

From: [Munro, Rosalind](#)
To: [PrimeSource Consulting](#); [Joe Roe](#); [Eldon Gath](#); [Philip Buchiarelli](#)
Cc: [Kevin Brogan](#); [Ronald W. Stamm](#); korbato@mindspring.com; MoriD@metro.net; elioff@pbworkd.com
Subject: RE: Electronic sharing of CPT data, further core comparison
Date: Friday, May 04, 2012 4:43:03 PM
Attachments: [T4-C1.csv](#)
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Hi Tim

Attached is the electronic CPT data for Transect 4. Please note there is no T4-CPT8. Metro has no record of a request for the data, otherwise we would have provided it sooner.

Thank you for your support in our sharing of information.

Roz

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From: PrimeSource Consulting [mailto:primesource@cox.net]
Sent: Thursday, May 03, 2012 12:21 PM
To: Munro, Rosalind; Joe Roe; Eldon Gath; Philip Buchiarelli
Cc: Kevin Brogan; Ronald W. Stamm ; korbatov@mindspring.com
Subject: Electronic sharing of CPT data, further core comparison

Rosalind and Joe – the BHUSD is interested in a completely full exchange of information between all parties. We think that the facts speak for themselves and speak most clearly when subject to open review and scrutiny. As a public agency, we also despise wasting precious time and treasure duplicating the efforts of others. We will cheerfully provide you all of our CPT data in electronic format – if Metro will simply respond in kind. We think that Metro’s earlier refusal to provide electronic copies of the CPT data is silly and counterproductive and we are loathe to follow suit. Please discuss this with Metro and see if you can get permission to allow everyone to do their jobs the most effective way possible.

Thanks to everyone for the good cooperation in comparing the Leighton cores on campus this week. It is my impression that there is an interest in cross-comparing selected Leighton and AMEC cores from Transect 4. The BHUSD is open to this comparison and will authorize our staff to participate accordingly. Please work out the logistics between yourselves (obviously one set of cores must physically get moved to the other) and scheduling.

PrimeSource Consulting

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Depth (m)	Sleeve (tsf)	Tip(unc) (tsf)	Tip(cor) (tsf)	F. Ratio (%)	U (psi)
0.05	0	12.3	12.3	0	0.39
0.1	0.04	7.1	7	0.64	-0.29
0.15	0.02	7.5	7.5	0.22	-0.23
0.2	0.03	7.9	7.9	0.43	0.07
0.25	0.07	6.9	6.9	1.01	-0.13
0.3	0.04	7	7	0.59	-0.19
0.35	0.08	7.5	7.5	1.06	0.14
0.4	0.15	7.6	7.6	1.92	-0.12
0.45	0.21	12.8	12.8	1.68	0.1
0.5	0.32	19.7	19.7	1.61	0.16
0.55	0.38	18.2	18.2	2.1	0.09
0.6	0.32	15.7	15.7	2.03	0.08
0.65	0.28	12.7	12.7	2.22	1.56
0.7	0.32	12.8	12.8	2.48	0.11
0.75	0.24	13.1	13.1	1.8	-0.25
0.8	0.28	12.5	12.5	2.2	0.33
0.85	0.19	11.3	11.3	1.71	-0.19
0.9	0.29	9.8	9.8	2.93	-0.03
0.95	0.13	9.5	9.5	1.38	-0.28
1	0.2	7.1	7.1	2.79	-0.18
1.05	0.17	9.5	9.5	1.78	-0.34
1.1	0.19	10.1	10.1	1.84	0.17
1.15	0.15	8.6	8.6	1.73	-0.17
1.2	0.06	7	7	0.83	-0.23
1.25	0.11	8.8	8.8	1.24	0.17
1.3	0.18	9.9	9.9	1.84	-0.01
1.35	0.21	9.6	9.6	2.18	-0.06
1.4	0.12	8.7	8.7	1.36	0.16
1.45	0.09	7.7	7.7	1.21	-0.41
1.5	0.13	9.8	9.8	1.35	-0.27
1.55	0.21	9.7	9.7	2.18	-0.2
1.6	0.21	10.9	10.9	1.92	-0.18
1.65	0.32	11.6	11.6	2.78	0.05
1.7	0.57	12.9	12.9	4.44	0.13
1.75	1.18	19.6	19.6	5.99	0.38
1.8	1.73	35.6	35.6	4.85	1.15
1.85	2.19	47.6	47.7	4.6	6.98
1.9	2.55	48.4	48.5	5.25	9.75
1.95	2.54	51.2	51.3	4.94	10.78
2	2.47	50.2	50.4	4.89	11.36
2.05	2.15	48.5	48.6	4.43	11.85
2.1	2.17	45.7	45.9	4.73	12.19
2.15	2.11	41.2	41.4	5.1	14.45
2.2	1.91	40.8	41	4.66	13.98

2.25	1.86	39.4	39.6	4.7	13.94
2.3	2.03	36.3	36.5	5.57	12.45
2.35	1.89	33.3	33.5	5.65	11.77
2.4	1.64	35.7	35.9	4.58	13
2.45	1.39	35.5	35.7	3.9	13.52
2.5	1.15	31.3	31.5	3.65	14.31
2.55	1.06	28.1	28.3	3.73	14.46
2.6	1.25	31.4	31.6	3.93	15.3
2.65	1.31	58.7	58.9	2.22	16.29
2.7	1.43	74.4	74.6	1.92	11.92
2.75	1.44	51	51.1	2.82	8.04
2.8	1.11	34.2	34.3	3.23	8.39
2.85	1.21	26.3	26.5	4.57	13.15
2.9	1.18	33.7	33.9	3.49	15.26
2.95	1.16	48.9	49.1	2.36	13.97
3	1.34	59.1	59.3	2.25	11.3
3.05	1.29	43.1	43.3	2.98	8.5
3.1	1.1	28	28.1	3.92	8.29
3.15	0.93	23.4	23.5	3.94	9.01
3.2	0.75	23	23.1	3.25	9.03
3.25	0.66	21.3	21.4	3.07	8.95
3.3	0.64	22.7	22.9	2.79	9.52
3.35	0.69	24.3	24.5	2.84	9.48
3.4	0.68	24.1	24.2	2.81	9.66
3.45	0.78	27.2	27.3	2.86	9.97
3.5	1.17	34.5	34.6	3.38	10.69
3.55	1.5	50.2	50.4	2.97	14.04
3.6	2.05	56.9	57.2	3.59	20.13
3.65	2.36	70.1	70.2	3.37	12.32
3.7	2.32	56.2	56.4	4.12	11.78
3.75	1.92	42.2	42.4	4.53	12.39
3.8	1.69	38.5	38.7	4.37	16.56
3.85	1.51	33.8	34	4.46	12.6
3.9	1.12	25.5	25.7	4.35	11.56
3.95	0.88	20.5	20.7	4.26	12.91
4	0.74	19.3	19.5	3.79	14.38
4.05	0.66	21.5	21.8	3.03	16.35
4.1	0.69	24.8	25.1	2.77	18.27
4.15	1.02	35	35.3	2.88	23.07
4.2	1.62	50.2	50.6	3.21	29.5
4.25	2.38	60.3	60.8	3.92	34.34
4.3	2.82	63.5	64.1	4.41	39.09
4.35	3.03	62.2	62.8	4.82	46.22
4.4	3.18	57.6	58.4	5.45	51
4.45	2.85	58.8	59.7	4.78	58.71
4.5	2.6	62.8	63.9	4.07	76.8
4.55	2.54	68.1	69.4	3.66	96

4.6	2.92	70.7	71.9	4.06	85.66
4.65	3.16	68.8	69.8	4.52	73.17
4.7	3.1	69	69.8	4.44	63.23
4.75	2.87	63.8	64.6	4.44	58
4.8	2.65	62.1	63.1	4.21	70.87
4.85	2.73	62.6	63.6	4.29	74.39
4.9	2.68	61	61.8	4.34	54.04
4.95	2.59	57.8	58.6	4.41	60.48
5	2.39	58	59.1	4.05	76.11
5.05	2.57	59.7	60.6	4.24	58.86
5.1	3.04	60.2	60.7	5	42.2
5.15	3.53	64.9	65.5	5.4	38.76
5.2	3.97	68.8	69.3	5.73	35.59
5.25	4.09	71	71.5	5.72	30.52
5.3	4.08	69.9	70.2	5.8	28.04
5.35	3.85	68.8	69.2	5.56	28.49
5.4	3.71	70.7	71.2	5.21	32.84
5.45	3.71	73.9	74.3	5	34.56
5.5	3.67	74.5	75	4.9	36.51
5.55	3.54	66.1	66.6	5.32	36.09
5.6	3.14	59.8	60.3	5.21	36.56
5.65	2.95	61.7	62.5	4.71	58.88
5.7	2.7	66.4	67.2	4.01	63.89
5.75	2.63	65.2	66.1	3.98	69.42
5.8	2.69	63.6	64.6	4.16	73.01
5.85	2.99	63.4	64.3	4.65	64.84
5.9	3.18	63.1	63.7	5	43.18
5.95	3.07	60.2	60.6	5.06	33.11
6	2.99	57.7	58.2	5.14	39.25
6.05	3.15	62.8	63.3	4.98	34.93
6.1	3.39	67.5	67.8	5	26.53
6.15	3.62	67.2	67.6	5.36	24.94
6.2	3.53	61.8	62.1	5.69	20.86
6.25	3.39	56.1	56.4	6.01	21.47
6.3	3.06	53.6	54	5.67	24.67
6.35	2.95	54	54.3	5.43	26.64
6.4	3.02	55.9	56.2	5.38	23.61
6.45	3.23	57.9	58.2	5.55	26
6.5	3.25	56.3	56.7	5.73	28.08
6.55	3.09	57.4	57.9	5.34	33.81
6.6	2.96	57.8	58.3	5.08	35.98
6.65	3.05	62.4	63	4.84	42.4
6.7	2.93	64.4	65.1	4.5	45.96
6.75	2.84	64.1	64.8	4.39	54.78
6.8	2.91	65.9	66.7	4.35	57.54
6.85	3.12	67	67.7	4.61	57.17
6.9	3.28	68.7	69.4	4.72	48.94

6.95	3.4	65.8	66.6	5.11	57.08
7	3.19	63.7	64.7	4.93	66.26
7.05	3.13	63.9	64.7	4.83	60.64
7.1	3.27	67.1	68	4.81	60.07
7.15	3.57	70.1	70.9	5.04	56.49
7.2	3.76	69.3	70	5.38	52.24
7.25	3.57	63.9	64.6	5.52	55.64
7.3	3.41	62.6	63.6	5.37	69.57
7.35	3.27	68.1	69.2	4.73	75.31
7.4	3.48	68.4	69.2	5.03	57.21
7.45	3.65	60.9	61.7	5.91	55.15
7.5	3.4	57.1	57.6	5.9	40.48
7.55	3.3	48.4	48.9	6.75	38.7
7.6	2.95	47.1	47.6	6.2	34.81
7.65	2.95	48.6	49.2	6	40.17
7.7	3.03	49.9	50.5	6	46.11
7.75	3.07	55.5	56.2	5.46	48.08
7.8	3.31	61.2	62	5.34	55.51
7.85	3.67	67.1	68	5.4	63.13
7.9	4.01	74.8	75.6	5.31	58.78
7.95	4.52	75.4	76.3	5.93	65.49
8	4.44	71.7	72.6	6.12	60.99
8.05	4.47	69.3	70.1	6.38	60.6
8.1	4.3	68.4	69.5	6.18	73.1
8.15	4.34	72.4	73.3	5.92	62.65
8.2	4.29	65.9	66.6	6.44	56.34
8.25	4.08	66.6	67.5	6.03	66.72
8.3	3.35	58.6	59.6	5.62	67.29
8.35	3.16	53.4	54.4	5.81	69.41
8.4	2.83	50.8	51.9	5.45	81.42
8.45	2.56	53.1	54.2	4.73	79.33
8.5	2.57	51.3	52.4	4.91	79.89
8.55	2.45	47.6	48.7	5.02	78.8
8.6	2.33	51	52.2	4.46	87.53
8.65	2.47	54	55.1	4.48	79
8.7	2.5	53.3	54.5	4.59	84.89
8.75	2.5	57.6	58.9	4.24	92.38
8.8	2.44	60.1	61.3	3.98	83.6
8.85	2.5	57.7	59.1	4.24	94.2
8.9	2.53	59	60.3	4.19	92.37
8.95	2.57	60.4	61.7	4.16	94.17
9	2.86	66.2	67.5	4.24	95.19
9.05	3.15	71.6	73.2	4.3	109.45
9.1	3.62	114.7	116.3	3.11	117.27
9.15	4.15	201.9	202.8	2.05	65.37
9.2	5.49	276.2	276.9	1.98	49.65
9.25	6.53	318.1	318.7	2.05	44.13

9.3	6.57	318.8	319.3	2.06	38.22
9.35	6.58	309.9	310.3	2.12	26.26
9.4	5.76	321.3	321.4	1.79	12.56
9.45	5.43	320.6	320.7	1.69	10.92
9.5	4.65	312.1	312.2	1.49	7.45
9.55	3.78	302.2	302.3	1.25	5.99
9.6	3.36	298.8	298.9	1.13	3.96
9.65	3.31	304.6	304.6	1.09	3.39
9.7	3.71	317.2	317.2	1.17	3.53
9.75	3.96	347.4	347.5	1.14	4.63
9.8	4.72	378.7	378.8	1.25	3.58
9.85	4.97	392.8	392.9	1.27	3.82
9.9	5	359.8	359.8	1.39	5.36
9.95	4.77	374.1	374.2	1.27	7.52
10	4.67	362.4	362.5	1.29	7.82
10.05	4.7	350.3	350.4	1.34	7.25
10.1	4.69	342.1	342.2	1.37	7.42
10.15	4.38	333.6	333.7	1.31	6.46
10.2	4.25	320.3	320.4	1.33	7.26
10.25	4.22	321.1	321.2	1.31	7.37
10.3	4.03	322.6	322.7	1.25	7.49
10.35	4.05	320.2	320.3	1.26	11.32
10.4	3.89	320.9	321.1	1.21	10.14
10.45	4.01	331.5	331.7	1.21	10.62
10.5	3.99	314.7	314.8	1.27	10.57
10.55	3.97	324.1	324.3	1.22	10.19
10.6	3.97	338	338.1	1.17	11.45
10.65	4.06	339.4	339.6	1.2	11.73
10.7	3.72	324.6	324.8	1.14	11.07
10.75	3.64	303	303.1	1.2	9.95
10.8	4.09	253	253.1	1.62	8.38
10.85	4.85	153.7	153.8	3.15	7.09
10.9	5.21	103.3	103.5	5.04	8.08
10.95	5.26	86.9	87.1	6.04	15.53
11	4.41	63.4	63.6	6.92	16.06
11.05	2.94	49.2	49.4	5.96	18.49
11.1	1.82	43.1	43.4	4.2	21.89
11.15	1.65	42.1	42.5	3.88	24.87
11.2	1.73	45	45.3	3.82	23.09
11.25	1.67	43.5	43.8	3.82	22.84
11.3	1.45	40.5	40.9	3.55	25.23
11.35	0.69	36.9	37.3	1.86	26.56
11.4	0.99	35.8	36.2	2.73	27
11.45	0.98	28.4	28.7	3.39	26.32
11.5	0.98	35.9	36.3	2.69	28.08
11.55	0.97	34.6	35	2.77	28.35
11.6	0.96	34.5	34.9	2.77	28.84

11.65	1.05	39.3	39.7	2.64	29.65
11.7	1.29	49.1	49.5	2.61	32.23
11.75	1.23	42	42.4	2.91	30.32
11.8	1.16	34.8	35.2	3.3	29.92
11.85	1.05	34.7	35.2	2.99	31.88
11.9	0.98	33.7	34.1	2.87	32.27
11.95	0.99	33.6	34.1	2.91	32.4
12	1	35	35.4	2.83	32.4
12.05	1.08	37.1	37.5	2.87	32.56
12.1	1.14	36.7	37.1	3.07	32.25
12.15	1.35	39.3	39.8	3.4	33.12
12.2	1.77	58	58.5	3.03	35.82
12.25	1.94	65.9	66.4	2.92	34.65
12.3	3.1	85.5	86.2	3.59	47.57
12.35	4.27	134.7	135.6	3.15	58.59
12.4	4.22	196.4	197	2.14	40.24
12.45	5.41	217.3	217.7	2.49	24.47
12.5	5.68	151.1	151.4	3.75	14.86
12.55	4.99	91.7	92	5.43	18.58
12.6	3.89	71.7	72.1	5.4	33.42
12.65	2.63	54	54.4	4.84	27.54
12.7	1.91	47	47.4	4.03	29.2
12.75	1.5	50.4	50.8	2.95	30.07
12.8	1.5	52.9	53.3	2.82	32.72
12.85	1.38	42	42.4	3.25	31.74
12.9	1.4	37.6	38	3.68	30.11
12.95	1.35	38.9	39.3	3.43	29.21
13	1.42	42	42.4	3.36	29.29
13.05	1.57	45.8	46.2	3.4	30.62
13.1	2.37	60.4	60.8	3.9	28.62
13.15	2.47	79.6	80.1	3.09	34.04
13.2	3.64	78.2	78.7	4.63	33.61
13.25	4.61	103	103.7	4.44	51.01
13.3	5.37	132.5	133.1	4.04	39.58
13.35	5.8	97.7	98.2	5.91	36.19
13.4	5.17	214.5	215.5	2.4	75.16
13.45	3.92	354.7	355	1.1	23
13.5	3.96	389.7	389.9	1.02	16.62
13.55	3.74	411	411.2	0.91	10.8
13.6	4.19	420.6	420.7	1	10.8
13.65	4.93	402.7	402.9	1.22	11.28
13.7	5.23	373.8	374	1.4	11.68
13.75	5.3	356.6	356.7	1.49	10.65
13.8	5.03	341.3	341.4	1.47	10.12
13.85	5.09	347.2	347.3	1.47	10.83
13.9	5.66	347.6	347.8	1.63	11.89
13.95	6.09	344.1	344.2	1.77	11.06

14	6.17	345.6	345.7	1.79	12.8
14.05	5.78	316.6	316.8	1.83	11.89
14.1	5.54	283.1	283.2	1.95	11.72
14.15	6.09	238.5	238.7	2.55	13.52
14.2	6.33	186.8	187	3.38	10.81
14.25	5.58	130	130.4	4.28	25.65
14.3	5.53	176.3	176.8	3.13	34.07
14.35	4.42	162.5	162.7	2.72	15.76
14.4	4.01	106.8	107	3.74	14.3
14.45	3.45	78.6	78.8	4.38	17.03
14.5	2.72	51.1	51.3	5.3	19.05
14.55	1.67	36.5	36.8	4.52	23.17
14.6	1.07	32.3	32.6	3.29	25.83
14.65	0.91	31.2	31.6	2.89	27.1
14.7	1.26	33.8	34.2	3.67	28.52
14.75	1.58	43.7	44.1	3.58	27.59
14.8	1.73	61.3	61.7	2.81	24.96
14.85	1.68	47	47.3	3.55	22.25
14.9	2.42	45.8	46.3	5.22	29.65
14.95	3.79	65	65.5	5.78	36.34
15	4.64	128.3	129.1	3.59	57
15.05	4.58	240.6	241.5	1.9	61.28
15.1	4.54	359	359.4	1.26	30.38
15.15	5.65	383.5	383.8	1.47	21.28
15.2	6.7	289.9	290.2	2.31	20.21
15.25	7.63	176.9	177.2	4.3	26.56
15.3	7	180.1	180.8	3.88	48.59
15.35	7.82	266.8	267.8	2.92	70.73
15.4	9.05	358.1	359	2.52	62.8
15.45	8.82	425.6	425.9	2.07	23.29
15.5	7.84	479.5	479.6	1.63	8.46
15.55	6.41	494.1	494.1	1.3	1.74
15.6	6.84	522.4	522.3	1.31	-1.61
15.65	6.74	499.9	499.8	1.35	-3.09
15.7	4.95	418.6	418.5	1.18	-4.69
15.75	4.96	252	251.9	1.97	-6.09
15.8	4.42	129.1	129	3.43	-6.39
15.85	3.55	74.4	74.3	4.78	-6.24
15.9	2.05	54.7	54.7	3.76	-5.36
15.95	1.27	53.3	53.3	2.39	-5.26
16	1.11	54.8	54.7	2.04	-5.22
16.05	1.07	54.2	54.2	1.97	-5.14
16.1	1.02	54.3	54.2	1.88	-5.15
16.15	1.02	54.6	54.5	1.87	-4.9
16.2	1.07	55.3	55.2	1.94	-4.93
16.25	1.13	57.4	57.3	1.97	-4.82
16.3	1.15	59.2	59.1	1.95	-4.58

16.35	1.25	62	61.9	2.02	-4.28
16.4	2.17	64.5	64.4	3.37	-4.09
16.45	4.8	89.8	89.7	5.34	-4.02
16.5	7.73	185.9	185.8	4.16	-3.62
16.55	9.2	254.2	254.1	3.62	-2.8
16.6	8.72	239.4	239.3	3.64	-3.69
16.65	5.33	141.9	141.8	3.76	-3.39
16.7	3.32	71.1	71.1	4.67	-1.89
16.75	2.66	54.9	54.9	4.85	-1.87
16.8	2.78	65.3	65.3	4.26	-1.08
16.85	3.43	93.3	93.3	3.68	-0.84
16.9	4.15	229.7	229.7	1.8	-0.53
16.95	4.95	244	244	2.03	-2.04
17	4.29	144.6	144.6	2.97	-2.47
17.05	3.4	75.6	75.5	4.51	-2.22
17.1	2.11	52.8	52.8	4.01	-1.8
17.15	1.15	47.4	47.3	2.43	-2.03
17.2	0.94	47.3	47.3	1.99	-1.65
17.25	0.89	47.5	47.5	1.87	-1.25
17.3	0.88	47.5	47.5	1.85	-1.69
17.35	0.89	48.1	48.1	1.85	-1.62
17.4	0.9	49.7	49.7	1.81	-1.56
17.45	0.92	51.2	51.2	1.8	-1.39
17.5	1.07	52.1	52.1	2.05	-1.45
17.55	1.82	53	53	3.44	-1.51
17.6	2.08	53.8	53.8	3.87	-1.28
17.65	2.38	52.9	52.9	4.5	-0.75
17.7	2.19	87.5	87.5	2.5	-0.48
17.75	1.67	56.7	56.7	2.95	-1.27
17.8	1.61	39.4	39.4	4.09	-0.32
17.85	1.03	38.6	38.6	2.65	-0.2
17.9	1.06	38.2	38.2	2.77	-0.03
17.95	1.01	35.2	35.2	2.87	-0.38
18	1.03	37.1	37.1	2.79	-0.01
18.05	0.98	36	36	2.73	-0.11
18.1	1	36.8	36.8	2.72	-0.15
18.15	1.08	39.3	39.3	2.75	0.25
18.2	1.18	40.7	40.7	2.91	-0.06
18.25	1.29	42.6	42.6	3.03	-0.05
18.3	1.37	45.3	45.3	3.03	0.16
18.35	1.43	46.1	46.1	3.1	-0.08
18.4	1.44	45.7	45.7	3.16	0.12
18.45	1.49	45.7	45.7	3.27	0.18
18.5	1.44	47.8	47.8	3.02	0.48
18.55	1.47	49.2	49.2	2.99	0.82
18.6	1.69	56.8	56.8	2.98	0.59
18.65	1.53	58.5	58.5	2.62	0.5

18.7	1.51	52.7	52.7	2.86	0.63
18.75	1.49	51.3	51.3	2.91	0.84
18.8	1.5	53.3	53.3	2.81	0.86
18.85	1.69	55.7	55.7	3.03	0.81
18.9	1.89	59.8	59.8	3.16	1.05
18.95	2.04	62.8	62.8	3.24	1.1
19	2.16	59.2	59.2	3.65	1.15
19.05	2.07	58.3	58.3	3.56	1.1
19.1	2.14	60.8	60.8	3.52	1.52
19.15	2.04	62.7	62.7	3.25	1.4
19.2	2.14	62.6	62.7	3.42	1.63
19.25	2.19	65	65	3.37	1.54
19.3	2.34	64.8	64.8	3.6	1.86
19.35	2.36	63.8	63.9	3.7	1.68
19.4	2.41	62.4	62.5	3.86	1.92
19.45	2.22	60.8	60.8	3.64	1.78
19.5	2.24	60.5	60.5	3.7	2.17
19.55	2.19	59.1	59.2	3.69	2.08
19.6	2.32	60.2	60.2	3.86	2.11
19.65	2.44	60	60	4.07	2.14
19.7	2.41	60	60	4.01	2.01
19.75	2.42	58.9	58.9	4.1	2.38
19.8	2.15	59.9	59.9	3.58	2.61
19.85	1.98	60.2	60.2	3.29	2.49
19.9	2.03	61.8	61.8	3.29	2.62
19.95	2.21	66.2	66.2	3.33	2.87
20	2.4	67.9	67.9	3.53	2.59
20.05	2.7	66.8	66.8	4.04	2.79
20.1	2.78	71.5	71.6	3.88	2.8
20.15	2.86	74.1	74.2	3.86	3.02
20.2	2.85	71.3	71.4	3.99	3.62
20.25	2.75	73.5	73.5	3.73	3.92
20.3	2.68	74.8	74.8	3.58	3.68
20.35	2.8	74.4	74.4	3.77	3.68
20.4	3.12	76.5	76.5	4.07	4.13
20.45	3.71	80	80.1	4.63	4.11
20.5	5.59	96.1	96.1	5.81	4.6
20.55	6.09	116.4	116.5	5.23	3.22
20.6	5.91	89.1	89.1	6.63	4.31
20.65	4.53	85.5	85.5	5.3	5.49
20.7	3.94	85.8	85.9	4.58	6.09
20.75	4.21	90.1	90.2	4.67	6.2
20.8	5.23	128.8	128.9	4.06	6.53
20.85	5.87	119.9	120	4.89	5.83
20.9	7.03	116.2	116.3	6.05	7.22
20.95	6.21	108.1	108.2	5.74	5.91
21	5.46	89.6	89.7	6.09	7.23

21.05	3.84	81.1	81.2	4.72	7.6
21.1	2.64	77.6	77.7	3.4	7.38
21.15	2.43	60	60.1	4.05	7.36
21.2	2.33	51.5	51.6	4.5	8.01
21.25	1.99	61.9	62.1	3.21	7.7
21.3	2.04	60.3	60.4	3.38	8.14
21.35	2.2	60.5	60.6	3.64	8.24
21.4	2.19	61.8	61.9	3.54	7.96
21.45	2.2	61.3	61.4	3.59	7.99
21.5	2.11	64.9	65.1	3.25	8.34
21.55	2.48	70.1	70.2	3.54	8.41
21.6	3.09	78.6	78.7	3.93	8.64
21.65	3.65	82.1	82.2	4.44	8.65
21.7	3.74	79.1	79.2	4.73	8.65
21.75	3.26	75.7	75.8	4.3	8.8
21.8	3.13	75.2	75.3	4.15	8.96
21.85	3.16	73.6	73.7	4.28	8.98
21.9	3.35	79.3	79.4	4.21	9.47
21.95	3.37	79.8	80	4.21	9.54
22	3.71	80.6	80.7	4.6	9.58
22.05	3.27	83.7	83.9	3.9	9.31
22.1	3.82	82.2	82.4	4.63	9.82
22.15	4.04	65.4	65.5	6.16	9.37
22.2	3.95	73.9	74	5.33	10.49
22.25	3.54	71.2	71.3	4.97	9.86
22.3	3.26	68.8	68.9	4.73	10.18
22.35	3	66.6	66.7	4.5	10.6
22.4	2.83	64.5	64.6	4.38	10.33
22.45	2.65	62.8	62.9	4.21	10.02
22.5	2.61	64.4	64.5	4.05	10.22
22.55	2.57	66.4	66.5	3.87	10.43
22.6	2.68	67.3	67.4	3.98	10.26
22.65	2.69	68.8	69	3.9	10.26
22.7	2.76	69.3	69.5	3.97	10.5
22.75	2.61	67.6	67.8	3.86	10.39
22.8	2.65	73.1	73.2	3.62	11.15
22.85	0	78.1	78.2	0	10.94
22.9	0	81.8	81.9	0	10.5

Depth (m)	Sleeve (tsf)	Tip(unc) (tsf)	Tip(cor) (tsf)	F. Ratio (%)	U (psi)
0.05	0	6.2	6.2	0	0.47
0.1	0.03	10.3	10.3	0.31	0.56
0.15	0.03	10.3	10.3	0.25	0.78
0.2	0.02	9.4	9.4	0.2	0.74
0.25	0.04	10.6	10.6	0.34	0.75
0.3	0.02	10.4	10.4	0.16	0.58
0.35	0.03	9.9	9.9	0.26	1.06
0.4	0.04	7.9	7.9	0.47	0.42
0.45	0.02	9.3	9.3	0.2	0.55
0.5	0.03	9.1	9.1	0.29	0.87
0.55	0.02	7.1	7.1	0.27	0.38
0.6	0.03	7.2	7.2	0.37	0.54
0.65	0.03	8	8	0.37	0.61
0.7	0.04	8.5	8.5	0.46	0.63
0.75	0.02	5.8	5.8	0.29	0.5
0.8	0.02	5.7	5.7	0.36	0.65
0.85	0.03	4.4	4.5	0.72	0.11
0.9	0.03	5	5	0.6	0.11
0.95	0.02	7.7	7.7	0.27	0.59
1	0.02	9.2	9.2	0.26	0.67
1.05	0.01	7.7	7.7	0.16	0.29
1.1	0.03	6.8	6.8	0.42	0.45
1.15	0.04	5.3	5.3	0.75	0.14
1.2	0.02	5.4	5.4	0.41	0.72
1.25	0.03	5.7	5.7	0.51	0.92
1.3	0.03	6.1	6.1	0.42	0.45
1.35	0.01	6.9	6.9	0.19	0.72
1.4	0.04	6.1	6.1	0.58	0.44
1.45	0.02	15	15	0.11	-0.1
1.5	0.02	22.4	22.4	0.1	0.27
1.55	0.03	23	23	0.14	0.19
1.6	0.03	21	21	0.13	0.53
1.65	0.16	20.3	20.3	0.8	0.64
1.7	1	24.1	24.1	4.13	0.55
1.75	1.94	38.3	38.3	5.07	0.6
1.8	2.39	49.5	49.6	4.81	3.87
1.85	2.27	47	47.1	4.82	5.18
1.9	1.9	43.3	43.4	4.38	5.35
1.95	1.65	41.6	41.7	3.97	6.04
2	1.48	37.2	37.2	3.97	5.44
2.05	1.4	35.8	35.9	3.89	5.62
2.1	1.54	37.4	37.5	4.11	5.54
2.15	1.54	60.7	60.8	2.53	5.92
2.2	1.68	84.2	84.3	2	5.51

2.25	1.81	59.6	59.7	3.03	5.19
2.3	1.55	37.2	37.3	4.17	5.03
2.35	1.49	30.5	30.6	4.87	6.06
2.4	1.36	32.4	32.4	4.18	6.02
2.45	1.52	43	43.1	3.52	6.13
2.5	1.73	68.2	68.2	2.53	5.8
2.55	1.46	102.6	102.7	1.42	6.06
2.6	1.54	109.5	109.6	1.41	5.43
2.65	1.54	74.2	74.3	2.08	4.54
2.7	1.68	46.1	46.2	3.64	4.41
2.75	1.91	41	41.1	4.66	5.32
2.8	1.85	43	43	4.29	5.99
2.85	1.65	33.9	34	4.87	6.58
2.9	1.31	24.1	24.2	5.43	5.28
2.95	1.13	23	23	4.91	5.74
3	0.99	28.2	28.3	3.5	5.86
3.05	0.95	26.6	26.7	3.56	5.81
3.1	1.11	33.7	33.8	3.27	6
3.15	1.23	34.4	34.5	3.56	6.01
3.2	1.03	26.5	26.5	3.89	5.86
3.25	0.99	21.4	21.5	4.59	5.85
3.3	0.83	22	22.1	3.78	5.72
3.35	0.86	23.6	23.7	3.64	6.03
3.4	0.92	23.4	23.5	3.94	5.62
3.45	1.02	26.2	26.3	3.89	6.04
3.5	1.19	35.4	35.5	3.35	6.52
3.55	1.44	45.7	45.8	3.15	6.98
3.6	1.78	46.1	46.2	3.86	6.5
3.65	1.97	52.2	52.3	3.76	6.88
3.7	2.06	49.6	49.7	4.13	6.58
3.75	2.2	52.6	52.7	4.18	7.07
3.8	2	45.4	45.5	4.41	6.76
3.85	1.83	39.4	39.5	4.65	6.52
3.9	1.69	43.2	43.3	3.89	7.04
3.95	1.73	52.6	52.7	3.29	7.56
4	2.2	59.4	59.5	3.7	7.95
4.05	2.86	60.1	60.2	4.75	7.89
4.1	2.98	57.6	57.7	5.16	8.15
4.15	2.7	57.2	57.3	4.71	8.27
4.2	2.47	56.6	56.7	4.35	8.59
4.25	2.42	57	57.1	4.23	8.59
4.3	2.36	53.6	53.7	4.4	8.92
4.35	2.46	52.5	52.7	4.67	8.84
4.4	2.48	52.9	53	4.68	8.51
4.45	2.78	52	52.1	5.33	8.8
4.5	2.7	49.3	49.4	5.46	8.7
4.55	2.58	51.3	51.5	5.02	8.67

4.6	2.58	53.8	54	4.78	8.86
4.65	2.76	59.7	59.8	4.61	9.07
4.7	3.31	92.8	92.9	3.56	9.71
4.75	3.23	93.4	93.6	3.45	9.1
4.8	3.02	73.7	73.9	4.09	10.34
4.85	2.67	71.2	71.3	3.74	11.05
4.9	2.49	72	72.1	3.46	11.41
4.95	2.69	67.2	67.4	4	11.04
5	3.02	69.3	69.4	4.34	11.14
5.05	3.29	77.9	78.1	4.21	11.75
5.1	3.72	85.1	85.3	4.36	11.91
5.15	4.13	82.4	82.5	5.01	11.54
5.2	4.15	80.6	80.8	5.14	12.06
5.25	3.95	84.6	84.8	4.66	12.99
5.3	4.15	105.8	106	3.91	14.01
5.35	4.22	122.9	123	3.43	13.57
5.4	4.53	105.9	106.1	4.27	13.08
5.45	4.64	89.7	89.9	5.16	13.9
5.5	4.29	86.6	86.8	4.94	14.43
5.55	4.1	80	80.2	5.12	14.5
5.6	3.87	77.3	77.5	5	14.43
5.65	3.76	70	70.2	5.35	13.65
5.7	3.54	62.1	62.3	5.69	13.81
5.75	3.21	53.6	53.8	5.96	13.84
5.8	2.95	48.3	48.5	6.08	13.14
5.85	2.86	44.2	44.4	6.45	12.72
5.9	2.7	43.1	43.2	6.24	12.46
5.95	2.53	39	39.2	6.46	12.63
6	2.24	34	34.2	6.54	12.65
6.05	2.02	31.6	31.8	6.35	12.32
6.1	1.78	31.2	31.3	5.69	12.13
6.15	1.75	32.4	32.6	5.36	12.44
6.2	1.73	36.6	36.8	4.69	12.48
6.25	1.73	39.3	39.4	4.39	12.53
6.3	1.75	39.2	39.4	4.44	12.68
6.35	1.76	39.6	39.7	4.44	12.3
6.4	1.84	42.7	42.9	4.28	12.83
6.45	2.03	44.5	44.7	4.53	12.87
6.5	2.13	44.2	44.4	4.8	12.56
6.55	2.24	46.3	46.5	4.83	12.93
6.6	2.47	50.5	50.6	4.87	12.77
6.65	2.63	49.8	50	5.26	12.28
6.7	2.91	49.2	49.4	5.89	12.52
6.75	2.8	48.4	48.6	5.77	11.99
6.8	2.56	45.3	45.5	5.63	11.97
6.85	2.34	43.3	43.4	5.39	12.26
6.9	2.42	42.4	42.6	5.69	11.91

6.95	2.49	41.9	42.1	5.91	11.92
7	2.57	40.5	40.7	6.32	12.21
7.05	2.33	37.1	37.3	6.25	12.14
7.1	2.08	37.3	37.5	5.56	12.85
7.15	2.07	36.4	36.6	5.66	12.71
7.2	2.28	39.3	39.5	5.78	12.33
7.25	2.48	39.4	39.6	6.27	11.84
7.3	2.38	38.3	38.5	6.19	12.42
7.35	2.17	35.7	35.8	6.05	12.55
7.4	1.98	33.3	33.5	5.92	12.52
7.45	1.97	31.3	31.5	6.26	12.15
7.5	1.95	35.2	35.4	5.52	12.35
7.55	2.22	47.8	48	4.62	12.52
7.6	1.86	45.7	45.9	4.06	11.71
7.65	1.6	30.7	30.8	5.18	11.98
7.7	1.27	28.4	28.6	4.43	12.78
7.75	1.21	29.9	30.1	4.02	12.25
7.8	1.29	33.5	33.7	3.84	12.7
7.85	1.45	34.1	34.3	4.24	12.22
7.9	1.61	37.6	37.7	4.28	12.24
7.95	1.79	37.4	37.6	4.76	12.73
8	1.86	35.6	35.7	5.2	12.42
8.05	1.75	33.8	34	5.15	12.17
8.1	1.6	33.3	33.5	4.77	12.48
8.15	1.52	35.7	35.9	4.24	12.82
8.2	1.65	38.2	38.3	4.3	12.7
8.25	1.9	38.8	39	4.86	12.17
8.3	1.94	38.2	38.4	5.06	12.2
8.35	2.02	40.7	40.8	4.95	13.04
8.4	2.06	43.9	44	4.67	12.51
8.45	1.96	42.4	42.6	4.61	12.37
8.5	1.88	40.8	40.9	4.6	13.25
8.55	1.82	39.3	39.5	4.61	12.83
8.6	1.65	38.5	38.7	4.26	13.11
8.65	1.48	40.1	40.3	3.69	13.39
8.7	1.31	35.8	36	3.63	13.36
8.75	1.45	35.9	36.1	4.02	13.16
8.8	1.45	45.1	45.3	3.21	12.91
8.85	1.75	42.1	42.2	4.13	13.3
8.9	1.9	43.8	44	4.32	13.19
8.95	1.86	43.6	43.7	4.26	13.38
9	1.88	45	45.2	4.15	13.67
9.05	1.9	47.8	48	3.96	13.13
9.1	2.43	50.8	51	4.75	13.78
9.15	3.02	64.3	64.5	4.69	13.59
9.2	3.1	64.9	65.1	4.77	13.12
9.25	3.2	53.8	54	5.92	13.62

9.3	3.01	56.6	56.8	5.31	13.92
9.35	3.6	69.6	69.8	5.16	14.08
9.4	3.85	72.3	72.5	5.31	13.07
9.45	3.98	91.8	92	4.33	13.9
9.5	5.17	165.1	165.3	3.13	13.16
9.55	6.19	179.3	179.4	3.45	11.62
9.6	6.32	195.3	195.5	3.23	12.15
9.65	6.44	223.2	223.4	2.88	12.6
9.7	6.82	222.5	222.6	3.06	11.88
9.75	6.66	214.8	214.9	3.1	12.2
9.8	6.93	201.9	202.1	3.43	13.23
9.85	7.37	212	212.2	3.47	13.2
9.9	7.33	216.9	217.1	3.38	13.23
9.95	7.77	201.4	201.6	3.85	13.01
10	7.52	141.1	141.2	5.32	12.31
10.05	6.53	111.4	111.6	5.86	13.6
10.1	5.65	126.7	127	4.45	16.42
10.15	5.11	198	198.3	2.58	17.6
10.2	5.26	331.7	331.9	1.59	14.79
10.25	5.38	350.1	350.2	1.54	13.5
10.3	5.66	401.8	402	1.41	13.08
10.35	6.54	455.7	455.9	1.43	13.17
10.4	7.41	492.3	492.5	1.5	13.75
10.45	7.76	441.1	441.3	1.76	14.05
10.5	8.06	419.5	419.7	1.92	15.11
10.55	7.9	458	458.2	1.72	15.16
10.6	6.95	462.3	462.5	1.5	15.66
10.65	6.31	422.9	423.1	1.49	13.79
10.7	5.76	371.1	371.3	1.55	14.03
10.75	6.22	331.2	331.4	1.88	14.53
10.8	6.3	324.5	324.7	1.94	13.31
10.85	5.52	330.9	331.1	1.67	14.66
10.9	5.24	293	293.2	1.79	13.53
10.95	4.96	231.5	231.6	2.14	12.84
11	5	141.2	141.4	3.54	11.7
11.05	3.88	73.2	73.4	5.29	11.42
11.1	2.66	42.5	42.7	6.22	13.99
11.15	1.66	37.1	37.3	4.46	14.74
11.2	1.27	36.7	36.9	3.44	15.21
11.25	1.28	37.8	38.1	3.36	15.19
11.3	1.28	40.1	40.3	3.17	15.25
11.35	1.3	42.9	43.1	3.02	15.47
11.4	1.31	43.3	43.5	3.02	15.35
11.45	1.32	44.8	45	2.93	15.04
11.5	1.35	41	41.2	3.28	14.87
11.55	1.29	39.4	39.6	3.27	14.8
11.6	1.22	39.6	39.8	3.07	14.79

11.65	1.17	40.8	41	2.85	14.97
11.7	1.18	40	40.2	2.93	14.96
11.75	1.09	39.6	39.8	2.74	14.79
11.8	1.04	40	40.2	2.59	14.89
11.85	1	38.5	38.7	2.59	14.83
11.9	1.02	37.4	37.6	2.72	14.64
11.95	1.02	36.1	36.3	2.8	14.52
12	1	36.2	36.4	2.74	14.68
12.05	1.05	36.6	36.8	2.84	14.35
12.1	1.07	37.4	37.6	2.84	14.38
12.15	1.22	37.4	37.6	3.23	14.41
12.2	1.6	41.9	42.1	3.81	14.32
12.25	2.57	58.7	58.9	4.37	14.52
12.3	3.25	80.3	80.5	4.04	14.49
12.35	2.91	57	57.2	5.09	14.53
12.4	2.25	35.8	36	6.25	14.9
12.45	1.45	32.7	33	4.4	15.1
12.5	1.21	32.4	32.6	3.7	15.15
12.55	1.24	30.2	30.4	4.09	16.11
12.6	1.23	31	31.2	3.94	15.6
12.65	1.22	31.3	31.5	3.89	15.54
12.7	1.24	32	32.3	3.86	16.12
12.75	1.3	32.3	32.5	3.99	15.88
12.8	1.36	32.9	33.2	4.11	15.97
12.85	1.54	40.6	40.9	3.78	16.35
12.9	1.79	39.7	39.9	4.48	15.88
12.95	1.83	42.5	42.7	4.29	15.79
13	1.92	43.5	43.7	4.4	16.84
13.05	2.07	52.5	52.8	3.92	17.1
13.1	2.03	55.3	55.6	3.66	17.57
13.15	2.08	55.3	55.6	3.74	17.97
13.2	1.96	53.4	53.6	3.66	18.13
13.25	1.71	52	52.3	3.26	17.93
13.3	1.61	44	44.3	3.64	17.79
13.35	1.59	39	39.2	4.05	17.23
13.4	1.64	44	44.2	3.7	17.68
13.45	1.6	50.5	50.7	3.16	17.65
13.5	1.61	45.9	46.2	3.49	17.23
13.55	1.67	40.6	40.8	4.09	17.7
13.6	1.6	40	40.3	3.96	17.45
13.65	1.52	38.9	39.2	3.87	17.61
13.7	1.48	37.8	38	3.88	17.75
13.75	1.67	39.1	39.4	4.25	17.78
13.8	2.52	55.8	56	4.49	18.48
13.85	3.37	83	83.3	4.04	18.34
13.9	3.47	82.1	82.4	4.21	17.57
13.95	3.92	107.6	107.9	3.63	21.32

14	4.94	190.6	190.8	2.59	17.65
14.05	3.85	96.2	96.4	4	14.48
14.1	3.55	52.3	52.6	6.75	17.94
14.15	3.02	76.6	76.9	3.93	19.98
14.2	3.09	151.5	151.8	2.04	20.06
14.25	4.11	166.7	167	2.46	17.34
14.3	4.35	132.2	132.5	3.28	15.75
14.35	3.35	72.9	73.1	4.58	16.36
14.4	2.49	48.7	49	5.08	17.66
14.45	2.42	43.9	44.2	5.47	18.44
14.5	2.48	46.6	46.8	5.3	19.25
14.55	3.33	109.7	110	3.03	21.91
14.6	4.15	215.8	216.1	1.92	19.19
14.65	4.63	293.6	293.9	1.57	18.2
14.7	4.88	366.8	367.1	1.33	18.53
14.75	6.07	454.2	454.5	1.34	18.58
14.8	7.69	476.8	477.1	1.61	19.13
14.85	8.68	455.4	455.7	1.91	20.56
14.9	8.15	445.3	445.6	1.83	21.66
14.95	7.48	449	449.3	1.67	20.28
15	7.27	388.8	389	1.87	18.92
15.05	6.89	335.2	335.4	2.06	18.59
15.1	5.93	287.2	287.5	2.06	19.24
15.15	5.23	208.3	208.5	2.51	16.87
15.2	4.32	121.5	121.7	3.55	14.78
15.25	3.06	65.6	65.8	4.65	16.25
15.3	2.28	43	43.3	5.27	18.99
15.35	1.43	39	39.3	3.63	20.17
15.4	1.19	38.9	39.2	3.03	20.33
15.45	1.12	39.1	39.4	2.84	20.64
15.5	1.06	40.9	41.1	2.58	20.73
15.55	1.2	41.7	42	2.87	20.79
15.6	1.29	43.9	44.2	2.92	20.98
15.65	2.18	47.6	47.9	4.54	21.78
15.7	3.45	77	77.3	4.46	22.83
15.75	5.35	115.2	115.5	4.63	26.17
15.8	7.36	180.6	181	4.07	25.48
15.85	7.96	149.7	150	5.3	22
15.9	6.39	89	89.3	7.16	22.98
15.95	5.67	79.5	79.9	7.1	27.8
16	5.82	190.3	190.8	3.05	31.78
16.05	8.39	258.1	258.5	3.24	28.73
16.1	9.37	260.6	261	3.59	27.32
16.15	7.71	217	217.4	3.55	30.39
16.2	7.95	279.8	280.3	2.84	40.48
16.25	7.65	238	238.4	3.21	29.5
16.3	5.37	122	122.4	4.39	26.54

16.35	4.1	71.8	72.3	5.68	29.83
16.4	3.5	57.6	58.1	6.03	35.91
16.45	4.67	79.3	79.8	5.85	40.01
16.5	6.52	154.2	154.8	4.21	41.32
16.55	7.31	190.7	191.4	3.82	44.42
16.6	8.42	289.7	290.3	2.9	43.2
16.65	9.09	296.9	297.3	3.06	28.33
16.7	9.31	184.3	184.7	5.04	31.11
16.75	8.69	201.5	202.2	4.3	46.65
16.8	6.78	177.9	178.5	3.8	39.84
16.85	5.18	87.4	87.8	5.9	30.34
16.9	2.91	60.6	61.1	4.77	33.74
16.95	2.15	60.3	60.8	3.53	36.19
17	4.3	71.2	71.8	5.99	43.84
17.05	5.7	204.2	204.9	2.78	52.23
17.1	8.26	334.1	334.8	2.47	48.47
17.15	11.56	350.8	351.4	3.29	41.98
17.2	7.94	301.7	302.3	2.63	43.21
17.25	8.11	308.2	309.1	2.62	64.44
17.3	8.85	388.5	389.7	2.27	87.49
17.35	8.84	406.9	407.5	2.17	43.58
17.4	8.56	378.4	379	2.26	40.11
17.45	9.18	296.8	297.3	3.09	32.8
17.5	8.63	242.7	243	3.55	26.05
17.55	8.11	246.9	247.1	3.28	14.79
17.6	5.58	144.1	144.3	3.87	10.68
17.65	5.1	79.3	79.4	6.42	10.73
17.7	4.8	82.4	82.6	5.81	12.74
17.75	3.35	60.5	60.7	5.52	12.92
17.8	2.43	35.6	35.8	6.78	13.27
17.85	1.18	33.7	33.9	3.48	14.16
17.9	0.78	35.4	35.6	2.18	14.59
17.95	0.9	36.8	37	2.42	14.67
18	1.11	37.1	37.3	2.98	15.23
18.05	1.55	41.2	41.4	3.76	15.77
18.1	2.03	55.3	55.6	3.66	15.78
18.15	1.94	54	54.2	3.58	16.28
18.2	2.06	52	52.3	3.95	17.38
18.25	1.84	46.3	46.5	3.96	16.6
18.3	1.57	39.8	40	3.92	16.99
18.35	1.25	35	35.3	3.55	16.73
18.4	1.36	34.9	35.1	3.89	16.84
18.45	1.78	52.6	52.9	3.37	17.14
18.5	1.55	52.1	52.3	2.96	15.64
18.55	1.67	44.5	44.8	3.73	17.01
18.6	1.3	45.4	45.7	2.86	17.29
18.65	1.11	41.2	41.4	2.67	16.93

18.7	1.14	37	37.3	3.06	16.88
18.75	1.09	36.1	36.3	3	17.04
18.8	1.12	39.3	39.6	2.83	17.07
18.85	1.04	39.3	39.5	2.64	17.14
18.9	1.12	36.1	36.4	3.09	16.72
18.95	1.17	36.9	37.1	3.15	17.02
19	1.13	38.7	39	2.89	16.94
19.05	1.26	39.6	39.9	3.15	16.84
19.1	1.39	40.8	41	3.39	16.85
19.15	1.44	43	43.2	3.33	17.12
19.2	1.6	45.1	45.4	3.52	16.88
19.25	1.8	47.4	47.6	3.78	17.12
19.3	1.82	47.8	48.1	3.79	17.02
19.35	1.77	50	50.2	3.52	17.22
19.4	1.74	51.8	52	3.35	17.43
19.45	1.7	54.6	54.8	3.1	17.45
19.5	1.83	54	54.2	3.37	17.81
19.55	1.89	55	55.2	3.43	17.99
19.6	1.96	53.1	53.3	3.67	18
19.65	1.93	51.9	52.1	3.7	18.2
19.7	1.83	51.1	51.4	3.56	18.21
19.75	1.84	51.6	51.8	3.56	18.22
19.8	1.83	51.9	52.2	3.51	17.99
19.85	1.99	53.3	53.6	3.71	18.1
19.9	2.08	53	53.2	3.91	17.73
19.95	2.07	52.3	52.5	3.95	18.14
20	2.09	52	52.3	4	18.34
20.05	1.96	51.6	51.9	3.77	18.38
20.1	2.03	55.7	55.9	3.64	18.81
20.15	2.14	57.4	57.7	3.71	18.63
20.2	2.41	56.8	57	4.22	18.91
20.25	2.57	59	59.2	4.34	18.86
20.3	2.55	58.7	58.9	4.33	19
20.35	2.45	56.6	56.8	4.32	19.11
20.4	2.31	55.7	56	4.12	19.12
20.45	2.28	57.1	57.4	3.98	19.26
20.5	2.29	57.5	57.8	3.97	19.29
20.55	2.25	56.6	56.9	3.95	19.34
20.6	2.25	56.6	56.9	3.95	19.66
20.65	2.28	57.3	57.6	3.95	19.66
20.7	2.24	58.9	59.2	3.78	19.61
20.75	2.41	61	61.3	3.94	20.07
20.8	2.48	63.9	64.2	3.87	19.81
20.85	2.67	65.7	66	4.05	20.31
20.9	2.88	69.4	69.7	4.13	20.58
20.95	3.87	81.7	82	4.72	20.86
21	5.98	152.9	153.2	3.9	20.12

21.05	6.97	138.8	139.1	5.01	19.21
21.1	6.91	101.9	102.2	6.76	20.04
21.15	5.52	80.1	80.4	6.87	21.28
21.2	3.64	74.9	75.3	4.83	22.09
21.25	2.88	71	71.4	4.04	22.5
21.3	3.25	82.7	83	3.91	23.33
21.35	4.75	142	142.4	3.34	23.76
21.4	5.76	126.2	126.5	4.55	21.92
21.45	5.77	102.8	103.1	5.59	21.93
21.5	4.69	76.2	76.5	6.13	24.02
21.55	3.64	71.7	72	5.05	24.17
21.6	3.42	78.3	78.6	4.35	24.05
21.65	3.27	72.5	72.8	4.5	24.16
21.7	2.93	66.3	66.6	4.4	24.24
21.75	2.49	62.5	62.8	3.97	24.82
21.8	2.16	60.9	61.2	3.53	25.21
21.85	2.28	58.1	58.4	3.9	25.27
21.9	2.31	58.3	58.7	3.94	25.4
21.95	2.25	59.3	59.6	3.78	25.68
22	2.1	60	60.3	3.48	25.64
22.05	2.13	64.8	65.1	3.28	26.16
22.1	2.21	72.3	72.7	3.05	26.49
22.15	2.32	76.4	76.8	3.02	26.88
22.2	2.63	79.1	79.4	3.31	27.2
22.25	2.83	79.4	79.8	3.55	27.38
22.3	3	76.8	77.2	3.89	27.06
22.35	2.99	74.5	74.9	3.99	27.24
22.4	2.99	71.5	71.9	4.17	27.55
22.45	2.92	68.2	68.6	4.25	27.29
22.5	2.84	66.5	66.9	4.24	27.39
22.55	2.71	68.5	68.9	3.93	27.31
22.6	2.53	67.5	67.8	3.72	27.46
22.65	2.5	68	68.4	3.66	27.53
22.7	2.47	69	69.4	3.56	27.7
22.75	2.51	68.6	69	3.63	27.79
22.8	2.6	67.3	67.7	3.84	27.99
22.85	2.64	65.1	65.4	4.03	27.59
22.9	0	63.8	64.2	0	27.74

Depth (m)	Sleeve (tsf)	Tip(unc) (tsf)	Tip(cor) (tsf)	F. Ratio (%)	U (psi)
0.05	0	0.3	0.3	0	-0.2
0.1	0.03	5.4	5.4	0.52	-0.08
0.15	0.03	3.1	3.1	0.86	0.09
0.2	0.03	3.8	3.8	0.91	-0.07
0.25	0.03	3.5	3.5	0.98	0.15
0.3	0.03	3.8	3.8	0.67	0.3
0.35	0.03	5.6	5.6	0.58	0.14
0.4	0.03	4.4	4.4	0.72	0.3
0.45	0.04	5.4	5.4	0.7	1.53
0.5	0.02	7	7	0.31	1.95
0.55	0.04	8.2	8.2	0.51	1.94
0.6	0.03	10.3	10.4	0.32	1.63
0.65	0.02	10.7	10.8	0.23	1.99
0.7	0.03	8.6	8.6	0.38	1.69
0.75	0.03	7.1	7.1	0.36	1.66
0.8	0.02	6.8	6.9	0.28	1.73
0.85	0.02	5.2	5.2	0.4	1.53
0.9	0.03	4.4	4.4	0.71	1.2
0.95	0.03	4.3	4.3	0.71	1.19
1	0.03	4.7	4.7	0.58	1.24
1.05	0.03	5.4	5.5	0.54	1.39
1.1	0.03	5.8	5.8	0.51	1.33
1.15	0.04	6.1	6.2	0.6	1.23
1.2	0.03	5.8	5.8	0.53	1.29
1.25	0.03	5.4	5.4	0.61	1.44
1.3	0.03	4.1	4.2	0.69	1.37
1.35	0.04	3.8	3.8	1.09	1.39
1.4	0.03	5.3	5.3	0.56	1.41
1.45	0.03	14.8	14.8	0.18	1.43
1.5	0.03	15.5	15.5	0.2	1.16
1.55	0.05	13.6	13.6	0.38	1.19
1.6	0.05	12.6	12.6	0.4	1.47
1.65	0.05	11.3	11.3	0.46	1.32
1.7	0.05	10.9	10.9	0.46	1.41
1.75	0.06	11.8	11.8	0.47	1.64
1.8	0.59	14.6	14.6	4.04	1.32
1.85	1.23	33.5	33.5	3.67	1.58
1.9	1.54	41.1	41.2	3.74	2.08
1.95	1.81	37.6	37.7	4.81	3.33
2	1.76	39.9	40	4.4	3.62
2.05	1.81	40.1	40.1	4.5	3.25
2.1	1.81	40.8	40.9	4.42	3.2
2.15	1.94	45.7	45.7	4.24	3.39
2.2	1.84	48.8	48.9	3.76	3.86

2.25	1.67	41.5	41.6	4.01	3.88
2.3	1.47	36.4	36.4	4.02	3.85
2.35	1.35	33	33	4.08	3.58
2.4	1.27	31.5	31.6	4.01	3.75
2.45	1.48	34.1	34.1	4.34	4.36
2.5	2.43	76.2	76.2	3.19	3.81
2.55	3.25	136.3	136.4	2.39	3.56
2.6	4.27	153.5	153.5	2.78	3.48
2.65	4.63	147	147.1	3.14	3.84
2.7	4.48	137.4	137.4	3.26	3.75
2.75	4.07	117	117.1	3.48	4.5
2.8	3.88	117.5	117.6	3.3	4.45
2.85	3.39	85.5	85.6	3.97	3.75
2.9	2.9	49.8	49.8	5.82	3.72
2.95	2.14	36.1	36.1	5.93	4.02
3	1.41	28	28.1	5.04	4.33
3.05	1.15	25.8	25.9	4.47	4.53
3.1	1.24	29.1	29.2	4.26	4.89
3.15	1.73	43.4	43.5	3.98	4.66
3.2	1.91	40.9	41	4.65	4.45
3.25	2.1	43.8	43.9	4.78	4.46
3.3	1.56	39	39.1	3.99	4.51
3.35	1.4	29.7	29.8	4.7	4.79
3.4	1.37	34.4	34.5	3.97	4.88
3.45	1.26	38.5	38.6	3.25	4.64
3.5	1.26	29.8	29.9	4.2	4.71
3.55	1	26.4	26.5	3.76	5.18
3.6	0.96	25.1	25.2	3.83	4.44
3.65	0.96	26	26	3.67	4.76
3.7	0.98	28.2	28.2	3.47	5.66
3.75	0.96	28.3	28.3	3.4	5.08
3.8	1	29.7	29.8	3.34	5.14
3.85	1.06	27.3	27.4	3.89	4.4
3.9	1.06	25.7	25.7	4.1	4.52
3.95	1.02	25.9	26	3.91	4.61
4	0.96	26.6	26.7	3.61	4.9
4.05	0.98	27.6	27.6	3.56	5.11
4.1	0.99	27.8	27.9	3.54	4.82
4.15	1.02	27.1	27.1	3.75	5.08
4.2	1.08	26.4	26.4	4.08	4.98
4.25	1.07	26.7	26.7	4.02	5.09
4.3	1.06	25.9	26	4.09	5.21
4.35	1.02	24.1	24.2	4.23	5.05
4.4	0.98	24.7	24.8	3.97	5.11
4.45	0.97	25.5	25.6	3.79	4.99
4.5	0.99	25.7	25.7	3.86	4.94
4.55	1.11	27.1	27.1	4.09	4.86

4.6	1.25	27	27.1	4.63	4.61
4.65	1.25	24.8	24.9	5.04	4.92
4.7	1.13	23.9	24	4.71	4.69
4.75	1	25.4	25.4	3.93	4.92
4.8	1.01	30.1	30.2	3.35	5.03
4.85	1.16	34.1	34.2	3.38	5
4.9	1.33	36	36.1	3.69	5.07
4.95	1.51	35.6	35.7	4.23	5.06
5	1.59	36	36.1	4.4	5.29
5.05	1.46	36.4	36.5	4.01	5.22
5.1	1.37	37.7	37.8	3.64	5.69
5.15	1.36	42.4	42.4	3.21	5.81
5.2	1.47	47.7	47.8	3.08	5.9
5.25	1.76	48.5	48.5	3.63	5.99
5.3	1.87	50.2	50.3	3.72	5.53
5.35	1.85	54.9	55	3.37	5.99
5.4	1.85	53.3	53.4	3.47	6.16
5.45	1.86	51.5	51.6	3.61	6.46
5.5	1.72	49.1	49.2	3.5	6.47
5.55	1.74	49.6	49.7	3.51	6.68
5.6	2.08	50	50.1	4.16	6.48
5.65	2.2	54.2	54.3	4.06	6.8
5.7	2.33	52.4	52.5	4.43	6.66
5.75	2.29	51.6	51.7	4.42	6.77
5.8	2.18	51.7	51.8	4.2	6.81
5.85	2.16	50	50.1	4.3	6.78
5.9	2.21	50.2	50.3	4.39	6.9
5.95	2.22	48.9	49	4.53	6.82
6	2.43	50.6	50.7	4.8	7.29
6.05	2.52	54.2	54.3	4.65	7.26
6.1	2.43	49.8	49.9	4.86	6.72
6.15	2.09	39.8	39.9	5.24	6.67
6.2	1.68	33.9	34	4.95	6.7
6.25	1.62	32.7	32.8	4.92	7.37
6.3	1.57	30.7	30.8	5.09	7
6.35	1.46	28.3	28.4	5.15	6.81
6.4	1.36	28.3	28.4	4.79	6.97
6.45	1.73	32	32.1	5.4	6.83
6.5	2.09	40.6	40.7	5.14	7.01
6.55	2.02	39.2	39.3	5.13	6.59
6.6	1.95	38.2	38.3	5.1	6.87
6.65	1.83	41.3	41.4	4.43	7.2
6.7	1.74	44.4	44.5	3.91	7.32
6.75	1.79	45.3	45.4	3.94	7.61
6.8	1.99	47.2	47.3	4.21	7.53
6.85	2.18	48.7	48.8	4.47	7.27
6.9	2.37	51.6	51.7	4.58	7.22

6.95	2.63	52.6	52.7	5	7.37
7	3.01	51.6	51.7	5.83	7.18
7.05	3.2	49.7	49.8	6.42	7.53
7.1	3.04	47.4	47.5	6.4	7.38
7.15	2.64	46.3	46.4	5.69	7.6
7.2	2.28	45.5	45.6	5.01	7.49
7.25	2.27	46.2	46.3	4.91	8.05
7.3	2.17	47.6	47.8	4.55	7.87
7.35	2.29	48.6	48.7	4.7	8.09
7.4	2.31	49.4	49.5	4.67	7.72
7.45	2.39	49.3	49.5	4.84	8.05
7.5	2.43	47.4	47.5	5.12	7.91
7.55	2.36	46.3	46.4	5.1	7.74
7.6	2.11	43.8	44	4.81	7.94
7.65	1.96	41.7	41.9	4.67	8.01
7.7	1.91	40	40.1	4.76	7.83
7.75	1.94	40.7	40.8	4.75	7.92
7.8	1.84	39.7	39.8	4.62	8.08
7.85	1.63	36.6	36.7	4.45	7.79
7.9	1.54	34.2	34.3	4.5	8.01
7.95	1.44	32.6	32.7	4.4	7.82
8	1.45	31.9	32	4.54	7.98
8.05	1.41	32.3	32.4	4.35	8.02
8.1	1.44	34.4	34.5	4.17	8.09
8.15	1.46	35.5	35.6	4.1	8.03
8.2	1.63	37.4	37.6	4.33	8.14
8.25	1.95	45.8	45.9	4.25	8.27
8.3	2.27	48.3	48.4	4.69	8.1
8.35	2.69	42.1	42.2	6.38	8.1
8.4	2.87	47	47.1	6.1	8.1
8.45	3.14	49.8	49.9	6.3	8.24
8.5	3.16	54.4	54.6	5.79	8.22
8.55	3.76	56.7	56.8	6.61	8.11
8.6	3.87	54.6	54.7	7.07	8.02
8.65	3.8	59.5	59.6	6.38	8.46
8.7	3.91	64.3	64.4	6.07	8.47
8.75	4.16	66.6	66.7	6.23	8.52
8.8	4.08	65.2	65.3	6.25	8.73
8.85	4.06	67.1	67.2	6.04	9.89
8.9	4.09	63.9	64	6.39	8.87
8.95	3.94	58.1	58.2	6.76	9.04
9	3.51	53.9	54.1	6.49	9.04
9.05	3.3	54.7	54.8	6.03	9.25
9.1	3.23	53.9	54	5.98	8.97
9.15	2.98	51	51.2	5.83	9.11
9.2	2.68	47.8	47.9	5.6	9.38
9.25	2.41	48.5	48.6	4.95	9.36

9.3	2.29	48.4	48.6	4.71	9.84
9.35	2.15	47.2	47.4	4.53	9.45
9.4	2.64	53.6	53.7	4.91	9.4
9.45	3.84	86.8	87	4.42	9.72
9.5	4.72	137.6	137.8	3.43	9.16
9.55	5.46	165.4	165.5	3.3	8.81
9.6	5.96	175.3	175.4	3.4	8.23
9.65	5.87	146.5	146.6	4	7.68
9.7	5.24	93.7	93.8	5.59	8.17
9.75	4.41	70.4	70.5	6.25	8.72
9.8	5.09	98	98.1	5.18	9.55
9.85	6.01	188.4	188.6	3.19	9.61
9.9	6.4	275.7	275.9	2.32	9.97
9.95	6.41	318.3	318.4	2.01	9.04
10	6.4	301	301.1	2.12	8.04
10.05	7.34	214.7	214.8	3.42	7.38
10.1	7.71	154.7	154.9	4.98	8.21
10.15	7.15	108.4	108.5	6.59	9.49
10.2	5.83	87.2	87.4	6.67	10.2
10.25	4.66	81.3	81.4	5.73	10.13
10.3	5.68	121	121.2	4.69	11.04
10.35	7.46	158.7	158.8	4.7	10.28
10.4	8.51	178.4	178.5	4.77	10.65
10.45	8.37	209.3	209.5	3.99	11.2
10.5	9.14	228.5	228.6	4	10.22
10.55	9.75	239.2	239.4	4.07	10.59
10.6	9.6	244.2	244.3	3.93	11.52
10.65	8.74	318.8	319	2.74	12.12
10.7	7.25	373.4	373.5	1.94	10.63
10.75	6.47	405.4	405.5	1.6	10.3
10.8	7.16	434.3	434.4	1.65	10.38
10.85	7.69	454.3	454.4	1.69	10.11
10.9	7.46	459	459.2	1.62	10.6
10.95	7.52	440.2	440.4	1.71	10.87
11	7.07	408.1	408.3	1.73	10.47
11.05	6.67	388.9	389.1	1.71	10.36
11.1	6.66	369.4	369.5	1.8	10.15
11.15	6.78	345.2	345.4	1.96	9.79
11.2	6.98	358.1	358.2	1.95	9.94
11.25	6.63	368.5	368.6	1.8	9.51
11.3	6.73	379.2	379.3	1.77	9.77
11.35	7.41	398.7	398.8	1.86	10.08
11.4	8.57	429.1	429.2	2	10.01
11.45	9.19	476.5	476.7	1.93	10.97
11.5	10.02	473.3	473.5	2.12	11.83
11.55	6.37	464.1	464.3	1.37	11.84
11.6	7.72	455.1	455.3	1.69	11.16

11.65	10.08	442.1	442.3	2.28	18.07
11.7	6.77	409.4	409.7	1.65	24.18
11.75	7.55	355.8	356.2	2.12	26.25
11.8	8.08	325	325.4	2.48	24.35
11.85	8.52	341.2	341.5	2.5	26.93
11.9	8.47	344.4	344.8	2.46	26.56
11.95	8.02	335.4	335.8	2.39	26.97
12	7.88	290.5	290.9	2.71	27.82
12.05	7.18	266.8	267.2	2.69	29.21
12.1	6.63	270.5	271	2.45	31.51
12.15	6.93	266.2	266.6	2.6	30.44
12.2	6.9	215.6	216	3.2	28.66
12.25	6.84	151.7	152.1	4.5	29.11
12.3	6.53	152.3	152.8	4.27	32.6
12.35	7.12	183.7	184.2	3.87	33.02
12.4	6.66	162.3	162.8	4.09	31.06
12.45	4.89	78.5	78.9	6.19	27.28
12.5	2.51	51.9	52.3	4.79	25.5
12.55	1.39	44.2	44.6	3.11	26.12
12.6	1.22	42.2	42.6	2.85	25.99
12.65	1.21	40.7	41.1	2.95	25.94
12.7	1.24	43.2	43.5	2.86	25.97
12.75	2.1	51.4	51.8	4.05	25.72
12.8	2.58	56.5	56.8	4.53	26.05
12.85	2.87	51.2	51.5	5.57	27.15
12.9	3.73	75.2	75.6	4.93	29.7
12.95	2.84	56.3	56.7	5.01	26.14
13	2.08	36.5	36.9	5.65	28.64
13.05	2.03	44.5	44.9	4.52	30.14
13.1	1.7	47.2	47.6	3.58	28.63
13.15	1.6	36.5	36.9	4.34	28.73
13.2	1.45	31.4	31.8	4.55	29.31
13.25	1.26	32.2	32.6	3.86	29.5
13.3	1.25	31.9	32.4	3.85	29.18
13.35	1.21	31.8	32.2	3.77	28.73
13.4	1.23	33.4	33.9	3.62	28.88
13.45	1.25	34.7	35.1	3.57	28.81
13.5	1.32	35.4	35.8	3.68	28.63
13.55	1.35	36.6	37	3.66	28.45
13.6	1.35	37	37.4	3.61	28
13.65	1.32	36	36.4	3.64	27.95
13.7	1.26	36.3	36.7	3.43	28.16
13.75	1.26	36	36.4	3.47	28.01
13.8	1.23	34.4	34.8	3.53	27.48
13.85	1.37	34.5	34.8	3.94	27.87
13.9	1.61	42.4	42.8	3.77	27.94
13.95	1.61	59.4	59.7	2.69	28.35

14	1.71	56.3	56.7	3.02	28.02
14.05	1.67	45.7	46.1	3.62	27.76
14.1	1.45	36.5	36.9	3.93	27.5
14.15	1.27	32.6	32.9	3.86	27.75
14.2	1.08	34.9	35.3	3.06	27.81
14.25	1.32	37.4	37.8	3.5	27.85
14.3	2.2	53.6	54	4.08	28.47
14.35	3.12	90.6	91	3.43	28.13
14.4	3.73	89.2	89.6	4.17	27.98
14.45	4.44	103.6	104	4.27	27.98
14.5	5.45	137.6	138	3.95	27.57
14.55	5.19	106.4	106.8	4.86	26.32
14.6	4.51	88.7	89.1	5.07	27.8
14.65	3.49	87.2	87.6	3.98	30
14.7	3.47	62.9	63.3	5.48	28.16
14.75	3.34	112.7	113.1	2.95	29.39
14.8	4.41	188.5	188.9	2.34	28.17
14.85	5.87	160.5	160.9	3.65	25.83
14.9	5.14	119.3	119.7	4.3	26.96
14.95	5.73	112.3	112.7	5.08	29.88
15	5.21	127.9	128.2	4.06	27.81
15.05	5.07	102.4	102.8	4.94	29.05
15.1	3.71	73.5	73.9	5.02	28.2
15.15	2.65	47	47.4	5.59	28.94
15.2	2.37	47.9	48.4	4.9	30.16
15.25	2.96	85.1	85.6	3.46	31.32
15.3	4.59	219.2	219.7	2.09	32.56
15.35	6.06	378.2	378.6	1.6	29.11
15.4	8.17	432.6	433	1.89	28.97
15.45	8.92	480.8	481.2	1.85	27.21
15.5	8.63	503.9	504.3	1.71	28.26
15.55	7.6	523.8	524.2	1.45	28.29
15.6	7.56	466	466.4	1.62	27.41
15.65	7.43	360.5	360.9	2.06	25.95
15.7	7.82	274.6	274.9	2.84	25.9
15.75	8	227.4	227.8	3.51	25.52
15.8	6.86	164.6	165	4.16	26.41
15.85	5.18	110.8	111.2	4.66	27.45
15.9	4.14	70.6	71	5.83	29.76
15.95	3.95	53.1	53.5	7.39	31.57
16	3.86	74	74.5	5.19	32.35
16.05	5.79	225.6	226	2.56	34.23
16.1	8.33	470.8	471.2	1.77	31.98
16.15	10.18	500.8	501.2	2.03	31.5
16.2	4.67	502.2	502.7	0.93	30.3
16.25	5.89	444.1	444.5	1.32	29.09
16.3	6.99	395.5	395.9	1.76	25.41

16.35	8.23	384.6	385	2.14	30.49
16.4	4.83	585.8	586.3	0.82	31.97
16.45	6.13	546.1	546.4	1.12	25.05
16.5	7.86	403.6	403.9	1.95	20.71
16.55	9.46	229.6	229.9	4.11	21.8
16.6	7.63	142.9	143.2	5.33	21.84
16.65	5.13	225.1	225.5	2.27	33.53
16.7	6.29	645	645.1	0.97	5.71
16.75	6.96	559.1	559.3	1.25	11.4
16.8	10.6	509.6	509.7	2.08	8.73
16.85	5.3	533.6	533.8	0.99	10.51
16.9	5.87	457.9	458.1	1.28	14.21
16.95	5.62	264.6	264.7	2.12	8.48
17	5.75	147.6	147.7	3.89	8.9
17.05	4.85	98.8	99	4.9	10.28
17.1	4.2	87.7	87.9	4.78	11.51
17.15	3.19	111	111.2	2.87	12.46
17.2	3.73	171.9	172	2.17	12.98
17.25	4.98	177.6	177.7	2.8	11.11
17.3	5.52	150.9	151	3.66	10.99
17.35	6.18	189.4	189.6	3.26	11.87
17.4	6.13	294.8	294.9	2.08	11.83
17.45	4.72	304.7	304.9	1.55	10.94
17.5	3.36	240.1	240.2	1.4	9.53
17.55	2.15	166	166.1	1.29	8.97
17.6	2	89	89.1	2.24	8.37
17.65	1.73	53.7	53.8	3.22	8.52
17.7	1.28	41	41.1	3.11	8.15
17.75	1.04	30.1	30.2	3.45	8.81
17.8	0.98	26.3	26.4	3.71	8.89
17.85	1.25	29.2	29.3	4.25	9.18
17.9	2.11	45.7	45.8	4.61	9.53
17.95	2.95	89.2	89.3	3.31	10.35
18	3.83	89.2	89.4	4.28	10.16
18.05	3.92	92.3	92.4	4.24	10.59
18.1	3.66	61.2	61.4	5.97	10.34
18.15	3.04	182.6	182.8	1.67	12.04
18.2	2.67	221.2	221.4	1.2	10.29
18.25	3.39	145.4	145.6	2.33	9.78
18.3	3.27	77.5	77.6	4.21	8.89
18.35	2.65	41.2	41.3	6.43	9.54
18.4	1.43	30.1	30.2	4.72	9.97
18.45	0.92	27.2	27.4	3.36	10.12
18.5	0.84	25.2	25.3	3.32	10.24
18.55	0.78	25.2	25.4	3.08	10.13
18.6	0.75	27.1	27.2	2.74	10.23
18.65	0.79	29.2	29.4	2.69	10.32

18.7	0.85	30.7	30.9	2.76	10.24
18.75	0.98	31.8	31.9	3.06	10.31
18.8	1.25	35.2	35.4	3.54	10.32
18.85	1.21	42.6	42.7	2.84	10.45
18.9	1.22	42.2	42.4	2.89	10.72
18.95	1.21	42.2	42.4	2.86	11.19
19	1.32	43.2	43.4	3.04	11.25
19.05	1.38	43.4	43.6	3.16	11.36
19.1	1.45	42.8	42.9	3.38	11.46
19.15	1.81	58.3	58.5	3.1	11.86
19.2	3.07	106.2	106.3	2.89	12.2
19.25	5.36	184.1	184.2	2.91	11.58
19.3	6.52	188.6	188.8	3.45	10.96
19.35	7.12	170.1	170.3	4.18	11.39
19.4	5.8	89.6	89.8	6.45	10.92
19.45	3.93	56.8	56.9	6.9	11.06
19.5	1.91	54	54.2	3.53	11.18
19.55	1.51	47.2	47.4	3.19	11.85
19.6	1.39	43.5	43.6	3.2	12.25
19.65	1.21	42.5	42.7	2.83	12.24
19.7	1.25	41.6	41.8	3	12.23
19.75	1.63	42.9	43.1	3.78	12.37
19.8	1.43	46.5	46.7	3.05	12.3
19.85	1.42	44.8	45	3.14	12.76
19.9	1.36	44.4	44.6	3.06	13.1
19.95	1.2	42.6	42.8	2.81	13.02
20	1.42	44.6	44.8	3.16	13.07
20.05	1.65	55.1	55.3	2.98	13.5
20.1	1.97	57.5	57.7	3.41	13.74
20.15	2.32	55.8	56	4.14	13.75
20.2	2.28	54.8	55	4.15	13.96
20.25	2.23	55.6	55.7	4	13.91
20.3	2.21	56.6	56.8	3.9	14.02
20.35	2.16	56.9	57.1	3.78	14.08
20.4	2.16	54.2	54.4	3.96	14.15
20.45	2.09	52	52.2	4.01	14.23
20.5	1.97	50.5	50.7	3.9	13.67
20.55	1.87	50.6	50.8	3.68	14.2
20.6	1.75	50.4	50.6	3.45	14.58
20.65	1.89	51.8	52	3.63	14.4
20.7	1.8	48.3	48.5	3.71	14.32
20.75	1.86	50.4	50.6	3.68	14.32
20.8	1.88	50.7	50.9	3.69	14.77
20.85	2.11	53.8	54	3.9	14.95
20.9	2.26	55.7	55.9	4.05	14.69
20.95	2.36	56.3	56.5	4.18	14.71
21	2.34	57.8	58	4.03	15.16

21.05	2.44	58.9	59.1	4.14	14.84
21.1	2.32	58.8	59	3.93	14.95
21.15	2.16	59.9	60.1	3.59	15.35
21.2	2.07	59.4	59.6	3.48	15.43
21.25	2.03	60	60.2	3.37	15.58
21.3	2.1	61.5	61.7	3.4	15.84
21.35	2.17	62.9	63.1	3.44	15.72
21.4	2.44	66.7	66.9	3.65	15.7
21.45	2.61	75.6	75.8	3.44	15.78
21.5	2.71	72.1	72.3	3.75	16.21
21.55	2.82	75.1	75.3	3.74	16.14
21.6	3.12	81.5	81.7	3.82	16.4
21.65	3.7	98	98.2	3.76	17.04
21.7	3.8	96.9	97.2	3.91	16.15
21.75	3.64	72.4	72.6	5.02	16.69
21.8	2.87	69.9	70.2	4.09	17.01
21.85	2.6	68.8	69	3.77	17.16
21.9	2.54	67.9	68.2	3.73	17.49
21.95	2.55	67.7	67.9	3.76	17.43
22	2.54	67	67.2	3.79	17.43
22.05	2.51	65.2	65.5	3.84	17.41
22.1	2.4	64.8	65.1	3.69	17.79
22.15	2.33	62.4	62.6	3.73	17.92
22.2	2.15	62.5	62.7	3.44	17.95
22.25	2.05	59.1	59.3	3.46	17.96
22.3	2.06	61.5	61.8	3.34	18.13
22.35	2.03	62	62.3	3.25	17.98
22.4	2.11	61.9	62.1	3.39	18
22.45	2.15	61.1	61.3	3.51	18.16
22.5	2.11	60.8	61.1	3.45	18.18
22.55	2.05	58.7	58.9	3.48	18.49
22.6	1.91	59	59.3	3.22	18.52
22.65	1.89	61.9	62.2	3.04	18.67
22.7	2.02	63.9	64.2	3.16	18.87
22.75	2.12	66.8	67	3.17	18.95
22.8	0	68.5	68.8	0	19.17
22.85	0	73.3	73.5	0	19.18

Depth (m)	Sleeve (tsf)	Tip(unc) (tsf)	Tip(cor) (tsf)	F. Ratio (%)	U (psi)
0.05	0	7.1	7.1	0	0.38
0.1	0.05	7.9	7.9	0.65	0.73
0.15	0.07	7.5	7.5	0.91	0.69
0.2	0.06	5.2	5.2	1.12	0.39
0.25	0.06	5	5	1.13	0.69
0.3	0.05	4.4	4.4	1.24	0.49
0.35	0.07	4.2	4.2	1.55	0.42
0.4	0.05	3.9	3.9	1.35	0.33
0.45	0.06	3.9	3.9	1.43	0.63
0.5	0.06	3.8	3.8	1.52	0.24
0.55	0.06	4.2	4.2	1.38	0.18
0.6	0.06	5.6	5.6	1.09	0.35
0.65	0.06	9	9	0.69	0.51
0.7	0.06	7.6	7.6	0.82	0.68
0.75	0.06	6.4	6.4	0.9	0.65
0.8	0.05	5.9	5.9	0.87	0.41
0.85	0.05	4.3	4.3	1.13	0.27
0.9	0.05	4.1	4.1	1.25	0.07
0.95	0.06	4.5	4.5	1.34	0.03
1	0.05	4.5	4.5	1.18	0.14
1.05	0.06	4.9	4.9	1.16	0.33
1.1	0.06	4.4	4.4	1.35	0.07
1.15	0.06	4.4	4.4	1.31	0.24
1.2	0.05	5	5	1.06	0.28
1.25	0.05	5.1	5.1	1.03	0.12
1.3	0.06	8.5	8.5	0.67	0.06
1.35	0.05	12.1	12.1	0.45	0.24
1.4	0.05	14.9	14.9	0.36	0.32
1.45	0.06	9.4	9.5	0.67	0.36
1.5	0.06	9.9	9.9	0.57	0.24
1.55	0.05	11.2	11.2	0.45	0.54
1.6	0.05	12.5	12.5	0.41	0.28
1.65	0.05	11.8	11.8	0.41	0.15
1.7	0.08	9.3	9.3	0.81	-0.15
1.75	0.07	7	7	1.01	-0.04
1.8	0.07	5.1	5.1	1.46	-0.14
1.85	0.07	3.1	3.1	2.37	-0.26
1.9	0.08	2.9	2.9	2.8	-0.18
1.95	0.08	2.2	2.2	3.42	-0.19
2	0.08	2	2	3.93	-0.04
2.05	0.07	1.9	1.9	3.95	-0.23
2.1	0.07	2	2	3.75	-0.07
2.15	0.07	2.3	2.3	3.05	-0.23
2.2	0.07	1.5	1.5	4.88	1.53

2.25	0.08	2.2	2.3	3.34	5.05
2.3	0.08	4.6	4.7	1.61	8.17
2.35	0.08	4.8	4.9	1.59	8.92
2.4	0.07	6.3	6.4	1.09	8.97
2.45	0.44	19.2	19.3	2.27	9.33
2.5	1.31	51.9	52.1	2.51	11.7
2.55	1.6	111.7	111.8	1.43	12.03
2.6	2.39	134.5	134.7	1.77	11.99
2.65	2.22	93.8	94	2.36	11.4
2.7	1.59	52.4	52.6	3.03	11.8
2.75	1.27	39.3	39.5	3.22	12.96
2.8	1.11	43.1	43.3	2.56	13.12
2.85	0.98	34.8	34.9	2.82	12.86
2.9	0.97	28.3	28.5	3.41	13.55
2.95	0.83	24.7	24.9	3.33	13.32
3	0.86	25.9	26.1	3.31	13.54
3.05	0.84	24.9	25.1	3.33	13.16
3.1	0.94	24.9	25	3.77	13.13
3.15	0.92	31.3	31.5	2.92	13.47
3.2	0.85	31.8	32	2.65	13.12
3.25	1.48	40.4	40.5	3.65	13.52
3.3	1.85	67.3	67.4	2.74	13.33
3.35	2.48	78.4	78.6	3.16	13.27
3.4	2.54	57.6	57.8	4.39	12.7
3.45	2.05	37.6	37.7	5.42	13.18
3.5	1.81	35.6	35.7	5.06	13.33
3.55	1.53	36.4	36.6	4.18	12.81
3.6	1.15	23.4	23.5	4.89	12.56
3.65	0.7	17.2	17.4	4.03	12.93
3.7	0.62	17.2	17.3	3.56	13.2
3.75	0.59	18.7	18.9	3.12	13.08
3.8	0.57	19.2	19.4	2.96	13.16
3.85	0.68	21.4	21.6	3.15	13.22
3.9	0.81	26.2	26.4	3.09	13.42
3.95	0.97	27.3	27.5	3.54	13.27
4	1.12	26.9	27.1	4.14	13.45
4.05	1.12	27.6	27.8	4.02	13.38
4.1	1.13	27.1	27.3	4.16	13.52
4.15	1.06	26.4	26.6	3.99	13.46
4.2	1.03	26.8	27	3.82	13.43
4.25	0.99	27.9	28.1	3.53	13.62
4.3	0.86	26.5	26.7	3.22	13.62
4.35	0.89	25.7	25.9	3.42	13.63
4.4	0.88	25	25.2	3.5	13.82
4.45	0.94	28.3	28.5	3.28	13.62
4.5	1.01	28.5	28.7	3.51	13.69
4.55	0.94	25.9	26.1	3.59	13.74

4.6	0.83	24.1	24.3	3.41	14.05
4.65	0.79	26.3	26.5	2.99	13.73
4.7	0.83	27.9	28	2.96	13.75
4.75	0.92	28.3	28.5	3.22	14.32
4.8	0.92	26.2	26.4	3.48	14.1
4.85	0.86	25.9	26.1	3.31	13.93
4.9	1	27	27.2	3.66	13.75
4.95	1.1	32.8	33	3.33	14.29
5	1.01	30.5	30.7	3.28	13.92
5.05	1.04	24.6	24.8	4.2	13.75
5.1	0.93	27.4	27.6	3.36	14.1
5.15	0.89	28.4	28.6	3.12	14.2
5.2	0.96	28.4	28.6	3.36	13.93
5.25	1.08	28.8	29	3.72	14.31
5.3	1	28.5	28.7	3.48	14.02
5.35	0.98	27.6	27.8	3.53	14.4
5.4	0.88	26	26.2	3.35	14.39
5.45	0.87	29.1	29.3	2.97	14.48
5.5	0.97	30.3	30.5	3.2	14.28
5.55	1.17	30.3	30.5	3.84	14.51
5.6	1.28	29.8	30	4.27	14.42
5.65	1.22	28.8	29	4.21	14.38
5.7	1.23	27.7	27.9	4.4	14.35
5.75	1.14	24.2	24.4	4.68	14.09
5.8	0.95	21.7	21.9	4.34	14.29
5.85	0.85	22.8	23	3.69	14.56
5.9	0.93	28.1	28.3	3.28	14.43
5.95	1.15	32.9	33.1	3.47	14.43
6	1.39	38	38.2	3.64	14.53
6.05	1.53	40.5	40.7	3.76	14.85
6.1	1.59	41.4	41.6	3.81	14.93
6.15	1.78	44.4	44.6	4	15.12
6.2	2.81	85	85.3	3.3	16.01
6.25	4.29	153.4	153.6	2.79	14.79
6.3	5.47	163.7	164	3.34	15.21
6.35	5.35	179.7	179.9	2.98	15.93
6.4	4.82	191.7	191.9	2.51	16.06
6.45	5.1	196.6	196.8	2.59	15.39
6.5	4.6	124.2	124.4	3.7	14.51
6.55	5.08	90.9	91.1	5.57	15.21
6.6	5.01	103.5	103.7	4.83	15.49
6.65	4.7	69.3	69.5	6.77	14.92
6.7	3.24	52.4	52.6	6.16	15.86
6.75	2.03	41.4	41.6	4.88	16.08
6.8	1.51	37.9	38.1	3.97	16.87
6.85	1.34	39.1	39.4	3.4	17.21
6.9	1.36	39.6	39.9	3.42	17.34

6.95	1.44	40.8	41	3.51	17.33
7	1.56	43.2	43.4	3.6	17.44
7.05	1.71	46.7	47	3.64	17.59
7.1	1.84	49.5	49.7	3.69	17.74
7.15	2.16	50.9	51.2	4.22	17.64
7.2	2.63	51.9	52.2	5.04	17.38
7.25	2.65	53.6	53.8	4.92	17.57
7.3	2.7	50.9	51.1	5.27	17.48
7.35	2.71	51.8	52	5.21	17.8
7.4	2.82	52.4	52.7	5.36	17.73
7.45	2.85	51.7	52	5.48	17.7
7.5	2.7	50.4	50.6	5.33	18.23
7.55	2.46	47.7	47.9	5.13	17.65
7.6	2.25	48.1	48.4	4.66	18.09
7.65	2.21	47.6	47.8	4.61	18.05
7.7	2.17	45.5	45.8	4.74	18.15
7.75	2.2	43.4	43.6	5.04	17.97
7.8	2.1	44.4	44.7	4.7	17.93
7.85	2.18	43.4	43.7	5	18.05
7.9	2.11	42.6	42.8	4.93	17.94
7.95	2.04	42.9	43.1	4.73	18.17
8	2.1	44	44.3	4.74	17.82
8.05	2.26	49.3	49.5	4.57	18.31
8.1	2.53	49	49.2	5.14	17.95
8.15	2.7	50	50.2	5.38	18.23
8.2	2.67	53.2	53.4	5	18.12
8.25	2.76	55.5	55.8	4.95	18.28
8.3	2.96	54.5	54.8	5.4	17.95
8.35	3.35	54.6	54.8	6.12	18.31
8.4	3.7	57.8	58	6.37	18.06
8.45	3.82	62.6	62.9	6.08	18.52
8.5	3.81	67.2	67.4	5.65	18.59
8.55	3.95	66	66.3	5.96	18.64
8.6	4.04	64.8	65	6.21	18.19
8.65	3.94	62.8	63	6.25	18.3
8.7	3.76	59.6	59.9	6.27	18.75
8.75	3.6	63.1	63.3	5.68	18.76
8.8	3.58	63.1	63.3	5.66	18.49
8.85	3.24	60.2	60.4	5.37	18.8
8.9	2.86	56	56.3	5.09	18.87
8.95	2.57	55	55.2	4.65	19.16
9	2.23	53.9	54.2	4.12	18.68
9.05	2.16	49.7	50	4.33	18.81
9.1	2.07	48.2	48.4	4.27	19.22
9.15	2.14	49.7	49.9	4.28	19.35
9.2	2.5	46.8	47.1	5.31	18.82
9.25	2.54	44.5	44.7	5.68	18.73

9.3	2.55	42.8	43	5.93	18.77
9.35	2.51	40	40.3	6.22	18.87
9.4	2.63	41.8	42	6.26	18.71
9.45	2.5	43.6	43.8	5.71	18.68
9.5	2.21	37.2	37.5	5.9	18.38
9.55	2.11	36.1	36.4	5.8	18.38
9.6	1.84	36.5	36.7	5.02	18.38
9.65	2.28	37.2	37.4	6.08	18.66
9.7	2.98	62	62.3	4.78	19.13
9.75	4.45	98.6	98.8	4.5	18.87
9.8	5.32	100.8	101	5.27	18.53
9.85	4.93	77.1	77.3	6.38	18.57
9.9	4.46	103.2	103.5	4.31	19.48
9.95	4.82	111.8	112	4.3	18.43
10	5.3	82.2	82.5	6.43	18.18
10.05	3.91	57.3	57.6	6.79	18.51
10.1	3.9	50.8	51	7.64	19.57
10.15	4.32	84.7	85	5.09	19.54
10.2	4.42	93.4	93.6	4.72	18.89
10.25	5.48	102.5	102.7	5.34	20.54
10.3	7.31	244.5	244.8	2.99	21.05
10.35	9.42	326.4	326.7	2.89	20.24
10.4	7.03	354.2	354.4	1.98	19.38
10.45	9.72	313	313.3	3.1	18.78
10.5	6.97	307.4	307.7	2.27	19.57
10.55	7.59	289.4	289.7	2.62	20.89
10.6	7.73	201.5	201.8	3.83	18.61
10.65	8.18	159.8	160.1	5.11	19.22
10.7	8.79	162.6	162.9	5.39	20.82
10.75	9.28	152.8	153.1	6.07	20.99
10.8	9.39	165.2	165.5	5.67	21.08
10.85	9.43	199.9	200.2	4.71	22.75
10.9	10.75	213.7	214	5.02	21.46
10.95	7.07	218.4	218.7	3.23	23.11
11	8.16	204.4	204.8	3.99	23.69
11.05	9.2	206.9	207.2	4.44	22.76
11.1	10.57	217	217.3	4.87	24.15
11.15	9.33	243.4	243.8	3.83	24.41
11.2	8.25	287.8	288.2	2.86	23.61
11.25	7.12	365.4	365.7	1.95	21.9
11.3	6.41	419.9	420.2	1.52	22.25
11.35	6.33	436.1	436.4	1.45	21.74
11.4	7.15	435.3	435.6	1.64	21.75
11.45	7.28	391.9	392.2	1.86	20.56
11.5	6.51	376.4	376.6	1.73	20.54
11.55	6.57	375.2	375.5	1.75	20.55
11.6	6.6	380.6	380.9	1.73	20.88

11.65	6.39	367.4	367.7	1.74	20.64
11.7	6.01	364.1	364.4	1.65	20.52
11.75	7.34	351.4	351.7	2.09	20.13
11.8	8.74	283.1	283.3	3.08	20.1
11.85	9.91	219	219.3	4.52	20.05
11.9	9.3	178.7	178.9	5.19	19.68
11.95	8.15	176.4	176.7	4.61	22.53
12	7.42	187.8	188.1	3.94	21.6
12.05	7.47	188.5	188.8	3.96	21.76
12.1	6.72	209.6	209.9	3.2	21.16
12.15	5.7	213.5	213.8	2.67	21.13
12.2	5.19	223.9	224.1	2.32	20.98
12.25	4.75	224.5	224.8	2.11	20.46
12.3	4.56	217.3	217.6	2.1	20.83
12.35	4.28	231.3	231.6	1.85	21.05
12.4	3.9	253.7	254	1.54	20.9
12.45	3.44	268.8	269	1.28	20.29
12.5	3.46	270.4	270.7	1.28	20.5
12.55	3.45	273.1	273.4	1.26	19.52
12.6	3.66	279.5	279.8	1.31	19.34
12.65	4.48	282.2	282.5	1.59	19.06
12.7	2.16	292.4	292.6	0.74	17.77
12.75	1.94	273.5	273.8	0.71	18.34
12.8	2.88	262.9	263.1	1.09	16.91
12.85	3.74	266.9	267.1	1.4	15.8
12.9	4.25	298.4	298.7	1.42	16.87
12.95	4.18	300.9	301.1	1.39	16.62
13	3.91	274.5	274.8	1.42	17.13
13.05	3.24	260.6	260.8	1.24	17.28
13.1	3.1	246	246.3	1.26	16.9
13.15	3.15	249	249.3	1.26	16.55
13.2	3.08	252.3	252.5	1.22	16.16
13.25	3.13	249.9	250.1	1.25	16.52
13.3	3.07	243.5	243.7	1.26	16.96
13.35	3.21	233	233.2	1.38	16.39
13.4	2.84	239.9	240.1	1.18	16.28
13.45	3.76	259.1	259.3	1.45	16.75
13.5	4	264.2	264.4	1.51	15.86
13.55	4.33	250.7	250.9	1.73	15.74
13.6	4.84	271.8	272	1.78	15.52
13.65	5.77	321.2	321.4	1.79	15.96
13.7	6.47	312.2	312.4	2.07	15.68
13.75	6.99	296.1	296.4	2.36	15.67
13.8	7.9	308.2	308.4	2.56	16.97
13.85	8.73	293.6	293.9	2.97	17.89
13.9	9	280.3	280.6	3.21	18.17
13.95	7.59	277.4	277.6	2.74	18.66

14	6.32	291.5	291.7	2.17	18.36
14.05	4.94	295.5	295.7	1.67	17.86
14.1	4.19	307	307.2	1.36	17.66
14.15	4.01	314.3	314.6	1.27	17.56
14.2	4.08	326.1	326.4	1.25	17.71
14.25	4.18	330.6	330.8	1.26	17.8
14.3	4.38	340.8	341.1	1.28	17.86
14.35	4.17	355.5	355.7	1.17	18
14.4	5.72	353.8	354.1	1.62	18.05
14.45	8.1	312	312.3	2.59	18.31
14.5	9.26	257.9	258.1	3.59	19.37
14.55	9.58	333.9	334.2	2.87	19.9
14.6	10.39	354.5	354.7	2.93	18.5
14.65	6.5	258	258.3	2.52	17.36
14.7	6.61	167.5	167.7	3.94	18.43
14.75	7.08	146.6	146.9	4.82	19.26
14.8	8.62	180.8	181.1	4.76	20.69
14.85	9.64	265.4	265.7	3.63	19.77
14.9	6.3	306.5	306.8	2.05	19.14
14.95	7.72	239.4	239.6	3.22	17.92
15	8.06	158.7	158.9	5.07	17.9
15.05	8.43	145.6	145.9	5.78	19.76
15.1	6.84	126.9	127.2	5.38	21.42
15.15	6.06	121.1	121.4	4.99	22.24
15.2	5.72	131.2	131.5	4.35	22.88
15.25	7.63	171	171.3	4.45	22.57
15.3	9.69	222.4	222.7	4.35	21.08
15.35	10.86	288	288.3	3.77	20.68
15.4	11.81	338.6	338.8	3.49	21.08
15.45	6.89	408.8	409.1	1.68	20.9
15.5	6.39	443	443.3	1.44	20.52
15.55	5.99	419.3	419.5	1.43	16.66
15.6	5.87	359.2	359.4	1.63	14.85
15.65	6.3	299.7	299.9	2.1	14.51
15.7	6.81	191	191.2	3.56	14.16
15.75	5.52	107.5	107.7	5.13	14.1
15.8	4.33	80.6	80.8	5.36	16.14
15.85	3.37	91	91.3	3.69	16.58
15.9	3.88	107.8	108	3.59	17.42
15.95	5.08	89.4	89.7	5.66	16.91
16	6.21	152.4	152.7	4.07	18.88
16.05	7.1	222.3	222.5	3.19	17.59
16.1	7.16	183.7	184	3.89	16.96
16.15	6.45	133.3	133.5	4.83	16.07
16.2	4.58	79.7	80	5.73	16.08
16.25	2.78	45	45.3	6.15	16.93
16.3	1.62	36.8	37.1	4.38	16.97

16.35	1.3	34.1	34.3	3.8	16.87
16.4	1.26	33.4	33.6	3.74	17.1
16.45	1.31	34	34.2	3.82	17.31
16.5	1.41	39.8	40	3.53	17.01
16.55	1.65	47.8	48.1	3.43	17.28
16.6	2.08	58.7	58.9	3.53	17.16
16.65	3.38	77.6	77.8	4.34	17.37
16.7	3.56	86.9	87.1	4.09	17.07
16.75	3.67	84.9	85.2	4.31	16.84
16.8	4.48	90.8	91.1	4.92	17.41
16.85	5.17	124.2	124.4	4.15	17.53
16.9	5.74	126.6	126.9	4.52	17.99
16.95	6.05	114.2	114.4	5.29	17.23
17	4.8	88.1	88.3	5.43	16.74
17.05	3.57	74.6	74.9	4.76	18.01
17.1	2.72	59.5	59.7	4.55	17.41
17.15	2.61	59.5	59.7	4.36	18.21
17.2	2.57	52.2	52.4	4.9	16.62
17.25	3.94	71.9	72.1	5.46	17.22
17.3	5.2	364.3	364.6	1.43	18.29
17.35	6.96	591.6	591.8	1.18	17.61
17.4	6.98	645.1	645.3	1.08	17.23
17.45	6.93	594.8	595.1	1.17	16.4
17.5	7.96	497.2	497.4	1.6	15.69
17.55	9.17	313.9	314.1	2.92	15.44
17.6	8.04	162.8	163	4.93	14.59
17.65	5.09	86.1	86.3	5.89	15.23
17.7	4.09	62.7	62.9	6.5	16.49
17.75	4.1	218.7	218.9	1.87	18.34
17.8	6.28	324.6	324.8	1.93	17.12
17.85	7.11	234.4	234.6	3.03	15.87
17.9	6.78	170.9	171.2	3.96	16.64
17.95	4.75	92.1	92.3	5.15	16.47
18	2.78	58.2	58.4	4.76	17.04
18.05	1.54	59.2	59.4	2.59	16.66
18.1	1.25	60.3	60.5	2.06	17.09
18.15	1.35	51.8	52	2.59	16.68
18.2	1.42	44.1	44.4	3.19	17.31
18.25	1.34	41.3	41.5	3.22	17.21
18.3	1.23	37.1	37.3	3.29	16.59
18.35	1.1	37.3	37.5	2.94	16.61
18.4	1.09	41.7	41.9	2.6	16.79
18.45	1.19	43.8	44	2.7	16.66
18.5	1.28	43.1	43.3	2.96	16.98
18.55	1.34	42.7	42.9	3.13	16.93
18.6	1.25	41.8	42	2.97	16.59
18.65	1.28	39.3	39.6	3.22	17.19

18.7	1.19	35.8	36	3.31	16.47
18.75	1.09	35.7	35.9	3.03	16.37
18.8	0.99	36.6	36.8	2.69	16.27
18.85	0.95	36.6	36.9	2.57	16.18
18.9	0.98	36.8	37	2.64	16.51
18.95	1.06	36.5	36.7	2.89	16.35
19	1.05	38.7	39	2.69	16.39
19.05	1.27	50.3	50.5	2.51	16.39
19.1	1.82	61.4	61.7	2.94	16.19
19.15	1.93	52.1	52.3	3.69	16.48
19.2	1.9	43.6	43.8	4.35	16.37
19.25	1.56	45.6	45.8	3.4	16.47
19.3	1.35	44	44.2	3.07	16.62
19.35	1.4	46.1	46.4	3.02	16.47
19.4	1.56	53.1	53.4	2.92	16.62
19.45	1.89	70.6	70.8	2.67	16.52
19.5	2	72.8	73	2.74	17.83
19.55	1.87	53.5	53.7	3.48	18.19
19.6	1.58	47.9	48.2	3.27	18.13
19.65	1.47	52.8	53	2.76	19.1
19.7	2.52	77.3	77.6	3.25	18.36
19.75	3.61	141.4	141.6	2.55	18.45
19.8	3.91	94.1	94.4	4.15	17.75
19.85	3.15	56.4	56.7	5.56	18.07
19.9	2.35	59.6	59.8	3.93	18.56
19.95	2.38	75.4	75.7	3.14	18.83
20	2.59	77.8	78.1	3.31	18.59
20.05	2.46	59.3	59.5	4.14	18.21
20.1	2.42	46	46.2	5.24	18.21
20.15	1.84	49.6	49.8	3.7	18.46
20.2	1.75	57.3	57.6	3.04	19.58
20.25	1.67	51.9	52.2	3.19	19.74
20.3	1.68	48.4	48.7	3.45	19.44
20.35	1.59	48.8	49.1	3.23	18.87
20.4	1.64	48	48.3	3.4	18.5
20.45	1.63	50.1	50.4	3.23	19.71
20.5	1.6	50.8	51.1	3.13	19.71
20.55	1.6	50.9	51.2	3.12	18.93
20.6	1.67	55.8	56.1	2.98	18.9
20.65	1.74	59	59.3	2.93	18.75
20.7	1.73	62.8	63.1	2.74	19.43
20.75	1.68	59.2	59.5	2.83	19.25
20.8	1.64	57.2	57.5	2.84	19.79
20.85	1.67	53	53.3	3.14	19.11
20.9	1.68	52.3	52.5	3.19	19.52
20.95	1.57	53.5	53.8	2.93	19.56
21	1.61	55.9	56.1	2.87	19.67

21.05	1.83	58.4	58.6	3.12	19.25
21.1	2.28	66.8	67.1	3.39	19.07
21.15	2.31	64.1	64.3	3.6	19.1
21.2	2.27	58.6	58.8	3.85	19.2
21.25	1.98	54.7	54.9	3.6	19.42
21.3	1.75	53.3	53.6	3.26	19.63
21.35	1.62	51.2	51.4	3.16	19.34
21.4	1.64	54.2	54.5	3	19.92
21.45	1.88	57.7	58	3.25	19.44
21.5	2.25	61.5	61.7	3.64	19.61
21.55	2.33	64.5	64.8	3.6	19.65
21.6	2.53	59.7	60	4.22	19.83
21.65	2.31	56.6	56.9	4.06	19.74
21.7	2.41	58.2	58.5	4.11	19.59
21.75	2.47	63.7	64	3.85	20.04
21.8	2.68	66.8	67.1	3.99	20.11
21.85	2.97	76.3	76.5	3.88	20.64
21.9	3.06	81.9	82.2	3.73	20.24
21.95	3.29	84.2	84.4	3.9	20.3
22	3.7	87.3	87.6	4.22	20.52
22.05	3.79	84.3	84.6	4.49	20.65
22.1	3.64	80.3	80.6	4.51	20.82
22.15	3.18	74.6	74.8	4.25	20.36
22.2	2.93	70.8	71.1	4.12	20.38
22.25	2.6	69.6	69.9	3.72	21.06
22.3	2.94	74.6	74.9	3.93	20.87
22.35	3.01	74.1	74.4	4.04	20.74
22.4	2.96	65.3	65.6	4.51	20.75
22.45	2.6	62.4	62.7	4.14	20.75
22.5	3.06	68.1	68.4	4.47	20.93
22.55	3.33	78.2	78.5	4.24	20.65
22.6	2.89	71.2	71.4	4.04	20.18
22.65	2.64	63.2	63.5	4.16	21.08
22.7	2.19	61.5	61.8	3.54	20.77
22.75	2.2	60	60.3	3.64	20.98
22.8	0	58.8	59.1	0	21.26
22.85	0	57.2	57.5	0	20.85
22.9	0	57.7	58	0	21.14

Depth (m)	Sleeve (tsf)	Tip(unc) (tsf)	Tip(cor) (tsf)	F. Ratio (%)	U (psi)
0.05	0	3	3.1	0	0.07
0.1	0.01	4.5	4.6	0.32	0.52
0.15	0.04	4.1	4.1	1.04	0.07
0.2	0.04	4.3	4.3	0.95	0.24
0.25	0.02	3.4	3.4	0.54	0.31
0.3	0.02	2.1	2.1	1.12	0.45
0.35	0.03	3.1	3.1	0.89	0.14
0.4	0.02	2.2	2.2	1.1	0.32
0.45	0.02	1.6	1.6	1.17	0.28
0.5	0.01	1.8	1.8	0.56	0.21
0.55	0.01	1.1	1.1	0.99	0.08
0.6	0.03	1.1	1.1	2.59	-0.04
0.65	0.01	1.5	1.5	0.66	0.05
0.7	0.03	1.6	1.6	1.85	0.34
0.75	0.02	1.5	1.5	1.49	0.02
0.8	0.03	2	2	1.48	0.48
0.85	0.03	1.9	1.9	1.62	0.29
0.9	0.01	1.5	1.5	0.99	0.24
0.95	0.02	2.1	2.1	0.8	0.45
1	0.02	1.4	1.4	1.35	0.01
1.05	0.01	1.4	1.4	0.44	0.01
1.1	0.02	1.4	1.4	1.39	0.01
1.15	0.02	0.4	0.4	4.69	-0.27
1.2	0.03	0.8	0.8	3.79	0.11
1.25	0.02	0.9	0.9	1.85	0.12
1.3	0.04	2.4	2.4	1.64	0.59
1.35	0.04	1.3	1.3	3.37	-0.1
1.4	0.03	2.3	2.3	1.46	0.57
1.45	0.17	1.2	1.2	14.9	0.23
1.5	0.48	7.9	7.9	6.09	-0.06
1.55	0.91	30.2	30.2	3.03	0.32
1.6	1.38	32.5	32.5	4.24	0.71
1.65	1.64	33.2	33.3	4.94	1.64
1.7	1.73	31.2	31.2	5.54	1.91
1.75	1.68	27.7	27.8	6.05	1.76
1.8	1.49	25.3	25.3	5.88	1.76
1.85	1.36	25.6	25.6	5.33	2.34
1.9	1.27	24.6	24.7	5.14	1.6
1.95	1.29	25.3	25.3	5.11	1.82
2	1.47	26.1	26.1	5.63	1.83
2.05	1.53	27.7	27.7	5.54	1.7
2.1	1.49	29.5	29.5	5.06	2.31
2.15	1.29	25.1	25.1	5.14	1.51
2.2	1.44	26.1	26.1	5.53	1.96

2.25	1.8	40.1	40.2	4.48	2.04
2.3	2.45	51	51	4.79	2.03
2.35	2.58	43.3	43.3	5.96	1.51
2.4	2.35	36.8	36.8	6.4	2.07
2.45	1.73	34.1	34.2	5.08	2.1
2.5	1.42	28.1	28.1	5.06	1.94
2.55	1.21	26.1	26.1	4.64	2.22
2.6	1.02	23.7	23.7	4.3	1.94
2.65	1.09	23.1	23.2	4.7	2
2.7	1.11	26.2	26.2	4.23	2.16
2.75	1.11	31.6	31.6	3.52	2.22
2.8	1	24.8	24.8	4.02	1.97
2.85	0.91	20.2	20.2	4.49	2.22
2.9	0.96	20.1	20.1	4.75	2.17
2.95	0.85	20.2	20.2	4.19	2.05
3	0.87	20.3	20.3	4.28	2.27
3.05	0.83	19.7	19.7	4.21	1.96
3.1	0.94	20.9	20.9	4.47	2.18
3.15	0.92	22.7	22.7	4.07	2.1
3.2	1.05	25.3	25.3	4.14	2.23
3.25	0.94	29.2	29.3	3.2	2.29
3.3	1.05	30.2	30.2	3.49	2.52
3.35	1.23	33.7	33.7	3.65	2.6
3.4	1.72	45.9	46	3.75	2.48
3.45	2.69	134.6	134.7	2	2.79
3.5	4.37	152.3	152.3	2.87	2.41
3.55	5.55	164.8	164.9	3.37	2.63
3.6	5.51	173.7	173.8	3.17	2.8
3.65	4.82	221.1	221.1	2.18	2.89
3.7	3.84	220.1	220.2	1.74	2.8
3.75	3.36	209.7	209.7	1.6	2.7
3.8	3.73	157.8	157.8	2.36	2.59
3.85	4.39	136.5	136.6	3.21	2.44
3.9	4.54	185.9	185.9	2.44	2.98
3.95	4.37	224.9	225	1.94	3.03
4	4.4	236	236	1.87	3.41
4.05	5.39	188.2	188.3	2.86	3.1
4.1	6.06	167	167.1	3.62	3.37
4.15	6.01	137.4	137.5	4.37	3.41
4.2	5.42	185.4	185.5	2.92	3.52
4.25	4.79	210.6	210.7	2.27	3.53
4.3	3.92	205.9	206	1.9	3.42
4.35	4.12	212.8	212.9	1.94	3.97
4.4	5.09	187.8	187.8	2.71	3.52
4.45	5.91	139.8	139.9	4.22	3.69
4.5	5.43	97.1	97.1	5.59	3.69
4.55	5	182.9	183	2.73	4.45

4.6	5.1	226.2	226.2	2.25	4.04
4.65	5.85	221.4	221.4	2.64	3.61
4.7	5.53	193.5	193.6	2.86	3.89
4.75	4.61	164.6	164.7	2.8	3.7
4.8	4.2	142.4	142.5	2.95	3.63
4.85	3.98	100.8	100.8	3.95	3.3
4.9	3.55	53.1	53.2	6.68	3.74
4.95	2.46	34.5	34.6	7.13	3.82
5	1.67	30.7	30.8	5.42	4.18
5.05	1.46	32.6	32.6	4.48	4.45
5.1	1.45	37	37.1	3.91	4.13
5.15	1.36	38.3	38.4	3.55	4.36
5.2	1.35	37.3	37.3	3.6	4.21
5.25	1.51	42.9	43	3.5	4.39
5.3	1.77	49.7	49.7	3.56	4.25
5.35	2.08	56.1	56.1	3.7	4.44
5.4	2.42	54.4	54.5	4.45	4.5
5.45	2.34	55.9	55.9	4.19	4.48
5.5	2.52	65	65.1	3.88	4.85
5.55	2.63	66.8	66.8	3.93	5.02
5.6	2.76	65.4	65.5	4.21	5.24
5.65	3.16	80.9	81	3.91	4.97
5.7	3.69	98.3	98.3	3.75	5.13
5.75	4.27	104	104.1	4.1	5.39
5.8	4.61	106.6	106.7	4.32	5.41
5.85	4.67	110.5	110.5	4.23	5.22
5.9	5.15	113.4	113.4	4.54	5.37
5.95	5.34	102.2	102.3	5.23	5.36
6	5.35	78.4	78.5	6.82	5.16
6.05	4.64	55.7	55.8	8.31	4.95
6.1	3.46	45	45	7.69	5.02
6.15	2.51	38.6	38.7	6.5	5.03
6.2	2.12	38.4	38.5	5.52	4.97
6.25	2.09	41.4	41.5	5.03	5.18
6.3	2.1	42.6	42.6	4.93	5.12
6.35	1.88	43.2	43.2	4.34	5.23
6.4	2.1	44.9	45	4.66	4.86
6.45	2.24	47.9	47.9	4.66	5.13
6.5	2.47	59.5	59.6	4.14	5.12
6.55	2.53	63.4	63.5	3.99	5.13
6.6	2.57	57.8	57.9	4.44	4.69
6.65	2.5	52.7	52.8	4.73	5.03
6.7	1.97	41.5	41.6	4.74	4.65
6.75	1.62	35.3	35.4	4.59	4.56
6.8	1.36	36	36	3.76	4.79
6.85	1.33	37	37.1	3.59	4.87
6.9	1.35	35.7	35.7	3.77	4.99

6.95	1.35	33.3	33.4	4.03	4.7
7	1.27	32.9	33	3.84	4.93
7.05	1.27	32.6	32.7	3.89	4.66
7.1	1.26	36.1	36.2	3.48	4.9
7.15	1.46	41	41.1	3.55	5.01
7.2	1.71	44.9	45	3.8	4.74
7.25	2.05	51.2	51.3	3.99	4.9
7.3	2.52	59.8	59.9	4.2	4.92
7.35	3.01	62.2	62.3	4.83	4.62
7.4	3.4	62.6	62.7	5.42	4.72
7.45	3.56	62.1	62.2	5.73	4.55
7.5	3.57	62.2	62.3	5.72	4.64
7.55	3.38	62.6	62.7	5.4	5.2
7.6	3.28	60.6	60.7	5.41	4.94
7.65	3.13	60.1	60.2	5.2	5.09
7.7	3.07	59.4	59.5	5.16	4.83
7.75	3.03	59.6	59.7	5.07	4.84
7.8	3	59.6	59.6	5.04	4.67
7.85	3.05	61	61.1	5	4.93
7.9	3.37	65.3	65.4	5.16	4.82
7.95	3.19	69.3	69.3	4.61	4.95
8	2.65	58.7	58.8	4.52	4.7
8.05	2.22	52.2	52.2	4.25	4.94
8.1	2.13	53.1	53.2	4	5.12
8.15	2.23	52	52.1	4.28	4.77
8.2	2.32	52.6	52.7	4.4	4.91
8.25	2.34	50.7	50.8	4.6	5.12
8.3	2.09	50.1	50.1	4.17	4.9
8.35	2.64	47.7	47.8	5.52	4.76
8.4	2.47	45.2	45.3	5.45	4.89
8.45	2.52	47.9	47.9	5.27	4.7
8.5	2.71	49	49.1	5.52	4.68
8.55	3.02	53.4	53.5	5.64	5.13
8.6	3.47	56	56	6.19	4.62
8.65	3.86	60.5	60.6	6.37	5.06
8.7	4.4	63.6	63.7	6.91	4.83
8.75	4.39	64.6	64.7	6.78	4.83
8.8	4.14	58.9	59	7.03	4.86
8.85	3.94	57.2	57.2	6.89	4.63
8.9	4.01	72	72.1	5.56	4.69
8.95	3.76	67.6	67.6	5.56	4.91
9	4.12	88.3	88.4	4.66	5.06
9.05	5.47	156.7	156.8	3.49	5.01
9.1	7.04	202.7	202.8	3.47	4.71
9.15	8.38	204.7	204.8	4.09	4.76
9.2	9.03	216.6	216.6	4.17	4.72
9.25	9.17	240.6	240.7	3.81	5.52

9.3	8.24	243.3	243.4	3.38	5.12
9.35	6.55	228	228.1	2.87	5.47
9.4	5.57	217.9	217.9	2.55	4.57
9.45	4.91	204.7	204.8	2.4	5.08
9.5	4.49	197.6	197.7	2.27	5.03
9.55	4.51	189.8	189.8	2.38	4.57
9.6	5.03	180	180.1	2.79	4.97
9.65	6.18	186.1	186.2	3.32	4.57
9.7	7.62	203.3	203.3	3.75	4.99
9.75	9.32	229.9	230	4.05	5.1
9.8	9.55	250.9	250.9	3.8	5.34
9.85	9.23	243.1	243.1	3.8	5.19
9.9	9.39	296.1	296.2	3.17	5.22
9.95	9.9	264.4	264.5	3.74	5.81
10	9.25	255.9	255.9	3.62	5.57
10.05	9.17	247.4	247.5	3.71	5.68
10.1	9.18	246.5	246.6	3.72	5.57
10.15	9.39	222.5	222.6	4.22	5.97
10.2	10.05	214.3	214.4	4.69	5.55
10.25	7.33	198.1	198.2	3.7	5.87
10.3	8.75	160.4	160.5	5.45	5.76
10.35	8.86	185.6	185.7	4.77	5.46
10.4	8.43	212.3	212.4	3.97	5.75
10.45	8.39	251.7	251.8	3.33	5.16
10.5	8.61	225	225	3.83	5.33
10.55	8.29	226.2	226.3	3.66	5.38
10.6	7.67	206.3	206.4	3.71	5.47
10.65	6.18	187.2	187.3	3.3	5.29
10.7	6.61	197.8	197.9	3.34	5.49
10.75	6.74	211.5	211.6	3.19	5.3
10.8	7.72	204.2	204.3	3.78	5.56
10.85	6.91	219.9	220	3.14	5.47
10.9	8.41	207.5	207.6	4.05	5.75
10.95	9.46	255.7	255.8	3.7	5.46
11	9.2	175.7	175.7	5.24	5.45
11.05	8.2	175.1	175.2	4.68	6.12
11.1	7.1	228.2	228.3	3.11	6.21
11.15	5.77	252	252.1	2.29	5.95
11.2	6.14	229.7	229.7	2.67	5.96
11.25	7.6	300.3	300.4	2.53	5.48
11.3	8.41	281.7	281.8	2.99	6.04
11.35	8.97	262.9	263	3.41	5.75
11.4	8.9	225	225.1	3.96	5.76
11.45	8.76	190	190.1	4.61	6.05
11.5	7.01	180.5	180.5	3.88	6.46
11.55	6.46	161.5	161.6	4	6.16
11.6	6.19	150.6	150.7	4.11	5.38

11.65	6.3	125.9	126	5	5.85
11.7	6.33	104.1	104.2	6.08	6.22
11.75	6.07	106.4	106.4	5.71	6.23
11.8	6.59	176.6	176.6	3.73	6.29
11.85	7.6	253.2	253.3	3	6.1
11.9	9.46	308.8	308.9	3.06	6.23
11.95	6.82	328.3	328.4	2.08	5.88
12	7.79	285.4	285.5	2.73	6.32
12.05	9.41	282.3	282.3	3.33	5.07
12.1	11.23	273.2	273.3	4.11	5.44
12.15	7.77	258.2	258.2	3.01	5.75
12.2	8.38	283.8	283.9	2.95	5.57
12.25	9.5	313.3	313.3	3.03	5.36
12.3	10.6	327	327.1	3.24	5.44
12.35	6.92	325.5	325.5	2.13	5.05
12.4	8.18	283.5	283.6	2.88	5.32
12.45	7.98	285.5	285.6	2.79	5.19
12.5	7.74	268.7	268.8	2.88	5.56
12.55	7.33	280.5	280.6	2.61	5.05
12.6	8.07	333	333	2.42	5.13
12.65	8.34	345.8	345.9	2.41	5.05
12.7	9.37	375.8	375.9	2.49	5.44
12.75	8.93	374	374	2.39	2.92
12.8	8.05	333.2	333.2	2.42	2.38
12.85	7.89	302.2	302.2	2.61	2.58
12.9	9.13	281.5	281.5	3.24	2.79
12.95	9.69	223.4	223.4	4.34	2.65
13	9.48	199.7	199.8	4.75	2.87
13.05	7.77	211.3	211.4	3.67	3.18
13.1	6.44	235.3	235.3	2.74	2.82
13.15	4.53	234	234.1	1.93	2.77
13.2	3.64	224.6	224.6	1.62	2.71
13.25	3.14	219.9	220	1.43	2.58
13.3	2.89	221.9	221.9	1.3	2.58
13.35	2.94	212.6	212.6	1.38	2.48
13.4	3.16	203.7	203.7	1.55	2.61
13.45	3.29	212.9	212.9	1.55	2.39
13.5	3.6	217.1	217.2	1.66	2.77
13.55	3.89	212.8	212.9	1.83	2.52
13.6	4.24	222.4	222.4	1.91	2.8
13.65	5.13	237.6	237.7	2.16	2.94
13.7	5.51	236.5	236.5	2.33	2.47
13.75	5.27	249.1	249.2	2.12	2.6
13.8	5.66	278.3	278.4	2.03	2.72
13.85	6.09	308.1	308.2	1.98	2.57
13.9	7.24	312.1	312.2	2.32	2.71
13.95	8.74	301.4	301.5	2.9	2.6

14	9.42	290.9	291	3.24	2.79
14.05	10.24	303.6	303.7	3.37	3
14.1	9.59	360.3	360.4	2.66	2.57
14.15	6.21	341.4	341.4	1.82	2.83
14.2	6.31	310.1	310.2	2.03	2.47
14.25	6.44	283.2	283.2	2.27	-3.73
14.3	7.42	297.9	297.9	2.49	-3.42
14.35	8.59	299.7	299.7	2.87	-3.12
14.4	9.1	293.7	293.7	3.1	-3.19
14.45	7.57	258.5	258.4	2.93	-3.17
14.5	6.9	215.7	215.7	3.2	-3.31
14.55	5.56	126.9	126.8	4.38	-4.17
14.6	3.84	58.2	58.1	6.62	-4.98
14.65	2.28	40.3	40.2	5.68	-4.83
14.7	1.34	31.2	31.2	4.29	-4.78
14.75	1.17	31.1	31	3.76	-4.43
14.8	1	31.2	31.1	3.23	-4.46
14.85	1	31.7	31.6	3.18	-4.09
14.9	1.15	32.4	32.4	3.55	-4.41
14.95	1.32	35.1	35	3.78	-4.42
15	1.73	45.3	45.2	3.82	-4.46
15.05	2.11	54.6	54.5	3.87	-4.44
15.1	3.17	55.7	55.7	5.7	-4.52
15.15	4.26	105.3	105.3	4.05	-3.79
15.2	5.38	121	120.9	4.45	-4.45
15.25	5.33	97.6	97.5	5.46	-3.94
15.3	3.95	75	74.9	5.27	-4.03
15.35	2.49	54.5	54.4	4.58	-4.41
15.4	2.46	58.7	58.6	4.2	-4.1
15.45	2.49	72.5	72.4	3.44	-4.16
15.5	2.23	51.7	51.6	4.32	-4.01
15.55	1.75	34.5	34.4	5.08	-4.44
15.6	1.17	32.4	32.4	3.6	-3.48
15.65	1.03	29.2	29.1	3.54	-4.41
15.7	1.06	30.7	30.6	3.47	-3.94
15.75	1.17	36.2	36.2	3.23	-3.82
15.8	1.17	43.6	43.6	2.68	-3.37
15.85	1.39	44.6	44.5	3.13	-4.04
15.9	1.58	42.3	42.3	3.75	-4.39
15.95	4.25	97.6	97.5	4.36	-4.53
16	4.7	200.8	200.7	2.34	-4.39
16.05	4.66	119.1	119.1	3.91	-4.58
16.1	4.34	80.7	80.7	5.38	-4.26
16.15	2.91	66.9	66.8	4.36	-4.36
16.2	2.72	46	45.9	5.94	-4.79
16.25	2.38	60.3	60.3	3.94	-4.81
16.3	2.79	77.4	77.3	3.61	-4.53

16.35	3.89	120.5	120.5	3.23	-4.59
16.4	4.03	115.5	115.5	3.49	-4.5
16.45	3.58	102.7	102.7	3.49	-4.35
16.5	2.84	171.2	171.1	1.66	-4.22
16.55	2.99	203.2	203.2	1.47	-4.62
16.6	2.79	125.4	125.4	2.22	-5.17
16.65	2.4	72.7	72.7	3.31	-4.29
16.7	2.01	50.1	50.1	4	-3.78
16.75	1.35	45.7	45.7	2.96	-4.94
16.8	1.32	44.2	44.2	3	-4.92
16.85	1.31	45.8	45.8	2.86	-4.83
16.9	1.56	51.1	51	3.05	-4.4
16.95	2.28	51	50.9	4.48	-4.57
17	3.51	84	83.9	4.18	-4.89
17.05	4.08	118.4	118.3	3.45	-4.84
17.1	3.78	79.4	79.3	4.77	-3.79
17.15	3.39	68.3	68.2	4.98	-4.81
17.2	3.69	89.1	89.1	4.14	-4.13
17.25	3.36	82.5	82.4	4.08	-4.77
17.3	2.94	67.2	67.1	4.38	-4.07
17.35	2.26	55.1	55.1	4.1	-4.7
17.4	1.85	47.7	47.6	3.88	-3.65
17.45	1.58	39.9	39.9	3.96	-4.19
17.5	1.34	35.2	35.2	3.8	-3.66
17.55	1.23	30.9	30.8	3.99	-4.5
17.6	1.15	30.2	30.1	3.81	-4.78
17.65	1.19	30.3	30.2	3.93	-4.85
17.7	1.18	31.2	31.1	3.8	-4.52
17.75	1.21	35.4	35.3	3.43	-3.96
17.8	1.3	38.2	38.1	3.41	-3.99
17.85	1.21	34.1	34	3.56	-4.6
17.9	1.13	30.9	30.8	3.68	-3.44
17.95	1.12	26.6	26.6	4.23	-4.64
18	1.02	25.3	25.2	4.03	-4.74
18.05	0.95	25.6	25.5	3.72	-3.89
18.1	0.96	26.3	26.3	3.66	-3.83
18.15	1.06	27.9	27.8	3.8	-4.57
18.2	1.15	30.2	30.2	3.81	-4.83
18.25	1.25	32.8	32.7	3.83	-4.81
18.3	1.31	36	35.9	3.65	-4.61
18.35	1.3	30.5	30.5	4.26	-5.03
18.4	1.24	30.2	30.2	4.11	-4.96
18.45	1.26	34.8	34.7	3.62	-3.71
18.5	1.28	33.2	33.1	3.87	-4.91
18.55	1.34	35.9	35.8	3.73	-3.51
18.6	1.24	33.2	33.1	3.73	-4.81
18.65	1.2	33.3	33.2	3.62	-3.87

18.7	1.22	32.2	32.1	3.81	-4.51
18.75	1.13	32.8	32.8	3.45	-4.72
18.8	1.19	37	36.9	3.21	-3.96
18.85	1.28	37.6	37.6	3.4	-5.09
18.9	1.43	43.1	43	3.33	-4.47
18.95	1.53	46.5	46.4	3.3	-3.93
19	1.64	40.8	40.8	4.03	-4.1
19.05	1.65	41.9	41.9	3.93	-4.87
19.1	1.56	44.9	44.8	3.49	-4.74
19.15	1.56	44.1	44	3.53	-3.53
19.2	1.7	44.1	44	3.87	-3.56
19.25	2.08	55.1	55.1	3.78	-4.67
19.3	2.36	71.1	71.1	3.32	-4.08
19.35	2.58	84.3	84.3	3.06	-4.27
19.4	2.78	79.9	79.8	3.49	-4.87
19.45	2.46	68.2	68.2	3.61	-4.73
19.5	1.89	48	47.9	3.95	-4.61
19.55	1.77	43.4	43.3	4.09	-4.32
19.6	1.82	52.2	52.2	3.48	-4.02
19.65	1.98	57.9	57.9	3.43	-3.76
19.7	1.93	45.1	45	4.29	-4.29
19.75	1.74	37.9	37.9	4.61	-4.57
19.8	1.2	39.2	39.1	3.07	-4.3
19.85	1.19	37.9	37.9	3.14	-4.31
19.9	1.09	32.7	32.6	3.34	-4.5
19.95	1.11	33.9	33.8	3.3	-4.43
20	1.13	37.6	37.5	3.01	-4.42
20.05	1.24	40.7	40.7	3.06	-3.71
20.1	1.35	40.4	40.3	3.34	-4.36
20.15	1.33	41.5	41.4	3.22	-3.83
20.2	1.39	43.4	43.4	3.2	-4.26
20.25	1.52	47.6	47.5	3.19	-3.92
20.3	1.78	54.4	54.3	3.28	-4.43
20.35	2.15	65	65	3.31	-4.44
20.4	2.27	66.9	66.8	3.4	-3.88
20.45	2.31	64.3	64.3	3.59	-4.08
20.5	2.19	60.1	60.1	3.65	-4.3
20.55	2.12	59.2	59.2	3.58	-3.81
20.6	2.11	57.4	57.4	3.68	-4.02
20.65	2.13	55.6	55.5	3.84	-4.56
20.7	2.18	56.1	56	3.88	-4.28
20.75	2.2	58.2	58.1	3.79	-3.68
20.8	2.27	57.4	57.3	3.96	-4.11
20.85	2	54.8	54.7	3.66	-4.1
20.9	2	52.3	52.3	3.83	-4.22
20.95	2.07	50	49.9	4.14	-4
21	2.3	49.9	49.9	4.61	-4.2

21.05	2.44	53.2	53.2	4.6	-4.13
21.1	2.44	56.5	56.5	4.31	-3.95
21.15	2.4	56.8	56.7	4.24	-4.03
21.2	2.37	58.7	58.7	4.04	-4.1
21.25	2.43	58.5	58.4	4.17	-4.15
21.3	2.51	59.2	59.1	4.25	-3.89
21.35	2.46	58.5	58.4	4.21	-4.21
21.4	2.54	60.3	60.3	4.22	-3.94
21.45	2.55	61	61	4.18	-4.16
21.5	2.48	60.8	60.8	4.08	-4.2
21.55	2.44	62	61.9	3.93	-3.99
21.6	2.49	64.1	64	3.89	-3.93
21.65	2.45	64.9	64.8	3.77	-3.97
21.7	2.64	64.9	64.9	4.07	-4.16
21.75	2.19	64.7	64.6	3.38	-3.83
21.8	2.33	63.9	63.8	3.66	-3.96
21.85	2.32	62.1	62	3.75	-3.9
21.9	2.3	62.5	62.4	3.69	-3.9
21.95	2.21	59.4	59.4	3.73	-3.83
22	2.12	59.6	59.6	3.55	-3.49
22.05	2.15	57.6	57.6	3.73	-4.05
22.1	2.68	61.1	61	4.39	-4.13
22.15	2.93	83.5	83.5	3.5	-3.97
22.2	2.7	63.9	63.9	4.22	-3.74
22.25	2.41	58	58	4.15	-3.79
22.3	2.1	55.8	55.8	3.76	-3.86
22.35	1.92	53.9	53.8	3.56	-4.1
22.4	1.96	52.5	52.4	3.74	-3.96
22.45	1.95	49.5	49.4	3.93	-3.77
22.5	2.01	51.3	51.2	3.92	-3.83
22.55	2	52.3	52.2	3.83	-3.82
22.6	1.96	52	51.9	3.77	-3.82
22.65	1.95	54.1	54	3.61	-3.46
22.7	1.86	56.4	56.4	3.29	-3.57
22.75	1.58	58.7	58.7	2.69	-3.69
22.8	0	59	59	0	-3.55
22.85	0	44	44	0	-3.8

Depth (m)	Sleeve (tsf)	Tip(unc) (tsf)	Tip(cor) (tsf)	F. Ratio (%)	U (psi)
0.05	0	5.4	5.4	0	0.07
0.1	0.22	7	7	3.18	0.5
0.15	0.22	6.7	6.7	3.34	0.33
0.2	0.22	4.5	4.5	4.91	0.24
0.25	0.19	4.4	4.4	4.33	-0.07
0.3	0.14	5.1	5.1	2.7	0.37
0.35	0.1	3.5	3.5	2.74	0.11
0.4	0.05	1.1	1.1	4.45	-0.03
0.45	0.03	0.6	0.6	5.13	0.15
0.5	0.01	1	1	1.44	0.23
0.55	0.03	1.1	1.1	2.56	0.27
0.6	0.03	0.4	0.4	8.4	-0.21
0.65	0.01	1.2	1.2	1.2	0.35
0.7	0.02	1.4	1.4	1.37	0.48
0.75	0.01	0.6	0.6	2.1	-0.17
0.8	0.02	0.9	0.9	2	0.09
0.85	0.01	0.4	0.4	2.13	-0.1
0.9	0.02	0.6	0.6	3.61	0.11
0.95	0.02	0	0	97.34	-0.29
1	0.03	0.7	0.7	4.18	0.1
1.05	0.02	0.8	0.8	1.83	0.2
1.1	0.02	1.2	1.2	1.75	0.37
1.15	0.02	0.7	0.7	2.65	0.17
1.2	0.03	1.2	1.2	2.32	0.33
1.25	0.02	1.2	1.2	2.03	0.1
1.3	0.03	2	2	1.36	0.31
1.35	0.03	2	2	1.71	-0.21
1.4	0.05	3.7	3.7	1.31	0.04
1.45	0.17	8.9	8.9	1.9	-0.02
1.5	0.19	15.8	15.8	1.22	-0.08
1.55	0.23	27	27	0.84	0.69
1.6	0.25	41.4	41.4	0.6	0.55
1.65	0.25	51.2	51.2	0.49	0.19
1.7	0.37	57.2	57.2	0.65	0.24
1.75	0.6	75.8	75.8	0.79	0.55
1.8	0.66	94.6	94.6	0.69	0.54
1.85	0.65	93.6	93.6	0.69	1.22
1.9	0.39	88.4	88.4	0.44	1.11
1.95	0.41	73.6	73.6	0.55	1.07
2	0.69	45.5	45.5	1.51	1.08
2.05	0.83	27.1	27.1	3.08	1.25
2.1	0.65	17.8	17.8	3.64	0.8
2.15	0.55	13.4	13.4	4.08	1.23
2.2	0.57	12.9	12.9	4.42	1.12

2.25	0.58	15.2	15.2	3.8	1.13
2.3	0.58	23.6	23.6	2.45	1.21
2.35	0.47	17.5	17.5	2.67	1.02
2.4	0.37	14.3	14.4	2.57	1.03
2.45	0.4	12.4	12.4	3.21	0.95
2.5	0.42	12.8	12.8	3.29	0.95
2.55	0.44	11	11	3.99	1.22
2.6	0.53	10.2	10.2	5.17	0.95
2.65	0.78	16.2	16.2	4.83	1.1
2.7	1.13	34.9	35	3.23	1.27
2.75	1.43	61.5	61.5	2.33	0.92
2.8	1.71	51.6	51.6	3.32	0.8
2.85	1.46	34.6	34.6	4.22	0.97
2.9	0.97	23.3	23.3	4.18	1.39
2.95	0.69	15.1	15.1	4.58	1.17
3	0.66	13.8	13.8	4.78	1.15
3.05	0.68	14.3	14.3	4.78	1.25
3.1	0.75	14.9	14.9	5.02	0.93
3.15	0.76	14.3	14.3	5.29	0.92
3.2	0.77	14.4	14.5	5.34	1.07
3.25	0.78	14.1	14.1	5.52	1.17
3.3	0.8	14.2	14.2	5.65	1.41
3.35	0.74	13.7	13.8	5.38	1.22
3.4	0.66	14.3	14.3	4.64	1.29
3.45	0.69	15.5	15.5	4.42	1.17
3.5	0.73	16.7	16.7	4.38	1.13
3.55	0.85	17.8	17.9	4.76	1.51
3.6	0.94	18.9	18.9	4.97	1.25
3.65	0.98	21.5	21.6	4.55	1
3.7	0.97	22.7	22.7	4.26	1.17
3.75	0.95	23	23	4.15	1.21
3.8	0.98	24.3	24.3	4.01	1.66
3.85	1.08	24.6	24.6	4.37	1.44
3.9	1.16	25.1	25.1	4.61	1.27
3.95	1.2	26.9	26.9	4.45	1.43
4	1.24	28.5	28.6	4.34	1.23
4.05	1.22	29.3	29.3	4.16	1.35
4.1	1.27	27.7	27.8	4.57	1.44
4.15	1.17	24.4	24.4	4.81	1.37
4.2	1.13	23.3	23.3	4.86	1.36
4.25	0.98	21.1	21.1	4.63	1.18
4.3	0.81	19.8	19.8	4.07	1.55
4.35	0.7	18.2	18.2	3.84	1.48
4.4	0.7	18.4	18.5	3.78	1.19
4.45	0.73	22.9	22.9	3.17	1.32
4.5	0.82	27.9	27.9	2.94	1.61
4.55	0.96	28.4	28.4	3.39	1.53

4.6	1.12	27.7	27.7	4.03	1.72
4.65	1.23	29.5	29.5	4.16	1.61
4.7	1.4	34.4	34.4	4.07	1.76
4.75	1.53	39.6	39.6	3.86	1.49
4.8	1.61	42.3	42.3	3.81	1.59
4.85	1.73	41.3	41.3	4.19	1.59
4.9	1.81	40.3	40.4	4.5	1.48
4.95	1.82	40.6	40.6	4.48	1.53
5	1.97	42.1	42.1	4.67	1.73
5.05	2.06	44.5	44.6	4.63	2
5.1	2.2	44.1	44.2	4.99	1.73
5.15	2.22	43.7	43.8	5.07	1.66
5.2	2.15	41.3	41.4	5.2	1.69
5.25	2.03	40.1	40.1	5.05	1.76
5.3	1.99	37.9	37.9	5.24	1.81
5.35	1.93	37.3	37.3	5.18	1.68
5.4	1.84	35.5	35.6	5.16	1.76
5.45	1.68	33	33	5.08	1.73
5.5	1.44	31	31.1	4.62	2.07
5.55	1.33	29.2	29.2	4.54	2.03
5.6	1.36	28.5	28.5	4.76	1.89
5.65	1.26	28.7	28.7	4.4	1.95
5.7	1.25	27	27.1	4.62	1.77
5.75	1.18	27.5	27.6	4.29	1.9
5.8	1.08	27.4	27.4	3.93	1.94
5.85	1.04	26.2	26.2	3.95	1.79
5.9	1.07	26.6	26.7	4.03	1.86
5.95	1.1	28.1	28.1	3.93	1.77
6	1.46	31.1	31.1	4.69	2.38
6.05	1.34	38.2	38.2	3.5	2.21
6.1	1.28	34.1	34.1	3.76	2.02
6.15	1.3	37.3	37.3	3.49	2.25
6.2	1.44	40.3	40.3	3.58	1.92
6.25	1.74	46.9	46.9	3.72	1.96
6.3	2.04	55.3	55.3	3.7	2.24
6.35	2.13	59.9	60	3.55	2.31
6.4	1.72	51.7	51.7	3.33	2.22
6.45	1.58	39.8	39.8	3.97	2.26
6.5	1.44	31.5	31.5	4.58	2.24
6.55	1.28	27.8	27.8	4.6	2.15
6.6	1.18	28.1	28.1	4.21	2.67
6.65	1.09	28.8	28.9	3.76	2.17
6.7	1.15	29.5	29.5	3.89	2.38
6.75	1.21	29.1	29.1	4.15	2.24
6.8	1.2	28	28	4.27	2.08
6.85	1.16	26.8	26.8	4.31	2.18
6.9	1.08	26.6	26.7	4.05	2.42

6.95	1.02	26.9	26.9	3.79	2.35
7	1.14	28.3	28.3	4.03	2.38
7.05	1.2	27.7	27.7	4.33	2.16
7.1	1.25	30.7	30.7	4.08	2.3
7.15	1.18	30.6	30.7	3.84	2.17
7.2	1.08	28	28.1	3.86	2.17
7.25	0.91	26.9	26.9	3.38	2.35
7.3	0.89	26.2	26.2	3.38	2.84
7.35	0.87	25.1	25.1	3.45	2.39
7.4	0.92	24.2	24.2	3.78	2.53
7.45	0.88	22.4	22.4	3.92	2.08
7.5	0.89	24.5	24.5	3.62	2.61
7.55	0.99	28.4	28.5	3.48	2.38
7.6	1.24	33.9	34	3.65	2.29
7.65	1.5	42.1	42.1	3.57	2.53
7.7	1.8	45.7	45.7	3.94	2.39
7.75	2.09	47.1	47.1	4.44	2.45
7.8	2.25	47	47	4.78	2.5
7.85	2.33	45.9	45.9	5.08	2.52
7.9	2.19	43.9	44	4.97	2.79
7.95	1.98	45.3	45.3	4.37	2.33
8	1.98	47.4	47.4	4.17	2.26
8.05	2.06	47.9	48	4.29	2.65
8.1	2.22	47.7	47.8	4.65	2.73
8.15	2.36	47.9	48	4.92	2.65
8.2	2.38	46.9	46.9	5.08	2.72
8.25	2.32	45	45	5.15	2.9
8.3	2.23	42.9	42.9	5.19	2.46
8.35	2.24	42.3	42.3	5.29	2.7
8.4	2.23	43.6	43.7	5.11	2.55
8.45	2.27	43.8	43.9	5.17	2.66
8.5	2.29	43.6	43.7	5.24	2.8
8.55	2.27	44.4	44.5	5.1	2.75
8.6	2.29	45.4	45.4	5.03	2.67
8.65	2.35	48.5	48.5	4.84	2.82
8.7	2.48	51.1	51.1	4.85	2.82
8.75	2.52	53.4	53.4	4.72	2.75
8.8	2.66	54.1	54.1	4.92	2.79
8.85	2.9	54.5	54.6	5.31	2.82
8.9	3.12	54.7	54.8	5.7	2.88
8.95	3.16	55.2	55.2	5.73	2.82
9	3.12	56.2	56.2	5.55	2.77
9.05	3.01	57.5	57.6	5.23	2.96
9.1	3.05	58.2	58.3	5.24	2.91
9.15	3.2	57.3	57.3	5.58	2.95
9.2	3.25	56.1	56.2	5.78	2.99
9.25	3.07	54.8	54.8	5.6	3.01

9.3	2.67	51.8	51.8	5.15	2.65
9.35	2.39	48	48.1	4.97	2.93
9.4	2.16	43.7	43.7	4.94	2.7
9.45	2.02	41.6	41.6	4.86	2.66
9.5	1.95	42.1	42.2	4.61	3.18
9.55	1.88	41.7	41.8	4.49	2.95
9.6	1.99	42.9	43	4.63	3.07
9.65	2.38	46.4	46.5	5.12	2.92
9.7	2.08	50.9	51	4.09	2.9
9.75	2.11	45.2	45.2	4.66	3.05
9.8	1.95	47.5	47.6	4.1	3.09
9.85	1.81	46.8	46.8	3.85	2.76
9.9	1.89	41.3	41.4	4.58	3.15
9.95	2.77	58	58	4.77	3.18
10	2.93	71.8	71.9	4.08	2.9
10.05	2.78	48.7	48.8	5.7	2.98
10.1	2.3	42.7	42.7	5.38	2.9
10.15	1.77	37.1	37.2	4.76	3.08
10.2	1.43	33.7	33.7	4.25	3.44
10.25	1.33	30.3	30.4	4.39	3.28
10.3	1.29	30.8	30.8	4.19	3.17
10.35	1.34	35	35.1	3.81	3.25
10.4	1.44	41.9	41.9	3.43	3.42
10.45	1.49	45.2	45.2	3.31	3.01
10.5	1.62	49.9	50	3.25	3.18
10.55	1.59	46.7	46.8	3.39	3.11
10.6	1.9	48.9	49	3.88	3.11
10.65	1.76	50.8	50.8	3.45	3.26
10.7	1.89	44.6	44.7	4.23	3.18
10.75	1.73	41.2	41.2	4.2	3.34
10.8	1.7	39.6	39.7	4.29	3.29
10.85	2.41	39.9	40	6.02	3.28
10.9	3.13	123.5	123.6	2.54	3.48
10.95	3.75	234.7	234.8	1.6	3.15
11	3.79	242.8	242.9	1.56	3.28
11.05	3.65	212.2	212.3	1.72	2.86
11.1	4.22	169.2	169.3	2.49	3.21
11.15	4.55	120.2	120.2	3.79	2.77
11.2	4.99	98	98.1	5.09	3.36
11.25	4.15	60.7	60.7	6.84	2.98
11.3	2.85	37.1	37.2	7.67	3.24
11.35	2.44	34.3	34.4	7.1	3.45
11.4	2.66	54.2	54.3	4.9	3.86
11.45	3.2	90.6	90.7	3.53	4.48
11.5	3.67	126.5	126.5	2.9	4.2
11.55	3.76	151.5	151.6	2.48	3.46
11.6	4.36	143.3	143.3	3.04	3.21

11.65	4.88	104.4	104.5	4.67	3.85
11.7	4.13	69.4	69.5	5.94	4.22
11.75	2.98	89.6	89.7	3.32	4.32
11.8	3.19	153.5	153.5	2.08	3.69
11.85	4.2	147.2	147.2	2.85	4.06
11.9	4.42	103.9	103.9	4.25	3.52
11.95	3.96	77.1	77.1	5.13	3.75
12	3.34	68.8	68.8	4.86	4.2
12.05	3.31	79.6	79.6	4.15	3.69
12.1	3.38	85.9	85.9	3.94	4.37
12.15	2.75	50.5	50.5	5.45	3.48
12.2	1.78	36.8	36.8	4.83	3.34
12.25	1.44	32.8	32.9	4.37	4.01
12.3	1.58	35.3	35.3	4.48	4.16
12.35	2.26	52.8	52.9	4.27	4.31
12.4	3.1	86.4	86.5	3.58	4.56
12.45	4.04	118.5	118.6	3.41	4.21
12.5	5.38	140.1	140.2	3.84	4.06
12.55	5.04	131.7	131.7	3.83	3.42
12.6	4.61	150.2	150.3	3.07	3.61
12.65	3.75	177.3	177.3	2.11	3.81
12.7	2.82	174.3	174.4	1.62	4.08
12.75	3	158.1	158.1	1.9	3.45
12.8	3.99	151.2	151.3	2.64	3.66
12.85	4.32	128.8	128.9	3.36	3.52
12.9	4.4	122.6	122.6	3.59	3.59
12.95	4.14	125.1	125.2	3.3	3.71
13	3.11	86.1	86.1	3.62	3.24
13.05	2.49	49.8	49.9	5	3.34
13.1	1.83	35.5	35.6	5.15	3.6
13.15	1.46	33	33.1	4.4	4.07
13.2	1.35	32.5	32.5	4.17	3.58
13.25	1.39	31.4	31.4	4.41	3.52
13.3	1.39	31	31.1	4.47	3.65
13.35	1.26	31.7	31.7	3.98	3.74
13.4	1.26	30.6	30.6	4.12	3.8
13.45	1.18	30	30	3.95	3.54
13.5	1.16	30.3	30.4	3.81	3.93
13.55	1.16	31.8	31.9	3.63	3.76
13.6	1.15	32.7	32.8	3.49	3.96
13.65	1.2	33	33.1	3.63	3.91
13.7	1.22	32.9	33	3.69	3.77
13.75	1.22	33.5	33.5	3.64	3.79
13.8	1.23	35.1	35.1	3.51	3.78
13.85	1.32	37.7	37.7	3.49	3.62
13.9	1.85	48.1	48.1	3.86	3.68
13.95	2.47	64.4	64.5	3.84	3.72

14	3.51	90.1	90.2	3.89	4.12
14.05	3.84	83.2	83.2	4.61	3.77
14.1	3.09	60.7	60.8	5.08	3.78
14.15	2.26	48.6	48.6	4.64	3.91
14.2	1.85	44.1	44.1	4.2	4.16
14.25	1.71	45.7	45.8	3.74	4.25
14.3	1.48	39.9	40	3.71	4.21
14.35	1.72	37.1	37.2	4.63	4.11
14.4	1.8	46	46.1	3.92	4.19
14.45	1.9	53.6	53.7	3.54	4.1
14.5	2.06	51.7	51.7	3.97	4.1
14.55	2	53.1	53.2	3.77	4.25
14.6	1.84	48.2	48.3	3.8	4.12
14.65	2.39	45.7	45.7	5.22	4.3
14.7	3.17	75.8	75.9	4.18	4.42
14.75	4.46	107.5	107.6	4.15	4.15
14.8	3.53	80.4	80.5	4.39	4.13
14.85	2.55	51.9	51.9	4.9	4.07
14.9	2.55	50.7	50.8	5.02	4.56
14.95	2.31	64.6	64.7	3.57	4.35
15	2.29	53.4	53.4	4.3	4.08
15.05	3.01	59.3	59.4	5.07	4.78
15.1	4.73	149.7	149.7	3.16	4.82
15.15	7.14	199.7	199.8	3.57	4.58
15.2	7.04	140	140.1	5.03	4.43
15.25	6.01	93.1	93.2	6.44	4.53
15.3	5.96	139.5	139.5	4.27	4.82
15.35	7.01	160.5	160.5	4.36	4.46
15.4	7.07	127.5	127.6	5.54	4.52
15.45	5.89	98.1	98.1	6	4.61
15.5	3.84	65.2	65.3	5.88	4.73
15.55	2.67	48.9	49	5.45	4.59
15.6	1.94	39.5	39.6	4.89	4.7
15.65	1.95	41	41.1	4.74	4.96
15.7	2.55	59.2	59.2	4.31	4.75
15.75	2.31	56.9	57	4.05	4.71
15.8	2.21	47.4	47.4	4.67	4.63
15.85	2.13	38.3	38.4	5.56	4.62
15.9	3.04	55.1	55.1	5.51	4.92
15.95	5.09	167.4	167.5	3.04	4.63
16	6.06	147.1	147.1	4.12	4.41
16.05	6	111.6	111.7	5.37	4.69
16.1	5.13	218.2	218.2	2.35	4.94
16.15	4.86	322.4	322.5	1.51	4.83
16.2	4.71	343.3	343.4	1.37	4.85
16.25	4.72	286.1	286.2	1.65	4.93
16.3	4.72	262.3	262.3	1.8	4.67

16.35	4.71	260.6	260.7	1.81	4.87
16.4	4.7	258.8	258.8	1.82	4.75
16.45	4.71	257.2	257.3	1.83	4.65
16.5	4.69	255.7	255.8	1.84	4.49
16.55	4.68	254.7	254.8	1.84	4.62
16.6	4.32	253.4	253.4	1.71	4.56
16.65	4.32	252.2	252.3	1.71	4.59
16.7	4.32	239.6	239.6	1.8	4.81
16.75	4.31	238.9	239	1.8	4.78
16.8	4.28	238.6	238.7	1.79	4.74
16.85	4.19	238.5	238.5	1.76	4.72
16.9	4.1	237.5	237.5	1.73	4.63
16.95	3.94	234.6	234.7	1.68	4.47
17	3.72	233.2	233.2	1.59	5.06
17.05	3.5	228.3	228.4	1.53	4.54
17.1	3.46	222.9	223	1.55	4.71
17.15	3.18	215.9	215.9	1.47	4.81
17.2	2.9	215	215.1	1.35	4.69
17.25	2.68	207.6	207.7	1.29	4.49
17.3	2.46	200.4	200.4	1.23	4.52
17.35	2.4	194.5	194.5	1.24	4.83
17.4	2.36	188.3	188.3	1.25	4.51
17.45	2.36	186.3	186.4	1.27	4.61
17.5	2.21	184.5	184.5	1.2	4.37
17.55	2.05	184.6	184.7	1.11	4.55
17.6	2.04	181.3	181.4	1.13	5.02
17.65	2	174	174.1	1.15	4.72
17.7	0	173.2	173.3	0	4.57

Depth (m)	Sleeve (tsf)	Tip(unc) (tsf)	Tip(cor) (tsf)	F. Ratio (%)	U (psi)
0.05	0	24.8	24.8	0	0.86
0.1	1.16	22.6	22.6	5.14	0.65
0.15	0.68	18.9	18.9	3.61	0.68
0.2	0.4	13.4	13.4	2.97	0.91
0.25	0.24	9.6	9.6	2.49	0.49
0.3	0.17	6.9	6.9	2.39	0.48
0.35	0.16	5.5	5.5	2.87	0.56
0.4	0.12	4.6	4.6	2.64	0.6
0.45	0.12	3.8	3.9	3	0.38
0.5	0.11	4.3	4.3	2.48	0.39
0.55	0.12	3.8	3.8	3.09	0.3
0.6	0.16	3.8	3.8	4.31	0.59
0.65	0.18	4.4	4.4	4.02	0.77
0.7	0.19	4.8	4.8	4	0.63
0.75	0.3	5.7	5.7	5.27	0.77
0.8	0.33	4.9	4.9	6.66	0.57
0.85	0.37	4.8	4.8	7.83	0.52
0.9	0.31	7	7	4.43	0.79
0.95	0.37	5.6	5.6	6.59	0.64
1	0.32	6.8	6.8	4.7	0.76
1.05	0.3	6.7	6.7	4.43	0.59
1.1	0.26	7.4	7.4	3.54	0.81
1.15	0.21	7.2	7.2	2.96	0.4
1.2	0.22	6.1	6.1	3.61	0.66
1.25	0.21	5.5	5.5	3.84	0.63
1.3	0.28	5.3	5.3	5.28	0.7
1.35	0.3	6.5	6.5	4.56	0.49
1.4	0.39	6	6	6.55	0.68
1.45	0.42	5.9	5.9	7.15	0.7
1.5	0.4	6.4	6.4	6.26	0.76
1.55	0.38	6	6	6.35	0.87
1.6	0.29	5.7	5.8	5.08	0.92
1.65	0.33	6.1	6.1	5.43	0.47
1.7	0.29	7.5	7.5	3.84	0.86
1.75	0.32	6.3	6.3	5.13	0.76
1.8	0.35	9.5	9.5	3.68	0.6
1.85	0.51	9.3	9.3	5.53	0.62
1.9	0.68	18.5	18.5	3.7	0.63
1.95	0.56	19.5	19.6	2.87	0.58
2	0.47	8.2	8.2	5.78	0.69
2.05	0.37	7.7	7.7	4.81	0.81
2.1	0.27	7.1	7.1	3.79	0.73
2.15	0.24	6.3	6.3	3.84	0.76
2.2	0.25	7.1	7.1	3.49	0.65

2.25	0.26	6.1	6.1	4.24	0.82
2.3	0.24	6.6	6.6	3.63	0.95
2.35	0.23	5.8	5.8	3.94	1.04
2.4	0.24	5.4	5.4	4.46	0.94
2.45	0.3	5.1	5.1	5.83	0.81
2.5	0.54	5.1	5.1	10.73	0.8
2.55	0.96	10.7	10.7	8.99	0.83
2.6	1	22	22	4.54	1
2.65	1.17	22.2	22.2	5.29	1.13
2.7	1.21	17.1	17.1	7.06	1.51
2.75	1.18	18	18.1	6.51	1.9
2.8	1.27	19.9	19.9	6.35	1.78
2.85	1.18	21.4	21.5	5.49	2.08
2.9	1.12	19	19	5.91	1.86
2.95	1.35	19.8	19.8	6.8	2.12
3	2.3	37.3	37.4	6.14	2.36
3.05	2.41	96.3	96.3	2.5	1.9
3.1	2.76	156.2	156.2	1.77	1.35
3.15	2.37	159.5	159.5	1.49	1.5
3.2	2.4	125.1	125.1	1.92	1.85
3.25	2.47	86.9	86.9	2.85	1.45
3.3	2.36	53.3	53.3	4.43	1.42
3.35	1.76	37.2	37.2	4.73	1.69
3.4	1.26	25.8	25.8	4.9	2.22
3.45	0.84	23	23	3.67	2.62
3.5	0.87	21.2	21.2	4.09	2.69
3.55	0.92	20.5	20.5	4.48	2.87
3.6	0.97	22.7	22.8	4.28	3.11
3.65	0.97	23	23.1	4.21	3.09
3.7	0.91	22	22	4.13	3.02
3.75	0.86	21.3	21.3	4.04	3.22
3.8	0.83	20.2	20.3	4.09	2.92
3.85	0.79	20	20.1	3.92	3.21
3.9	0.84	20.3	20.3	4.14	3.12
3.95	0.9	19.8	19.9	4.56	2.86
4	0.94	22.6	22.6	4.17	3.01
4.05	0.97	24.3	24.4	3.99	3.22
4.1	1.01	27.7	27.7	3.65	3.17
4.15	1.1	30	30	3.67	3.23
4.2	1.29	33.5	33.6	3.85	3.82
4.25	1.54	35.4	35.5	4.35	3.52
4.3	1.59	36.3	36.3	4.38	3.58
4.35	1.53	36.5	36.5	4.19	3.69
4.4	1.52	34.9	34.9	4.35	4.07
4.45	1.67	35.2	35.3	4.75	3.98
4.5	1.76	38	38.1	4.61	3.93
4.55	1.88	37.4	37.5	5.01	3.92

4.6	1.85	36.9	36.9	5	4.17
4.65	1.92	34.6	34.6	5.55	4.15
4.7	1.81	34.9	34.9	5.17	4.24
4.75	1.78	35.5	35.6	5.01	4.39
4.8	1.87	36.8	36.9	5.08	4.25
4.85	2.1	41.3	41.3	5.09	4.3
4.9	2.32	44.2	44.3	5.24	4.39
4.95	2.55	47.6	47.6	5.36	4.65
5	2.69	50.4	50.4	5.33	4.46
5.05	2.82	50.1	50.1	5.63	4.75
5.1	2.85	51.6	51.6	5.51	4.91
5.15	2.69	51.7	51.8	5.19	5.05
5.2	2.63	49.9	49.9	5.26	5.18
5.25	2.6	49.6	49.7	5.23	4.79
5.3	2.72	51	51	5.33	5.02
5.35	2.9	52.6	52.6	5.5	5.18
5.4	3.14	52.9	53	5.92	5.27
5.45	3.23	54.2	54.2	5.95	5.17
5.5	3.21	52.9	53	6.05	5.4
5.55	3.03	48.6	48.7	6.23	5.56
5.6	2.66	43.7	43.8	6.07	5.27
5.65	2.45	40.2	40.3	6.08	5.37
5.7	2.27	37.9	38	5.97	5.17
5.75	2.17	37.2	37.3	5.82	5.52
5.8	2.06	34.7	34.7	5.93	4.98
5.85	1.93	35.7	35.8	5.39	5.18
5.9	1.93	35.7	35.7	5.39	5.35
5.95	1.98	42.3	42.4	4.67	5.28
6	1.83	42.1	42.2	4.33	5.18
6.05	1.81	35.2	35.3	5.14	5.35
6.1	1.71	35.2	35.3	4.85	4.91
6.15	1.69	36.6	36.7	4.62	5.24
6.2	1.88	35.8	35.8	5.24	5.28
6.25	2.03	42.7	42.8	4.73	5.55
6.3	2.13	39.3	39.4	5.4	5.57
6.35	2.13	42.3	42.4	5.02	5.57
6.4	2.37	40.6	40.7	5.81	5.65
6.45	2.93	65.8	65.9	4.44	5.66
6.5	3.44	85.9	85.9	4.01	5.6
6.55	3.72	63.3	63.4	5.87	5.43
6.6	4.22	69	69.1	6.11	6.39
6.65	5.16	85.7	85.8	6.02	7.32
6.7	5.64	99.9	100	5.63	6.97
6.75	5.34	109.9	110	4.85	6.53
6.8	5.23	94.9	94.9	5.5	6.26
6.85	3.6	56.7	56.7	6.34	5.68
6.9	2.31	33.9	34	6.81	5.75

6.95	1.66	31.1	31.2	5.32	6.7
7	1.57	33	33.1	4.73	7.48
7.05	1.62	29.8	29.8	5.43	6.09
7.1	1.61	29.4	29.5	5.46	6.51
7.15	1.61	30.6	30.7	5.26	6.25
7.2	1.46	31.5	31.6	4.61	6.57
7.25	1.44	31.8	31.9	4.51	7.07
7.3	1.5	31.6	31.7	4.75	5.99
7.35	1.53	34.8	34.8	4.38	6.35
7.4	1.63	34.3	34.3	4.74	6
7.45	1.74	35.3	35.4	4.93	6.29
7.5	1.99	35.2	35.3	5.64	6.07
7.55	2.32	40	40	5.81	6.1
7.6	3.04	69.2	69.3	4.39	7.32
7.65	2.92	60.2	60.3	4.84	5.39
7.7	2.58	37.2	37.3	6.91	5.94
7.75	1.79	31.4	31.5	5.69	5.83
7.8	1.3	31	31.1	4.18	6.64
7.85	0.95	21.7	21.8	4.36	5.34
7.9	0.79	18.7	18.8	4.18	6.52
7.95	0.62	16	16.1	3.84	5.93
8	0.58	17.5	17.6	3.31	6.57
8.05	0.67	18.9	19	3.54	6.55
8.1	0.89	22.7	22.8	3.92	6.44
8.15	1.3	31.2	31.3	4.14	6.84
8.2	1.96	38.3	38.4	5.1	6.64
8.25	2.39	42.5	42.6	5.6	6.35
8.3	2.54	46.1	46.2	5.5	6.77
8.35	2.49	45	45.1	5.53	6.81
8.4	2.43	44.9	45	5.41	7.01
8.45	2.44	45.1	45.2	5.4	6.95
8.5	2.42	46.6	46.7	5.18	7.23
8.55	2.48	47.1	47.2	5.27	7.48
8.6	2.47	45.4	45.5	5.42	7.14
8.65	2.49	46.7	46.8	5.31	7.45
8.7	2.52	50.2	50.3	5.01	7.6
8.75	2.65	52.1	52.2	5.07	7.96
8.8	3.19	52.6	52.7	6.05	7.74
8.85	3.16	52.9	53	5.96	7.69
8.9	3.16	51.5	51.6	6.12	7.73
8.95	3.01	48.5	48.6	6.19	7.75
9	2.98	47.8	47.9	6.23	7.34
9.05	2.87	47.6	47.7	6.01	7.43
9.1	2.84	47.8	47.9	5.92	7.43
9.15	2.79	48.8	48.9	5.7	7.98
9.2	2.82	51.2	51.4	5.49	7.8
9.25	2.9	52.4	52.5	5.53	7.8

9.3	2.66	51.3	51.4	5.17	7.84
9.35	2.41	48.9	49	4.91	7.97
9.4	2.17	46.5	46.7	4.65	7.79
9.45	2.05	46.2	46.3	4.43	7.82
9.5	2.17	47.2	47.3	4.58	8.15
9.55	2.18	49.1	49.2	4.43	8.12
9.6	2.37	51.6	51.7	4.59	8.18
9.65	2.46	54.4	54.5	4.52	8.12
9.7	2.52	56.8	56.9	4.43	8.28
9.75	2.47	57.9	58	4.26	8.12
9.8	2.52	57.4	57.5	4.38	8.34
9.85	2.48	51.5	51.6	4.81	8.13
9.9	2.65	50.4	50.6	5.24	8.29
9.95	2.42	47.6	47.7	5.07	8.09
10	2.16	41.8	41.9	5.16	8.32
10.05	2.02	41.5	41.6	4.85	8.28
10.1	1.86	41.3	41.4	4.49	7.98
10.15	1.91	39.9	40	4.77	8.18
10.2	1.93	41.1	41.2	4.7	8.13
10.25	1.68	37.7	37.9	4.44	8.35
10.3	1.52	34.4	34.5	4.4	8.08
10.35	1.41	32.3	32.5	4.33	8.35
10.4	1.6	38.6	38.7	4.14	8.18
10.45	1.91	41	41.1	4.64	8.2
10.5	1.95	40.2	40.3	4.83	8.4
10.55	1.84	37.2	37.3	4.92	8.44
10.6	1.67	35	35.1	4.76	8.56
10.65	1.61	31.9	32	5.01	8.38
10.7	1.57	29.5	29.6	5.31	8.05
10.75	1.49	29.2	29.3	5.09	8.08
10.8	1.42	28	28.1	5.06	7.82
10.85	1.4	26.8	26.9	5.21	8.2
10.9	1.42	26.3	26.4	5.4	7.91
10.95	1.48	27.8	27.9	5.3	8.2
11	1.5	28.7	28.8	5.21	8.17
11.05	1.45	28.2	28.3	5.12	8.31
11.1	1.32	26.4	26.5	4.97	7.99
11.15	1.27	26.9	27	4.69	8.19
11.2	1.27	27.4	27.5	4.6	8.14
11.25	1.46	28.2	28.3	5.16	8.18
11.3	1.79	31.8	31.9	5.63	8.28
11.35	1.98	34.6	34.7	5.7	8.16
11.4	1.96	35.1	35.2	5.58	7.96
11.45	1.94	44.7	44.8	4.33	8.14
11.5	1.83	43.8	44	4.16	7.88
11.55	2.42	33.3	33.5	7.22	8.45
11.6	4.16	45.5	45.7	9.12	8.56

11.65	8.13	194.8	194.9	4.17	9.09
11.7	9.85	351.3	351.4	2.8	9.25
11.75	10.39	397.7	397.8	2.61	11.51
11.8	9.32	366.8	367	2.54	11.68
11.85	8.77	335.2	335.4	2.62	11.26
11.9	9.17	263.1	263.3	3.48	9.91
11.95	8.23	160.6	160.8	5.12	10.16
12	7.39	101.4	101.6	7.28	11.56
12.05	6.18	89.5	89.7	6.89	11.17
12.1	4.65	67.3	67.5	6.89	12.05
12.15	3.32	41.2	41.4	8.03	11.4
12.2	1.88	29.7	29.8	6.3	10.94
12.25	1.27	27.8	27.9	4.56	11.15
12.3	1.14	26.2	26.3	4.34	11.12
12.35	1.07	26.3	26.5	4.04	10.94
12.4	1.09	26.8	26.9	4.04	11.15
12.45	1.14	26.3	26.5	4.3	10.74
12.5	1.54	30.6	30.7	5.01	10.99
12.55	1.87	50.5	50.7	3.68	10.98
12.6	1.98	42.4	42.5	4.66	11.27
12.65	1.82	32.2	32.4	5.61	10.94
12.7	1.22	27.5	27.7	4.41	11.03
12.75	1.07	27.3	27.5	3.91	11.22
12.8	1.06	26.7	26.9	3.96	11.16
12.85	1.07	26.8	27	3.95	10.96
12.9	1.04	26.4	26.5	3.91	11.16
12.95	1.01	26.3	26.4	3.81	11.15
13	1.04	26.8	27	3.87	11.16
13.05	1.15	29.7	29.9	3.86	11.03
13.1	1.35	31.1	31.3	4.3	11.27
13.15	1.65	32.9	33	5.01	10.91
13.2	2.61	66.6	66.8	3.9	11.4
13.25	3.16	70.6	70.7	4.47	11.14
13.3	3.01	43.7	43.8	6.88	11.42
13.35	2.03	34.9	35.1	5.78	11.09
13.4	1.26	32.8	33	3.82	11.18
13.45	1.12	31	31.2	3.59	11.12
13.5	1.18	31.6	31.7	3.72	11.76
13.55	1.19	31.2	31.4	3.78	11.46
13.6	1.18	30.3	30.4	3.86	11.55
13.65	1.17	29.6	29.8	3.94	11.39
13.7	1.16	28.7	28.9	4.02	11.53
13.75	1.13	28.3	28.5	3.96	11.36
13.8	1.1	29.8	29.9	3.66	11.48
13.85	1.1	30.6	30.7	3.58	12.17
13.9	1.09	29.3	29.4	3.7	11.71
13.95	1.1	29.9	30.1	3.65	12.11

14	1.08	29.9	30.1	3.59	11.84
14.05	1.09	30	30.2	3.59	12.15
14.1	1.08	29.7	29.8	3.62	12.1
14.15	1.1	30.7	30.8	3.56	12.3
14.2	1.16	30.7	30.9	3.76	12.07
14.25	1.24	33.9	34.1	3.65	12.49
14.3	1.38	38.2	38.3	3.59	12.36
14.35	1.71	42.4	42.5	4.02	12.46
14.4	4.31	55.8	55.9	7.7	12.76
14.45	6.57	124.7	124.9	5.26	14.08
14.5	9.35	236.1	236.4	3.96	16.41
14.55	11.98	342.4	342.7	3.5	15.63
14.6	11.01	399.5	399.8	2.76	15.63
14.65	10.75	415.4	415.6	2.59	15.87

Depth (m)	Sleeve (tsf)	Tip(unc) (tsf)	Tip(cor) (tsf)	F. Ratio (%)	U (psi)
0.05	0	8	8	0	-0.19
0.1	0.12	15.4	15.4	0.81	-0.03
0.15	0.15	20	20	0.74	-0.18
0.2	0.16	22.7	22.7	0.69	0
0.25	0.2	26.5	26.5	0.74	0.09
0.3	0.44	36.3	36.3	1.22	0.03
0.35	0.55	38	38	1.45	-0.06
0.4	0.57	32.7	32.7	1.74	0.27
0.45	0.43	32.4	32.4	1.32	-0.2
0.5	0.33	31.7	31.7	1.04	0.13
0.55	0.33	29.9	29.9	1.09	0.26
0.6	0.42	22.5	22.5	1.89	-0.09
0.65	0.51	15.5	15.5	3.29	0.13
0.7	0.52	12.9	12.9	4.05	0.13
0.75	0.5	13.9	14	3.56	0.27
0.8	0.51	17.4	17.4	2.91	-0.13
0.85	0.64	15.4	15.4	4.16	0.34
0.9	0.76	16.2	16.2	4.67	0.98
0.95	0.7	14.9	14.9	4.68	0
1	0.56	11.1	11.1	5.02	-1.19
1.05	0.52	10.3	10.3	5.02	0.38
1.1	0.63	11.5	11.6	5.39	7.71
1.15	0.6	11.1	11.2	5.34	9.14
1.2	0.5	8.5	8.6	5.88	5.66
1.25	0.32	7.1	7.2	4.53	2.9
1.3	0.18	5.6	5.6	3.28	0.49
1.35	0.16	4.5	4.5	3.49	0.51
1.4	0.23	5.7	5.7	4.11	0.69
1.45	0.33	6.4	6.4	5.15	0.7
1.5	0.35	7.7	7.7	4.49	0.72
1.55	0.29	7.8	7.8	3.75	0.05
1.6	0.41	6.9	6.9	5.86	4.04
1.65	0.52	8.8	8.9	5.84	7.75
1.7	0.57	14.1	14.2	4.04	5.8
1.75	0.74	15.5	15.6	4.76	2.01
1.8	0.91	15.9	15.9	5.71	1.38
1.85	1.12	16.7	16.7	6.7	1.49
1.9	1.17	17.8	17.8	6.55	1.46
1.95	1.19	19.4	19.5	6.09	1.4
2	1.2	20.1	20.1	5.95	1.06
2.05	1.29	22.4	22.4	5.77	1.55
2.1	1.44	25.8	25.8	5.6	1.59
2.15	1.8	35.8	35.9	5.03	3.06
2.2	2.02	43.7	43.7	4.63	1.52

2.25	2.05	44	44	4.65	-0.68
2.3	1.94	45.2	45.2	4.29	-0.33
2.35	1.67	49.7	49.7	3.36	-0.61
2.4	1.59	47.1	47.1	3.37	-0.78
2.45	1.48	44.9	44.9	3.29	-1.02
2.5	1.51	42.3	42.3	3.58	-1.45
2.55	1.47	39.3	39.2	3.75	-1.46
2.6	1.32	34.8	34.8	3.8	-2.15
2.65	1.23	33.5	33.5	3.67	-1.89
2.7	1.34	32.8	32.8	4.1	-1.8
2.75	1.45	31.3	31.3	4.64	-1.96
2.8	1.59	30.1	30.1	5.29	-2.07
2.85	1.6	30.2	30.2	5.3	-2
2.9	1.55	30	30	5.17	-2.35
2.95	1.26	26.9	26.9	4.69	-2.2
3	1.01	25.6	25.6	3.96	-1.97
3.05	1.06	26	26	4.08	-2.05
3.1	1.21	27.3	27.3	4.41	-2.05
3.15	1.34	29.1	29.1	4.59	-1.82
3.2	1.23	28.7	28.6	4.3	-2.15
3.25	1.13	25.4	25.4	4.47	-2
3.3	0.95	23.7	23.7	4	-2.27
3.35	0.92	23.1	23.1	4	-2.25
3.4	0.92	26.2	26.2	3.53	-1.85
3.45	1.03	29	28.9	3.57	-1.85
3.5	1.24	31.2	31.2	3.99	-1.86
3.55	1.12	33.9	33.9	3.3	-2.3
3.6	0.96	25.1	25	3.84	-2.67
3.65	0.97	24.9	24.8	3.9	-2.09
3.7	1.11	29.2	29.2	3.8	-2.25
3.75	1.32	39.3	39.2	3.38	-1.75
3.8	1.29	41.3	41.2	3.14	-2.06
3.85	1.07	29.8	29.8	3.6	-2.21
3.9	0.82	24.2	24.1	3.42	-1.68
3.95	0.73	23.8	23.7	3.07	-1.68
4	0.8	23.9	23.8	3.36	-1.41
4.05	0.88	24.9	24.9	3.55	-1.49
4.1	0.9	25.1	25.1	3.6	-1.62
4.15	0.88	24.4	24.4	3.6	-1.6
4.2	0.81	24.6	24.6	3.29	-1.26
4.25	0.79	23.5	23.5	3.35	-1.46
4.3	0.77	22.8	22.7	3.39	-1.43
4.35	0.78	22.6	22.6	3.46	-1.51
4.4	0.85	23	23	3.71	-1.19
4.45	0.84	23.8	23.8	3.52	-1.34
4.5	0.82	23.4	23.4	3.52	-1.15
4.55	0.83	23.7	23.7	3.51	-1.02

4.6	0.88	23.6	23.6	3.74	-1.4
4.65	0.91	24.3	24.3	3.75	-1.35
4.7	0.96	25.1	25.1	3.84	-1.3
4.75	0.99	25.6	25.6	3.86	-1.26
4.8	0.98	26.1	26.1	3.76	-1.1
4.85	0.98	26.1	26.1	3.75	-1.1
4.9	0.95	26.2	26.2	3.61	-1.41
4.95	0.96	27.1	27.1	3.55	-1.15
5	1	27.6	27.6	3.6	-1.14
5.05	1.06	29.2	29.2	3.62	-1.05
5.1	1.09	30.4	30.4	3.57	-1
5.15	1.1	31.6	31.6	3.48	-0.7
5.2	1.13	32.6	32.6	3.48	-0.79
5.25	1.15	33	33	3.5	-0.83
5.3	1.27	32.1	32.1	3.94	-0.61
5.35	1.19	31.6	31.6	3.78	-0.67
5.4	1.13	31.2	31.2	3.6	-0.33
5.45	1.06	31.3	31.3	3.37	0.02
5.5	0.93	33.3	33.3	2.79	0.09
5.55	0.98	37	37	2.65	0.71
5.6	0.93	38.9	38.9	2.39	0.56
5.65	0.9	37.5	37.5	2.39	0.64
5.7	0.8	35.2	35.2	2.27	0.69
5.75	0.77	32.9	32.9	2.34	1.25
5.8	0.85	32.8	32.8	2.59	1.69
5.85	0.96	34.1	34.1	2.82	1.62
5.9	1.04	35.3	35.3	2.93	1.62
5.95	1.09	34.9	34.9	3.13	1.84
6	1.11	35	35	3.16	1.5
6.05	1.14	35.4	35.5	3.21	1.47
6.1	1.17	35.1	35.1	3.32	1.51
6.15	1.07	33.8	33.9	3.15	2
6.2	1.01	34.9	35	2.88	2.17
6.25	1.21	36.9	36.9	3.28	2.18
6.3	1.38	39.4	39.5	3.51	1.92
6.35	1.53	42.3	42.3	3.62	2.31
6.4	1.61	43.8	43.8	3.68	2.52
6.45	1.71	42.6	42.7	4.02	2.56
6.5	1.59	39.9	39.9	3.99	2.53
6.55	1.45	38.7	38.8	3.74	3.24
6.6	1.27	39	39.1	3.26	2.9
6.65	1.13	37.2	37.2	3.05	3.28
6.7	1.01	36	36	2.81	3.85
6.75	0.92	34.9	35	2.63	3.85
6.8	0.87	34.4	34.4	2.54	4.14
6.85	0.88	37.6	37.7	2.33	5.46
6.9	1.2	39.9	40	3	5.98

6.95	1.33	46	46.1	2.89	6.05
7	1.55	43.8	43.9	3.53	6.16
7.05	1.66	44.1	44.2	3.76	6.21
7.1	2.08	52.7	52.8	3.94	7.65
7.15	2.25	62.6	62.7	3.58	7.62
7.2	3.07	65.7	65.8	4.67	7.86
7.25	3.01	66	66.1	4.56	7.55
7.3	2.45	55.7	55.8	4.39	6.22
7.35	1.94	46.4	46.5	4.16	8.12
7.4	1.49	39.3	39.4	3.77	7.22
7.45	1.2	33	33.1	3.63	7.69
7.5	1.09	30.8	30.9	3.51	8.22
7.55	1.06	29.3	29.4	3.62	7.18
7.6	1.06	27.8	27.9	3.78	7.08
7.65	0.97	28	28.1	3.46	7.79
7.7	0.94	28.1	28.2	3.33	7.83
7.75	0.98	29.3	29.4	3.33	7.97
7.8	0.97	28.5	28.6	3.39	7.35
7.85	0.99	26.8	26.9	3.68	7.37
7.9	0.96	29.3	29.4	3.26	7.89
7.95	1.07	32.7	32.8	3.26	8.15
8	1.17	34.7	34.8	3.37	8.57
8.05	1.17	34.5	34.7	3.37	8.58
8.1	1.05	33.4	33.5	3.13	8.64
8.15	1.04	32.5	32.6	3.18	9.15
8.2	1.07	33.6	33.7	3.17	8.62
8.25	1.12	33.5	33.6	3.33	8.41
8.3	1.19	32.5	32.7	3.64	8.62
8.35	1.15	31.6	31.8	3.63	8.53
8.4	1.14	31.5	31.6	3.6	8.46
8.45	1.06	31.4	31.5	3.36	8.74
8.5	0.97	30.5	30.6	3.18	8.62
8.55	0.91	29.5	29.6	3.06	8.62
8.6	0.95	30.3	30.4	3.12	8.86
8.65	1.31	36.9	37.1	3.53	9.69
8.7	1.77	51.6	51.8	3.41	10.3
8.75	2.06	55	55.2	3.74	9.8
8.8	2.1	49.2	49.3	4.26	10.59
8.85	1.83	43.8	44	4.16	10.7
8.9	1.5	41.8	41.9	3.59	11.28
8.95	1.5	42.3	42.5	3.52	12.66
9	1.65	49.1	49.3	3.36	13.25
9.05	1.85	48.6	48.7	3.79	12.56
9.1	1.83	45.2	45.4	4.03	13.49
9.15	1.68	46.6	46.8	3.59	15.54
9.2	1.8	51.5	51.7	3.48	15.94
9.25	1.98	55.8	56.1	3.54	16.18

9.3	2.23	56.7	56.9	3.93	16.03
9.35	2.32	55.1	55.3	4.2	15.58
9.4	2.31	53.4	53.7	4.31	16.05
9.45	2.21	50.7	50.9	4.35	16.04
9.5	2.06	50.3	50.5	4.08	16.3
9.55	1.98	49.2	49.5	4.01	16.64
9.6	1.95	48.3	48.5	4.02	16.73
9.65	2.03	48.9	49.1	4.13	16.58
9.7	2.18	49.5	49.7	4.38	16.55
9.75	2.29	50.6	50.8	4.51	16.55
9.8	2.55	53	53.2	4.8	16.94
9.85	2.62	54.8	55	4.76	17.07
9.9	2.54	53.8	54.1	4.69	17.86
9.95	2.47	52	52.2	4.73	19.46
10	2.53	51.3	51.5	4.9	18.11
10.05	2.8	53.3	53.6	5.23	20.4
10.1	2.84	55.1	55.4	5.12	21.67
10.15	2.61	54.8	55	4.74	20.17
10.2	2.28	50.4	50.7	4.49	21.08
10.25	1.87	49.3	49.7	3.76	22.9
10.3	2	51.6	52	3.84	23.29
10.35	3.13	62	62.3	5.02	25.03
10.4	3.92	85.6	86	4.56	25.78
10.45	4.46	92.7	93.1	4.79	26.67
10.5	5.35	115.8	116.4	4.59	43.75
10.55	6.26	143.8	144.2	4.35	24.23
10.6	6.33	99.8	99.9	6.33	7.89
10.65	4.65	81.4	81.6	5.69	12.98
10.7	3.44	63.8	64.2	5.36	22.04
10.75	2.56	59.1	59.4	4.3	23.2
10.8	2.5	55.3	55.6	4.5	22.71
10.85	2.4	54	54.3	4.42	23.26
10.9	2.31	52.6	52.9	4.36	23.76
10.95	2.47	51.4	51.7	4.79	23.28
11	2.47	50.1	50.4	4.89	23.47
11.05	2.31	47.1	47.4	4.87	20.86
11.1	1.87	43.9	44.2	4.22	22.98
11.15	1.52	39	39.3	3.87	23.91
11.2	1.37	39.5	39.8	3.45	24.28
11.25	1.36	40.8	41.1	3.3	24.45
11.3	1.34	39.1	39.4	3.41	24.36
11.35	1.22	37.4	37.8	3.23	25.21
11.4	1.15	36.4	36.7	3.12	24.72
11.45	1.09	34.6	35	3.12	26.06
11.5	1.08	34.9	35.3	3.06	26.89
11.55	1.34	38.4	38.7	3.46	27.25
11.6	1.77	41.9	42.3	4.19	28.16

11.65	2.26	60.7	61.1	3.7	26.27
11.7	3.64	58.4	58.8	6.18	32.34
11.75	6.02	124.4	124.9	4.82	37.69
11.8	8.97	227.6	227.9	3.94	21.5
11.85	10.37	255.8	255.8	4.05	4
11.9	10.67	280.9	281	3.8	0.79
11.95	10.06	307.6	307.6	3.27	-2.34
12	9.45	323.8	323.8	2.92	-2.92
12.05	9.24	357.5	357.5	2.59	-4.71
12.1	8.62	401.2	401.1	2.15	-5.59
12.15	9.14	453.7	453.6	2.01	-6.73
12.2	8.88	431.5	431.4	2.06	-6.59
12.25	8.97	368.8	368.7	2.43	-6.61
12.3	8.25	306.1	306	2.69	-5.33
12.35	8.19	244	243.9	3.36	-5.41
12.4	8.09	196.6	196.5	4.12	-6.06
12.45	6.29	105.5	105.5	5.96	-6.46
12.5	3.87	55.5	55.5	6.97	-5.86
12.55	1.93	44.3	44.3	4.35	-4.68
12.6	1.17	39.4	39.3	2.99	-4.28
12.65	1.09	37.5	37.5	2.92	-4.43
12.7	1.07	37.2	37.1	2.88	-4.58
12.75	1.03	34.8	34.8	2.96	-4.27
12.8	1.04	32.3	32.2	3.23	-4.67
12.85	0.97	36.4	36.3	2.67	-4.61
12.9	0.94	34.4	34.4	2.74	-4.37
12.95	0.92	32.8	32.7	2.82	-4.6
13	0.87	32.1	32.1	2.71	-4.29
13.05	0.81	32.2	32.2	2.51	-4.34
13.1	0.78	31.4	31.3	2.49	-4.34
13.15	0.74	29.8	29.7	2.49	-4.22
13.2	0.75	29.2	29.1	2.56	-4.14
13.25	0.68	28.2	28.2	2.42	-4.22
13.3	0.67	29.2	29.2	2.28	-3.75
13.35	0.64	28.2	28.1	2.27	-4.32
13.4	0.7	28.5	28.5	2.46	-4.05
13.45	0.7	29.4	29.4	2.39	-3.93
13.5	0.72	32.2	32.2	2.23	-3.51
13.55	0.77	34.6	34.5	2.23	-3.62
13.6	0.8	36.6	36.6	2.2	-3.56
13.65	0.88	36.4	36.4	2.42	-3.25
13.7	0.94	36.2	36.2	2.59	-3.56
13.75	0.99	38.3	38.2	2.6	-3.37
13.8	1.09	39.8	39.8	2.74	-3.34
13.85	1.15	38.4	38.4	2.99	-3.12
13.9	1.13	37.3	37.2	3.02	-3.12
13.95	1.03	38.9	38.9	2.64	-2.8

14	1.02	39	39	2.62	-2.66
14.05	1.06	39.3	39.2	2.7	-2.54
14.1	1.04	39	39	2.67	-2.73
14.15	1.01	40.5	40.5	2.5	-2.51
14.2	1.06	40.4	40.4	2.62	-2.64
14.25	1.13	39.2	39.2	2.88	-2.57
14.3	1.13	38.3	38.3	2.97	-2.58
14.35	1.11	37.5	37.5	2.97	-2.38
14.4	1.05	36.3	36.3	2.88	-2.45
14.45	1.02	35.9	35.9	2.84	-2.28
14.5	1.02	35.8	35.8	2.84	-2.44
14.55	0.99	36	36	2.74	-2.45
14.6	0.97	36.6	36.6	2.64	-2.02
14.65	1.01	37.2	37.2	2.7	-2.19
14.7	1.13	40.9	40.9	2.77	-2.02
14.75	1.47	49.8	49.8	2.95	-1.93
14.8	1.86	56.6	56.6	3.29	-1.86
14.85	1.87	53.4	53.4	3.5	-1.72
14.9	1.51	45	45	3.37	-1.9
14.95	1.67	46.5	46.5	3.59	-1.14
15	3.1	62.7	62.6	4.95	-1.16
15.05	6.27	134.3	134.3	4.67	-0.65
15.1	9.24	205.9	205.8	4.49	-2.36
15.15	10.02	252.3	252.3	3.97	-2.8
15.2	9.32	297.5	297.5	3.13	-2.63
15.25	8.95	362.5	362.4	2.47	-1.61
15.3	10.25	406.4	406.4	2.52	-1.12
15.35	9.74	430.9	430.9	2.26	-0.77
15.4	8.35	365.8	365.8	2.28	-2.08
15.45	7.07	290.6	290.6	2.43	-2.99
15.5	7.06	167.7	167.6	4.21	-5.53
15.55	5.75	90.8	90.7	6.34	-6.11
15.6	4.01	83.4	83.4	4.81	-5.35
15.65	3.67	89.8	89.7	4.1	-4.58
15.7	3.79	80.6	80.6	4.71	-4.53
15.75	3.21	63.6	63.5	5.06	-4.44
15.8	2.13	47.9	47.8	4.46	-3.99
15.85	1.62	45.8	45.7	3.54	-3.82
15.9	1.63	43.4	43.4	3.76	-3.79
15.95	2.51	55.7	55.7	4.5	-3.38
16	3.62	89	89	4.07	-3.02
16.05	5.09	115	114.9	4.43	-3.16
16.1	5.81	226.8	226.8	2.56	-3.41
16.15	6.81	225.1	225.1	3.03	-4.54
16.2	5.84	159.3	159.2	3.66	-5.24
16.25	5.76	121.3	121.3	4.75	-5.38
16.3	5.29	97.7	97.6	5.41	-3.96

16.35	4.65	84.3	84.2	5.52	-3.6
16.4	5.08	121.8	121.8	4.17	-2.32
16.45	4.36	95.4	95.3	4.57	-4.27
16.5	2.97	55.6	55.6	5.35	-3.76
16.55	1.89	44.2	44.2	4.29	-2.69
16.6	1.51	39.1	39.1	3.87	-1.87
16.65	1.78	39.1	39	4.56	-2.18
16.7	1.98	54.2	54.2	3.66	-1.28
16.75	2.22	57.6	57.6	3.86	-1.13
16.8	2.15	50.8	50.7	4.23	-0.92
16.85	2.14	50	50	4.28	-0.28
16.9	2.68	65.6	65.6	4.08	0.01
16.95	3.21	69	69	4.66	0.03
17	3.62	122	122	2.97	1.15
17.05	4.15	138.7	138.7	2.99	-1.63
17.1	3.82	77.4	77.4	4.94	-1.81
17.15	2.63	50.5	50.5	5.22	-1.06
17.2	1.78	37.5	37.5	4.74	-0.1
17.25	1.25	39.9	39.9	3.13	0.77
17.3	1.16	44.9	44.9	2.59	1.16
17.35	1.15	40.3	40.3	2.84	1.5
17.4	1.01	37.7	37.7	2.67	1.45
17.45	1.02	36.4	36.4	2.81	1.82
17.5	1.38	38.2	38.2	3.62	1.82
17.55	1.94	43.9	43.9	4.42	2.15
17.6	3.48	105.6	105.6	3.3	3
17.65	3.86	413	413	0.93	1.47
17.7	7.58	487.6	487.6	1.56	-0.17
17.75	6.42	420.4	420.4	1.53	-1.15
17.8	8.38	236.9	236.9	3.54	-4.53
17.85	5.06	158.1	158	3.2	-5.96
17.9	4.83	87.2	87.1	5.54	-4.05
17.95	4.45	78.8	78.8	5.65	-3.22
18	4.28	91.1	91	4.7	-3.1
18.05	4.63	120.7	120.6	3.84	-3.23
18.1	4.65	169.5	169.5	2.74	-3.35
18.15	4.14	106.9	106.8	3.88	-4.36
18.2	2.76	55.6	55.5	4.97	-4.52
18.25	1.57	46.9	46.9	3.35	-3.83
18.3	0.98	45.2	45.1	2.17	-3.77
18.35	0.96	44.6	44.6	2.16	-3.28
18.4	0.95	44.5	44.5	2.14	-3.4
18.45	0.9	44.2	44.2	2.05	-3.09
18.5	0.81	42.1	42.1	1.94	-3.18
18.55	0.84	42.7	42.7	1.96	-3.19
18.6	0.86	46.7	46.6	1.85	-2.7
18.65	0.92	46.3	46.2	1.99	-2.48

18.7	1.55	41.9	41.8	3.71	-2.35
18.75	1.85	57.7	57.7	3.21	-1.76
18.8	2.34	72.6	72.6	3.23	-1.67
18.85	2.22	46.8	46.8	4.75	-1.98
18.9	1.61	33.6	33.6	4.79	-1.09
18.95	1.13	32.8	32.8	3.44	-1.16
19	1.55	33.8	33.8	4.6	-0.84
19.05	2.17	81.4	81.4	2.66	-0.52
19.1	3.62	170.3	170.3	2.12	-1.32
19.15	5.87	171.2	171.1	3.43	-2.23
19.2	6.75	134.9	134.9	5.01	-2.47
19.25	6.3	74.8	74.8	8.43	-2.83
19.3	4.19	59.5	59.4	7.05	-1.63
19.35	3.43	93	93	3.69	0.36
19.4	2.77	59.9	59.9	4.62	-1.74
19.45	1.99	39.4	39.4	5.05	-0.92
19.5	1.32	34.3	34.3	3.84	-0.34
19.55	1.24	34	34	3.64	0.15
19.6	1.24	34.3	34.3	3.6	-0.25
19.65	1.54	36.4	36.4	4.23	-0.16
19.7	2.1	40.6	40.6	5.17	0.21
19.75	1.72	59.8	59.8	2.87	0.96
19.8	1.77	47.9	47.9	3.69	0.78
19.85	2.09	54.2	54.2	3.85	1.81
19.9	3.15	101.1	101.1	3.12	1.4
19.95	3.6	68.7	68.7	5.25	-0.65
20	3.09	47.2	47.3	6.54	1.15
20.05	2.28	51.5	51.6	4.42	1.96
20.1	2.08	51.7	51.7	4.03	3.1
20.15	2	48.7	48.8	4.11	3.02
20.2	2.02	47.8	47.8	4.22	3.22
20.25	1.79	46.4	46.5	3.85	3.28
20.3	1.57	45.1	45.1	3.48	3.59
20.35	1.47	43.3	43.3	3.38	3.61
20.4	1.58	42.7	42.7	3.7	3.34
20.45	2.41	51.8	51.9	4.65	3.65
20.5	4.15	127.3	127.3	3.26	4.76
20.55	4.76	115.7	115.7	4.11	1.17
20.6	3.87	71.4	71.4	5.43	2.02
20.65	1.8	47.6	47.7	3.78	4.1
20.7	1.36	46.7	46.7	2.91	4.71
20.75	3.03	55.5	55.6	5.45	6.01
20.8	4.9	151.8	151.9	3.22	8.38
20.85	6.31	302.8	302.9	2.08	5.86
20.9	6.2	347.8	347.8	1.78	2.54
20.95	6.41	315.2	315.2	2.03	1.76
21	8.86	275.6	275.7	3.22	1.47

21.05	10.78	214.9	214.9	5.02	1.48
21.1	9.64	119.2	119.2	8.08	0.6
21.15	5.38	63.6	63.6	8.46	0.25
21.2	2.38	43.7	43.7	5.45	2.33
21.25	1.09	38.6	38.6	2.83	2.85
21.3	1.01	36.5	36.6	2.75	3.32
21.35	0.98	35.1	35.2	2.78	3.62
21.4	0.97	34.4	34.5	2.82	3.76
21.45	1	37.2	37.2	2.69	3.67
21.5	1.09	37.4	37.5	2.91	3.82
21.55	1.11	37	37.1	3.01	3.7
21.6	1.12	39.7	39.8	2.82	4.23
21.65	1.11	43.7	43.8	2.55	4.51
21.7	1.14	43.6	43.6	2.61	4.44
21.75	1.17	45	45.1	2.6	4.66
21.8	1.24	47	47.1	2.63	5.08
21.85	1.29	47.6	47.7	2.71	5
21.9	1.42	48.8	48.9	2.9	5.22
21.95	1.69	49	49.1	3.44	5.42
22	1.94	53	53.1	3.64	5.59
22.05	2.12	71.7	71.8	2.96	5.97
22.1	2.01	73.1	73.2	2.74	5.88
22.15	1.98	64.3	64.4	3.08	6.46
22.2	1.8	62.1	62.2	2.9	6.91
22.25	1.69	63.8	63.9	2.65	7.09
22.3	1.81	65.1	65.2	2.77	7.16
22.35	2.32	69.8	69.9	3.32	7.44
22.4	2.53	74.6	74.7	3.39	7.35
22.45	2.64	76.2	76.3	3.46	7.33
22.5	2.63	74.2	74.3	3.54	8.14
22.55	2.31	66.4	66.5	3.48	7.83
22.6	1.99	56.9	57	3.5	8.22
22.65	1.77	58.3	58.4	3.03	8.53
22.7	1.75	61.6	61.7	2.83	8.81
22.75	1.85	64.4	64.6	2.87	9.43
22.8	0	64.3	64.4	0	9.26
22.85	0	64.5	64.6	0	10.11

Depth (m)	Sleeve (tsf)	Tip(unc) (tsf)	Tip(cor) (tsf)	F. Ratio (%)	U (psi)
0.05	0	8.5	8.5	0	0.05
0.1	0.05	6.7	6.7	0.7	0.09
0.15	0.05	6.3	6.3	0.74	-0.05
0.2	0.06	7	7	0.8	-0.02
0.25	0.07	8.5	8.5	0.84	0.12
0.3	0.08	9.6	9.6	0.82	0.05
0.35	0.1	8.6	8.6	1.17	-0.13
0.4	0.06	8.6	8.6	0.64	0
0.45	0.03	6.9	6.9	0.41	-0.18
0.5	0.02	6.5	6.5	0.27	-0.2
0.55	0.02	6.1	6.1	0.38	-0.26
0.6	0.05	6.8	6.8	0.67	-0.1
0.65	0.07	7.5	7.5	0.9	0.06
0.7	0.09	6	6	1.49	-0.36
0.75	0.09	7.6	7.6	1.21	-0.11
0.8	0.1	8	8	1.29	-0.12
0.85	0.12	8.6	8.6	1.38	-0.15
0.9	0.12	9.3	9.3	1.28	-0.11
0.95	0.1	9.7	9.7	0.99	0.12
1	0.08	9.6	9.6	0.85	-0.08
1.05	0.06	9.4	9.4	0.66	-0.14
1.1	0.05	9.5	9.5	0.56	0.04
1.15	0.05	8.7	8.7	0.61	0.12
1.2	0.06	8.3	8.3	0.71	-0.02
1.25	0.06	7.3	7.3	0.89	-0.09
1.3	0.08	7.4	7.4	1.06	-0.1
1.35	0.08	7.7	7.7	1.07	0.09
1.4	0.13	8.5	8.5	1.55	0.09
1.45	0.34	10.9	10.9	3.06	-0.01
1.5	0.8	21.2	21.2	3.8	-0.04
1.55	1.08	40.9	40.9	2.63	1.08
1.6	1.26	39.5	39.5	3.18	2.87
1.65	1.1	42.1	42.1	2.6	2.81
1.7	1.15	40.9	40.9	2.81	0.74
1.75	1.18	29.9	29.8	3.96	-4.65
1.8	1.03	22.3	22.2	4.64	-7.85
1.85	0.94	19.7	19.6	4.81	-8.77
1.9	0.92	19	18.9	4.86	-8.98
1.95	1.1	20.7	20.6	5.33	-8.69
2	1.33	23.6	23.5	5.67	-8.95
2.05	1.49	26.4	26.3	5.68	-8.73
2.1	1.64	28.4	28.3	5.79	-8.88
2.15	1.87	30.9	30.8	6.06	-8.61
2.2	2.05	34	33.8	6.05	-8.61

2.25	2.17	39.8	39.7	5.46	-7.98
2.3	2.19	44.5	44.4	4.93	-7.24
2.35	2.11	45.8	45.7	4.61	-7.29
2.4	2.02	45	44.9	4.5	-7.48
2.45	2.09	45.5	45.4	4.61	-7.26
2.5	2.1	49.2	49.1	4.28	-7.15
2.55	2.4	51.7	51.6	4.65	-7.24
2.6	2.78	58.3	58.2	4.77	-7.42
2.65	2.55	50.9	50.8	5.02	-4.21
2.7	2.82	45.1	45.1	6.25	-4.38
2.75	3.33	85.3	85.3	3.9	-2.62
2.8	4.85	151.8	151.8	3.19	-1.55
2.85	5.55	159.7	159.7	3.47	0.04
2.9	6.1	138.3	138.3	4.41	0.55
2.95	5.83	129.1	129.1	4.52	0.52
3	5.09	95.4	95.4	5.34	-0.05
3.05	3.08	58.8	58.8	5.24	-0.19
3.1	2.08	39.4	39.4	5.27	2.09
3.15	1.62	39.5	39.5	4.1	2.85
3.2	1.69	52.6	52.6	3.22	2.65
3.25	1.78	42.6	42.6	4.16	1.6
3.3	1.68	36.5	36.6	4.59	1.47
3.35	1.42	40.7	40.7	3.49	1.22
3.4	1.27	33.4	33.5	3.8	1.3
3.45	1	26.5	26.6	3.77	1.25
3.5	0.98	25.7	25.7	3.8	1.62
3.55	0.99	27.1	27.1	3.67	1.93
3.6	1.15	31.8	31.8	3.61	2
3.65	1.77	51.1	51.2	3.46	2.68
3.7	2.39	80.9	81	2.96	3.09
3.75	3	72.5	72.5	4.14	2.05
3.8	2.57	46.2	46.2	5.55	0.76
3.85	1.82	34.8	34.9	5.23	1.99
3.9	1.23	32.5	32.5	3.78	3.31
3.95	0.96	29.7	29.8	3.23	3.31
4	0.86	26.9	27	3.19	3.21
4.05	0.75	25.3	25.3	2.98	3.23
4.1	0.83	25.7	25.8	3.21	4.32
4.15	0.85	26.7	26.7	3.18	3.18
4.2	1.02	28.5	28.6	3.59	3.87
4.25	1.07	26.7	26.7	4.01	2.77
4.3	1.06	26.3	26.3	4.04	3.11
4.35	0.96	24.1	24.2	3.96	2.98
4.4	0.87	23.3	23.3	3.72	3.71
4.45	0.82	22	22	3.73	2.99
4.5	0.8	21.9	21.9	3.64	3.22
4.55	0.79	21.6	21.6	3.67	3.34

4.6	0.71	21.3	21.4	3.34	3.28
4.65	0.72	21.9	21.9	3.29	3.61
4.7	0.72	22.6	22.7	3.18	3.18
4.75	0.8	24.6	24.7	3.25	3.29
4.8	0.89	25.5	25.5	3.47	3.29
4.85	0.93	26.4	26.5	3.5	3.52
4.9	0.89	26.7	26.8	3.31	3.53
4.95	0.89	27.5	27.5	3.25	3.69
5	0.88	27.8	27.9	3.16	3.66
5.05	0.91	28.4	28.5	3.21	3.74
5.1	0.95	29.7	29.7	3.18	3.68
5.15	0.99	31.1	31.2	3.18	3.98
5.2	1.08	31.8	31.9	3.37	3.94
5.25	1.22	33.4	33.5	3.63	4.02
5.3	1.23	34.7	34.8	3.53	4.01
5.35	1.24	34.1	34.1	3.63	3.97
5.4	1.17	31.8	31.8	3.68	3.65
5.45	1.05	29.8	29.9	3.53	4.11
5.5	0.96	28.8	28.8	3.33	3.94
5.55	1.01	31.4	31.5	3.22	4.16
5.6	1.04	36.8	36.9	2.81	4.62
5.65	1.12	38.1	38.2	2.92	4.53
5.7	1.21	39.3	39.4	3.06	4.7
5.75	1.32	41.9	42	3.14	4.93
5.8	1.48	42.2	42.3	3.51	5.09
5.85	1.6	43.4	43.5	3.69	5.13
5.9	1.64	44.1	44.2	3.71	5.25
5.95	1.69	43.6	43.7	3.87	5.6
6	1.7	44.7	44.7	3.79	5.28
6.05	1.66	45.5	45.6	3.65	5.91
6.1	1.66	45.7	45.8	3.62	6.43
6.15	1.74	47.5	47.6	3.65	6.16
6.2	2.1	49	49.1	4.27	6.01
6.25	2.25	48.6	48.7	4.62	6.02
6.3	2.26	47.7	47.8	4.73	5.98
6.35	2.2	47.3	47.4	4.63	6.19
6.4	2.21	47.7	47.8	4.62	7.17
6.45	2.23	49.5	49.6	4.5	7.3
6.5	2.3	46.8	46.9	4.9	6.81
6.55	2.09	45.9	46	4.55	7.16
6.6	2.14	50	50.1	4.28	8.11
6.65	2.37	66.1	66.2	3.59	8.36
6.7	2.32	64.2	64.4	3.61	10.96
6.75	2.13	48.1	48.3	4.41	10.49
6.8	1.61	42.2	42.4	3.8	11.13
6.85	1.55	40.3	40.5	3.84	11.36
6.9	1.93	43.8	44	4.39	11.94

6.95	2.97	73.1	73.3	4.05	12.16
7	2.84	76.8	76.9	3.69	9.68
7.05	3.28	61.6	61.8	5.31	13.23
7.1	3.34	86.2	86.4	3.87	14.29
7.15	3.54	84.2	84.3	4.2	11.8
7.2	3.26	63.8	63.9	5.09	12.22
7.25	2.83	62.7	62.9	4.5	15.04
7.3	2.73	71	71.2	3.83	16.91
7.35	2.89	62.5	62.7	4.61	16.17
7.4	3.3	67	67.2	4.91	17.79
7.45	3.27	69	69.2	4.73	16.89
7.5	4.14	93.5	93.8	4.42	22.5
7.55	4.06	88.7	89	4.57	15.73
7.6	4.01	75.4	75.7	5.3	21
7.65	3.95	76.8	77.1	5.13	20.08
7.7	3.46	70.7	71	4.87	19
7.75	3.16	66.5	66.8	4.73	19.87
7.8	2.7	50.1	50.4	5.36	16.01
7.85	1.99	37.5	37.7	5.27	17.48
7.9	1.52	33.7	33.9	4.49	18.97
7.95	1.36	34.4	34.7	3.92	18.97
8	1.41	32.3	32.6	4.32	18.67
8.05	1.39	29.9	30.1	4.6	18.27
8.1	1.19	27.6	27.9	4.25	18.47
8.15	1.05	28.3	28.6	3.67	19.68
8.2	0.97	29	29.3	3.31	19.13
8.25	0.93	32.2	32.5	2.88	19.34
8.3	1	32.2	32.5	3.06	20.43
8.35	1.03	31.9	32.2	3.22	19.91
8.4	1.13	30.6	30.9	3.65	19.68
8.45	1.27	30	30.2	4.19	19.42
8.5	1.29	29.2	29.5	4.37	19.07
8.55	1.47	31.3	31.5	4.67	19.55
8.6	1.46	38	38.3	3.81	19.86
8.65	1.39	37.9	38.2	3.63	20.35
8.7	1.2	34	34.3	3.49	20.55
8.75	0.98	31.8	32.1	3.06	21.14
8.8	0.87	31.7	32	2.73	21.54
8.85	0.89	31.6	31.9	2.8	21.39
8.9	0.95	31.1	31.4	3.04	20.99
8.95	0.98	30.7	31	3.18	21.16
9	1.05	33.4	33.7	3.13	21.84
9.05	1.25	38.5	38.9	3.22	22.2
9.1	1.56	43.1	43.5	3.58	22.49
9.15	1.79	45.3	45.6	3.92	22.52
9.2	1.96	46.8	47.1	4.17	22.79
9.25	1.95	47.3	47.6	4.1	22.72

9.3	1.87	46.6	46.9	3.99	23.25
9.35	1.85	45.9	46.2	3.99	24.61
9.4	1.81	47.9	48.2	3.75	24.08
9.45	1.9	50.6	50.9	3.73	24.21
9.5	1.92	50.3	50.7	3.79	24.59
9.55	2.19	51.4	51.8	4.23	24.52
9.6	2.43	54.9	55.2	4.39	24.17
9.65	2.63	53.2	53.6	4.92	23.95
9.7	2.55	51.2	51.5	4.95	24.35
9.75	2.42	50.4	50.7	4.78	24.57
9.8	2.24	48.6	48.9	4.58	24.32
9.85	2.25	46.8	47.2	4.77	24.33
9.9	2.07	47.2	47.6	4.35	25.11
9.95	1.99	46.3	46.7	4.27	24.86
10	2.13	44.4	44.7	4.76	25.26
10.05	2.36	45.1	45.4	5.19	25.15
10.1	2.53	46.5	46.8	5.39	24.5
10.15	2.58	49.3	49.6	5.19	25.5
10.2	2.57	50.3	50.7	5.07	25.97
10.25	2.81	51.8	52.1	5.38	25.56
10.3	2.78	52.4	52.8	5.27	25.37
10.35	2.61	50.5	50.8	5.13	25.7
10.4	2.46	49.1	49.5	4.97	25.81
10.45	2.66	50.1	50.4	5.28	25.8
10.5	2.57	49.1	49.5	5.19	25.8
10.55	2.41	46.7	47	5.13	27.22
10.6	2.06	44.6	45	4.57	27.34
10.65	1.8	44.2	44.5	4.04	27.47
10.7	1.58	43.3	43.7	3.62	27.77
10.75	1.5	43.2	43.6	3.45	27.7
10.8	1.72	46.7	47.1	3.65	28.11
10.85	1.9	50.8	51.2	3.72	27.79
10.9	2.11	50.1	50.5	4.18	27.27
10.95	2.28	48.7	49.1	4.64	26.98
11	2.29	46.8	47.2	4.84	26.89
11.05	2.19	47.8	48.2	4.54	26.88
11.1	2.02	48.2	48.6	4.16	27.06
11.15	2.07	50.4	50.8	4.08	27.06
11.2	2.13	51.2	51.6	4.12	27.06
11.25	2.02	55	55.4	3.65	27.2
11.3	2.07	57.2	57.6	3.6	27.2
11.35	3.13	61.2	61.6	5.08	30.6
11.4	5.93	226.3	226.7	2.62	27.94
11.45	9.61	293	293.2	3.28	12.15
11.5	11.01	218.6	218.7	5.04	9.47
11.55	9.28	131.1	131.2	7.07	8.57
11.6	5.79	78	78.2	7.41	10.02

11.65	3.22	53.6	53.8	5.98	17.09
11.7	1.77	58.9	59.1	2.99	18.79
11.75	2	68.2	68.5	2.91	19.14
11.8	3.07	74.8	75.1	4.09	20.14
11.85	6.31	121.3	121.6	5.19	22.76
11.9	7.17	183.2	183.5	3.91	21.15
11.95	9.99	219.7	220	4.54	25.92
12	11.33	251.6	251.9	4.5	20.11
12.05	13.24	283.4	283.5	4.67	10.88
12.1	12.01	309.7	309.9	3.88	14.12
12.15	11.25	399.1	399.3	2.82	13.19
12.2	12.09	481	481.1	2.51	10.88
12.25	8.66	549.1	549.2	1.58	7.65
12.3	10.67	557	557.1	1.92	5.37
12.35	10.22	495.5	495.4	2.06	-7.9
12.4	11.46	484	483.9	2.37	-8.27
12.45	12.34	467.6	467.5	2.64	-8.04
12.5	12.94	405.7	405.6	3.19	-7.85
12.55	8.19	339.1	339	2.41	-7.45
12.6	9.25	243.6	243.5	3.8	-7.24
12.65	9.17	140.2	140.1	6.55	-8.14
12.7	6.63	112.9	112.8	5.88	-7.34
12.75	5.3	81.3	81.2	6.52	-6.65
12.8	4.13	69	68.9	5.99	-6.35
12.85	2.94	57	56.9	5.17	-6.38
12.9	2	46.2	46.2	4.34	-6.12
12.95	1.44	39.5	39.4	3.67	-6.4
13	1.32	38.8	38.8	3.4	-6.28
13.05	1.3	40.7	40.6	3.21	-6.18
13.1	1.35	43.5	43.4	3.11	-6.1
13.15	1.36	44.1	44	3.1	-6.14
13.2	1.23	42	41.9	2.95	-6.23
13.25	1.11	39.3	39.2	2.82	-5.64
13.3	1.31	36.9	36.8	3.55	-5.65
13.35	1.3	34.6	34.5	3.78	-6.74
13.4	1.25	37.2	37.2	3.36	-4.1
13.45	1.22	34	33.9	3.59	-4.49
13.5	1.04	34.1	34	3.05	-4.36
13.55	1.02	37	37	2.76	-3.74
13.6	0.98	35.2	35.1	2.78	-4.13
13.65	0.95	33.1	33	2.88	-4.13
13.7	1	31.8	31.8	3.13	-4.09
13.75	0.92	32.3	32.3	2.84	-3.86
13.8	0.94	34.7	34.6	2.72	-3.07
13.85	0.92	33	33	2.78	-3.85
13.9	0.93	36.8	36.7	2.54	-3.15
13.95	1	37.1	37.1	2.69	-3.66

14	0.99	35.2	35.1	2.82	-3.23
14.05	1.01	36.1	36	2.8	-3.07
14.1	1.03	36.3	36.3	2.83	-2.78
14.15	1.05	38.1	38	2.76	-2.86
14.2	1.03	39.3	39.2	2.62	-2.66
14.25	1.05	38.9	38.8	2.69	-2.62
14.3	1.07	38.2	38.2	2.8	-2.52
14.35	1.04	37.4	37.4	2.79	-2.62
14.4	1	37.3	37.2	2.68	-2.27
14.45	0.98	36.7	36.6	2.69	-2.27
14.5	0.99	36.7	36.7	2.7	-2.35
14.55	0.99	36.6	36.6	2.72	-2.18
14.6	0.96	35.9	35.9	2.66	-2.25
14.65	0.96	36	36	2.67	-1.88
14.7	0.93	36.8	36.7	2.53	-1.47
14.75	0.95	37.2	37.2	2.56	-1.43
14.8	0.99	38	38	2.61	-1.67
14.85	1.06	39	38.9	2.71	-1.48
14.9	1.09	39.6	39.6	2.75	-1.32
14.95	1.15	42.2	42.1	2.72	-0.78
15	1.33	45.7	45.6	2.91	-0.82
15.05	1.61	50.1	50.1	3.21	-0.81
15.1	1.72	53.5	53.5	3.21	-0.69
15.15	1.01	51.3	51.2	1.98	-0.74
15.2	3.26	49.7	49.7	6.55	-0.33
15.25	3.6	67.4	67.5	5.33	3.44
15.3	3.98	74.4	74.5	5.34	3.83
15.35	3.82	79.3	79.4	4.82	4.62
15.4	3.66	79.3	79.4	4.61	5.91
15.45	4.25	80.3	80.4	5.29	6.35
15.5	4.08	77.9	77.9	5.24	6.18
15.55	3.26	63.3	63.4	5.14	5.61
15.6	2.57	50.3	50.4	5.1	6.94
15.65	2.11	43.8	43.9	4.8	7.55
15.7	3.01	57.9	58	5.18	7.26
15.75	3.88	77.3	77.4	5.02	5.54
15.8	5.92	92.6	92.7	6.38	5.84
15.85	6.07	208.3	208.4	2.91	9.36
15.9	6.28	292.7	292.7	2.14	6.49
15.95	5.13	276.1	276.2	1.86	6.26
16	5.59	201.3	201.4	2.78	4.86
16.05	5.6	112.4	112.5	4.98	4.51
16.1	4.77	70.2	70.3	6.79	7.15
16.15	4.75	72.3	72.5	6.55	12.61
16.2	5.67	129.8	130	4.36	16.76
16.25	8.33	167.2	167.5	4.97	17.05
16.3	9.62	160.1	160.2	6	11.61

16.35	7.71	119.6	119.7	6.44	13.51
16.4	6.79	118.6	119.1	5.7	31.44
16.45	7.52	184.9	185.1	4.06	18.6
16.5	8.26	195.3	195.5	4.22	13.68
16.55	7.84	159.3	159.5	4.91	12.59
16.6	5.75	99	99.1	5.8	7.34
16.65	3.61	55.6	55.8	6.47	11.98
16.7	2.21	47.2	47.5	4.66	21.39
16.75	2.06	68.3	68.7	3	27.11
16.8	2.75	64.3	64.7	4.25	29.58
16.85	4.99	94.3	94.8	5.26	38.89
16.9	7.55	224.7	225.1	3.35	24.15
16.95	8.2	289.3	289.6	2.83	17.06
17	6.21	328	328.2	1.89	14.55
17.05	4.98	301.8	302	1.65	11.45
17.1	6.26	257.9	258.1	2.43	10.06
17.15	7.82	206.1	206.2	3.79	9.54
17.2	7.94	138	138.1	5.75	9.5
17.25	5.4	82.3	82.4	6.55	10.16
17.3	3.69	59.8	60.2	6.13	24.54
17.35	2.52	63.2	63.6	3.97	22.76
17.4	2.36	43.2	43.5	5.42	19.6
17.45	1.74	34.6	35	4.99	24.83
17.5	1.31	35.6	35.9	3.65	24.68
17.55	1.22	37.2	37.6	3.24	25.71
17.6	1.23	36.7	37.1	3.31	27.46
17.65	1.38	37.8	38.2	3.61	28.3
17.7	1.77	43.2	43.6	4.06	29.25
17.75	1.99	52.4	52.8	3.78	29.4
17.8	1.82	42.2	42.6	4.28	29.44
17.85	1.4	39.2	39.7	3.54	32.56
17.9	1.27	37.8	38.3	3.32	34.42
17.95	1.52	44.9	45.4	3.35	35.43
18	1.85	57.5	58	3.2	36.14
18.05	2.4	53.3	53.7	4.47	34.14
18.1	2.79	74.9	75.4	3.7	39.24
18.15	2.35	57.8	58.1	4.04	28.25
18.2	1.89	39.2	39.6	4.77	32.17
18.25	1.27	35.8	36.3	3.5	38.81
18.3	1.19	38.9	39.4	3.01	39.3
18.35	2.62	45.4	45.9	5.69	39.95
18.4	3.76	100.7	101.4	3.71	48.17
18.45	5.02	133.7	134.3	3.74	42.68
18.5	4.96	129.4	129.7	3.82	22.21
18.55	3.3	70.4	70.6	4.66	18.44
18.6	2.23	40.5	40.9	5.44	33.57
18.65	1.34	37.7	38.3	3.51	41.89

18.7	1.39	39.8	40.4	3.43	44.74
18.75	1.37	38.5	39.1	3.5	46.84
18.8	1.39	37.2	37.9	3.66	50.7
18.85	1.26	37.7	38.5	3.27	55.08
18.9	1.31	42.4	43.2	3.04	57.55
18.95	1.3	39.5	40.3	3.23	56.23
19	1.43	39.6	40.5	3.54	64.5
19.05	1.25	36.7	37.5	3.32	60.32
19.1	1.23	37.2	38.1	3.22	64.57
19.15	1.11	37.1	38	2.92	62.93
19.2	0.77	35.6	36.6	2.11	67.71
19.25	2.46	48.4	49.5	4.97	77.9
19.3	3.98	190.1	190.9	2.09	58.97
19.35	5.22	321.1	321.5	1.62	30.51
19.4	6.97	291.1	291.5	2.39	24.15
19.45	8.93	246	246.2	3.63	15.68
19.5	8.57	156.4	156.6	5.47	15.11
19.55	6.81	128.9	129.1	5.27	15.78
19.6	3.66	66	66.2	5.53	19.56
19.65	1.87	48.6	48.9	3.83	20.92
19.7	1.47	43.3	43.7	3.36	22.54
19.75	1.19	39	39.4	3.03	24.05
19.8	1.09	36.7	37	2.94	24.99
19.85	0.97	37.4	37.7	2.57	25.88
19.9	0.96	39.8	40.1	2.4	25.66
19.95	1.11	40.1	40.5	2.75	25.68
20	1.25	44.9	45.3	2.76	26.18
20.05	1.4	45.3	45.7	3.06	26.72
20.1	1.6	46.7	47.1	3.4	27.99
20.15	2.3	47.9	48.3	4.75	29.3
20.2	3.15	68.5	69	4.56	33.9
20.25	3.63	77.6	78	4.65	33.72
20.3	3.29	52	52.6	6.26	38.76
20.35	2.18	45.2	45.8	4.75	47.71
20.4	1.63	40.8	41.5	3.92	49.63
20.45	1.65	38	38.7	4.26	50.4
20.5	1.6	39.7	40.4	3.95	52.89
20.55	1.55	42.1	42.9	3.6	56.62
20.6	2.07	51.4	52.3	3.96	64.55
20.65	4.14	101.9	102.9	4.02	75.04
20.7	7.1	130.4	131	5.42	41.79
20.75	8.08	121.1	121.6	6.65	37.56
20.8	8.71	128.9	130	6.7	76.37
20.85	9.72	174.1	174.6	5.57	34.15
20.9	10.78	194.2	194.7	5.54	33.04
20.95	9.54	139.1	139.6	6.84	36.84
21	5.33	76.4	76.9	6.93	36.41

21.05	2.41	50.3	51.5	4.69	87.91
21.1	1.75	48.4	49.8	3.51	104.61
21.15	1.88	51.6	53.1	3.53	104.47
21.2	2.13	52.4	53.9	3.96	110.27
21.25	2.97	68.5	70.5	4.21	138.05
21.3	5.21	136.1	138.1	3.77	145.89
21.35	6.57	160	160.5	4.1	40.01
21.4	6.14	82.8	83.4	7.36	45.33
21.45	3.81	54.8	55.7	6.84	60.78
21.5	2.1	49.3	50.7	4.15	96.91
21.55	2.02	45.8	47.2	4.29	101.78
21.6	1.87	45.9	47.3	3.95	96.24
21.65	1.66	42.1	43.7	3.79	116.5
21.7	1.51	41.2	42.9	3.53	124.08
21.75	1.25	40	41.8	2.98	125.67
21.8	1.07	37.5	39.1	2.73	115.73
21.85	0.97	33.1	34.6	2.79	110.99
21.9	1	35.2	36.6	2.72	102.61
21.95	1.08	38.9	40.4	2.67	110.87
22	1.18	42.9	44.5	2.64	118.01
22.05	1.43	47	48.7	2.92	120.34
22.1	1.58	47.4	49	3.23	120.31
22.15	1.54	46.3	48.1	3.2	131.9
22.2	1.43	45.5	47.5	3.01	146.41
22.25	1.33	44	46.1	2.88	154.05
22.3	1.25	43.5	45.7	2.74	157.75
22.35	1.19	43.4	45.6	2.61	158.22
22.4	1.17	43.7	46	2.53	166.58
22.45	1.24	44	46.4	2.66	171.7
22.5	1.22	44.7	47	2.59	162.23
22.55	1.28	44.1	46.5	2.76	173.23
22.6	1.36	45.8	48.2	2.81	171.17
22.65	1.55	49	51.3	3.02	165.48
22.7	2.05	49.2	51.5	3.98	166.14
22.75	2.79	79.5	81.6	3.42	146.11
22.8	2.98	77.2	77.8	3.84	40.49
22.85	2.8	55.9	56.8	4.93	63.35
22.9	2.07	54.3	55.4	3.74	82.48
22.95	1.86	52.8	54	3.44	85.86
23	1.92	54	55.4	3.46	97.97
23.05	2.27	60.4	61.8	3.68	103.78
23.1	2.59	66.6	68.1	3.81	105.74
23.15	2.94	70	71.6	4.11	117.03
23.2	2.81	69.7	71.1	3.95	106.55
23.25	2.55	58.8	60.3	4.23	107.96
23.3	2.17	57.3	59.1	3.67	129.89
23.35	2	59.5	61.3	3.26	134.23

23.4	1.85	56.1	57.9	3.2	131.01
23.45	1.73	53	55	3.16	140.5
23.5	1.55	50.6	52.6	2.94	141.33
23.55	1.55	49.7	51.6	3	142.87
23.6	1.64	50	51.8	3.16	134.68
23.65	1.7	49	50.9	3.34	137.9
23.7	1.67	49.4	51.5	3.25	145.78
23.75	1.67	50.2	52.3	3.19	149.7
23.8	1.7	50.8	52.9	3.22	152.44
23.85	1.79	49.6	51.7	3.45	149.96
23.9	1.86	49.7	52	3.58	167.65
23.95	1.87	53.3	55.7	3.35	170.85
24	1.97	53	55.6	3.55	184.49
24.05	1.94	53.4	56	3.46	190.29
24.1	1.88	52.2	54.9	3.42	198.84
24.15	1.93	52	54.8	3.52	203.23
24.2	2.23	56.9	60	3.71	222.67
24.25	2.58	64.5	67.7	3.81	229.59
24.3	3.09	69.8	73	4.24	229.98
24.35	4.21	77.3	80.8	5.21	252.87
24.4	6.03	106.5	109.2	5.52	194.46
24.45	8.87	187.8	188.9	4.69	79.13
24.5	10.27	226.6	227	4.52	25.11
24.55	10.67	169.8	170	6.27	14.66
24.6	10.44	156.1	156.8	6.66	46.37
24.65	11.81	155.4	156.2	7.56	55.71
24.7	8	168.5	169.3	4.73	53.59
24.75	10.45	194	194.4	5.38	28.15
24.8	9.91	145.1	145.2	6.82	8.79
24.85	6.96	91.6	91.7	7.6	6.15
24.9	3.74	73.3	73.5	5.09	13.25
24.95	2.73	67.2	67.4	4.06	15.62
25	2.46	60.7	60.9	4.03	15.85
25.05	2.28	56.9	57.2	3.98	16.43
25.1	2.1	55	55.2	3.8	17.93
25.15	1.93	54.1	54.3	3.55	18.77
25.2	1.88	54.1	54.3	3.46	19.69
25.25	1.84	54.2	54.5	3.38	20.51
25.3	2	56	56.3	3.55	21.78
25.35	2.21	60.7	61	3.63	22.23
25.4	2.32	63.1	63.4	3.66	21.6
25.45	2.16	56.5	56.8	3.8	22.81
25.5	1.91	55.1	55.5	3.44	23.85
25.55	1.88	54.5	54.8	3.44	25
25.6	1.87	54.3	54.6	3.42	25.7
25.65	1.8	53	53.4	3.37	27.51
25.7	1.73	54.5	54.9	3.16	28.67

25.75	1.8	56.9	57.3	3.15	30.15
25.8	2.07	61.6	62	3.34	30.8
25.85	2.43	66.6	67	3.63	31.76
25.9	2.55	66.6	67	3.81	32.93
25.95	2.6	67.2	67.7	3.84	34.17
26	2.91	74.1	74.6	3.9	37.57
26.05	3.65	83.4	84	4.35	40.19
26.1	3.6	87	87.6	4.11	42.21
26.15	3.34	70.1	70.6	4.74	40.92
26.2	2.67	63.8	64.4	4.15	44.5
26.25	2.32	68.1	68.8	3.38	52.38
26.3	2.48	72.3	73.1	3.39	59.74
26.35	3.07	80.5	81.4	3.77	64.68
26.4	3.44	83.4	84.2	4.09	58.77
26.45	3.41	76.8	77.7	4.39	61.68
26.5	3.31	78.3	79.3	4.17	67.39
26.55	3.71	82.1	83.1	4.47	74.3
26.6	4.85	97.3	98.5	4.92	83.42
26.65	5.48	105.8	106.6	5.14	61.82
26.7	4.25	77.7	78.5	5.42	52.22
26.75	3.25	66.2	67.2	4.84	67.57
26.8	2.78	53.7	55.4	5.02	118.01
26.85	2.64	62.4	64.2	4.11	131.34
26.9	2.39	57.3	59.2	4.03	137.16
26.95	2.26	53.8	56.1	4.02	163.62
27	2.32	58.4	60.9	3.81	177.68
27.05	2.34	61.2	63.3	3.7	147.99
27.1	2.24	56.1	58.4	3.83	160.45
27.15	1.92	51.6	54	3.56	171.06
27.2	1.71	49.7	52.2	3.27	182.57
27.25	1.6	48.4	50.9	3.14	180.32
27.3	1.51	47.5	50.2	3	189.33
27.35	1.46	46.2	48.9	2.99	195.39
27.4	1.42	44.8	47.5	2.99	194.16
27.45	1.44	45	47.9	3	207.56
27.5	1.42	45.6	48.5	2.93	209.79
27.55	1.42	45.7	48.7	2.91	218.72
27.6	1.51	47.6	50.8	2.97	226.75
27.65	1.5	48.5	51.5	2.92	214.03
27.7	1.56	47.9	51	3.06	227.13
27.75	1.5	47.5	50.6	2.95	226.42
27.8	1.59	48.1	51.3	3.1	229.49
27.85	1.63	48.1	51.2	3.18	222.27
27.9	1.76	48.6	51.7	3.41	224.14
27.95	1.8	48.8	51.9	3.47	221.35
28	1.92	50.1	53.2	3.62	221.82
28.05	1.99	50.1	53.2	3.74	222.46

28.1	1.95	50.6	53.6	3.64	220.1
28.15	1.89	49.9	53.1	3.57	227.55
28.2	1.86	50.1	53.4	3.49	234.96
28.25	1.83	50.3	53.6	3.42	233.36
28.3	1.84	50.6	54	3.41	239.62
28.35	1.82	50	53.3	3.42	238.64
28.4	1.83	49.8	53.3	3.42	250.2
28.45	1.9	51.8	55.5	3.42	265.01
28.5	2.32	58.5	62.2	3.72	267.86
28.55	2.32	64	65.9	3.52	134.22
28.6	2.19	57.5	58.2	3.75	53.22
28.65	1.97	52.6	53.7	3.66	77.98
28.7	1.73	51.9	53.1	3.26	86.04
28.75	1.76	52.7	54	3.26	94.63
28.8	1.81	53.9	55.3	3.27	98.83
28.85	1.8	53.7	55.2	3.26	106.15
28.9	0	53.2	54.9	0	118.73
28.95	0	53.5	55.4	0	130.91

Depth (m)	Sleeve (tsf)	Tip(unc) (tsf)	Tip(cor) (tsf)	F. Ratio (%)	U (psi)
0.05	0	3.5	3.5	0	-0.18
0.1	0.07	5.6	5.6	1.22	0.04
0.15	0.05	6.1	6.1	0.87	-0.12
0.2	0.08	6.1	6.1	1.31	-0.28
0.25	0.11	5.9	5.9	1.79	-0.84
0.3	0.13	7.6	7.6	1.66	-0.69
0.35	0.14	9.5	9.4	1.44	-0.76
0.4	0.12	10.2	10.1	1.18	-1.06
0.45	0.16	13.3	13.3	1.24	-0.72
0.5	0.28	15.9	15.9	1.76	-0.77
0.55	0.65	20.3	20.3	3.18	-0.61
0.6	1.17	26	26	4.49	-0.47
0.65	1.12	30.5	30.5	3.65	-0.61
0.7	0.8	19.7	19.7	4.05	-0.52
0.75	0.45	18	18	2.5	-0.78
0.8	0.4	16.9	16.9	2.4	-0.82
0.85	0.42	16.5	16.5	2.54	-0.46
0.9	0.52	17.9	17.9	2.91	-0.46
0.95	0.59	19.3	19.3	3.04	-0.83
1	0.65	21.9	21.9	2.98	0.39
1.05	0.67	19.2	19.2	3.5	0.14
1.1	0.73	17.9	17.9	4.07	-0.14
1.15	0.8	17	17	4.73	-0.08
1.2	0.88	19	19	4.62	0.36
1.25	0.98	22.2	22.2	4.43	0.03
1.3	1	21.9	21.9	4.58	-0.52
1.35	1.08	20.5	20.5	5.26	0.25
1.4	1.13	21.5	21.5	5.26	0.28
1.45	1.28	22.5	22.5	5.71	-0.11
1.5	1.36	24.8	24.8	5.51	-0.6
1.55	1.37	28.1	28.1	4.86	-0.28
1.6	1.28	26.4	26.4	4.84	-0.49
1.65	1.12	24	24	4.66	-0.22
1.7	1.02	20.7	20.7	4.92	-0.47
1.75	0.99	17.9	17.9	5.54	-0.26
1.8	0.94	15	15	6.29	-0.72
1.85	0.89	15	15	5.94	-0.51
1.9	1	15.6	15.6	6.4	-0.35
1.95	1.16	17.6	17.5	6.59	-0.37
2	1.38	19.6	19.6	7.01	-0.45
2.05	1.51	21.3	21.3	7.1	-0.51
2.1	1.61	21.9	21.9	7.36	-0.76
2.15	1.7	23.7	23.7	7.17	-0.68
2.2	1.82	24.4	24.4	7.44	-0.83

2.25	1.87	25.1	25.1	7.44	-0.81
2.3	1.91	26.3	26.3	7.27	-0.76
2.35	1.9	27.2	27.2	7.01	-0.89
2.4	1.9	28.2	28.2	6.73	-0.62
2.45	1.88	29.4	29.4	6.4	-0.55
2.5	1.93	30.7	30.7	6.29	-0.49
2.55	2.01	36.1	36.1	5.58	-0.18
2.6	2.22	39.6	39.6	5.61	-0.07
2.65	2.3	41.4	41.4	5.55	-0.16
2.7	2.35	42.5	42.5	5.52	0.33
2.75	2.13	40.5	40.5	5.27	-0.16
2.8	1.78	38.8	38.8	4.59	0.18
2.85	1.55	37.4	37.4	4.16	0.44
2.9	1.61	37.4	37.4	4.3	0.2
2.95	1.71	36.8	36.8	4.64	0.04
3	1.67	38.4	38.4	4.36	0.25
3.05	1.45	37.7	37.7	3.85	0.31
3.1	1.33	32.8	32.8	4.04	0.1
3.15	1.31	28	28	4.68	-0.04
3.2	1.3	25.6	25.6	5.08	-0.09
3.25	1.22	23.5	23.5	5.21	-0.31
3.3	1.12	22.3	22.3	5.03	-0.12
3.35	1.04	22.4	22.4	4.66	-0.08
3.4	1.1	25.6	25.6	4.29	-0.04
3.45	1.45	33.3	33.3	4.36	0.07
3.5	1.67	61.1	61.1	2.73	0.23
3.55	1.85	66	65.9	2.8	-0.14
3.6	2.27	78.9	78.9	2.88	0
3.65	2.59	59.7	59.7	4.34	-1.12
3.7	1.86	36.6	36.5	5.1	-1.02
3.75	1.45	26.5	26.5	5.49	-0.79
3.8	1.61	45	45	3.57	-0.62
3.85	1.42	43.8	43.8	3.23	-1.66
3.9	1.25	28.6	28.6	4.37	-1.01
3.95	1.11	26.5	26.5	4.19	-1.05
4	1.06	30.4	30.4	3.48	-1.24
4.05	1.11	31.6	31.6	3.53	-0.95
4.1	1.05	25.9	25.9	4.07	-1.34
4.15	1.09	24	23.9	4.54	-0.94
4.2	1.63	38	38	4.3	-0.97
4.25	2.39	77.1	77.1	3.1	-1.35
4.3	3.04	78.5	78.5	3.87	-1.3
4.35	2.47	45.9	45.9	5.38	-1.1
4.4	1.54	29.9	29.9	5.15	-0.8
4.45	1.1	24.9	24.9	4.42	-0.82
4.5	0.98	24.8	24.8	3.96	-0.88
4.55	0.99	24.4	24.4	4.07	-0.84

4.6	0.95	23.9	23.9	3.97	-0.77
4.65	0.93	24.1	24.1	3.86	-0.72
4.7	0.99	26	26	3.8	-0.77
4.75	1.05	26.6	26.6	3.95	-0.85
4.8	1.09	25.2	25.2	4.32	-0.89
4.85	1.07	24.9	24.9	4.31	-0.74
4.9	1.01	23.5	23.5	4.3	-0.8
4.95	1.02	24.9	24.9	4.1	-0.63
5	1.09	27.3	27.3	3.98	-0.86
5.05	1.14	29.9	29.9	3.81	-0.77
5.1	1.16	33	33	3.53	-0.64
5.15	1.21	34.6	34.6	3.51	-0.58
5.2	1.36	37.3	37.2	3.66	-0.37
5.25	1.55	39	39	3.98	-0.64
5.3	1.69	38.8	38.8	4.35	-0.61
5.35	1.74	39.2	39.2	4.45	-0.59
5.4	1.77	40.3	40.3	4.4	-0.63
5.45	1.9	42.5	42.5	4.49	-0.57
5.5	2.17	46.8	46.8	4.64	-0.55
5.55	2.37	49.5	49.5	4.78	-0.6
5.6	2.37	50.4	50.4	4.7	-0.43
5.65	2.25	49	49	4.59	-0.42
5.7	2.17	46.8	46.8	4.63	-0.59
5.75	3.05	92.6	92.6	3.29	0.07
5.8	4.09	110	110	3.72	-0.47
5.85	4.27	84.2	84.2	5.08	-1.19
5.9	3.27	60.1	60	5.44	-1.81
5.95	2.11	48.4	48.4	4.36	-0.83
6	1.45	42.1	42.1	3.44	-1.17
6.05	1.61	44	44	3.65	-1.11
6.1	1.8	53.1	53.1	3.39	-0.86
6.15	1.97	52.8	52.7	3.74	-1.08
6.2	1.91	51.8	51.8	3.68	-0.7
6.25	1.83	50.4	50.4	3.63	-0.8
6.3	1.75	50.4	50.3	3.47	-0.56
6.35	1.72	48.4	48.4	3.56	-0.87
6.4	1.67	47.6	47.6	3.51	-0.47
6.45	1.6	46.5	46.5	3.43	-0.84
6.5	1.57	47.8	47.8	3.29	0.05
6.55	1.58	46.1	46.1	3.44	-1
6.6	1.65	46.4	46.4	3.55	-0.37
6.65	1.62	45.6	45.6	3.55	-0.79
6.7	1.62	47	47	3.45	-0.09
6.75	1.6	46	46	3.47	-0.67
6.8	1.6	46	46	3.49	0.02
6.85	1.63	45.6	45.6	3.58	-0.09
6.9	1.68	46.4	46.4	3.63	-0.19

6.95	1.72	45.9	45.9	3.74	-0.46
7	1.7	46.7	46.6	3.64	-0.64
7.05	1.69	46.5	46.5	3.62	-0.55
7.1	1.62	47.3	47.3	3.43	-0.28
7.15	1.54	44.6	44.6	3.45	-0.51
7.2	1.45	43.7	43.7	3.31	-0.53
7.25	1.47	43.5	43.5	3.39	-0.94
7.3	1.74	46.3	46.3	3.76	-0.46
7.35	2.01	47.4	47.3	4.25	-0.44
7.4	2.12	49.7	49.7	4.27	-0.17
7.45	2.05	48	48	4.28	-0.25
7.5	1.92	47	47	4.08	0.1
7.55	1.84	44.9	44.9	4.09	-0.37
7.6	1.64	42.4	42.3	3.88	-0.49
7.65	1.49	44.5	44.5	3.36	0.04
7.7	1.57	50.8	50.8	3.09	0.14
7.75	1.84	60.4	60.4	3.05	-0.3
7.8	2.29	65.3	65.3	3.51	-0.35
7.85	2.36	62.2	62.2	3.79	-0.3
7.9	3.2	82.1	82.1	3.9	0.92
7.95	4.69	130	130	3.61	0.32
8	6.17	199.3	199.3	3.09	0.63
8.05	7.44	216.1	216.1	3.45	-0.2
8.1	7.59	165.2	165.2	4.6	-0.32
8.15	6.69	109.6	109.6	6.1	-0.66
8.2	4.94	72.9	72.9	6.77	0.66
8.25	4.08	74.7	74.7	5.46	0.37
8.3	3.44	61.4	61.4	5.6	0.3
8.35	2.79	42.1	42.1	6.63	1.03
8.4	1.95	32.5	32.5	5.99	0.42
8.45	1.58	29.7	29.7	5.31	0.51
8.5	1.44	29.9	29.9	4.8	1.12
8.55	1.4	29.9	29.9	4.69	1.17
8.6	1.47	32	32	4.59	0.62
8.65	1.43	35.4	35.4	4.04	0.53
8.7	1.62	36.8	36.8	4.39	0.74
8.75	1.68	33.9	33.9	4.94	0.57
8.8	1.47	33.1	33.2	4.43	1.89
8.85	1.28	30.8	30.8	4.15	1.28
8.9	1.13	31.2	31.2	3.62	1.55
8.95	1.33	34.5	34.5	3.85	0.49
9	1.59	43.7	43.7	3.65	0.48
9.05	1.91	42.7	42.7	4.47	0.79
9.1	1.94	39	39	4.99	0.71
9.15	1.57	38.1	38.1	4.11	2.11
9.2	1.41	36.2	36.2	3.9	1.75
9.25	1.26	33.8	33.8	3.73	0.51

9.3	1.31	34.2	34.2	3.82	0.99
9.35	1.45	35.3	35.3	4.11	0.56
9.4	1.56	37.5	37.5	4.16	0.75
9.45	1.64	38	38	4.31	1.23
9.5	1.57	37.8	37.8	4.16	1.18
9.55	1.53	36.8	36.8	4.17	0.63
9.6	1.56	39.1	39.2	3.99	1.26
9.65	1.7	40.4	40.5	4.2	0.74
9.7	1.75	44.3	44.4	3.94	0.85
9.75	1.85	44.6	44.6	4.14	1.88
9.8	1.85	40.8	40.8	4.54	1.12
9.85	1.85	39.8	39.8	4.64	0.6
9.9	1.68	38.5	38.5	4.37	0.47
9.95	1.53	38.1	38.1	4.02	1.6
10	1.42	34.8	34.8	4.09	0.83
10.05	1.55	33.6	33.6	4.61	0.85
10.1	1.53	33.4	33.4	4.58	1.46
10.15	1.43	36.3	36.3	3.92	1.53
10.2	1.4	34.9	34.9	4.03	0.9
10.25	1.47	35.3	35.3	4.15	0.96
10.3	1.64	36.8	36.8	4.45	0.67
10.35	1.82	38.5	38.5	4.72	0.66
10.4	1.91	37.8	37.8	5.06	1.32
10.45	1.73	33.9	33.9	5.09	0.94
10.5	1.5	33.7	33.7	4.47	1.47
10.55	1.43	33.8	33.8	4.23	0.8
10.6	1.49	35.2	35.2	4.25	0.94
10.65	1.53	34	34	4.51	0.97
10.7	1.63	35.4	35.4	4.6	1.44
10.75	1.66	36	36	4.6	0.97
10.8	1.86	38.2	38.2	4.86	1.27
10.85	2.02	43.6	43.6	4.63	1.17
10.9	1.79	43.8	43.8	4.08	1
10.95	1.68	40.5	40.5	4.14	0.98
11	1.63	41.3	41.3	3.96	1.47
11.05	1.89	40.9	40.9	4.62	0.76
11.1	2.06	41.3	41.3	4.98	0.86
11.15	1.96	39	39.1	5.03	0.92
11.2	1.67	38.5	38.5	4.33	0.86
11.25	1.38	39.3	39.4	3.52	1.53
11.3	1.46	40.2	40.2	3.63	1.24
11.35	1.63	43	43	3.78	1.18
11.4	1.76	47	47	3.74	0.89
11.45	1.87	50.4	50.4	3.72	0.93
11.5	2.05	54.6	54.6	3.75	1.09
11.55	2.38	58.4	58.5	4.07	1.41
11.6	2.69	56.6	56.6	4.76	1.58

11.65	2.77	50.4	50.4	5.49	0.98
11.7	2.52	47.8	47.8	5.28	1.19
11.75	2.4	45.1	45.1	5.32	1.18
11.8	2.25	43.5	43.5	5.17	0.98
11.85	2.38	50.3	50.3	4.72	1.31
11.9	2.53	52.7	52.7	4.79	0.93
11.95	2.73	58.1	58.1	4.7	1.25
12	3.12	72.9	72.9	4.28	1.71
12.05	2.81	65.2	65.2	4.31	1.45
12.1	2.21	41.3	41.3	5.35	1.38
12.15	1.53	34.8	34.8	4.4	1.44
12.2	1.29	33.3	33.3	3.88	1.38
12.25	1.38	34.9	34.9	3.96	1.48
12.3	1.48	37.4	37.4	3.96	1.29
12.35	1.49	39	39	3.82	1.44
12.4	1.42	36.7	36.7	3.88	1.57
12.45	1.34	34.2	34.2	3.92	1.47
12.5	1.28	33.9	33.9	3.78	1.49
12.55	1.34	37.6	37.7	3.55	1.5
12.6	1.43	38.8	38.8	3.67	1.43
12.65	1.62	39.2	39.3	4.11	1.55
12.7	1.67	43.3	43.3	3.85	2.14
12.75	2.71	50.3	50.4	5.38	2.28
12.8	4.46	84.5	84.5	5.28	2.44
12.85	5.83	145.9	145.9	3.99	2.53
12.9	6.99	284.4	284.4	2.46	2.26
12.95	8.71	319.6	319.7	2.72	1.4
13	9.59	265.6	265.6	3.61	0.56
13.05	8.79	148.1	148.1	5.93	-0.53
13.1	7.88	127.8	127.8	6.16	0.93
13.15	8.62	247.4	247.5	3.48	1.45
13.2	10.38	247.8	247.8	4.19	0.77
13.25	7.54	244.7	244.8	3.08	0.55
13.3	7.59	258.8	258.8	2.93	0.13
13.35	7.63	277.8	277.8	2.75	-0.52
13.4	7.58	286.1	286	2.65	-0.8
13.45	8.52	291.4	291.4	2.92	-0.92
13.5	9	363.3	363.3	2.48	-1
13.55	8.7	264.4	264.4	3.29	-1.24
13.6	7.89	296	296	2.66	0.02
13.65	7.34	320.6	320.6	2.29	-0.38
13.7	7.51	356.2	356.2	2.11	-0.94
13.75	8.39	326.4	326.4	2.57	-1.78
13.8	10.62	365.1	365.1	2.91	-1.42
13.85	11.92	410.9	410.9	2.9	-1.49
13.9	8.19	402.3	402.3	2.04	-1.57
13.95	11.19	389.5	389.5	2.87	-1.77

14	8.83	323.5	323.5	2.73	-2.58
14.05	11.43	360.5	360.4	3.17	-2.11
14.1	10.45	372.1	372.1	2.81	-2.18
14.15	11.88	369.1	369.1	3.22	-1.86
14.2	12.54	404.3	404.3	3.1	-1
14.25	11.08	397.7	397.7	2.79	-2.65
14.3	12.19	427.5	427.4	2.85	-8.36
14.35	11.8	441.4	441.2	2.67	-8.63
14.4	12.99	452.1	452	2.87	-8.15
14.45	9.92	427.4	427.2	2.32	-8.43
14.5	11.86	431.4	431.2	2.75	-8.5
14.55	11.61	404.6	404.4	2.87	-8.45
14.6	12.54	391.6	391.5	3.2	-8.07
14.65	11.1	393.1	393	2.82	-8.43
14.7	9.06	411.8	411.6	2.2	-8.35
14.75	9.9	421.5	421.4	2.35	-8.1
14.8	9.9	369.3	369.2	2.68	-9
14.85	10.67	350.9	350.7	3.04	-8.98
14.9	12.57	343.7	343.6	3.66	-9.23
14.95	8.13	254.4	254.2	3.2	-9.41
15	6.42	121.2	121.1	5.3	-9.39
15.05	3.78	66.9	66.8	5.65	-8.78
15.1	1.85	53.5	53.3	3.48	-8.75
15.15	1.43	51.6	51.4	2.78	-8.73
15.2	1.68	64.3	64.2	2.61	-8.36
15.25	2.63	79.6	79.5	3.31	-8.9
15.3	4.1	115.2	115.1	3.56	-8.6
15.35	5.61	139.4	139.2	4.03	-8.83
15.4	6.25	132.1	132	4.74	-8.4
15.45	5.73	128.6	128.5	4.45	-8.42
15.5	7.22	152.4	152.3	4.74	-8.53
15.55	10.29	236.3	236.2	4.36	-7.95
15.6	9.02	385.9	385.8	2.34	-8.39
15.65	11.58	427.3	427.2	2.71	-8.21
15.7	11.45	374.8	374.6	3.06	-8.87
15.75	9.96	302.6	302.5	3.29	-8.69
15.8	9.16	300.6	300.5	3.05	-7.86
15.85	9.99	246.9	246.7	4.05	-8.03
15.9	9.21	146.2	146.1	6.3	-8.41
15.95	6.25	85	84.9	7.36	-8.33
16	3.14	56.6	56.5	5.57	-8.44
16.05	2.04	53.7	53.6	3.81	-8.2
16.1	2.31	65.8	65.7	3.52	-8.24
16.15	2.7	69.8	69.7	3.87	-8.01
16.2	2.95	68.4	68.3	4.31	-8.23
16.25	2.43	57.2	57	4.26	-8.12
16.3	1.97	45.6	45.5	4.33	-8.15

16.35	1.6	42.7	42.6	3.74	-8.02
16.4	1.36	41.3	41.2	3.29	-7.96
16.45	1.27	42.4	42.3	3.01	-8.09
16.5	1.24	43.4	43.3	2.87	-8.15
16.55	1.27	44	43.9	2.89	-8.25
16.6	1.18	39.8	39.7	2.97	-8.13
16.65	1.25	38.7	38.6	3.23	-8.28
16.7	1.25	39.6	39.5	3.17	-8.28
16.75	1.34	42.5	42.4	3.15	-8.14
16.8	2.32	68.3	68.2	3.41	-8.31
16.85	3.76	95.3	95.1	3.95	-8.21
16.9	5.83	120.1	120	4.86	-8.25
16.95	6.59	162.5	162.3	4.06	-7.98
17	7.08	194.4	194.2	3.65	-8.29
17.05	5.77	133.3	133.1	4.33	-8.4
17.1	3.39	70.9	70.8	4.79	-6.5
17.15	2.7	68.4	68.3	3.95	-6.16
17.2	3.12	87	86.9	3.59	-5.75
17.25	6.07	129.3	129.3	4.7	-5.73
17.3	7.04	144.1	144	4.89	-6.25
17.35	6.84	221.3	221.2	3.09	-5.46
17.4	6.92	202.2	202.1	3.42	-5.95
17.45	5.41	118.3	118.2	4.57	-6.38
17.5	4.69	90.4	90.4	5.19	-5.68
17.55	4.27	186.7	186.6	2.29	-5.5
17.6	5.3	242.8	242.8	2.18	-5.65
17.65	6.22	189.6	189.5	3.28	-6.3
17.7	6.7	141.7	141.6	4.73	-5.9
17.75	5.92	106.1	106	5.58	-5.59
17.8	3.96	73.1	73	5.43	-5.77
17.85	2.62	48.2	48.1	5.45	-5.33
17.9	1.82	42.9	42.8	4.26	-5.51
17.95	1.48	42.4	42.3	3.49	-5.75
18	1.45	40.7	40.6	3.57	-5.32
18.05	1.43	40.5	40.4	3.54	-5.47
18.1	1.51	42.8	42.8	3.53	-5.79
18.15	1.63	47.1	47	3.46	-5.61
18.2	1.7	48.5	48.4	3.51	-5.32
18.25	1.64	44.9	44.8	3.65	-5.11
18.3	1.47	41.5	41.4	3.56	-5.32
18.35	1.43	42	42	3.41	-5.32
18.4	1.72	44.2	44.1	3.9	-5.37
18.45	4.38	59	58.9	7.43	-5.26
18.5	7.93	202.2	202.1	3.92	-5.18
18.55	9.13	376.5	376.4	2.43	-5.29
18.6	7	404.5	404.4	1.73	-5.87
18.65	4.43	320.2	320.1	1.38	-5.9

18.7	5.08	235	234.9	2.16	-5.95
18.75	5.56	152.2	152.1	3.66	-5.57
18.8	4.89	92.3	92.2	5.3	-5.74
18.85	3.52	60.5	60.5	5.82	-5.54
18.9	2.56	47.8	47.7	5.36	-5.53

Depth (m)	Sleeve (tsf)	Tip(unc) (tsf)	Tip(cor) (tsf)	F. Ratio (%)	U (psi)
0.05	0	1.8	1.8	0	-0.09
0.1	0.05	3.1	3.1	1.75	-0.39
0.15	0.06	6.3	6.4	0.95	0.41
0.2	0.06	8.8	8.7	0.66	-0.62
0.25	0.03	13.3	13.3	0.2	-0.04
0.3	0.02	8.4	8.4	0.2	-0.04
0.35	0.06	0.2	0.2	33.03	-0.79
0.4	0.07	0	0	-237.22	-0.81
0.45	0.06	1.8	1.8	3.27	0.21
0.5	0.07	1.9	1.9	3.64	0.49
0.55	0.04	0.8	0.8	5.07	0.04
0.6	0.03	2.7	2.7	1	0.55
0.65	0.03	0.9	0.9	2.93	-0.62
0.7	0.06	0.1	0.1	63.78	-0.84
0.75	0.04	0.7	0.7	5.48	-0.65
0.8	0.06	1.7	1.7	3.3	0.43
0.85	0.04	6.5	6.5	0.61	-0.42
0.9	0.11	36	36	0.29	0.24
0.95	0.24	46.1	46	0.51	-0.46
1	0.29	47.6	47.6	0.6	-0.17
1.05	0.39	52.7	52.7	0.74	-0.03
1.1	0.46	58	58	0.8	-0.65
1.15	0.58	61.3	61.3	0.95	0.17
1.2	0.76	58.3	58.3	1.31	-0.44
1.25	1.1	55.2	55.2	1.99	-0.07
1.3	1.51	47.9	47.8	3.16	-0.86
1.35	1.89	45.8	45.8	4.12	0.12
1.4	2.06	48.3	48.3	4.26	-0.59
1.45	2.13	57.6	57.6	3.7	-0.77
1.5	2.25	68.9	68.9	3.27	-0.45
1.55	2.64	74.7	74.7	3.54	-0.97
1.6	3.11	70.3	70.3	4.43	-1.32
1.65	3.52	62.6	62.6	5.63	-1.96
1.7	3.37	58.7	58.7	5.75	-2.86
1.75	3.28	50.3	50.2	6.53	-2.82
1.8	2.89	35.9	35.8	8.07	-3.22
1.85	2.58	30.6	30.6	8.44	-4.41
1.9	2.44	30.5	30.4	8.02	-3.82
1.95	2.43	31.6	31.6	7.69	-3.28
2	2.49	32.7	32.7	7.63	-3.35
2.05	2.62	34.4	34.4	7.62	-3.2
2.1	2.71	35	35	7.75	-3.47
2.15	2.69	34.5	34.5	7.82	-3.5
2.2	2.67	34.7	34.6	7.71	-3.6

2.25	2.71	37.6	37.5	7.23	-3.63
2.3	3.03	47.2	47.1	6.42	-3.49
2.35	3.5	63	63	5.55	-3.67
2.4	4.01	71.2	71.1	5.64	-4.1
2.45	4.2	61.9	61.8	6.79	-3.83
2.5	3.75	52.1	52	7.21	-3.87
2.55	3.32	50	49.9	6.65	-3.38
2.6	3.04	53.9	53.9	5.65	-3.59
2.65	3.18	58.9	58.9	5.4	-4.17
2.7	3.74	83.6	83.6	4.48	-3.82
2.75	4.6	112.7	112.6	4.09	-2.72
2.8	5.24	115.5	115.5	4.53	-0.82
2.85	4.7	106.5	106.5	4.41	-0.74
2.9	4.18	81.5	81.5	5.13	-0.05
2.95	2.83	56.8	56.8	4.99	-0.13
3	2.7	44.2	44.2	6.11	0.21
3.05	3.4	79.1	79.1	4.3	0.54
3.1	3.74	173.5	173.5	2.16	-0.11
3.15	4.2	239.2	239.2	1.76	0.24
3.2	4.49	201.9	201.9	2.22	0.16
3.25	4.67	130.2	130.2	3.58	0.26
3.3	4.58	107.6	107.6	4.26	0.38
3.35	4.2	93.1	93.1	4.51	0.22
3.4	4.4	101.1	101.1	4.35	0.65
3.45	3.92	82.8	82.8	4.74	0.26
3.5	3.16	53.2	53.2	5.95	0.11
3.55	2.5	36.3	36.3	6.88	0.19
3.6	1.87	33.5	33.5	5.59	0.27
3.65	1.62	32.2	32.2	5.03	-0.07
3.7	1.58	33.6	33.6	4.72	0.15
3.75	1.58	45.9	45.9	3.43	0.12
3.8	1.69	41.9	41.9	4.04	-0.13
3.85	1.65	38.1	38.1	4.34	-0.07
3.9	1.45	37.8	37.8	3.83	-0.05
3.95	1.55	38.9	38.9	3.98	0.14
4	1.53	44.8	44.8	3.41	0.21
4.05	1.4	36.2	36.1	3.89	-0.27
4.1	1.23	34.1	34.1	3.61	-0.26
4.15	1.13	30	30	3.78	-0.09
4.2	1.13	26.7	26.7	4.23	-0.29
4.25	1.05	27.3	27.3	3.85	-0.15
4.3	1.02	29.7	29.7	3.44	-0.11
4.35	1.06	29.9	29.9	3.55	-0.11
4.4	1.16	30	30	3.87	-0.09
4.45	1.71	39.1	39.1	4.38	-0.01
4.5	2.27	74.4	74.4	3.05	-2.45
4.55	2.35	51.7	51.6	4.56	-3.62

4.6	1.81	38.3	38.2	4.72	-3.32
4.65	1.26	28.8	28.7	4.4	-3.25
4.7	1	26.2	26.1	3.83	-3.19
4.75	0.96	26.9	26.9	3.59	-2.66
4.8	0.99	27.2	27.2	3.66	-2.59
4.85	0.97	27.1	27.1	3.59	-2.59
4.9	0.96	27.8	27.7	3.48	-2.31
4.95	0.97	27.9	27.8	3.48	-2.76
5	0.95	29	28.9	3.27	-2.4
5.05	0.97	27.4	27.3	3.55	-3.29
5.1	0.94	26.8	26.8	3.52	-2.68
5.15	0.89	26.2	26.2	3.38	-2.86
5.2	0.83	26.6	26.5	3.13	-2.81
5.25	0.79	29.1	29.1	2.73	-2.9
5.3	0.88	31.7	31.7	2.78	-2.41
5.35	1.05	32.4	32.4	3.25	-2.62
5.4	1.09	33	32.9	3.31	-2.82
5.45	1.1	36.5	36.5	3.02	-2.55
5.5	1.15	39.5	39.5	2.91	-2.64
5.55	1.3	41.6	41.6	3.13	-2.61
5.6	1.45	41.9	41.9	3.47	-2.67
5.65	1.63	41.3	41.3	3.95	-2.64
5.7	1.71	40.9	40.8	4.17	-2.56
5.75	1.86	42.8	42.8	4.36	-2.63
5.8	1.99	46.3	46.3	4.3	-2.39
5.85	2.12	47.5	47.5	4.46	-2.31
5.9	2.14	46.3	46.2	4.63	-2.35
5.95	2.11	44.6	44.6	4.73	-2.72
6	1.9	42.5	42.5	4.47	-2.38
6.05	1.71	38.2	38.2	4.49	-2.23
6.1	1.48	35.8	35.7	4.14	-2.64
6.15	1.38	34	34	4.07	-2.37
6.2	1.36	35.3	35.3	3.85	-2.21
6.25	1.43	33.2	33.1	4.31	-2.68
6.3	1.44	34.6	34.6	4.17	-2.18
6.35	1.47	36.6	36.6	4.03	-2.03
6.4	1.48	38.4	38.3	3.87	-2.39
6.45	1.49	37.8	37.8	3.95	-2.33
6.5	1.45	35.4	35.4	4.08	-2.32
6.55	1.43	33.6	33.6	4.24	-2.32
6.6	1.45	36.5	36.5	3.98	-2.32
6.65	1.55	38.8	38.7	4.01	-2.35
6.7	1.72	40.6	40.5	4.23	-2.17
6.75	1.82	41.2	41.1	4.41	-2.12
6.8	1.62	39.7	39.7	4.09	-2.07
6.85	1.55	37.6	37.5	4.14	-2.05
6.9	1.45	39.6	39.5	3.68	-2.33

6.95	1.65	42	42	3.94	-2.1
7	1.78	41.7	41.6	4.29	-2.23
7.05	1.79	40.7	40.7	4.41	-2.18
7.1	1.73	39.7	39.7	4.35	-2.13
7.15	1.6	39	38.9	4.11	-2.14
7.2	1.53	38.7	38.7	3.95	-1.81
7.25	1.63	41.6	41.6	3.93	-1.96
7.3	1.97	47.9	47.9	4.11	-1.95
7.35	2.31	59.1	59.1	3.9	-2.04
7.4	2.31	59.1	59.1	3.91	-2.02
7.45	2.34	55.2	55.2	4.24	-2.05
7.5	2.18	49.4	49.4	4.42	-1.94
7.55	2.09	46.6	46.6	4.48	-1.99
7.6	2.9	55.5	55.5	5.23	-1.8
7.65	3.54	99.6	99.6	3.55	-1.9
7.7	4.16	96.1	96.1	4.33	-1.96
7.75	4.34	100.8	100.8	4.31	-1.78
7.8	4.11	98.8	98.8	4.16	-1.55
7.85	3.4	73.8	73.8	4.61	-1.86
7.9	2.5	55	55	4.54	-1.41
7.95	1.9	46.6	46.6	4.08	-1.55
8	1.81	46.7	46.7	3.89	-1.62
8.05	2	56	56	3.57	-1.53
8.1	2.56	66.3	66.2	3.87	-1.47
8.15	3.7	80.5	80.4	4.59	-1.5
8.2	4.51	66.6	66.6	6.78	-1.8
8.25	3.64	49.2	49.2	7.4	-1.61
8.3	2.71	55.2	55.2	4.91	-1.54
8.35	2.26	43.1	43.1	5.23	-1.67
8.4	1.85	36.3	36.3	5.11	-1.42
8.45	1.53	33.6	33.6	4.57	-1.24
8.5	1.34	32	32	4.2	-1.42
8.55	1.24	31.1	31.1	4	-1.24
8.6	1.2	30.6	30.6	3.92	-1.43
8.65	1.13	30	30	3.76	-1.66
8.7	1.15	31	31	3.7	-1.38
8.75	1.19	32.1	32.1	3.71	-1.58
8.8	1.29	34.2	34.2	3.77	-1.47
8.85	1.42	37.3	37.3	3.8	-1.21
8.9	1.52	39.3	39.3	3.87	-1.55
8.95	1.7	44.3	44.3	3.84	-1.28
9	1.56	42.2	42.2	3.69	-1.16
9.05	1.45	35.5	35.4	4.11	-1.38
9.1	1.45	32	32	4.55	-1.4
9.15	1.39	30	29.9	4.64	-1.39
9.2	1.43	32.8	32.8	4.35	-1
9.25	1.55	37.5	37.5	4.13	-1.15

9.3	1.58	36.3	36.2	4.36	-1.74
9.35	1.6	35.4	35.4	4.53	-1.21
9.4	1.46	33.7	33.7	4.33	-1.41
9.45	1.4	33	33	4.24	-1.09
9.5	1.24	30.8	30.8	4.02	-1.52
9.55	1.12	29	29	3.87	-1.3
9.6	1.03	27.5	27.5	3.75	-1.2
9.65	1	28.4	28.4	3.54	-1.4
9.7	1.05	30.6	30.6	3.43	-1.21
9.75	1.24	34.3	34.3	3.61	-1.29
9.8	1.55	38.2	38.2	4.06	-1.5
9.85	1.77	41.2	41.2	4.29	-1.11
9.9	1.9	42.3	42.3	4.49	-0.99
9.95	1.88	41.4	41.4	4.54	-1.19
10	2	41.3	41.3	4.86	-1.2
10.05	2.1	40.9	40.9	5.13	-1.28
10.1	2.19	41.6	41.6	5.27	-0.74
10.15	2.23	41.7	41.7	5.36	-1.27
10.2	2.03	41.8	41.8	4.85	-1.45
10.25	1.79	39.6	39.6	4.52	-0.92
10.3	1.55	34.5	34.5	4.49	-1.35
10.35	1.47	34.1	34	4.32	-1.33
10.4	1.46	33.8	33.8	4.31	-1.48
10.45	1.51	34.1	34.1	4.42	-1.24
10.5	1.54	34.6	34.6	4.47	-1.15
10.55	1.5	34	34	4.42	-1.2
10.6	1.43	33.4	33.4	4.28	-0.77
10.65	1.35	32.2	32.2	4.19	-0.46
10.7	1.28	30.6	30.5	4.19	-1.35
10.75	1.32	31.5	31.5	4.2	-0.89
10.8	1.39	31.7	31.7	4.37	-1.16
10.85	1.44	32.8	32.8	4.39	-1.17
10.9	1.5	34.1	34.1	4.4	-0.81
10.95	1.52	34.9	34.9	4.37	-1.27
11	1.69	35.1	35.1	4.81	-0.92
11.05	1.78	32.7	32.6	5.44	-1.36
11.1	1.68	31.3	31.3	5.36	-0.32
11.15	1.43	30.1	30	4.75	-1.09
11.2	1.28	32.2	32.2	3.98	-0.53
11.25	1.47	32.6	32.6	4.52	-0.12
11.3	1.5	30	30	5.01	-0.68
11.35	1.35	28.7	28.7	4.71	-0.84
11.4	1.16	29.1	29.1	3.97	-0.73
11.45	1.06	28.6	28.6	3.7	-1.05
11.5	1.15	29.5	29.5	3.91	-1.1
11.55	1.24	30.8	30.8	4.02	-1.05
11.6	1.24	32.2	32.2	3.84	-0.49

11.65	1.37	34.6	34.6	3.97	-1.06
11.7	1.29	35.6	35.6	3.62	-1.14
11.75	1.29	35.1	35.1	3.69	-0.54
11.8	1.28	33.6	33.6	3.81	-0.29
11.85	1.31	34.7	34.7	3.78	-0.5
11.9	1.47	38.5	38.5	3.83	-0.27
11.95	1.75	40	40	4.37	-0.76
12	1.79	47.7	47.7	3.76	-0.65
12.05	1.78	42.8	42.8	4.16	-0.88
12.1	1.99	41.1	41.1	4.85	-0.78
12.15	2.19	47.7	47.7	4.6	-0.69
12.2	2.33	51	51	4.57	-0.72
12.25	2.17	43.2	43.2	5.02	-0.97
12.3	1.84	41.9	41.9	4.4	-0.66
12.35	1.57	43.9	43.9	3.57	-0.86
12.4	2.65	50.7	50.7	5.23	-0.29
12.45	6.09	150.4	150.4	4.05	-0.33
12.5	10.2	286.7	286.7	3.56	-0.82
12.55	12.9	352.1	352.1	3.66	-0.71
12.6	11.07	348.2	348.2	3.18	-0.84
12.65	9.15	327.6	327.6	2.79	-0.68
12.7	11.6	287.5	287.4	4.04	-6.6
12.75	9.98	264.5	264.4	3.77	-6.58
12.8	11.13	249.2	249.1	4.47	-6.68
12.85	9.45	240.5	240.4	3.93	-7.11
12.9	11.79	261.9	261.8	4.5	-7.07
12.95	11.9	221.8	221.7	5.37	-7.16
13	10.15	245.4	245.4	4.14	-6.88
13.05	12.81	300.5	300.4	4.26	-6.61
13.1	9.97	251.7	251.6	3.96	-7.59
13.15	12.25	298.8	298.7	4.1	-6.76
13.2	9.84	378.1	378	2.6	-7
13.25	11.03	320.3	320.2	3.44	-7.07
13.3	11.73	329	328.9	3.57	-7.55
13.35	8.51	339.1	339	2.51	-7.61
13.4	8.49	294	293.9	2.89	-7.43
13.45	9.82	259	258.9	3.79	-7.3
13.5	10.56	266.8	266.7	3.96	-7.52
13.55	10.98	322.2	322.1	3.41	-7.45
13.6	10.69	380.8	380.7	2.81	-7.48
13.65	11.42	372.4	372.3	3.07	-7.83
13.7	9.69	380.3	380.2	2.55	-7.23
13.75	11.31	407.8	407.7	2.77	-7.68
13.8	8.46	405.7	405.6	2.09	-8.07
13.85	10.98	368.2	368.1	2.98	-7.27
13.9	12.19	284.9	284.8	4.28	-8.11
13.95	8.99	241.3	241.2	3.73	-7.86

14	8.11	212.3	212.2	3.82	-7.75
14.05	9.97	217	216.9	4.6	-7.76
14.1	10.52	375	374.9	2.81	-8.04
14.15	11.47	442.5	442.4	2.59	-7.79
14.2	8.68	383.3	383.1	2.27	-7.87
14.25	10.94	323	322.8	3.39	-8.29
14.3	7.66	304.1	304	2.52	-8.27
14.35	9.65	283.9	283.8	3.4	-7.93
14.4	10.29	244.5	244.4	4.21	-8.06
14.45	10.57	257.2	257.1	4.11	-8.13
14.5	10.83	251.8	251.7	4.3	-7.99
14.55	10.46	247	246.9	4.24	-7.87
14.6	10.54	251	250.9	4.2	-7.91
14.65	11.3	240.3	240.2	4.71	-7.62
14.7	10.68	213.8	213.7	5	-7.97
14.75	10.27	219.5	219.4	4.68	-8.21
14.8	9.37	263.5	263.4	3.56	-7.73
14.85	9.18	296.2	296.1	3.1	-7.9
14.9	8.76	314.4	314.3	2.79	-7.87
14.95	8.44	298.7	298.6	2.83	-8.23
15	9.52	244.3	244.2	3.9	-8.07
15.05	8.02	140.9	140.8	5.7	-8.51
15.1	5.55	63	62.9	8.82	-8.13
15.15	2.77	48.8	48.7	5.69	-7.99
15.2	1.34	45.8	45.7	2.93	-8
15.25	1.22	45.1	44.9	2.71	-8.14
15.3	1.21	45.8	45.7	2.66	-8.12
15.35	1.23	46	45.9	2.69	-8.26
15.4	1.26	43.1	43	2.93	-8
15.45	1.27	40.7	40.6	3.13	-8.23
15.5	1.25	40.7	40.6	3.08	-8.24
15.55	1.17	42.8	42.7	2.74	-8.17
15.6	1.16	44.6	44.5	2.6	-8.21
15.65	1.05	44.9	44.7	2.34	-8.11
15.7	1.04	43.5	43.4	2.4	-8.21
15.75	1.13	43.7	43.6	2.59	-8.38
15.8	1.14	44.6	44.5	2.56	-8.62
15.85	1.15	48	47.8	2.41	-8.29
15.9	1.58	50.7	50.6	3.11	-8.53
15.95	2.15	52.1	52	4.13	-8.62
16	2.14	51.6	51.5	4.16	-8.56
16.05	2.28	45.6	45.5	5.02	-8.16
16.1	2.6	55.7	55.6	4.68	-8.33
16.15	3.09	76	75.8	4.08	-8.19
16.2	3.67	79.6	79.5	4.62	-8.29
16.25	4.18	87.1	87	4.81	-8.18
16.3	3.78	81.1	81	4.67	-8.12

16.35	2.96	56.4	56.3	5.26	-8.14
16.4	2.11	45.1	45	4.68	-8.16
16.45	1.62	43.7	43.6	3.71	-8.19
16.5	1.46	41.3	41.2	3.54	-7.93
16.55	1.43	39.4	39.3	3.63	-7.75
16.6	1.34	39.2	39.1	3.43	-7.78
16.65	1.32	36.7	36.6	3.6	-8.08
16.7	1.38	35.6	35.5	3.89	-8.2
16.75	1.75	37.5	37.4	4.68	-8.07
16.8	2.64	60.5	60.4	4.37	-7.95
16.85	3.27	80.8	80.7	4.05	-8.02
16.9	3.18	68.6	68.5	4.64	-7.88
16.95	2.54	56.3	56.2	4.53	-7.59
17	2.1	45	44.9	4.67	-7.93
17.05	2.37	49.6	49.5	4.78	-7.73
17.1	3.81	71.4	71.3	5.34	-7.6
17.15	4.28	93.9	93.8	4.57	-7.77
17.2	5.25	120.8	120.7	4.35	-7.34
17.25	4.21	108.5	108.4	3.89	-7.84
17.3	3.58	67.6	67.5	5.31	-7.66
17.35	2.66	46.2	46.1	5.76	-7.71
17.4	2.52	37.3	37.2	6.77	-7.74
17.45	3.2	69.4	69.3	4.62	-7.57
17.5	4.44	171.9	171.8	2.58	-7.59
17.55	4.91	253.4	253.3	1.94	-7.65
17.6	5.08	215.8	215.7	2.35	-7.73
17.65	4.95	111.2	111.1	4.45	-7.63
17.7	4.15	78.2	78.1	5.32	-7.45
17.75	3.08	75.6	75.5	4.07	-7.54
17.8	3	67.9	67.8	4.43	-7.1
17.85	2.88	81.5	81.4	3.54	-7.23
17.9	3.39	66.9	66.8	5.07	-7.28
17.95	4.16	93	92.9	4.48	-7.18
18	3.66	89.5	89.4	4.09	-7.38
18.05	3.25	60.9	60.8	5.34	-7.27
18.1	2.19	47.9	47.8	4.59	-7.22
18.15	1.66	37.5	37.4	4.45	-7.18
18.2	1.32	31.1	31	4.25	-7.26
18.25	1.18	30.4	30.3	3.89	-7.3
18.3	1.2	30.6	30.5	3.94	-7.13
18.35	1.17	30.5	30.4	3.86	-7.32
18.4	1.14	31.9	31.8	3.6	-7.27
18.45	1.15	33.2	33.1	3.47	-7.1
18.5	1.13	31.9	31.8	3.57	-7.13
18.55	1.14	31.2	31.1	3.66	-6.99
18.6	1.08	30.3	30.2	3.59	-7.32
18.65	1.11	30.1	30	3.7	-7.49

18.7	1.11	30.6	30.5	3.63	-7.19
18.75	1.1	32.2	32.1	3.41	-7.06
18.8	1.08	34.3	34.2	3.15	-7.04
18.85	1.08	36.5	36.4	2.96	-7.1
18.9	1.33	43.7	43.6	3.04	-7.07
18.95	1.37	45.6	45.5	3.01	-7.29
19	1.41	38.1	38	3.71	-7.27
19.05	1.28	37.8	37.7	3.38	-6.96
19.1	1.28	37	36.9	3.46	-7.09
19.15	1.32	39.3	39.2	3.37	-7.25
19.2	1.38	43.1	43	3.2	-7.01
19.25	1.57	45.2	45.1	3.47	-6.91
19.3	1.56	43.9	43.8	3.56	-7.21
19.35	1.5	42.8	42.7	3.5	-6.92
19.4	1.34	41.3	41.3	3.25	-6.8
19.45	1.36	43.5	43.4	3.13	-6.92
19.5	1.39	44	43.9	3.18	-7.04
19.55	1.43	45.1	45	3.19	-6.75
19.6	1.56	49.3	49.2	3.18	-6.75
19.65	1.75	59.9	59.8	2.93	-6.74
19.7	1.87	51.5	51.4	3.64	-6.66
19.75	3.18	92.9	92.8	3.42	-6.72
19.8	3.71	130.2	130.1	2.85	-6.95
19.85	4.53	76.8	76.7	5.9	-6.94
19.9	3.59	59	58.9	6.08	-6.94
19.95	3.35	77.6	77.5	4.33	-6.46
20	3.65	92.7	92.6	3.95	-6.35
20.05	3.95	69	68.9	5.74	-6.76
20.1	4.69	195.2	195.1	2.4	-6.4
20.15	5.66	350.3	350.2	1.62	-7.03
20.2	7.17	396.4	396.3	1.81	-6.79
20.25	9.42	344	343.9	2.74	-6.06
20.3	11.63	262.7	262.6	4.43	-5.05
20.35	12.4	230.6	230.5	5.38	-5.37
20.4	10.47	140.2	140.1	7.47	-4.8
20.45	7.38	268	267.9	2.76	-5.43
20.5	6.4	359.6	359.5	1.78	-4.75
20.55	6.14	320	319.9	1.92	-5.22
20.6	7.83	267.9	267.9	2.92	-5.02
20.65	8.06	171.6	171.5	4.7	-5.61
20.7	7.45	123.2	123.1	6.05	-5.48
20.75	6.28	202.6	202.5	3.1	-5.66
20.8	5.1	103.6	103.6	4.93	-5.45
20.85	3.45	55.2	55.1	6.26	-5.67
20.9	2.45	37.2	37.1	6.6	-4.93
20.95	1.31	36.4	36.3	3.6	-3.75
21	1.47	34.7	34.6	4.24	-5.68

21.05	1.55	34.8	34.7	4.45	-5.67
21.1	1.54	34.7	34.6	4.44	-6.08
21.15	1.53	39.8	39.7	3.86	-4.97
21.2	1.38	42.9	42.8	3.23	-5.73
21.25	1.38	45.2	45.1	3.06	-5.43
21.3	1.34	44.6	44.5	3.01	-5.72
21.35	1.39	45.8	45.7	3.04	-5.03
21.4	1.51	46.2	46.1	3.27	-5.63
21.45	1.68	48.4	48.4	3.47	-5.64
21.5	1.91	53	52.9	3.62	-5.07
21.55	2.3	58.1	58	3.97	-5.5
21.6	2.46	62.7	62.6	3.93	-5.39
21.65	2.48	62.5	62.4	3.98	-5.54
21.7	2.78	67	66.9	4.15	-5.19
21.75	2.89	67	66.9	4.31	-5.68
21.8	2.97	61	60.9	4.87	-5.17
21.85	2.52	52.9	52.9	4.78	-5.37
21.9	2.02	49.3	49.2	4.11	-5.3
21.95	1.7	47.9	47.9	3.55	-5.44
22	1.61	47.2	47.2	3.41	-5.25
22.05	1.62	45.4	45.3	3.57	-5.49
22.1	1.63	47	47	3.47	-5.36
22.15	1.65	48.4	48.4	3.41	-5
22.2	1.78	50.2	50.1	3.55	-5.2
22.25	1.92	53.3	53.2	3.6	-5.37
22.3	1.88	52.7	52.6	3.58	-5.41
22.35	1.85	56.8	56.8	3.26	-5.3
22.4	1.54	61	61	2.53	-4.51
22.45	1.86	68.8	68.8	2.71	-4.4
22.5	2.49	66.1	66	3.78	-5.33
22.55	3.33	73.9	73.9	4.5	-4.95
22.6	5.07	268.3	268.2	1.89	-4.46
22.65	8.52	322.6	322.5	2.64	-4.68
22.7	10.52	341	341	3.08	2.17
22.75	12.04	310.4	310.5	3.88	4.28
22.8	0	180.2	180.3	0	3.3
22.85	0	89.5	89.5	0	3.79

Depth (m)	Sleeve (tsf)	Tip(unc) (tsf)	Tip(cor) (tsf)	F. Ratio (%)	U (psi)
0.05	0	3.3	3.3	0	-0.21
0.1	0.1	5.4	5.4	1.94	0.54
0.15	0.17	3.8	3.8	4.36	-0.36
0.2	0.14	4.5	4.5	3.13	-0.39
0.25	0.15	7.5	7.5	2.02	0.67
0.3	0.16	7.2	7.2	2.18	-0.18
0.35	0.14	8.1	8.1	1.79	0.37
0.4	0.16	9.4	9.4	1.72	0.33
0.45	0.18	8.6	8.6	2.07	-0.2
0.5	0.19	7.8	7.8	2.45	0.07
0.55	0.17	7.5	7.5	2.3	0.11
0.6	0.2	6.8	6.8	2.92	-0.09
0.65	0.18	7.9	7.9	2.27	-0.24
0.7	0.23	12.1	12.1	1.9	0.67
0.75	0.25	15.7	15.7	1.6	0.24
0.8	0.21	19.4	19.4	1.07	0.6
0.85	0.22	18.6	18.6	1.21	0.57
0.9	0.29	17.8	17.8	1.63	0.01
0.95	0.26	15.5	15.5	1.68	-0.32
1	0.31	14.5	14.5	2.13	0.27
1.05	0.37	13.7	13.7	2.7	-0.41
1.1	0.4	15.2	15.2	2.62	0.06
1.15	0.45	15.7	15.7	2.85	0.29
1.2	0.42	18.2	18.2	2.29	0.91
1.25	0.43	15	15	2.9	0.14
1.3	0.29	14.3	14.3	2.02	-0.26
1.35	0.31	15.2	15.2	2.06	-0.26
1.4	0.33	17.8	17.8	1.83	-0.12
1.45	0.34	19	19	1.78	0.07
1.5	0.38	22.2	22.2	1.73	0.56
1.55	0.42	27	27	1.57	-0.14
1.6	0.93	43	43	2.15	0.63
1.65	1.62	81.3	81.3	1.99	-0.26
1.7	2.85	104.4	104.4	2.73	0.86
1.75	4	88.8	88.8	4.5	0.2
1.8	4.1	70.6	70.6	5.82	-0.47
1.85	3.78	52	52	7.26	-1.33
1.9	3.12	41.4	41.4	7.53	-4.12
1.95	2.78	42.7	42.7	6.52	-3.03
2	2.8	44.5	44.4	6.3	-2.93
2.05	3.06	45.5	45.5	6.72	-2.7
2.1	3.17	43	43	7.37	-3.5
2.15	3.3	46.4	46.4	7.11	-1.97
2.2	3.27	45.4	45.3	7.21	-2.92

2.25	3.38	46.9	46.8	7.21	-1.66
2.3	3.51	45.6	45.5	7.71	-2.71
2.35	3.59	46.3	46.2	7.76	-2.58
2.4	3.57	49.2	49.2	7.26	-1.59
2.45	3.64	49.6	49.6	7.33	-1.73
2.5	3.68	52.8	52.8	6.97	-1.66
2.55	3.58	57.4	57.4	6.23	-1.43
2.6	3.57	58.2	58.2	6.14	-2
2.65	3.44	59.3	59.3	5.8	-1.09
2.7	3.16	56.8	56.7	5.57	-1.27
2.75	3.28	52.4	52.4	6.27	-2.34
2.8	3.19	51.9	51.8	6.15	-4.66
2.85	3.03	51.3	51.2	5.93	-4.73
2.9	2.86	52.6	52.5	5.44	-4.54
2.95	2.69	50.9	50.9	5.29	-4.49
3	2.67	48.7	48.7	5.48	-4.49
3.05	2.58	47.8	47.7	5.4	-5.03
3.1	3.08	47	47	6.55	-5.1
3.15	3.21	54.2	54.1	5.94	-4.78
3.2	3.75	73.1	73	5.13	-4.68
3.25	4.08	87.6	87.5	4.66	-4.85
3.3	4.36	76.2	76.2	5.72	-3.78
3.35	4.12	69.2	69.2	5.95	-1.99
3.4	3.51	57.4	57.4	6.12	-1.55
3.45	2.93	50	49.9	5.86	-1.73
3.5	2.4	46.5	46.4	5.17	-1.78
3.55	2.18	40	40	5.44	-1.63
3.6	1.99	35.2	35.2	5.65	-1.54
3.65	1.79	34.8	34.8	5.16	-1.44
3.7	1.71	36	36	4.76	-1.43
3.75	1.77	38.1	38.1	4.66	-1.34
3.8	1.82	38.4	38.4	4.75	-1.59
3.85	1.7	35.8	35.8	4.75	-1.54
3.9	1.54	32.1	32.1	4.81	-1.3
3.95	1.43	32.8	32.8	4.35	-1.38
4	1.45	37.5	37.5	3.86	-1.03
4.05	1.69	39.6	39.6	4.27	-1.19
4.1	2.1	49.4	49.4	4.26	-1.13
4.15	2.41	48	48	5.02	-1.26
4.2	2.93	60.6	60.6	4.83	-0.79
4.25	3.16	60.7	60.7	5.21	-1.03
4.3	3.21	59.4	59.4	5.41	-1.08
4.35	2.91	58.4	58.3	4.99	-0.81
4.4	2.41	52.1	52.1	4.62	-1.15
4.45	1.81	42.6	42.6	4.25	-0.93
4.5	1.47	39.6	39.6	3.72	-0.81
4.55	1.43	38.8	38.8	3.7	-1

4.6	1.99	52.5	52.5	3.78	-0.58
4.65	3.15	94	94	3.35	-0.51
4.7	4	105.8	105.8	3.78	-0.72
4.75	3.98	87.5	87.5	4.54	-1.11
4.8	3.35	49.4	49.3	6.8	-1.27
4.85	2.22	36.9	36.9	6.01	-1.27
4.9	1.49	30.7	30.7	4.85	-1.52
4.95	1.34	29.8	29.8	4.49	-1.52
5	1.23	31.1	31.1	3.95	-1.17
5.05	1.32	30	30	4.41	-1.27
5.1	1.57	35.6	35.6	4.41	-1.32
5.15	2.33	54.6	54.6	4.28	-1.23
5.2	3.09	89.4	89.4	3.46	-1.23
5.25	3.15	71	71	4.44	-1.42
5.3	2.65	54.4	54.4	4.87	-1.37
5.35	1.97	39.1	39.1	5.04	-1.47
5.4	1.58	31.2	31.2	5.07	-1.26
5.45	1.23	31.6	31.6	3.89	-1.22
5.5	1.19	30.9	30.9	3.86	-1.18
5.55	1.25	31.9	31.9	3.92	-1.23
5.6	1.29	34.2	34.2	3.77	-1.19
5.65	1.26	35.9	35.8	3.51	-1.24
5.7	1.34	36.3	36.3	3.7	-1.22
5.75	1.35	38.8	38.8	3.49	-1.04
5.8	1.5	38.8	38.8	3.86	-1.11
5.85	1.53	40.9	40.9	3.74	-1.3
5.9	1.6	42.7	42.7	3.74	-1.35
5.95	1.68	42.6	42.6	3.93	-1.1
6	1.68	40.4	40.4	4.17	-1.13
6.05	1.65	39.9	39.9	4.14	-1.22
6.1	1.57	40	40	3.94	-1.32
6.15	1.49	37.2	37.2	4	-0.96
6.2	1.38	34	34	4.07	-0.98
6.25	1.33	30.7	30.6	4.34	-1.47
6.3	1.29	28.6	28.6	4.53	-1.41
6.35	1.26	28.2	28.2	4.47	-1.26
6.4	1.27	30.9	30.9	4.12	-0.88
6.45	1.4	38.1	38.1	3.68	-0.38
6.5	1.7	41.6	41.6	4.08	-1.25
6.55	1.82	41.9	41.9	4.35	-0.98
6.6	1.7	38.7	38.7	4.4	-1.28
6.65	1.64	36.6	36.6	4.47	-1.05
6.7	1.62	36.8	36.8	4.39	-1.28
6.75	1.7	37.8	37.8	4.51	-0.77
6.8	1.63	35.2	35.2	4.62	-1.13
6.85	1.49	32.2	32.2	4.62	-1.18
6.9	1.37	34.4	34.4	3.98	-0.61

6.95	1.35	34	34	3.96	-0.44
7	1.36	32.3	32.3	4.22	-0.59
7.05	1.34	33	33	4.06	-0.53
7.1	1.45	34.4	34.4	4.22	-0.59
7.15	1.62	35.4	35.4	4.58	-1.12
7.2	1.71	40.6	40.6	4.22	-0.95
7.25	2.11	51.3	51.2	4.12	-0.96
7.3	2.88	69	68.9	4.18	-0.71
7.35	3.03	65.6	65.5	4.63	-1.15
7.4	2.51	49.3	49.2	5.11	-1.07
7.45	1.91	44.1	44.1	4.34	-0.56
7.5	1.76	42.9	42.9	4.11	-0.94
7.55	1.7	43.5	43.5	3.92	-0.72
7.6	1.67	41.6	41.6	4.01	-0.74
7.65	1.99	48.5	48.5	4.1	-0.46
7.7	1.73	49.3	49.3	3.51	-0.55
7.75	1.72	43	43	4	-0.6
7.8	1.55	41.8	41.8	3.71	-0.71
7.85	1.54	42.9	42.9	3.58	-0.54
7.9	1.51	38.8	38.8	3.89	-0.69
7.95	1.36	40.9	40.9	3.34	-0.61
8	1.34	43.6	43.6	3.08	-0.44
8.05	1.95	49.4	49.4	3.96	-0.61
8.1	2.38	67.6	67.6	3.53	-0.61
8.15	2.49	65.3	65.3	3.82	-0.67
8.2	2.49	51.4	51.4	4.85	-0.6
8.25	2.57	46.4	46.4	5.54	-0.35
8.3	3.42	79.7	79.7	4.28	-0.32
8.35	3.72	84	84	4.43	-0.51
8.4	3.23	61.7	61.7	5.23	-0.51
8.45	2.42	45.4	45.4	5.33	-0.59
8.5	1.73	38.1	38.1	4.53	-0.64
8.55	1.4	35	35	3.99	-0.48
8.6	1.24	33.7	33.7	3.68	-0.13
8.65	1.19	32.4	32.4	3.68	-0.47
8.7	1.17	32.5	32.5	3.59	-0.6
8.75	1.17	32.8	32.8	3.56	-0.49
8.8	1.13	32.5	32.5	3.47	-0.47
8.85	1.12	31.4	31.4	3.56	-0.37
8.9	1.04	31.7	31.7	3.29	-0.25
8.95	1.02	30.8	30.8	3.31	-0.25
9	1.06	29.2	29.2	3.62	-0.48
9.05	1.05	30.9	30.9	3.39	-0.51
9.1	1.07	30.5	30.5	3.52	-0.35
9.15	1.29	31.9	31.9	4.04	-0.51
9.2	1.43	35.4	35.4	4.03	-0.51
9.25	1.4	33.7	33.7	4.14	-0.56

9.3	1.27	31.3	31.3	4.05	-0.49
9.35	1.2	31.4	31.4	3.84	-0.68
9.4	1.15	30	30	3.84	-0.34
9.45	1.11	28.6	28.6	3.88	-0.64
9.5	1.12	33.8	33.8	3.31	-0.27
9.55	1.17	35.5	35.5	3.29	-0.37
9.6	1.23	32.1	32.1	3.83	-0.51
9.65	1.2	30.9	30.9	3.9	-0.27
9.7	1.18	31.7	31.6	3.72	-0.41
9.75	1.14	33.6	33.6	3.39	-0.59
9.8	1.18	32.8	32.8	3.6	-0.35
9.85	1.15	32.8	32.8	3.52	-0.18
9.9	1.13	34.1	34.1	3.31	-0.08
9.95	1.13	36.5	36.5	3.09	-0.35
10	1.29	37.3	37.3	3.46	-0.46
10.05	1.23	36.4	36.4	3.39	-0.41
10.1	1.21	34.6	34.6	3.5	-0.31
10.15	1.19	38.2	38.2	3.12	-0.47
10.2	1.3	40	40	3.25	-0.32
10.25	1.42	40	40	3.54	-0.34
10.3	1.41	41	40.9	3.44	-0.29
10.35	1.5	47	47	3.19	-0.41
10.4	1.78	51.1	51	3.48	-0.27
10.45	2.02	50.5	50.5	3.99	-0.27
10.5	2.08	48.2	48.2	4.31	0.19
10.55	1.99	46.6	46.6	4.28	-0.19
10.6	1.91	48.1	48.1	3.97	0.1
10.65	1.99	49.2	49.2	4.04	-0.01
10.7	2.01	50.3	50.3	4	-0.26
10.75	2.14	50.4	50.4	4.24	-0.18
10.8	2.24	48.5	48.5	4.62	-0.18
10.85	2.27	49.1	49.1	4.62	-0.31
10.9	1.95	46.6	46.6	4.19	-0.41
10.95	1.61	41.4	41.3	3.89	-0.18
11	1.52	40.5	40.5	3.75	-0.08
11.05	1.59	39.4	39.4	4.04	0.18
11.1	1.61	41.8	41.8	3.85	0
11.15	1.57	42.7	42.7	3.68	0.08
11.2	1.64	40.3	40.3	4.07	-0.14
11.25	1.62	37.3	37.2	4.35	-0.1
11.3	1.6	35	35	4.57	-0.2
11.35	1.43	33.4	33.4	4.29	-0.15
11.4	1.38	34	34	4.06	-0.02
11.45	1.4	36.2	36.2	3.87	-0.17
11.5	1.57	35.2	35.2	4.46	-0.19
11.55	1.63	34.1	34.1	4.77	-0.07
11.6	1.51	33.7	33.7	4.47	0.05

11.65	1.37	33.9	33.9	4.04	-0.17
11.7	1.27	34.4	34.4	3.69	0.06
11.75	1.28	33.6	33.6	3.8	-0.09
11.8	1.24	33	33	3.76	-0.14
11.85	1.37	35.4	35.4	3.88	-0.07
11.9	1.43	38.2	38.2	3.75	0.14
11.95	1.48	38.2	38.2	3.88	-0.03
12	1.49	39.2	39.2	3.8	0.06
12.05	1.4	40	40	3.51	0.15
12.1	1.26	36.3	36.3	3.48	0.11
12.15	1.27	36.2	36.2	3.52	0.02
12.2	1.34	35.6	35.6	3.76	0.07
12.25	1.44	40.4	40.4	3.57	0.11
12.3	1.68	42	42	3.99	0.03
12.35	2.3	44.8	44.8	5.15	-0.39
12.4	4.25	66.5	66.5	6.39	0.26
12.45	5.86	167.8	167.8	3.49	0.34
12.5	9.18	155.7	155.7	5.9	-0.25
12.55	9.94	189.5	189.5	5.24	-0.42
12.6	9.63	168.6	168.6	5.71	-0.4
12.65	11.48	233.3	233.3	4.92	-0.39
12.7	13.32	313.2	313.1	4.26	-2.36
12.75	15.44	306.5	306.4	5.04	-4.09
12.8	9.88	322.1	322	3.07	-3.82
12.85	11.69	322	322	3.63	-4.31
12.9	10.45	311	310.9	3.36	-8.07
12.95	11.98	248.9	248.7	4.81	-9.76
13	8.45	217.3	217.2	3.89	-9.79
13.05	10.16	232	231.8	4.38	-9.48
13.1	12.16	297.6	297.4	4.09	-8.95
13.15	11.61	322.7	322.6	3.6	-9.52
13.2	10.61	352.5	352.4	3.01	-8.49
13.25	11.15	382.9	382.7	2.91	-9.15
13.3	9.33	315.8	315.6	2.96	-9.3
13.35	12.11	282.2	282.1	4.29	-8.87
13.4	9.28	292.1	292	3.18	-9.56
13.45	12.69	285.8	285.6	4.44	-9.55
13.5	10.44	309.1	309	3.38	-9.54
13.55	8.94	343.8	343.7	2.6	-8.96
13.6	12.19	349.3	349.1	3.49	-9.62
13.65	9.8	329.5	329.4	2.98	-9.19
13.7	10.35	339.2	339.1	3.05	-9.48
13.75	11.49	351.5	351.4	3.27	-9.54
13.8	15.33	353	352.9	4.34	-9.44
13.85	13.42	353	352.9	3.8	-9.69
13.9	11.15	268.7	268.6	4.15	-9.31
13.95	12.13	227.2	227	5.34	-9.6

14	8.94	221.9	221.8	4.03	-9.82
14.05	10.09	187.7	187.6	5.38	-9.61
14.1	9.49	190.1	190	4.99	-9.61
14.15	10.16	242.8	242.7	4.19	-9.37
14.2	10.14	319.7	319.6	3.17	-9.52
14.25	9.89	383.9	383.8	2.58	-9.64
14.3	10.22	506.7	506.6	2.02	-9.62
14.35	11.27	619.1	618.9	1.82	-9.58
14.4	9.96	574.1	573.9	1.73	-9.88
14.45	10.65	485.4	485.3	2.19	-9.69
14.5	13.34	384.4	384.3	3.47	-9.39
14.55	11.56	379.1	379	3.05	-9.3
14.6	11.34	427	426.8	2.66	-9.34
14.65	12.42	417.7	417.5	2.97	-9.12
14.7	9.02	382.9	382.7	2.36	-9.04
14.75	10.56	370.3	370.2	2.85	-8.88
14.8	9.85	318.2	318.1	3.1	-9.16
14.85	9.32	300.8	300.7	3.1	-9.19
14.9	9.75	276	275.8	3.53	-9.49
14.95	10.49	272.8	272.7	3.85	-9.3
15	9.21	284.9	284.8	3.23	-9.47
15.05	8.37	274.7	274.6	3.05	-9.08
15.1	8.3	278.7	278.6	2.98	-9.48
15.15	9.3	299.6	299.5	3.1	-9.69
15.2	11.34	296.3	296.2	3.83	-9.42
15.25	8.76	295.2	295	2.97	-9.29
15.3	9.31	302.5	302.4	3.08	-9.71
15.35	10.34	318.6	318.5	3.25	-9.5
15.4	11.67	370.5	370.3	3.15	-9.49
15.45	8.43	452.5	452.4	1.86	-8.93
15.5	10.1	425.5	425.3	2.37	-9.58
15.55	9.82	364.9	364.8	2.69	-9.68
15.6	10.98	352.9	352.8	3.11	-9.74
15.65	11.23	366.7	366.5	3.06	-9.58
15.7	11.02	366	365.9	3.01	-9.23
15.75	10.29	390.5	390.4	2.64	-9.35
15.8	9.99	382.8	382.7	2.61	-9.37
15.85	10.03	332.7	332.6	3.02	-9.09
15.9	10.7	278.1	278	3.85	-9.36
15.95	8.57	167.8	167.7	5.11	-9.29
16	5.61	82.9	82.7	6.78	-9.49
16.05	2.98	60.3	60.2	4.96	-9.25
16.1	1.65	53.7	53.6	3.07	-9.43
16.15	1.42	51.6	51.5	2.75	-9.31
16.2	1.4	51.4	51.2	2.73	-9.19
16.25	1.43	53.7	53.6	2.67	-9.46
16.3	1.44	58.2	58.1	2.49	-9.27

16.35	1.58	62	61.8	2.55	-9.5
16.4	1.63	61.6	61.5	2.65	-9.19
16.45	1.68	64.4	64.3	2.62	-9.23
16.5	1.7	59.9	59.7	2.85	-9.4
16.55	1.65	58.2	58.1	2.84	-9.39
16.6	1.64	60.9	60.8	2.69	-9.52
16.65	1.85	68.8	68.7	2.7	-9.48
16.7	2.2	80	79.9	2.76	-9.7
16.75	2.57	76.8	76.7	3.35	-9.51
16.8	2.81	79.9	79.8	3.52	-9.79
16.85	3.39	83.7	83.6	4.05	-9.58
16.9	4.5	106.6	106.4	4.22	-9.51
16.95	5.02	105.2	105	4.78	-9.82
17	4.07	74.1	73.9	5.5	-9.77
17.05	2.68	52.5	52.3	5.13	-9.92
17.1	1.74	42.4	42.3	4.11	-9.87
17.15	1.48	39.5	39.3	3.75	-10.01
17.2	1.37	42	41.9	3.27	-9.68
17.25	1.39	48.9	48.7	2.85	-9.81
17.3	1.82	57.9	57.8	3.15	-9.85
17.35	3.38	68	67.8	4.98	-9.69
17.4	6.31	126.5	126.3	5	-9.76
17.45	9.55	202.5	202.4	4.72	-9.48
17.5	12.28	276.3	276.1	4.45	-9.54
17.55	9.51	382.5	382.4	2.49	-9.29
17.6	9.99	513.9	513.7	1.94	-9.67
17.65	10.68	564.8	564.7	1.89	-9.68
17.7	11.42	661.1	661	1.73	-9.31
17.75	11.8	651.6	651.5	1.81	-9.05
17.8	7.11	572.7	572.5	1.24	-9.37
17.85	8.47	437.1	437	1.94	-9.55
17.9	8.97	235.8	235.7	3.81	-9.13
17.95	7.2	137.7	137.5	5.24	-9.14
18	5.36	76.4	76.3	7.03	-9.21
18.05	4.39	77.3	77.2	5.68	-8.97
18.1	4.61	121.7	121.6	3.79	-8.88
18.15	4.73	98.9	98.8	4.78	-9.1
18.2	5.23	66.2	66.1	7.91	-9.05
18.25	6.69	139.6	139.4	4.8	-9.04
18.3	7.6	151.7	151.6	5.02	-9.23
18.35	6.65	113	112.9	5.89	-9.01
18.4	4.66	73	72.8	6.4	-9.29
18.45	3.18	56.7	56.5	5.63	-9.23
18.5	1.79	46.5	46.3	3.86	-8.98
18.55	1.41	41.6	41.5	3.41	-8.82
18.6	1.35	39.3	39.2	3.44	-8.79
18.65	1.24	40.2	40.1	3.09	-9.05

18.7	1.28	42.1	42	3.05	-9.13
18.75	1.41	45.5	45.4	3.11	-9.24
18.8	1.69	53.6	53.4	3.16	-9.09
18.85	2.81	65.4	65.2	4.32	-9.04
18.9	3.63	104.8	104.6	3.47	-9.36
18.95	5.5	207.4	207.2	2.65	-9.08
19	7.27	207.2	207	3.51	-9.44
19.05	5.93	114.4	114.2	5.19	-9.17
19.1	4.6	83.5	83.4	5.51	-9.23
19.15	3.18	78.6	78.4	4.05	-9.26
19.2	2.88	59.2	59	4.87	-9.3
19.25	2.3	40.1	40	5.75	-9.31
19.3	1.49	36.5	36.4	4.1	-9.4
19.35	1.18	38.9	38.7	3.04	-9.06
19.4	1.17	37.2	37.1	3.16	-9.35
19.45	1.17	37.2	37.1	3.16	-9.08
19.5	1.21	37.8	37.7	3.21	-9.07
19.55	1.25	40.6	40.5	3.08	-9.23
19.6	1.38	46.6	46.5	2.97	-8.99
19.65	1.8	50.8	50.7	3.56	-9.18
19.7	2.24	53.9	53.8	4.16	-9.03
19.75	2.29	56.9	56.8	4.03	-9.14
19.8	1.94	45.7	45.5	4.26	-9.06
19.85	1.56	37.4	37.3	4.2	-9.13
19.9	1.25	35.2	35	3.57	-9
19.95	1.15	35.4	35.2	3.26	-8.94
20	1.11	35.6	35.4	3.14	-8.82
20.05	1.1	34.8	34.7	3.18	-8.9
20.1	1.1	33.7	33.6	3.28	-9.04
20.15	1.1	34.2	34.1	3.24	-9.17
20.2	1.18	36.7	36.6	3.23	-8.77
20.25	1.22	36.6	36.5	3.35	-9.03
20.3	1.29	37	36.9	3.49	-8.84
20.35	1.25	36.5	36.4	3.42	-9.1
20.4	1.28	37.7	37.6	3.4	-9.13
20.45	1.31	38.7	38.6	3.39	-8.78
20.5	1.71	40.2	40.1	4.26	-8.88
20.55	3.2	55.6	55.5	5.76	-9.08
20.6	4.28	127.6	127.5	3.35	-8.74
20.65	4.92	87	86.9	5.66	-8.73
20.7	5.15	97.3	97.2	5.3	-8.53
20.75	5.63	325.2	325	1.73	-8.47
20.8	7.53	410.1	410	1.84	-8.54
20.85	7.22	428.9	428.7	1.68	-8.44
20.9	7.85	436.9	436.8	1.8	-8.38
20.95	9.56	449.9	449.8	2.13	-8.22
21	10.99	468.9	468.8	2.34	-7.93

21.05	6.58	477.6	477.5	1.38	-7.92
21.1	8.26	447.1	447	1.85	-7.87
21.15	9.53	452.6	452.5	2.11	-6.87
21.2	9.35	430.1	430	2.18	-6.85
21.25	8.66	395.6	395.5	2.19	-6.99
21.3	8.04	372	371.9	2.16	-7.27
21.35	7.26	323.9	323.8	2.24	-7.23
21.4	6.45	200.3	200.2	3.22	-7.52
21.45	5.56	122.2	122.1	4.55	-7.36
21.5	4.74	102.9	102.8	4.61	-7.49
21.55	4.18	94.1	94	4.45	-7.16
21.6	3.06	48	47.9	6.4	-7.6
21.65	1.56	38.8	38.7	4.02	-7.81
21.7	0.98	39	38.9	2.53	-7.64
21.75	1.07	41.3	41.2	2.59	-7.72
21.8	1.06	51.8	51.7	2.05	-7.59
21.85	1.65	52.5	52.4	3.16	-7.61
21.9	2.06	54.1	54	3.82	-7.77
21.95	2.26	66.4	66.3	3.41	-7.55
22	2.58	60.8	60.7	4.25	-7.56
22.05	2.74	51.1	51	5.38	-7.54
22.1	2.66	59.9	59.8	4.45	-7.52
22.15	2.58	58.3	58.2	4.44	-7.43
22.2	2.34	44	43.9	5.33	-7.52
22.25	2.01	41.7	41.6	4.82	-7.57
22.3	1.78	42.9	42.8	4.15	-7.41
22.35	2.44	54.1	54	4.51	-7.43
22.4	3.6	81.1	81	4.45	-7.47
22.45	4.01	69.7	69.5	5.77	-7.68
22.5	3.18	49.9	49.8	6.39	-7.78
22.55	2.12	38.3	38.2	5.54	-7.58
22.6	1.63	37	36.9	4.41	-7.72
22.65	1.45	38.5	38.4	3.78	-7.44
22.7	1.57	37.9	37.8	4.17	-7.26
22.75	2.44	39.4	39.3	6.21	-7.78
22.8	0	93.1	93	0	-7.45
22.85	0	112.2	112.1	0	-7.54

Depth (m)	Sleeve (tsf)	Tip(unc) (tsf)	Tip(cor) (tsf)	F. Ratio (%)	U (psi)
0.05	0	24.3	24.3	0	-0.53
0.1	0.14	41.3	41.3	0.34	0.64
0.15	0.15	35.6	35.6	0.42	-0.03
0.2	0.12	33.4	33.4	0.35	-0.01
0.25	0.14	36.8	36.9	0.38	0.36
0.3	0.17	46.5	46.5	0.36	-0.08
0.35	0.15	49.3	49.3	0.31	-0.02
0.4	0.11	40.8	40.8	0.26	0.03
0.45	0.17	35.4	35.4	0.47	-0.58
0.5	0.14	29.8	29.8	0.47	-0.58
0.55	0.15	28.7	28.8	0.52	1.37
0.6	0.22	29.3	29.3	0.74	0.41
0.65	0.54	34.6	34.6	1.57	0.31
0.7	0.88	48.5	48.5	1.82	-0.34
0.75	1.09	94.6	94.6	1.15	-0.38
0.8	1.17	120.8	120.8	0.97	1.44
0.85	1.02	116.7	116.7	0.88	0.91
0.9	0.89	92.3	92.3	0.97	-0.65
0.95	0.63	80.9	80.9	0.78	-0.64
1	0.56	80.1	80.2	0.7	0.56
1.05	0.52	74.6	74.6	0.7	-0.05
1.1	0.51	71.6	71.6	0.71	0.02
1.15	0.44	72.5	72.5	0.61	-0.02
1.2	0.42	78.9	78.9	0.53	0.62
1.25	0.49	74.2	74.2	0.67	-0.09
1.3	0.59	71.5	71.5	0.82	0.16
1.35	0.61	69.2	69.2	0.89	0.26
1.4	0.64	61.8	61.8	1.03	0.16
1.45	0.63	64	64	0.99	0.86
1.5	0.63	59.6	59.6	1.07	1.11
1.55	0.47	63.1	63.1	0.75	-0.11
1.6	0.54	69.8	69.8	0.78	1.02
1.65	0.63	86.1	86.2	0.73	0.42
1.7	0.79	113.6	113.7	0.69	1.43
1.75	1.07	140.9	140.9	0.76	0.73
1.8	1.32	148.7	148.7	0.89	0.17
1.85	1.4	137.1	137.1	1.02	0.38
1.9	1.38	116.8	116.8	1.18	-0.05
1.95	1.45	89.4	89.4	1.62	-0.44
2	1.89	68	68	2.78	-0.64
2.05	2.24	56.1	56.1	3.99	-0.39
2.1	2.63	51.5	51.5	5.12	1.62
2.15	3.14	50.5	50.5	6.22	0.99
2.2	3.52	54.2	54.2	6.5	1.76

2.25	3.95	60.8	60.9	6.5	2.92
2.3	4.16	64.5	64.5	6.45	2.4
2.35	4.59	74	74	6.21	2.71
2.4	4.94	82	82	6.03	2.76
2.45	5.09	85	85.1	5.98	5.85
2.5	5.9	89.2	89.3	6.61	6.11
2.55	6.42	86.9	87	7.38	6.35
2.6	6.73	94.9	95	7.08	8.89
2.65	6.7	94.8	94.9	7.06	8.63
2.7	6.02	87.2	87.3	6.9	4.58
2.75	5.26	72	72.1	7.3	2.37
2.8	4.6	66.6	66.6	6.9	0.16
2.85	4.1	60	60	6.84	-1
2.9	4.09	59.5	59.5	6.87	-1.67
2.95	4.38	68.1	68.1	6.44	-2.23
3	4.98	85.3	85.3	5.83	0.1
3.05	5.56	92.1	92.1	6.04	-0.1
3.1	6.02	89.9	89.9	6.7	-0.15
3.15	6.06	93.8	93.8	6.46	1.65
3.2	5.71	86.3	86.4	6.61	2.63
3.25	4.91	78.3	78.4	6.26	4.26
3.3	4.23	66.4	66.6	6.36	9.92
3.35	3.83	62.4	62.6	6.12	15.22
3.4	3.91	68.6	68.9	5.67	23.36
3.45	4.09	67.6	68.1	6.01	33.37
3.5	4.25	103.7	104.2	4.08	35.64
3.55	4.86	118.3	118.6	4.09	21.44
3.6	5.25	94	94.3	5.57	20.12
3.65	5.05	80	80.4	6.28	27.43
3.7	4.26	74.1	74.6	5.7	37.76
3.75	3.58	84	84.4	4.24	30.19
3.8	3.55	77	77.2	4.6	18.23
3.85	3.05	53.5	53.7	5.68	13.75
3.9	2.74	47.4	47.6	5.76	18.51
3.95	2.56	55.8	56.1	4.56	21.28
4	2.75	66.2	66.5	4.14	22.44
4.05	3.35	88.8	89.2	3.75	26.76
4.1	3.69	86.5	86.7	4.25	19.32
4.15	3.61	71.6	71.9	5.01	21
4.2	3.1	78.4	78.8	3.93	30.21
4.25	2.51	97.8	98.1	2.56	23.07
4.3	2.26	82	82.2	2.75	15.2
4.35	2.38	53.4	53.6	4.43	15.75
4.4	2.03	49.2	49.5	4.11	15.66
4.45	2.12	49.5	49.7	4.25	15.07
4.5	2.09	45.6	45.9	4.56	18.78
4.55	2.18	47.7	47.9	4.55	18.17

4.6	2.28	51.7	52	4.38	24.99
4.65	2.13	52.3	52.7	4.04	24.37
4.7	2	47.6	48	4.17	27.8
4.75	2.1	52.8	53.3	3.94	41.24
4.8	2.27	87.5	88.1	2.58	45.89
4.85	2.2	91.1	91.4	2.4	27.12
4.9	2.21	53.8	54.1	4.09	20.26
4.95	1.93	42.9	43.1	4.48	13.37
5	1.7	38.7	38.9	4.38	13.64
5.05	1.96	49	49.2	3.99	12.65
5.1	1.98	55.5	55.7	3.55	13.21
5.15	1.76	42.3	42.6	4.14	18.47
5.2	1.72	37.9	38.3	4.5	25.75
5.25	1.59	32	32.4	4.91	25.15
5.3	1.6	35.5	36	4.44	31.85
5.35	1.64	35.5	36	4.55	35.85
5.4	1.8	43.3	43.9	4.11	39.99
5.45	1.98	53.7	54.3	3.64	47.06
5.5	2.02	46.6	47.2	4.28	37.46
5.55	1.98	39.9	40.4	4.89	39.49
5.6	1.76	38	38.7	4.54	47.14
5.65	1.56	37.8	38.4	4.06	47.25
5.7	1.47	36.6	37.3	3.94	49.04
5.75	1.36	36.4	37.1	3.67	50.45
5.8	1.36	36.4	37.2	3.66	54.33
5.85	1.39	37.6	38.4	3.62	54.04
5.9	1.33	38	38.8	3.42	54.48
5.95	1.71	40.1	40.9	4.18	56.69
6	1.85	42.7	43.5	4.24	56.49
6.05	1.95	44.6	45.4	4.29	57.37
6.1	1.94	46.5	47.4	4.1	61.64
6.15	2.01	46.9	47.8	4.2	63.31
6.2	2.09	46.9	47.8	4.36	63.82
6.25	2.08	45.2	46	4.53	62.79
6.3	2.01	42.9	43.7	4.59	63.74
6.35	1.74	41.6	42.5	4.1	65.66
6.4	1.5	40.5	41.4	3.61	69.2
6.45	1.47	42.7	43.6	3.36	69.08
6.5	1.61	47.1	48	3.35	67.65
6.55	1.82	48.6	49.7	3.67	74.16
6.6	1.99	47.5	48.4	4.1	65.72
6.65	2.02	42.8	43.7	4.62	66.06
6.7	1.95	40.6	41.5	4.7	63.87
6.75	1.88	40	40.9	4.59	65.6
6.8	1.93	41.9	42.8	4.5	64.93
6.85	2.06	42.8	43.7	4.72	60.41
6.9	2.17	42.3	43.1	5.04	55.85

6.95	2.09	42.2	42.9	4.87	54.45
7	2.09	40.8	41.6	5.02	56.55
7.05	2.07	41.7	42.5	4.87	53.94
7.1	2	41.1	41.8	4.79	53.33
7.15	2.19	39.1	39.8	5.5	49.74
7.2	1.98	33.4	34.1	5.8	53.53
7.25	1.81	35.2	35.9	5.04	50.72
7.3	1.64	34.1	34.8	4.72	49.48
7.35	1.54	33.3	34	4.54	50.82
7.4	1.41	34.2	35	4.05	53.36
7.45	1.39	36.6	37.4	3.73	58.98
7.5	1.46	35.2	36	4.06	56.42
7.55	1.39	33.7	34.5	4.01	55.34
7.6	1.35	33.9	34.8	3.87	62.72
7.65	1.32	36	36.8	3.57	60.72
7.7	1.31	36.8	37.7	3.48	61.32
7.75	1.27	35.6	36.5	3.48	62.59
7.8	1.27	35.5	36.4	3.49	64.77
7.85	1.24	34.6	35.5	3.48	63.78
7.9	1.19	34.7	35.7	3.32	66.07
7.95	1.11	35.6	36.6	3.03	69.31
8	1.22	37.4	38.4	3.17	72.33
8.05	1.48	40.6	41.7	3.55	77.3
8.1	1.9	54.6	55.8	3.4	88.84
8.15	2.2	62.7	63.7	3.45	69.84
8.2	2.26	58.4	59.5	3.79	77.71
8.25	2.02	53	54.2	3.73	87.73
8.3	2.28	61.3	63	3.62	122.43
8.35	2.98	79.9	81.1	3.67	88.57
8.4	2.84	64	64.5	4.41	35.55
8.45	2.31	45	45.5	5.06	39.89
8.5	1.79	38.2	39	4.58	56.03
8.55	1.43	40.2	40.9	3.5	57.04
8.6	1.25	37.6	38.3	3.26	53.61
8.65	1.21	35.2	36	3.35	57.53
8.7	1.19	36.9	37.7	3.16	61.86
8.75	1.28	40.1	40.9	3.12	62.65
8.8	1.43	39.7	40.6	3.53	61.97
8.85	1.42	37.7	38.6	3.67	64.6
8.9	1.04	38.4	39.3	2.66	64.49
8.95	1.37	37.1	38	3.61	65.98
9	1.38	34.6	35.5	3.89	66.51
9.05	1.38	38	38.9	3.54	67.85
9.1	1.36	38	38.9	3.49	68.23
9.15	1.36	38.2	39.2	3.46	69.25
9.2	1.36	38.3	39.3	3.47	69.39
9.25	1.36	38.6	39.6	3.42	71.85

9.3	1.44	43	44.1	3.26	78.41
9.35	1.45	41.7	42.7	3.39	70.53
9.4	1.58	44.1	45.1	3.5	75.46
9.45	1.73	47.7	48.8	3.54	82.28
9.5	2.41	56.7	58.1	4.15	98.16
9.55	2.84	67.4	68.3	4.16	66.5
9.6	2.73	54.3	55	4.97	48.97
9.65	2.28	46.1	47	4.84	70.09
9.7	1.78	44.3	45.6	3.89	98.16
9.75	1.57	46.4	47.8	3.29	100.16
9.8	1.51	42.9	44.1	3.41	84.46
9.85	1.57	38.8	39.9	3.94	75.65
9.9	1.41	33.3	34.4	4.12	72.97
9.95	1.31	32.5	33.6	3.91	78.2
10	1.37	34.7	35.9	3.82	83.95
10.05	1.34	33.7	34.8	3.85	79.56
10.1	1.33	31.4	32.5	4.1	79.53
10.15	1.2	28.8	29.9	4.03	79
10.2	0.99	27.2	28.2	3.49	77.82
10.25	0.93	26	27.1	3.44	75.36
10.3	0.92	24.7	25.7	3.59	70.08
10.35	0.97	24.1	25.1	3.88	69.25
10.4	0.95	24.4	25.4	3.76	68.8
10.45	0.97	25.8	26.8	3.63	71.37
10.5	0.97	28.2	29.2	3.32	72.93
10.55	1.06	31.6	32.7	3.25	81.18
10.6	1.3	37.5	38.8	3.34	93.38
10.65	1.57	42.9	44.3	3.55	98.88
10.7	1.73	44.9	46.4	3.72	104.99
10.75	1.92	44.2	45.9	4.18	123.07
10.8	1.98	44.7	46.3	4.28	116.76
10.85	2	44.1	45.6	4.38	108.61
10.9	2.02	45	46.8	4.32	130.93
10.95	2.09	45.9	47.6	4.39	120.17
11	2.1	46.4	48	4.38	117.28
11.05	2.01	45.8	47.6	4.23	123.83
11.1	2.02	45.9	47.7	4.23	133.4
11.15	1.95	45.9	47.7	4.1	125.28
11.2	2.13	48.1	50.1	4.25	137.58
11.25	2.03	49.7	51.7	3.94	139.36
11.3	2.01	49.5	51.6	3.89	150.42
11.35	1.9	48.4	50.6	3.76	152.6
11.4	1.79	48.5	50.7	3.53	157.28
11.45	1.68	48.2	50.3	3.34	156.9
11.5	1.74	48.2	50.4	3.45	161.63
11.55	2.35	52.6	54.9	4.28	162.41
11.6	2.15	55.2	56.5	3.81	93.38

11.65	2.13	43.5	44.5	4.79	72.68
11.7	1.91	42.6	43.8	4.35	82.3
11.75	1.61	55.2	56.2	2.87	74.2
11.8	1.73	41.8	42.9	4.02	83.8
11.85	1.66	42.8	44	3.78	86.95
11.9	1.45	42.3	43.4	3.34	83.67
11.95	1.42	41.5	42.8	3.31	92.45
12	1.56	43.4	44.8	3.47	97.21
12.05	1.92	53.9	55.4	3.46	110.54
12.1	1.98	58.5	59.7	3.32	89.27
12.15	1.89	51.2	52.1	3.63	61.43
12.2	1.89	50.2	51.3	3.69	77.35
12.25	1.78	51.5	52.6	3.38	80.91
12.3	1.85	51.6	52.8	3.5	86.59
12.35	1.82	52.7	54	3.38	92.54
12.4	1.63	54.9	56.2	2.9	96.65
12.45	1.55	49.9	51.2	3.02	91.66
12.5	1.26	44.3	45.6	2.78	90.5
12.55	1.12	37.8	39	2.88	91.38
12.6	1.16	35.2	36.5	3.19	90
12.65	1.21	39.3	40.7	2.98	94.18
12.7	1.19	39.4	40.8	2.93	97.24
12.75	1.1	35.1	36.4	3.02	96.66
12.8	1.07	32.8	34.1	3.13	94.68
12.85	1.01	31.7	33	3.05	91.71
12.9	0.96	31.5	32.7	2.95	89.87
12.95	0.9	30.6	31.8	2.82	90.82
13	0.91	31.4	32.8	2.78	96.39
13.05	0.94	33.1	34.5	2.73	98.63
13.1	1.03	32.6	33.9	3.05	96.58
13.15	1.09	31.9	33.3	3.29	97.65
13.2	1.06	31.9	33.2	3.2	99.3
13.25	1.49	50.4	51.7	2.88	96.44
13.3	1.87	59.8	60.8	3.08	70.35
13.35	2.27	47.4	48.2	4.7	56.04
13.4	2.19	42.2	43.1	5.09	61.09
13.45	2.01	45.9	46.9	4.29	74.52
13.5	1.75	43.3	44.1	3.98	59.12
13.55	1.58	38.3	39.2	4.04	67.71
13.6	1.42	41.1	42.1	3.38	71.28
13.65	1.33	39.4	40.4	3.29	70.76
13.7	1.66	38.9	39.9	4.15	71.66
13.75	2.25	43.7	44.8	5.01	76.76
13.8	2.75	54.5	55.5	4.96	67.59
13.85	2.85	57	57.8	4.92	57.75
13.9	2.55	54.6	55.7	4.58	77.7
13.95	2.25	57.7	59.1	3.8	96.37

14	2.01	60.1	61.5	3.27	96.61
14.05	2.02	47.8	49.1	4.12	91.4
14.1	2.2	102.1	103.7	2.12	119.38
14.15	2.43	211.8	212.9	1.14	73.92
14.2	2.51	220	220.1	1.14	8.79
14.25	2.91	227.5	227.5	1.28	2.97
14.3	3.57	262.7	262.7	1.36	0.07
14.35	3.99	287.8	287.8	1.39	0.43
14.4	4.33	287.3	287.3	1.51	-0.29
14.45	5.37	306.5	306.5	1.75	-3.51
14.5	7.41	318.5	318.5	2.33	-4.2
14.55	7.51	307.1	307	2.45	-6
14.6	7.61	281.9	281.8	2.7	-4.7
14.65	6.53	302.9	302.9	2.16	-4.21
14.7	4.99	309.3	309.2	1.61	-3.74
14.75	6.24	331.3	331.3	1.88	-4.18
14.8	5.05	304.4	304.3	1.66	-4.81
14.85	5.24	319.3	319.2	1.64	-4.53
14.9	6.38	355.6	355.5	1.79	-4.08
14.95	7.99	356.6	356.6	2.24	-1.56
15	7.73	366.7	366.8	2.11	1.04
15.05	10.18	411.6	411.7	2.47	3.41
15.1	12.2	460.8	460.9	2.65	3.81
15.15	9.32	471.7	471.8	1.98	7.02
15.2	10.88	518.7	518.8	2.1	9.32
15.25	0	544.2	544.2	0	2.31

Depth (m)	Sleeve (tsf)	Tip(unc) (tsf)	Tip(cor) (tsf)	F. Ratio (%)	U (psi)
0.05	0	10.6	10.6	0	0.27
0.1	0.45	22.8	22.8	1.99	0.44
0.15	0.63	34.9	34.9	1.8	0.36
0.2	0.62	58.8	58.8	1.05	0.43
0.25	1.02	71.5	71.5	1.42	0.11
0.3	1.16	64.4	64.4	1.8	0.21
0.35	0.9	55.4	55.4	1.62	0.33
0.4	0.66	43	43	1.54	-0.17
0.45	0.43	47.2	47.2	0.92	0.26
0.5	0.53	51.9	51.9	1.03	0.1
0.55	0.55	57.2	57.2	0.96	0.07
0.6	0.53	61.7	61.7	0.86	0.11
0.65	0.5	68.7	68.7	0.73	0.34
0.7	0.54	63.8	63.8	0.84	0.38
0.75	0.57	55.6	55.6	1.03	0.15
0.8	0.41	48.3	48.3	0.84	0.36
0.85	0.32	43.8	43.8	0.74	0.27
0.9	0.55	44.1	44.2	1.24	0.69
0.95	1.23	51.1	51.1	2.4	0.57
1	1.41	66.4	66.4	2.12	0.34
1.05	1.21	77.5	77.5	1.57	-0.07
1.1	0.75	63.3	63.3	1.19	-0.17
1.15	0.51	55.7	55.7	0.92	-0.02
1.2	0.45	56.1	56.1	0.81	0.04
1.25	0.52	62.8	62.8	0.83	0.25
1.3	0.61	67.8	67.8	0.89	0.27
1.35	0.63	66.3	66.3	0.95	1.08
1.4	0.56	56.5	56.5	1	0.16
1.45	0.52	50.7	50.7	1.02	-0.09
1.5	0.53	49.7	49.7	1.06	0.61
1.55	0.43	50	50	0.87	0.51
1.6	0.54	49.7	49.7	1.09	0.79
1.65	0.63	47.4	47.4	1.33	0.11
1.7	0.75	56.5	56.5	1.33	0.77
1.75	0.84	89.1	89.1	0.94	-0.05
1.8	1.26	120.4	120.4	1.05	0.59
1.85	1.67	136.5	136.5	1.23	1.87
1.9	1.91	143.4	143.4	1.33	0.22
1.95	2.3	143.6	143.6	1.6	0.45
2	2.35	133	133	1.77	-0.16
2.05	2.39	130.9	130.9	1.82	-0.11
2.1	2.48	133.9	133.9	1.85	-0.27
2.15	2.39	126.4	126.4	1.89	0.63
2.2	2.38	98.4	98.4	2.41	0.57

2.25	2.35	66.1	66.1	3.55	1.36
2.3	2.42	48	48	5.04	0.51
2.35	2.49	43.4	43.4	5.74	1.25
2.4	2.49	44.6	44.6	5.58	0.15
2.45	2.48	48.2	48.2	5.14	-0.09
2.5	2.51	52.7	52.7	4.76	0.63
2.55	2.68	61.7	61.7	4.34	1.09
2.6	3.37	72.2	72.3	4.67	0.23
2.65	4.12	79.9	79.9	5.16	-0.51
2.7	4.64	86.3	86.3	5.38	0.09
2.75	4.97	97.4	97.4	5.1	0.76
2.8	5.25	106.8	106.9	4.91	0.31
2.85	5.26	108.9	108.9	4.83	0.48
2.9	5.31	106.4	106.4	4.99	0.19
2.95	4.94	84.6	84.6	5.85	-0.57
3	4.55	74.8	74.8	6.08	-1.36
3.05	4.18	74.7	74.7	5.6	-0.69
3.1	3.89	73.8	73.8	5.26	0.4
3.15	3.51	72.6	72.6	4.83	1.41
3.2	3.38	68.8	68.8	4.9	1.99
3.25	3.2	62.7	62.8	5.1	2.01
3.3	3.19	61.4	61.4	5.2	1.91
3.35	3.31	63.7	63.7	5.2	-0.84
3.4	3.42	64.8	64.8	5.28	-0.19
3.45	3.28	66.5	66.5	4.93	-0.12
3.5	3.21	69.8	69.8	4.61	0.16
3.55	3.3	67.1	67.1	4.92	-1.22
3.6	3.39	70.4	70.3	4.82	-0.78
3.65	3.58	69	69	5.19	-0.9
3.7	3.56	64.4	64.4	5.53	-1.32
3.75	3.34	58.4	58.4	5.71	-1.26
3.8	3.22	64.8	64.8	4.98	-0.32
3.85	3.57	76.1	76	4.7	-1.81
3.9	3.34	67.5	67.5	4.96	-0.49
3.95	2.8	47.9	47.9	5.84	-1.42
4	1.78	44.2	44.2	4.03	-3.09
4.05	1.73	47.1	47.1	3.66	-2.44
4.1	2.5	65.8	65.8	3.79	-2.53
4.15	3.77	104.6	104.6	3.6	-3.2
4.2	5.14	125.4	125.4	4.1	-2.42
4.25	5.57	135.7	135.7	4.11	0.7
4.3	5.7	125.1	125.2	4.56	0.71
4.35	4.96	126.1	126.1	3.93	0.59
4.4	3.98	116.2	116.2	3.43	0.59
4.45	3.2	106.3	106.3	3.01	0.98
4.5	2.96	83	83	3.57	0.59
4.55	2.88	56.4	56.4	5.1	0.91

4.6	2.3	35.9	35.9	6.42	0.88
4.65	1.57	28	28	5.61	1.59
4.7	1.05	26.7	26.8	3.92	2.25
4.75	1.57	30.3	30.3	5.19	2.52
4.8	2.43	64.5	64.6	3.76	3.12
4.85	4.01	177	177.1	2.27	3.13
4.9	5.21	227.3	227.3	2.29	2.52
4.95	5.49	199.8	199.9	2.75	2.43
5	4.72	157.8	157.8	2.99	1.59
5.05	4.41	109.9	109.9	4.01	1.45
5.1	3.54	65.4	65.4	5.4	1.48
5.15	2.58	54.2	54.2	4.76	2.61
5.2	1.92	42.4	42.5	4.53	3.97
5.25	1.26	35.1	35.1	3.59	3.75
5.3	1.21	36.5	36.6	3.31	4.1
5.35	1.33	33.4	33.4	3.99	3.7
5.4	1.36	30.6	30.6	4.44	3.52
5.45	1.22	28.5	28.6	4.26	3.59
5.5	1.05	27.5	27.6	3.81	3.78
5.55	0.86	26.1	26.2	3.3	3.79
5.6	0.95	27	27	3.5	3.92
5.65	1.16	30.4	30.5	3.8	3.53
5.7	1.65	48.4	48.5	3.41	4.33
5.75	2.15	65.7	65.8	3.27	4.1
5.8	2.46	57.8	57.9	4.25	4.13
5.85	2.12	39.9	40	5.31	4.18
5.9	1.7	36.7	36.7	4.64	5.75
5.95	1.48	37.7	37.8	3.92	6.96
6	1.46	36.6	36.7	4	6.82
6.05	1.39	34.9	35	3.97	6.79
6.1	1.25	34.7	34.8	3.6	6.95
6.15	1.15	36.2	36.3	3.18	7.15
6.2	1.21	37.4	37.5	3.24	7.47
6.25	1.26	37.7	37.8	3.33	6.98
6.3	1.31	38.7	38.8	3.37	7.11
6.35	1.28	41.2	41.3	3.1	7.7
6.4	1.35	41.7	41.8	3.22	7.13
6.45	1.55	44.3	44.4	3.49	7.34
6.5	1.7	45.1	45.2	3.75	7.16
6.55	1.72	46.2	46.3	3.72	7.22
6.6	1.82	46.5	46.6	3.9	6.93
6.65	1.87	50.1	50.2	3.72	7.19
6.7	1.84	45.6	45.7	4.04	6.74
6.75	1.82	40.4	40.5	4.5	6.65
6.8	1.8	41.9	42	4.29	7.18
6.85	2.02	50.6	50.7	3.99	7.53
6.9	1.97	51.6	51.7	3.81	6.72

6.95	2.07	43.9	44	4.69	7.05
7	1.94	43	43.1	4.5	7.15
7.05	1.94	44.1	44.2	4.39	7.68
7.1	1.99	45.3	45.4	4.38	8.02
7.15	1.98	47.3	47.4	4.18	7.08
7.2	2.04	46	46.1	4.42	7.45
7.25	2.05	46.9	47	4.37	7.6
7.3	2.37	46.9	47	5.03	7.05
7.35	2.24	43.7	43.8	5.12	7.06
7.4	2.06	41.6	41.7	4.95	7.45
7.45	1.96	42.4	42.5	4.62	7.38
7.5	1.97	41.5	41.6	4.73	7.48
7.55	2	37.5	37.6	5.32	7.43
7.6	1.78	36	36.1	4.94	7.33
7.65	1.71	37.1	37.2	4.59	7.6
7.7	1.7	37.9	38	4.48	7.45
7.75	1.7	38	38.1	4.46	7.25
7.8	1.87	42.7	42.8	4.36	7.9
7.85	2.04	55.6	55.7	3.66	8.04
7.9	2.86	78	78.1	3.67	8.57
7.95	3.87	192.3	192.4	2.01	8.58
8	5.29	289.5	289.6	1.83	7.4
8.05	6.12	309.8	309.9	1.97	6.74
8.1	6.49	298.7	298.8	2.17	6.55
8.15	7.22	222.5	222.6	3.25	5.55
8.2	6.23	122.1	122.2	5.1	5.66
8.25	3.77	73.6	73.7	5.12	8.22
8.3	2.86	51.6	51.8	5.52	11.86
8.35	1.79	60.8	61	2.94	13.26
8.4	1.54	50.7	50.9	3.02	13.93
8.45	1.43	43.6	43.8	3.25	14.14
8.5	0.41	42.2	42.4	0.96	14.16
8.55	1.09	41.1	41.3	2.65	14.39
8.6	1.13	29.4	29.6	3.81	14.57
8.65	1.28	42.9	43.1	2.98	15.03
8.7	1.41	48.8	49	2.88	15.18
8.75	1.88	56.2	56.4	3.33	16.17
8.8	2.93	81.8	82	3.57	16.69
8.85	4.28	119.3	119.5	3.58	15.9
8.9	5.56	174.1	174.4	3.19	21.33
8.95	6.31	205	205.3	3.08	18.02
9	5.58	128.8	128.9	4.33	12.39
9.05	3.56	70.4	70.6	5.04	10.14
9.1	2.4	52.6	52.8	4.55	13.52
9.15	1.85	59	59.2	3.13	14.92
9.2	2.24	54.1	54.3	4.13	16.71
9.25	2.79	60.8	61.1	4.58	19.12

9.3	3.29	66.2	66.5	4.94	19
9.35	2.93	48.4	48.7	6.03	17.99
9.4	1.96	41.4	41.6	4.71	20.56
9.45	1.43	39.1	39.4	3.63	22.9
9.5	1.41	38.4	38.7	3.63	24.61
9.55	1.73	37.8	38.2	4.54	25.72
9.6	1.72	47.1	47.4	3.63	26.58
9.65	1.69	49.3	49.8	3.4	30.44
9.7	1.57	41.7	42.1	3.72	30.24
9.75	1.34	37.6	38	3.53	30.08
9.8	1.39	39.2	39.7	3.51	30.37
9.85	1.25	37.8	38.2	3.28	29.47
9.9	1.83	42.4	42.8	4.28	31.35
9.95	2.5	64.2	64.6	3.87	28.8
10	2.57	51.8	52.1	4.94	25.86
10.05	2.19	40.7	41.1	5.33	29.74
10.1	1.76	41.3	41.7	4.21	31.6
10.15	1.51	39.9	40.4	3.74	31.26
10.2	1.37	39.4	39.9	3.43	33.85
10.25	1.21	39.4	39.9	3.04	33.11
10.3	1.25	38.4	38.9	3.21	32.47
10.35	1.27	32.1	32.5	3.91	30.49
10.4	1.19	29.3	29.8	4.01	30.42
10.45	1.15	28	28.4	4.03	30.26
10.5	1	26.7	27.1	3.7	29.79
10.55	0.93	26.1	26.5	3.51	30.79
10.6	0.83	25.1	25.5	3.24	30.73
10.65	0.87	27.1	27.5	3.16	30.69
10.7	0.96	29.2	29.7	3.25	30.33
10.75	1.02	29.5	30	3.41	30.46
10.8	0.96	28.4	28.8	3.35	30.83
10.85	0.93	28.3	28.7	3.22	30.2
10.9	0.86	30	30.4	2.84	31.68
10.95	0.87	29.6	30	2.91	31.65
11	0.9	28.2	28.6	3.14	30.35
11.05	0.88	26.2	26.6	3.29	30.67
11.1	0.78	25.7	26.2	2.98	31.23
11.15	0.8	25.3	25.8	3.1	30.75
11.2	0.85	28.2	28.6	2.96	30.95
11.25	0.96	29.8	30.2	3.19	30.41
11.3	1.05	29.8	30.2	3.46	30.46
11.35	1.08	30.4	30.8	3.51	31.41
11.4	1.08	32.4	32.8	3.3	31.96
11.45	1.11	37.2	37.6	2.96	33.48
11.5	1.25	43.1	43.5	2.88	34.84
11.55	1.51	51.2	51.7	2.93	35.91
11.6	1.85	54.8	55.3	3.34	35.81

11.65	2.17	54.5	55	3.95	36.29
11.7	2.13	54.7	55.2	3.85	36.39
11.75	2.29	53.4	53.9	4.25	36.27
11.8	2.28	50.1	50.6	4.51	36.35
11.85	2.09	46.3	46.8	4.47	36.68
11.9	1.9	44.5	45	4.23	37.61
11.95	1.72	47	47.5	3.63	38.51
12	1.81	50.9	51.4	3.51	38.46
12.05	2.12	52.7	53.3	3.97	38.87
12.1	2.38	54.2	54.8	4.35	39.13
12.15	2.31	54.8	55.3	4.17	39.64
12.2	2.07	52.2	52.8	3.93	40.39
12.25	1.89	51.6	52.2	3.61	41.73
12.3	1.78	51.8	52.4	3.4	41.6
12.35	1.89	49.7	50.3	3.75	41.05
12.4	2.01	48.5	49	4.1	40.01
12.45	1.85	44	44.5	4.15	39.37
12.5	1.64	41.9	42.5	3.85	40.53
12.55	1.53	42.7	43.3	3.53	39.99
12.6	1.52	43	43.6	3.49	39.25
12.65	1.61	41.4	41.9	3.84	39.56
12.7	1.68	39.5	40	4.2	39.2
12.75	1.77	38.1	38.6	4.58	38.75
12.8	2.04	39.8	40.4	5.05	38.78
12.85	2.17	48.4	48.9	4.44	35.26
12.9	1.66	40.8	41.4	4.01	38.26
12.95	1.35	39.3	39.8	3.4	39.06
13	1.35	35.1	35.7	3.79	37.89
13.05	1.42	37.7	38.3	3.71	39.26
13.1	1.39	39	39.6	3.5	38.93
13.15	1.37	38.3	38.8	3.52	38.9
13.2	1.34	35	35.5	3.78	38.81
13.25	1.25	32.2	32.7	3.83	38.92
13.3	1.18	31.6	32.1	3.67	39.16
13.35	1.05	32.5	33	3.2	39.45
13.4	1.08	32.4	32.9	3.29	39.23
13.45	1.07	31.8	32.3	3.32	38.44
13.5	1.23	31.8	32.3	3.82	38.47
13.55	1.19	31.9	32.5	3.66	38.16
13.6	1.45	34.6	35.1	4.13	39.51
13.65	1.51	41.3	41.8	3.61	38.85
13.7	1.68	43.4	44	3.82	39.04
13.75	1.59	39.3	39.8	3.99	39.09
13.8	1.54	39.7	40.3	3.83	41.73
13.85	1.35	38.4	39	3.46	38.96
13.9	1.26	36.2	36.7	3.43	41.04
13.95	1.26	35.4	36	3.5	40.79

14	1.16	33.6	34.2	3.41	44
14.05	1.15	34	34.6	3.31	45.48
14.1	1.43	38.5	39.2	3.65	47.41
14.15	2.21	49.4	50.1	4.41	50.48
14.2	3.86	88.3	89.1	4.33	56.76
14.25	5.92	168.4	169.1	3.5	49.04
14.3	10.03	180.2	180.7	5.55	31.43
14.35	9.12	201.5	201.8	4.52	20.93
14.4	8.58	160.4	161.1	5.33	48.39
14.45	9.17	247.2	248.2	3.69	71.83
14.5	11.39	236.1	236.4	4.82	23.73
14.55	10.22	241.5	241.8	4.23	20.41
14.6	11.15	245.3	245.6	4.54	22.15
14.65	10.91	176.3	176.5	6.18	12.32
14.7	8.16	147.1	147.3	5.54	14.09
14.75	8.69	173.5	173.8	5	24.1
14.8	8.55	165.1	165.5	5.17	24.79
14.85	8.38	114.3	114.6	7.32	22.15
14.9	8.13	130.1	130.5	6.23	26.47
14.95	7.94	135.9	136.2	5.83	25.68
15	9.27	156.1	156.6	5.92	38.38
15.05	10.7	178.2	178.8	5.98	44.96
15.1	8.02	225.2	225.7	3.55	38.52
15.15	4.93	180.6	180.8	2.73	12.49
15.2	4.51	185.6	185.7	2.43	7.84
15.25	4.67	189.4	189.5	2.46	4.33
15.3	4.32	227.8	227.8	1.9	4.55
15.35	5.4	276.8	276.8	1.95	4.05
15.4	4.35	294.5	294.6	1.48	3.79
15.45	5.45	289.7	289.8	1.88	4.68
15.5	5.1	352.6	352.6	1.44	3.08
15.55	4.86	392.3	392.3	1.24	0.37
15.6	6.92	554	554	1.25	-2.77
15.65	11.21	519.8	519.8	2.16	-3.67
15.7	14.81	538.8	538.7	2.75	-3.97
15.75	11.88	454.6	454.5	2.61	-4.41
15.8	6.25	399.7	399.7	1.56	-3.83
15.85	6.31	441.4	441.3	1.43	-1.99
15.9	8.05	430	430	1.87	3.41
15.95	9.79	462	461.9	2.12	-6.85
16	11.63	470	469.9	2.48	-6.48
16.05	8.78	477.2	477.2	1.84	-5.91
16.1	11.38	469.5	469.4	2.42	-5.69
16.15	9.39	537.9	537.9	1.75	-6.29
16.2	11.44	512.9	512.8	2.23	-5.29

Depth (m)	Sleeve (tsf)	Tip(unc) (tsf)	Tip(cor) (tsf)	F. Ratio (%)	U (psi)
0.05	0	9.6	9.6	0	0.86
0.1	0.26	17.6	17.6	1.49	0.97
0.15	0.33	28.2	28.2	1.18	0.97
0.2	0.4	38.1	38.1	1.04	0.69
0.25	0.79	67.7	67.7	1.17	1.26
0.3	0.98	83.4	83.4	1.17	2.2
0.35	0.92	70.9	71	1.29	3.38
0.4	0.81	62.7	62.8	1.29	5.63
0.45	0.67	58.5	58.6	1.15	4.19
0.5	0.69	64.5	64.6	1.07	2.78
0.55	0.68	79.5	79.6	0.85	4.29
0.6	0.73	59.4	59.4	1.23	2.3
0.65	0.49	49	49	1	0.31
0.7	0.37	42.8	42.8	0.87	2.13
0.75	0.2	34.6	34.6	0.58	-0.36
0.8	0.15	31.9	31.9	0.48	-0.31
0.85	0.25	28.5	28.5	0.87	-0.58
0.9	0.22	29.3	29.3	0.76	-0.19
0.95	0.29	27.9	28	1.03	0.36
1	0.36	30.4	30.4	1.18	0.91
1.05	0.35	32.9	32.9	1.07	0.78
1.1	0.49	42.8	42.9	1.15	2.22
1.15	0.49	46	46	1.07	1.82
1.2	0.44	40.1	40.1	1.09	2.73
1.25	0.39	37	37	1.06	2.81
1.3	0.41	35.9	35.9	1.13	2.34
1.35	0.51	32.6	32.6	1.56	0.75
1.4	0.53	36.6	36.7	1.46	1
1.45	0.55	42.5	42.5	1.3	1.37
1.5	0.93	47.6	47.6	1.95	2.18
1.55	1.08	61.5	61.5	1.75	2.24
1.6	1.31	93.7	93.8	1.4	3.53
1.65	1.85	101.3	101.3	1.82	2.56
1.7	2.06	111.2	111.3	1.86	4.58
1.75	2.36	123.4	123.5	1.91	7.37
1.8	2.15	133.6	133.7	1.6	6.85
1.85	1.75	135.7	135.8	1.29	6.59
1.9	1.38	127	127.1	1.08	4.33
1.95	1.08	122.8	122.8	0.88	3.8
2	1.05	110.6	110.7	0.95	4.24
2.05	0.92	103.7	103.7	0.89	3.69
2.1	0.87	103.3	103.4	0.84	5.65
2.15	0.69	94	94.1	0.73	3.22
2.2	0.57	76.4	76.4	0.74	3.07

2.25	0.55	65	65	0.84	2.98
2.3	0.71	58.8	58.8	1.2	3.17
2.35	1.06	59	59	1.8	3.07
2.4	1.48	59.5	59.6	2.48	3.59
2.45	1.8	47.7	47.8	3.77	4.72
2.5	1.81	42.4	42.5	4.26	6.6
2.55	1.46	34.1	34.2	4.28	6.65
2.6	1.37	24.1	24.1	5.67	5.15
2.65	1.38	19.1	19.2	7.2	4.08
2.7	1.31	19.8	19.9	6.57	4.23
2.75	1.26	20	20.1	6.27	4.55
2.8	1.26	21.8	21.9	5.75	4.9
2.85	1.33	23.7	23.8	5.6	5.29
2.9	1.46	24.1	24.2	6.04	5.71
2.95	1.48	24.5	24.6	6.04	5.88
3	1.51	25.3	25.4	5.97	7.11
3.05	1.64	27.7	27.8	5.91	8.22
3.1	1.87	29.6	29.7	6.29	7.97
3.15	2.08	32.1	32.3	6.46	8.65
3.2	2.34	34.3	34.5	6.79	9.7
3.25	2.53	37.2	37.4	6.78	9.83
3.3	2.73	39.3	39.5	6.92	11.22
3.35	2.72	38.6	38.7	7.03	12.18
3.4	2.58	35.2	35.4	7.29	11.59
3.45	2.58	37.5	37.7	6.86	11.48
3.5	2.42	37.5	37.7	6.43	11.7
3.55	2.52	33.6	33.7	7.48	9.41
3.6	2.36	30.1	30.2	7.83	8.61
3.65	1.99	28.5	28.6	6.95	6.45
3.7	1.79	28.8	28.9	6.19	6.94
3.75	2.29	30.6	30.7	7.46	7.42
3.8	2.42	67.4	67.5	3.58	9.13
3.85	2.48	72.7	72.8	3.41	6.97
3.9	2.52	49.3	49.4	5.11	6.75
3.95	2.63	47.6	47.7	5.51	8.5
4	2.72	49.8	49.9	5.45	11.12
4.05	2.87	64.7	64.9	4.42	16.83
4.1	3.21	78.9	79.2	4.05	22.06
4.15	3.24	89.9	90.2	3.6	18.78
4.2	2.67	58.9	59.1	4.51	11.15
4.25	2.29	42.4	42.7	5.36	17.95
4.3	2.31	48.5	48.8	4.74	22.49
4.35	2.02	62.6	62.8	3.21	16.55
4.4	2.44	51.1	51.3	4.76	15.99
4.45	2.65	75.2	75.6	3.51	22.64
4.5	2.57	84.5	84.8	3.03	18.75
4.55	1.98	52.4	52.7	3.77	19.05

4.6	1.43	30.4	30.6	4.68	15.35
4.65	1.05	23.5	23.7	4.41	14.09
4.7	0.93	17.9	18.1	5.12	13.62
4.75	1.17	26.2	26.4	4.43	14.82
4.8	1.14	32.6	32.8	3.48	14.41
4.85	1.02	22.1	22.3	4.58	14.06
4.9	1.03	22.3	22.5	4.56	15.06
4.95	0.91	23.3	23.5	3.89	13.32
5	0.81	17.1	17.3	4.7	12.65
5.05	0.91	20.4	20.6	4.44	13.85
5.1	0.87	24.3	24.5	3.53	13.97
5.15	0.88	18.6	18.8	4.67	14.07
5.2	0.8	18.4	18.6	4.27	14.25
5.25	0.79	19.7	19.9	3.99	14.04
5.3	0.7	20.5	20.7	3.38	13.95
5.35	0.72	19.9	20.1	3.58	14.23
5.4	0.64	22.9	23.1	2.78	14.5
5.45	0.53	18	18.2	2.94	13.18
5.5	0.48	15.9	16	3	13.87
5.55	0.47	16.3	16.5	2.85	14.64
5.6	0.5	16.4	16.6	3.03	14.02
5.65	0.64	18	18.2	3.49	14.52
5.7	0.73	18.9	19.2	3.84	14.92
5.75	0.88	19.3	19.5	4.52	14.82
5.8	1.07	23.6	23.8	4.49	15.12
5.85	1.09	29.3	29.5	3.68	14.87
5.9	1.1	30.5	30.7	3.57	16.24
5.95	1.42	35.1	35.3	4.02	16.91
6	1.79	54.5	54.7	3.27	16.64
6.05	1.64	49.8	50	3.28	15.89
6.1	1.39	28.6	28.8	4.81	17.7
6.15	1.1	24.7	24.9	4.41	19.51
6.2	1.01	25.4	25.7	3.92	19.15
6.25	1.2	26.9	27.2	4.41	19.22
6.3	1.28	26.7	27	4.74	18.63
6.35	1.31	27.4	27.7	4.71	19.42
6.4	1.31	27.3	27.6	4.75	19.6
6.45	1.27	27.5	27.8	4.56	19.88
6.5	1.32	29.3	29.5	4.47	20.81
6.55	1.35	31.6	31.8	4.25	19.75
6.6	1.4	33.2	33.5	4.2	20.53
6.65	1.42	33.1	33.4	4.25	21.69
6.7	1.31	32.2	32.5	4.05	21.92
6.75	1.27	31.9	32.2	3.95	22.44
6.8	1.23	33.6	33.9	3.63	22.84
6.85	1.27	34.7	35	3.62	23.49
6.9	1.53	35	35.4	4.34	23.63

6.95	1.87	40.5	40.9	4.58	23.44
7	1.65	40.6	40.9	4.04	21.64
7.05	1.55	39.5	39.8	3.9	21.91
7.1	1.45	41.7	42.1	3.45	24.27
7.15	1.48	40.3	40.6	3.65	24.95
7.2	1.7	38.1	38.5	4.41	25.1
7.25	1.85	39.8	40.2	4.59	25.62
7.3	1.79	41.5	41.9	4.26	26.05
7.35	2.31	47.8	48.1	4.8	26.1
7.4	3.25	75.4	75.8	4.28	29.49
7.45	4.02	122.7	123.2	3.27	34.33
7.5	4.04	172.8	173.3	2.33	38.7
7.55	3.97	171	171.4	2.32	29.52
7.6	3.81	168.3	168.6	2.26	22.92
7.65	4.69	156.5	156.9	2.99	27.06
7.7	5.29	125.1	125.6	4.21	39.53
7.75	5.06	94.1	94.6	5.35	33.61
7.8	5.1	101.5	102.5	4.98	70.51
7.85	4.67	136	137.1	3.4	81.74
7.9	3.95	248	249.3	1.58	91.99
7.95	3.6	292.1	292.5	1.23	34.21
8	4.21	243.7	244.1	1.73	24.39
8.05	3.77	135.8	136	2.77	17.16
8.1	2.96	70.6	70.8	4.18	14.21
8.15	2.35	42	42.3	5.57	15.7
8.2	1.4	39	39.3	3.57	19.74
8.25	1.15	39.3	39.6	2.91	21.47
8.3	1.16	41.3	41.6	2.78	22.74
8.35	1.27	41.5	41.8	3.04	23.43
8.4	1.38	42.8	43.1	3.2	24
8.45	1.41	42	42.4	3.32	24.72
8.5	1.35	41.1	41.5	3.26	26.88
8.55	1.32	40	40.4	3.28	27.57
8.6	1.27	39.1	39.5	3.21	27.88
8.65	1.36	36.1	36.5	3.73	26.61
8.7	1.41	33.3	33.7	4.18	25.48
8.75	1.4	30.8	31.1	4.48	23.77
8.8	1.33	28.5	28.8	4.6	23.01
8.85	1.18	28.2	28.5	4.13	23.85
8.9	1.09	30.5	30.8	3.53	24.39
8.95	1.12	37	37.3	3	25.47
9	1.21	39.3	39.7	3.06	27.97
9.05	1.27	39.5	39.9	3.17	28.28
9.1	1.33	43.8	44.2	3.01	30.12
9.15	1.33	43.8	44.2	3.02	31.32
9.2	0.5	46.5	46.9	1.07	31.86
9.25	1.91	46.7	47.2	4.05	33.76

9.3	1.67	35.4	35.9	4.64	31.7
9.35	1.46	39	39.4	3.72	28.73
9.4	1.19	38	38.4	3.09	31.49
9.45	1.14	38.2	38.7	2.95	32.87
9.5	1.11	37.9	38.4	2.9	34.22
9.55	1.05	34.7	35.1	3	35.7
9.6	1.03	32	32.5	3.18	36.56
9.65	1.03	31.4	31.9	3.22	36.23
9.7	0.99	31.7	32.2	3.07	35.63
9.75	0.97	29.5	30	3.25	35.48
9.8	0.97	27.4	27.8	3.47	34.71
9.85	0.92	27.6	28.1	3.27	35.92
9.9	0.94	29.4	29.9	3.13	36.17
9.95	0.96	34.5	35	2.75	37.41
10	1.05	36.7	37.3	2.81	40.54
10.05	1.15	37.4	38	3.01	42.21
10.1	1.24	38.1	38.7	3.2	43.16
10.15	1.27	37.7	38.2	3.32	42.78
10.2	1.56	39	39.6	3.95	44.97
10.25	2.1	43.8	44.4	4.73	45.21
10.3	2.68	65.8	66.4	4.04	43.82
10.35	2.74	65.6	66.1	4.14	32.47
10.4	2.61	44.1	44.7	5.83	43.49
10.45	2	38	38.6	5.18	43.15
10.5	1.57	37.7	38.4	4.1	50.02
10.55	1.5	38.2	38.9	3.85	49.6
10.6	1.36	37.8	38.4	3.55	48.84
10.65	1.29	36	36.6	3.53	48.4
10.7	1.3	37	37.7	3.43	49.35
10.75	1.23	35.3	36	3.42	48.98
10.8	1.3	31.9	32.6	3.98	49.4
10.85	1.32	30	30.7	4.32	48.16
10.9	1.26	28.7	29.3	4.29	47.59
10.95	1.21	30.1	30.7	3.93	48.67
11	1.19	31.4	32.1	3.71	48.69
11.05	1.26	33.1	33.8	3.73	50.15
11.1	1.24	32.1	32.8	3.78	50.6
11.15	1.26	30.3	30.9	4.07	49.92
11.2	1.12	28.1	28.8	3.89	49.09
11.25	0.9	25.4	26.1	3.46	48.1
11.3	0.96	23.9	24.6	3.89	47.94
11.35	0.9	23	23.7	3.81	48.3
11.4	0.92	25.2	25.9	3.55	49.38
11.45	0.95	27.6	28.4	3.35	51.42
11.5	1.02	30.7	31.4	3.26	53.34
11.55	1.06	29.4	30.1	3.51	53.85
11.6	1.11	29.2	30	3.7	53.53

11.65	1.05	34.6	35.3	2.98	56.95
11.7	1.01	37	37.8	2.68	59.62
11.75	1.06	34	34.8	3.06	59.06
11.8	1.03	30.1	30.9	3.34	56.16
11.85	1.08	31.2	32	3.38	56.6
11.9	1.12	32.1	32.9	3.4	56.33
11.95	1.18	32.6	33.3	3.55	56.34
12	1.29	36.4	37.3	3.45	59.87
12.05	1.45	41.5	42.3	3.43	59.94
12.1	1.71	41.1	42	4.07	60.71
12.15	1.8	44.7	45.7	3.95	70.54
12.2	1.88	46.8	47.8	3.94	70.85
12.25	1.94	46.1	47.1	4.11	73.94
12.3	2.13	47.4	48.4	4.39	75.27
12.35	2.26	46.7	47.8	4.73	75.59
12.4	2.28	46.1	47.2	4.83	75.94
12.45	2.14	44.7	45.7	4.67	73.38
12.5	1.99	41.3	42.3	4.7	73.28
12.55	1.67	39.7	40.7	4.1	74.08
12.6	1.51	39	40.1	3.78	76.63
12.65	1.6	44.3	45.4	3.53	80.07
12.7	1.9	48.5	49.6	3.83	83.7
12.75	2.19	48.1	49.3	4.44	85.1
12.8	2.28	48.3	49.5	4.61	86.87
12.85	2.12	48.1	49.3	4.3	86.47
12.9	1.94	47.5	48.8	3.97	88.33
12.95	1.79	45	46.2	3.87	85.68
13	1.68	43.6	44.8	3.75	82.89
13.05	1.67	42.8	43.9	3.81	77.48
13.1	1.56	41.5	42.6	3.65	79.55
13.15	1.46	40.5	41.6	3.52	81.08
13.2	1.37	42.4	43.5	3.16	82.38
13.25	1.6	42.3	43.5	3.67	84.01
13.3	1.53	44.9	46.1	3.32	82.59
13.35	1.51	44.6	45.8	3.28	87.08
13.4	1.34	42.6	43.8	3.05	85.77
13.45	1.35	43.3	44.5	3.04	87.71
13.5	1.63	51.2	52.5	3.11	92.32
13.55	1.73	60	61.2	2.83	87.19
13.6	1.69	65.3	66.5	2.54	87.05
13.65	1.5	55.1	56.3	2.66	83.87
13.7	1.4	47	48.2	2.91	84.44
13.75	1.31	37.5	38.7	3.38	83.4
13.8	1.26	33.3	34.4	3.67	79.52
13.85	1.07	31.4	32.5	3.29	79.59
13.9	1.09	31.7	32.8	3.31	81.11
13.95	1.21	32.9	34	3.55	81.15

14	1.4	35.1	36.3	3.85	79.8
14.05	1.48	34.6	35.7	4.14	80.58
14.1	1.4	34.5	35.7	3.93	84.28
14.15	1.31	33.4	34.5	3.8	83.35
14.2	1.23	33.6	34.8	3.55	83.67
14.25	1.32	33.4	34.5	3.82	80.63
14.3	1.49	35.4	36.6	4.06	85.39
14.35	2	42.7	43.9	4.55	86.82
14.4	3.35	77.9	79.2	4.23	95.24
14.45	4.31	132.3	132.8	3.25	37.46
14.5	4.16	71.3	71.6	5.81	19.41
14.55	4.11	55.4	55.7	7.38	23.76
14.6	4.9	63.3	63.7	7.7	29.53
14.65	6.23	116.4	117	5.32	45.26
14.7	8.5	285.5	286.4	2.97	64.28
14.75	10.92	343	343.8	3.18	61.25
14.8	10.55	310.7	311.8	3.38	76.58
14.85	9.74	336.4	337.2	2.89	60.42
14.9	7.93	323.6	323.8	2.45	11.75
14.95	6.2	307	307.2	2.02	11
15	6.6	309.9	310	2.13	10.64
15.05	6.63	296.6	296.8	2.23	10.57
15.1	8.27	280.3	280.5	2.95	15.24
15.15	6.29	311.2	311.6	2.02	27.14
15.2	6.52	316.2	316.6	2.06	31.34
15.25	7.72	325.2	325.6	2.37	27.45
15.3	8.55	356.3	356.7	2.4	26.45
15.35	9.09	358	358.4	2.54	27.27
15.4	9.16	369.9	370.4	2.47	33.54
15.45	9.76	371.7	372.2	2.62	37.89
15.5	10.01	358.9	359.5	2.78	40.64
15.55	9.81	313.8	314.3	3.12	38.51
15.6	9.02	314.7	315.3	2.86	38.87
15.65	8.73	306.7	307.3	2.84	37.35
15.7	8.41	270.7	271.3	3.1	39.84
15.75	8.09	259.5	260.1	3.11	41.23
15.8	8.94	311.2	311.8	2.87	41.33
15.85	9.53	371.2	371.8	2.56	47.37
15.9	10.44	426.9	427.7	2.44	54.8
15.95	10.83	470.2	471.2	2.3	69.3
16	11.23	481.8	482.6	2.33	63.71
16.05	10.12	460.8	461.6	2.19	52.45
16.1	8.49	415.6	416.3	2.04	49.5
16.15	8.2	388.8	389.5	2.1	52.74
16.2	7.56	382.4	383.1	1.97	54.09
16.25	6.96	452.3	453.1	1.54	52.85
16.3	7.73	505.6	506.3	1.53	49.36

16.35	8.36	557.9	558.6	1.5	53.35
16.4	9.72	565.5	566.4	1.72	66.98
16.45	10.92	575.9	576.9	1.89	73.37
16.5	11.24	575.1	576	1.95	62.3
16.55	11.61	516.9	517.7	2.24	57.67
16.6	11.51	488.8	489.6	2.35	61.73
16.65	11.54	526.4	527.7	2.19	93.92
16.7	11.09	547.7	548.8	2.02	79.14
16.75	10.13	498.6	499.9	2.03	91.73
16.8	9.78	499.1	500.2	1.96	83.11
16.85	9.79	498.8	500	1.96	84.82
16.9	10.29	487.9	489	2.1	79.66
16.95	10.27	470.9	472.1	2.18	90.3
17	9.94	481.2	482.7	2.06	105.1
17.05	9.7	497.1	498.4	1.95	94.17
17.1	9.86	504.8	505.1	1.95	20.19
17.15	11.06	432.3	432.5	2.56	17.29
17.2	12.14	354.1	354.4	3.43	19.15
17.25	10.2	301.8	302.1	3.38	21.53
17.3	11.43	252.4	252.8	4.52	24.26
17.35	11.47	259.5	259.9	4.41	27.31
17.4	8.31	412.5	412.9	2.01	29.63
17.45	8.91	499.2	499.6	1.78	27.49
17.5	10.14	513.1	513.4	1.98	23.6
17.55	11.61	551.4	551.7	2.1	23.99
17.6	10.22	587.8	588.1	1.74	25.83
17.65	10.59	559.6	559.9	1.89	25.13
17.7	10.87	500.9	501.2	2.17	23.35
17.75	10.92	460.4	460.8	2.37	22.6
17.8	10.26	388	388.3	2.64	21.81
17.85	9.43	304.4	304.7	3.1	21.77
17.9	9.41	232.2	232.5	4.05	19.45
17.95	8.35	149.8	150.1	5.56	18.5
18	6.38	106.8	107.1	5.96	19.45
18.05	5.42	99.8	100.1	5.41	23.34
18.1	4.18	157.6	158	2.65	30.91
18.15	3.91	112.9	113.3	3.45	24.36
18.2	2.56	68.5	68.8	3.73	21.67
18.25	1.71	49	49.3	3.48	21.28
18.3	1.06	45.1	45.4	2.33	21.22
18.35	0.93	45	45.3	2.06	20.59
18.4	0.95	44	44.3	2.13	20.61
18.45	1.01	43.3	43.5	2.33	20.37
18.5	1.05	45.1	45.4	2.32	20.41
18.55	1.03	47.6	47.9	2.14	20.3
18.6	0.99	48.7	49	2.01	20.05
18.65	0.99	46.9	47.2	2.09	20.02

18.7	0.96	45.8	46.1	2.09	20.02
18.75	0.98	46.8	47	2.08	20.36
18.8	1.04	47.5	47.8	2.18	20.5
18.85	1.12	51.4	51.7	2.16	19.72
18.9	1.39	57.4	57.6	2.41	19.76
18.95	1.34	59.8	60.1	2.23	19.5
19	1.25	57.6	57.9	2.16	20.68
19.05	1.22	52.8	53.1	2.3	21.41
19.1	1.06	46.6	46.8	2.25	21.1
19.15	0.98	43.3	43.6	2.25	20.89
19.2	0.95	39.6	39.9	2.38	21.47
19.25	0.77	38.3	38.6	1.98	21.14
19.3	0.97	39.2	39.5	2.46	21.11
19.35	1.09	34	34.3	3.17	21.06
19.4	1.2	41.8	42.1	2.86	20.95
19.45	1.25	46.6	46.9	2.67	21.3
19.5	1.28	46.1	46.4	2.75	21.08
19.55	1.24	44.9	45.2	2.74	21.43
19.6	1.13	43.5	43.8	2.57	21.15
19.65	1.18	41.9	42.1	2.8	21.19
19.7	1.3	45.2	45.5	2.86	21.35
19.75	1.23	47.1	47.4	2.59	21.82
19.8	1.32	45.2	45.5	2.89	21.73
19.85	2.46	45.8	46.1	5.35	21.62
19.9	3.87	67.6	67.9	5.7	21.63
19.95	4.17	99.7	100	4.17	21.61
20	4.92	89.4	89.7	5.48	22.19
20.05	4.39	97.4	97.7	4.49	24.24
20.1	3.69	69.3	69.6	5.3	23.06
20.15	3.1	53.7	54	5.74	22.9
20.2	2.31	54.7	55	4.2	23.3
20.25	2.03	52.9	53.2	3.82	22.16
20.3	1.95	50.7	51	3.82	22.62
20.35	1.75	45.3	45.6	3.84	22.51
20.4	2.05	46.7	47	4.36	23.01
20.45	2.28	52.2	52.5	4.35	23.11
20.5	2.38	63.2	63.5	3.75	22.81
20.55	2.74	55.4	55.7	4.92	22.99
20.6	3.59	64.8	65.1	5.52	23.09
20.65	5.75	99.7	100	5.75	24.36
20.7	7.32	135.6	135.9	5.38	22.48
20.75	8.69	133.3	133.6	6.5	24.54
20.8	7.69	127.8	128.2	6	25.34
20.85	7.78	135.8	136.1	5.72	28.09
20.9	7.21	193.5	193.8	3.72	22.12
20.95	6.58	103.5	103.7	6.35	18.95
21	6.67	127.4	127.7	5.22	22.25

21.05	5.61	143.1	143.5	3.91	26.62
21.1	4.29	77.8	78.1	5.5	20.82
21.15	2.56	52.4	52.7	4.85	21.4
21.2	3.14	51.1	51.4	6.1	22.34
21.25	4.08	91.3	91.6	4.45	24.59
21.3	4.45	304	304.4	1.46	28.45
21.35	5.29	377.5	377.8	1.4	24.58
21.4	5.92	306.6	306.9	1.93	23.36
21.45	5.01	166.5	166.8	3	19.86
21.5	4.47	82.2	82.5	5.43	19.68
21.55	5.59	74.9	75.2	7.43	22.46
21.6	7.58	127.8	128.2	5.91	27.56
21.65	9.07	191.6	192	4.72	31.6
21.7	10.1	285	285.5	3.54	33.55
21.75	7.99	371.8	372.3	2.15	30.27
21.8	5.36	409.1	409.5	1.31	31.38
21.85	5.57	422.5	422.9	1.32	31.31
21.9	5.97	427	427.5	1.4	33.02
21.95	5.92	416.2	416.6	1.42	33.98
22	6.48	397	397.5	1.63	33.86
22.05	6.35	388.7	389.1	1.63	33.84
22.1	5.52	391.6	392.1	1.41	32.94
22.15	4.65	370.4	370.9	1.25	33.08
22.2	3.83	342.4	342.8	1.12	31.92
22.25	3.52	304.8	305.3	1.15	31.1
22.3	4.87	212.4	212.8	2.29	29.58
22.35	5.01	123.8	124.2	4.03	26.73
22.4	4.41	91.9	92.3	4.77	28.43
22.45	3.66	81.9	82.3	4.45	30.53
22.5	2.88	67.6	68.1	4.24	32.55
22.55	2.44	50.7	51.2	4.76	31.55
22.6	1.75	43.4	43.9	3.98	31.52
22.65	1.21	40.5	40.9	2.96	31.2
22.7	1.33	41.1	41.5	3.2	30.54
22.75	1.66	42.7	43.1	3.84	30.22
22.8	0	46	46.5	0	30.76
22.85	0	56.3	56.7	0	32.54

Depth (m)	Sleeve (tsf)	Tip(unc) (tsf)	Tip(cor) (tsf)	F. Ratio (%)	U (psi)
0.05	0	2.5	2.5	0	0.82
0.1	0.69	36.8	36.8	1.88	0.81
0.15	0.73	97.5	97.5	0.75	0.03
0.2	0.52	77.7	77.7	0.67	-0.09
0.25	0.35	54.7	54.7	0.64	0.05
0.3	0.36	41.9	41.9	0.87	0.05
0.35	0.38	38.7	38.7	0.99	0.23
0.4	0.42	34.3	34.3	1.23	0.2
0.45	0.39	29.6	29.6	1.3	0.35
0.5	0.34	24.6	24.6	1.37	-0.01
0.55	0.3	22.9	22.9	1.3	0.5
0.6	0.32	22.3	22.3	1.45	-0.26
0.65	0.35	26.3	26.3	1.34	0.28
0.7	0.39	28.4	28.4	1.36	0.54
0.75	0.46	32.6	32.6	1.4	0.12
0.8	0.49	39.9	39.9	1.24	0.24
0.85	0.58	45.7	45.7	1.26	0.41
0.9	0.83	52.8	52.8	1.57	0.37
0.95	0.75	50.1	50.1	1.51	0.06
1	0.89	48.5	48.5	1.83	0.27
1.05	1.03	44.4	44.4	2.33	0.14
1.1	1.08	35	35	3.09	0.57
1.15	0.94	32.2	32.2	2.93	0.17
1.2	0.84	26.9	26.9	3.13	0.25
1.25	0.64	25.1	25.1	2.54	-0.35
1.3	0.59	23.3	23.3	2.52	0.07
1.35	0.6	23.4	23.4	2.56	0.15
1.4	0.57	22.7	22.7	2.5	-0.05
1.45	0.58	22.2	22.2	2.61	-0.01
1.5	0.6	23.6	23.6	2.52	-0.04
1.55	0.61	23	23	2.67	0.14
1.6	0.67	27.7	27.8	2.43	0.4
1.65	1.2	42.8	42.8	2.8	0.17
1.7	2.41	72.9	72.9	3.3	0.08
1.75	3.94	88.3	88.3	4.47	-0.05
1.8	5.11	102.2	102.2	5	-0.91
1.85	4.92	115.5	115.5	4.26	-1.17
1.9	4.2	116.9	116.9	3.6	-0.6
1.95	3.14	111.8	111.8	2.81	-0.36
2	2.56	100.1	100.1	2.56	-0.12
2.05	2.46	100.1	100.1	2.46	0.02
2.1	2.7	109.4	109.4	2.47	-0.23
2.15	2.89	115.6	115.6	2.5	-0.31
2.2	2.85	119.1	119.1	2.4	-0.11

2.25	2.7	127.3	127.3	2.12	0.17
2.3	2.13	132.8	132.8	1.6	-0.12
2.35	2.21	126.7	126.7	1.74	-0.22
2.4	2.21	116.5	116.5	1.89	0.09
2.45	2.57	117.7	117.7	2.18	0.17
2.5	3.31	117.3	117.3	2.83	-0.04
2.55	3.66	113.2	113.2	3.23	-0.46
2.6	3.53	102.6	102.6	3.44	-0.25
2.65	3.11	91.6	91.6	3.4	-0.27
2.7	2.33	83.9	83.9	2.78	0.05
2.75	2.83	88.3	88.3	3.2	-0.04
2.8	3.63	108.4	108.4	3.35	-0.38
2.85	4.65	129.7	129.7	3.58	-1
2.9	5.8	147.9	147.9	3.92	-2.06
2.95	6.68	162.8	162.8	4.1	-2.21
3	7.17	160.7	160.6	4.46	-2
3.05	7.03	146	146	4.81	-0.53
3.1	6.19	108.9	108.9	5.68	-0.51
3.15	5.4	77.3	77.3	6.99	-0.87
3.2	4.76	63.5	63.5	7.49	-0.56
3.25	4.48	58.1	58.1	7.7	-1.36
3.3	4.52	69.5	69.4	6.51	-1.3
3.35	4.38	61.2	61.2	7.16	-2.08
3.4	3.89	55.5	55.5	7.01	-2.25
3.45	3.52	51.1	51.1	6.88	-1.89
3.5	3.23	45.7	45.7	7.08	-2.47
3.55	3.12	41.7	41.7	7.49	-1.96
3.6	2.82	41.3	41.3	6.83	-1.85
3.65	2.42	40.8	40.8	5.95	-1.68
3.7	2.62	41.7	41.7	6.27	-1.92
3.75	2.66	45.1	45.1	5.91	-1.84
3.8	2.66	47.2	47.2	5.64	-1.76
3.85	2.61	44.7	44.7	5.85	-1.51
3.9	2.55	41.5	41.5	6.15	-1.6
3.95	2.27	38.5	38.5	5.91	-1.61
4	2.28	38.7	38.7	5.9	-1.72
4.05	2.43	55.5	55.4	4.38	-1.57
4.1	3.41	82.2	82.1	4.15	-1.33
4.15	4.59	97.7	97.7	4.7	-1.79
4.2	6.05	107.7	107.7	5.61	-0.4
4.25	7.48	146.2	146.2	5.12	-0.19
4.3	7.02	184	184	3.81	-0.21
4.35	6.22	195.7	195.7	3.18	-0.4
4.4	4.87	143.7	143.7	3.39	0.09
4.45	3.86	130.9	131	2.95	0.08
4.5	3.75	121.9	121.9	3.08	-0.21
4.55	3.77	90.2	90.2	4.18	-0.47

4.6	4.06	65.7	65.7	6.17	-0.32
4.65	3.65	58.9	58.9	6.2	0.34
4.7	3.22	44.4	44.4	7.27	-0.42
4.75	2.86	50.6	50.6	5.66	0.06
4.8	2.69	85.3	85.3	3.16	0.47
4.85	3.11	99.3	99.3	3.13	0.41
4.9	3.13	72.8	72.8	4.29	-0.03
4.95	2.61	52.7	52.7	4.94	0.37
5	2.24	48.1	48.1	4.66	0.33
5.05	2.65	57	57.1	4.65	1.03
5.1	3.71	94.3	94.3	3.93	1.85
5.15	4.82	107.2	107.2	4.49	2.13
5.2	4.75	95.7	95.7	4.97	2.64
5.25	4.29	107	107.1	4	3.04
5.3	4.33	109.9	109.9	3.94	1.99
5.35	3.74	84.3	84.3	4.44	1.32
5.4	3.43	70.2	70.2	4.88	2.46
5.45	3.24	65.9	65.9	4.91	2.2
5.5	2.61	77.4	77.5	3.37	2.07
5.55	2.58	143.4	143.4	1.8	2.69
5.6	2.9	167	167.1	1.74	2.37
5.65	3.14	148.9	149	2.1	2.39
5.7	3.32	103.7	103.8	3.2	2.3
5.75	2.95	70.2	70.3	4.2	2.92
5.8	2.16	47.2	47.2	4.58	3.03
5.85	1.34	25.6	25.6	5.23	1.61
5.9	0.98	23.2	23.2	4.22	2.87
5.95	0.91	26.4	26.5	3.45	3.83
6	0.87	24.7	24.7	3.52	2.57
6.05	0.9	22.6	22.7	3.98	2.49
6.1	0.88	21	21	4.17	1.2
6.15	1.07	25.1	25.1	4.28	1.61
6.2	1.34	31.2	31.3	4.28	1.34
6.25	1.85	38.9	38.9	4.76	1.62
6.3	2.61	87.6	87.7	2.97	2.31
6.35	3.04	84.9	85	3.58	2.25
6.4	2.52	40.5	40.5	6.21	1.39
6.45	1.96	37.7	37.7	5.2	3.19
6.5	1.34	34.2	34.3	3.91	2.05
6.55	1.22	32.7	32.7	3.73	2.8
6.6	1.06	31.7	31.8	3.32	2.15
6.65	1.07	32.5	32.6	3.29	2.2
6.7	1.05	34	34	3.1	2.31
6.75	1.06	34.6	34.7	3.05	2.48
6.8	1.12	33.8	33.8	3.31	1.85
6.85	1.08	34.2	34.2	3.16	1.73
6.9	1.02	36.5	36.5	2.8	3.38

6.95	1.01	34.2	34.2	2.95	2.11
7	1.02	35	35	2.92	2.25
7.05	1.04	34.2	34.2	3.03	2.25
7.1	1.05	34.9	34.9	3	2.97
7.15	1.06	32.8	32.8	3.24	2.04
7.2	1.19	34.2	34.3	3.48	2.08
7.25	1.32	37.3	37.3	3.55	1.91
7.3	1.24	40.4	40.4	3.08	2.94
7.35	1.4	37.8	37.9	3.7	1.72
7.4	1.57	46.2	46.3	3.38	2.65
7.45	2.19	51.3	51.4	4.27	2.78
7.5	2.35	50.1	50.1	4.7	2.14
7.55	2.26	48.1	48.1	4.71	1.96
7.6	2	47.6	47.6	4.2	2.28
7.65	1.75	44.4	44.4	3.95	2.65
7.7	1.67	40.4	40.5	4.12	2.68
7.75	1.52	40.6	40.6	3.74	2.53
7.8	1.56	41.7	41.7	3.74	2.53
7.85	1.89	44.5	44.5	4.25	2.59
7.9	1.8	42.5	42.5	4.23	1.81
7.95	1.83	35	35	5.22	2.25
8	2.36	42	42.1	5.61	2.24
8.05	3.57	123.4	123.4	2.89	2.25
8.1	5.23	175.2	175.2	2.98	2.23
8.15	6.68	181.5	181.5	3.68	2.16
8.2	6.16	139.6	139.6	4.41	1.73
8.25	4.56	96.8	96.8	4.71	2.54
8.3	4.14	86.9	87	4.76	3.19
8.35	3.25	77	77	4.22	2.45
8.4	2.52	53.2	53.2	4.74	2.77
8.45	1.88	40.6	40.6	4.62	2.77
8.5	1.45	36.7	36.8	3.95	3.2
8.55	1.46	36.5	36.6	4	3.33
8.6	1.65	44.7	44.7	3.69	3.38
8.65	1.56	45.6	45.6	3.42	3.64
8.7	2.07	69.4	69.5	2.98	3.91
8.75	2.44	71	71	3.44	2.91
8.8	2.67	46.8	46.8	5.71	2.77
8.85	2.14	35.9	35.9	5.96	3.03
8.9	1.64	33.8	33.9	4.84	3.35
8.95	1.38	32.9	32.9	4.19	3.64
9	1.34	31.9	31.9	4.19	3.75
9.05	1.3	33.1	33.1	3.92	3.63
9.1	1.33	33.9	33.9	3.91	3.86
9.15	1.35	31.9	32	4.23	3.31
9.2	1.27	31.2	31.3	4.07	3.65
9.25	1.24	29.3	29.4	4.21	3.6

9.3	1.14	29.4	29.5	3.87	3.74
9.35	1.17	30.8	30.8	3.79	3.54
9.4	1.19	31.3	31.4	3.78	3.59
9.45	1.29	30.7	30.7	4.2	3.54
9.5	1.28	32.5	32.5	3.94	3.7
9.55	1.37	34.2	34.3	4	3.63
9.6	1.48	33.7	33.8	4.37	3.29
9.65	1.52	32.6	32.6	4.67	3.29
9.7	1.44	31.5	31.6	4.56	3.34
9.75	1.33	31.5	31.5	4.21	3.65
9.8	1.3	31.7	31.7	4.1	3.38
9.85	1.37	32.9	32.9	4.17	3.35
9.9	1.48	35.5	35.5	4.16	3.4
9.95	1.63	38.1	38.1	4.27	3.59
10	1.68	37.2	37.3	4.51	3.28
10.05	1.62	36.6	36.6	4.44	3.52
10.1	1.57	36	36	4.36	3.58
10.15	1.48	34.2	34.2	4.33	3.52
10.2	1.47	34	34.1	4.32	3.32
10.25	1.43	36	36.1	3.97	3.96
10.3	1.38	34.1	34.2	4.05	3.43
10.35	1.41	36.5	36.5	3.85	3.45
10.4	1.49	38.5	38.5	3.88	4.09
10.45	1.61	36.6	36.6	4.4	3.22
10.5	1.61	38	38.1	4.23	3.85
10.55	1.54	41	41.1	3.75	3.86
10.6	1.5	44.2	44.3	3.39	4.33
10.65	1.61	43	43	3.74	3.39
10.7	1.67	41.8	41.8	3.99	4.37
10.75	1.74	36.5	36.5	4.77	3.38
10.8	1.47	34.5	34.6	4.24	3.92
10.85	1.36	37.2	37.2	3.66	3.92
10.9	1.25	39.5	39.6	3.17	3.45
10.95	1.57	46.4	46.5	3.38	4.16
11	1.62	47.7	47.7	3.39	3.97
11.05	1.51	45	45.1	3.36	4.34
11.1	1.77	45.7	45.8	3.86	4.5
11.15	1.97	57.7	57.8	3.41	4
11.2	2.03	55.9	55.9	3.64	3.98
11.25	1.98	45.5	45.6	4.34	4.33
11.3	1.67	38.1	38.2	4.37	4.08
11.35	1.44	36.1	36.2	3.97	4.06
11.4	1.45	37.8	37.8	3.83	4.34
11.45	1.49	37.3	37.3	3.99	3.98
11.5	1.53	36.5	36.5	4.19	4.31
11.55	1.47	34.9	34.9	4.2	4.16
11.6	1.34	32.9	32.9	4.07	3.93

11.65	1.25	32.7	32.8	3.81	4.42
11.7	1.25	35.3	35.3	3.53	4.08
11.75	1.29	39.3	39.3	3.28	4.34
11.8	1.33	41.1	41.1	3.23	3.96
11.85	1.26	37.7	37.8	3.34	4.15
11.9	1.15	35.1	35.1	3.29	4.13
11.95	1.19	33.4	33.5	3.54	4.22
12	1.19	31.9	31.9	3.74	4.13
12.05	1.16	31.3	31.3	3.71	4.03
12.1	1.15	31.8	31.9	3.6	4.02
12.15	1.17	34.1	34.2	3.42	3.91
12.2	1.38	40	40	3.45	4.02
12.25	1.7	47.8	47.8	3.56	4.23
12.3	1.81	48.8	48.8	3.71	3.92
12.35	1.85	45	45	4.11	4.22
12.4	1.7	41.8	41.9	4.06	4.3
12.45	1.66	42.5	42.5	3.89	4.57
12.5	1.66	41.8	41.8	3.97	3.92
12.55	1.67	42.3	42.3	3.95	4.13
12.6	1.77	46.2	46.3	3.83	4.48
12.65	1.81	47.5	47.5	3.82	4.28
12.7	1.87	46.3	46.3	4.04	4.37
12.75	1.72	47.1	47.1	3.64	4.47
12.8	1.76	45	45.1	3.9	4.5
12.85	1.75	43.9	44	3.97	4.61
12.9	1.83	43.2	43.3	4.22	4.66
12.95	1.91	43.6	43.7	4.38	4.79
13	1.81	43.7	43.7	4.14	4.25
13.05	1.91	44.3	44.4	4.3	4.69
13.1	1.87	45.2	45.2	4.13	4.58
13.15	1.91	44.5	44.6	4.28	4.46
13.2	1.9	44.1	44.1	4.31	4.58
13.25	1.87	43.9	44	4.24	4.46
13.3	1.7	42.7	42.7	3.98	4.48
13.35	1.68	40.9	40.9	4.11	4.68
13.4	1.64	41	41.1	4	4.91
13.45	1.68	39.1	39.1	4.29	4.24
13.5	1.61	39.1	39.1	4.11	4.91
13.55	1.47	37.8	37.9	3.88	4.69
13.6	1.4	37.5	37.6	3.74	4.8
13.65	1.33	35.9	36	3.68	4.46
13.7	1.32	35.6	35.7	3.69	4.57
13.75	1.26	35.9	35.9	3.51	4.69
13.8	1.25	35.2	35.3	3.55	4.8
13.85	1.27	33.9	34	3.73	4.46
13.9	1.33	34.2	34.3	3.87	4.9
13.95	1.43	36.6	36.7	3.91	4.79

14	1.78	46.4	46.4	3.84	4.89
14.05	2.22	49.9	49.9	4.45	4.37
14.1	2.9	53.6	53.7	5.4	4.83
14.15	4.36	74.6	74.7	5.83	5
14.2	6.5	159.6	159.7	4.07	5.21
14.25	8.94	202.9	203	4.4	4.67
14.3	10.36	227.8	227.9	4.55	4.24
14.35	8.3	259.8	259.8	3.2	4.63
14.4	8.98	214.4	214.4	4.19	3.85
14.45	8.99	158.2	158.3	5.68	3.51
14.5	9.52	136.9	137	6.95	4.3
14.55	7.39	91.6	91.7	8.06	4.91
14.6	5.44	59	59.1	9.2	5.48
14.65	3.93	83.3	83.4	4.72	6.57
14.7	5.95	143.4	143.5	4.15	6.7
14.75	9.76	301.8	301.9	3.23	6.78
14.8	8.71	384.4	384.5	2.26	6.26
14.85	8.79	419.2	419.3	2.1	6.64
14.9	9.55	373.8	373.8	2.56	5.4
14.95	8.37	357.3	357.4	2.34	2.6
15	9.92	353.8	353.8	2.8	1.22
15.05	8.53	365.2	365.2	2.34	1.51
15.1	10.52	375.4	375.5	2.8	2.29
15.15	9.41	343.8	343.9	2.74	2.06
15.2	9.13	335	335.1	2.72	2.67
15.25	9.78	310.5	310.6	3.15	2.2
15.3	8.21	263.7	263.7	3.12	1.37
15.35	8.3	256.7	256.7	3.23	1.75
15.4	9.32	267.9	267.9	3.48	1.49
15.45	10.21	272.6	272.6	3.75	1.55
15.5	7.04	189.9	189.9	3.7	2.07
15.55	6.99	163.6	163.6	4.27	4.38
15.6	8.76	188	188.1	4.66	5.07
15.65	9.97	248.1	248.1	4.02	4.55
15.7	9.6	248.4	248.5	3.86	4.53
15.75	8.91	260	260	3.43	3.83
15.8	8.34	265.3	265.3	3.15	4.17
15.85	9.57	258.9	258.9	3.7	4.53

Depth (m)	Sleeve (tsf)	Tip(unc) (tsf)	Tip(cor) (tsf)	F. Ratio (%)	U (psi)
0.05	0	23.2	23.2	0	-0.78
0.1	0.47	29	29	1.61	-0.22
0.15	0.54	38.4	38.4	1.4	-0.48
0.2	0.92	47.9	47.9	1.93	-0.57
0.25	1.1	51.6	51.6	2.14	-0.26
0.3	0.66	42	42	1.57	-0.56
0.35	0.66	29.3	29.3	2.26	-0.25
0.4	0.76	33.9	33.9	2.25	-0.67
0.45	0.9	29.6	29.6	3.05	-0.13
0.5	0.83	28.3	28.3	2.94	-0.46
0.55	0.42	28.5	28.5	1.49	-0.11
0.6	0.44	29.1	29.1	1.51	-0.39
0.65	0.47	39.5	39.5	1.18	-0.59
0.7	0.86	47.7	47.7	1.8	-0.02
0.75	1.25	62.8	62.8	1.99	-0.36
0.8	1.44	53.8	53.8	2.68	-0.28
0.85	1.46	47.1	47.1	3.11	-0.35
0.9	1.23	39.2	39.2	3.14	-0.21
0.95	1.02	31.6	31.6	3.21	-0.79
1	0.81	31.4	31.4	2.59	-0.24
1.05	0.83	31.9	31.8	2.6	-0.29
1.1	0.65	29.7	29.7	2.19	-0.72
1.15	0.5	28.2	28.2	1.77	-0.57
1.2	0.57	30.1	30.1	1.88	-0.23
1.25	0.66	29.5	29.4	2.23	-0.45
1.3	0.45	27.7	27.7	1.63	-0.45
1.35	0.42	29	29	1.45	-0.34
1.4	0.58	30.5	30.5	1.89	-0.56
1.45	0.91	32.4	32.4	2.82	-0.56
1.5	1.24	39.9	39.9	3.11	-0.3
1.55	1.58	46.4	46.4	3.41	-0.12
1.6	2.22	72.1	72.1	3.08	-0.15
1.65	3.79	89.2	89.2	4.25	-0.09
1.7	5.44	85.8	85.8	6.34	-0.14
1.75	6.85	90.7	90.7	7.55	-0.39
1.8	7.24	95.6	95.6	7.57	-1.3
1.85	7	93.7	93.7	7.47	-2.69
1.9	6.01	89.1	89.1	6.75	-3.42
1.95	4.74	79.3	79.3	5.98	-1.66
2	3.46	66.8	66.8	5.18	-0.8
2.05	2.54	58.8	58.8	4.32	-0.7
2.1	2.4	60.1	60.1	4	-0.46
2.15	2.65	64.7	64.7	4.09	-0.45
2.2	2.85	80.2	80.2	3.55	-0.13

2.25	3.19	93.3	93.3	3.42	-0.57
2.3	3.36	109.9	109.9	3.05	-0.44
2.35	3.83	116.5	116.5	3.28	-0.56
2.4	4.26	119.7	119.7	3.56	-0.6
2.45	4.26	122.2	122.2	3.49	-0.73
2.5	3.85	135.2	135.2	2.85	-0.67
2.55	3.05	152.4	152.4	2	-0.38
2.6	2.69	139.7	139.7	1.93	-0.08
2.65	3.11	119.1	119.1	2.61	-0.47
2.7	4.25	104.9	104.9	4.05	-0.56
2.75	5.06	93.7	93.7	5.41	-0.78
2.8	5.37	88.6	88.6	6.07	-1.1
2.85	5.44	87.6	87.5	6.22	-1.11
2.9	5.38	86.4	86.4	6.24	-1.38
2.95	5.41	90	90	6.01	-1.42
3	5.51	97.1	97.1	5.68	-1.98
3.05	5.25	103.3	103.2	5.09	-2.12
3.1	4.75	101.6	101.6	4.68	-1.09
3.15	3.3	78.4	78.4	4.21	-1.48
3.2	2.74	53.1	53.1	5.16	-1.04
3.25	2.61	41.6	41.6	6.26	-0.72
3.3	2.73	41.8	41.8	6.54	-0.65
3.35	2.77	43.4	43.4	6.39	-0.34
3.4	2.7	40.5	40.4	6.67	-4.27
3.45	2.7	41.7	41.6	6.48	-4.23
3.5	2.67	41.5	41.4	6.45	-4.4
3.55	2.72	40.7	40.6	6.69	-4.3
3.6	3.14	43.4	43.3	7.24	-4.23
3.65	3.05	51.9	51.8	5.88	-4.33
3.7	2.98	45.4	45.4	6.57	-4.66
3.75	2.98	43.7	43.6	6.82	-4.61
3.8	2.93	47.1	47	6.24	-4.18
3.85	3.06	47.4	47.4	6.45	-4.22
3.9	3.2	50.6	50.5	6.33	-4.55
3.95	3.29	57.5	57.4	5.73	-4.24
4	3.7	77.1	77.1	4.8	-4.13
4.05	4.43	83.1	83	5.33	-3.92
4.1	4.28	71	70.9	6.03	-4.2
4.15	4.44	63.5	63.4	6.99	-3.81
4.2	4.89	88	88	5.56	-3.61
4.25	5.88	103.4	103.4	5.68	-3.24
4.3	6.54	116.7	116.6	5.61	-3.21
4.35	6.65	116.6	116.6	5.71	-3.45
4.4	6.52	104	104	6.27	-2.43
4.45	6.46	107.6	107.6	6	-2.05
4.5	6.36	116.4	116.4	5.47	-2.28
4.55	6.18	112.6	112.6	5.49	-2.39

4.6	6.09	101.2	101.2	6.02	-2.14
4.65	5.19	91.3	91.3	5.69	-2.11
4.7	4.24	78.4	78.4	5.41	-1.28
4.75	3.54	64.4	64.3	5.51	-1.24
4.8	3.02	52.2	52.2	5.8	-1.03
4.85	2.77	42.8	42.8	6.47	-0.78
4.9	2.42	36.9	36.9	6.54	-0.92
4.95	2.15	35.2	35.2	6.1	-0.6
5	2	32.5	32.5	6.16	-0.99
5.05	1.82	31.4	31.4	5.82	-0.71
5.1	1.66	29.3	29.2	5.68	-0.56
5.15	1.61	26.8	26.8	6.03	-0.9
5.2	1.59	43.9	43.9	3.61	-0.11
5.25	2.09	70.3	70.3	2.98	0.01
5.3	2.54	61.9	61.9	4.1	-0.22
5.35	2.77	51	51	5.43	-0.29
5.4	2.69	64.9	64.9	4.15	0.22
5.45	2.52	86	86	2.93	0.09
5.5	2.42	72.9	72.9	3.32	-0.2
5.55	2.47	55.3	55.3	4.47	-0.19
5.6	2.55	54.4	54.4	4.68	0.05
5.65	2.5	51	51	4.9	0.01
5.7	1.96	36.8	36.8	5.33	0.01
5.75	1.5	30.7	30.7	4.87	0.09
5.8	1.62	36.6	36.6	4.42	0.22
5.85	1.74	91.1	91.1	1.91	0.27
5.9	3.02	224.9	224.9	1.34	0.47
5.95	4.43	252.9	252.9	1.75	0.18
6	5.16	223.3	223.3	2.31	-0.26
6.05	6.32	198.8	198.8	3.18	-0.07
6.1	7.87	203.9	203.9	3.86	0.45
6.15	7.72	221	221	3.49	1.18
6.2	7.01	278.2	278.2	2.52	2.07
6.25	6.51	319.1	319.1	2.04	1.9
6.3	6.12	352.1	352.1	1.74	1.57
6.35	6.66	379.3	379.3	1.76	1.72
6.4	6.7	380.3	380.3	1.76	1.59
6.45	6.3	361.5	361.5	1.74	1.6
6.5	5.41	311.6	311.6	1.74	1.42
6.55	4.37	263.8	263.8	1.66	1.54
6.6	4.07	214.8	214.8	1.89	1.41
6.65	4.1	166.3	166.3	2.46	1.36
6.7	4.1	123.7	123.7	3.31	1.49
6.75	3.5	67.2	67.2	5.22	1.36
6.8	2.24	41.1	41.1	5.45	1.23
6.85	1.52	29.8	29.8	5.11	1.1
6.9	1.37	30.5	30.5	4.49	1.44

6.95	1.13	32	32	3.54	1.84
7	1.15	28.8	28.8	3.99	2.23
7.05	1.1	29	29	3.78	2.05
7.1	1.06	29.5	29.5	3.6	2.26
7.15	1.07	28.6	28.6	3.75	2.05
7.2	1.04	28.4	28.5	3.65	2.26
7.25	0.99	28.3	28.3	3.49	2.2
7.3	0.98	28.6	28.6	3.43	2.39
7.35	0.97	29.1	29.1	3.33	2.5
7.4	0.93	29.2	29.2	3.19	2.25
7.45	0.94	28.9	29	3.26	2.12
7.5	0.9	29.7	29.7	3.04	1.56
7.55	0.95	32.3	32.3	2.93	2.15
7.6	1.04	33.2	33.2	3.12	2.12
7.65	1.18	32.4	32.4	3.63	2.09
7.7	1.12	30.2	30.3	3.7	1.67
7.75	1	27.1	27.1	3.7	1.75
7.8	0.9	25.6	25.6	3.52	1.93
7.85	0.89	24.1	24.1	3.71	1.54
7.9	0.88	25.2	25.3	3.49	2.13
7.95	0.9	27	27	3.34	1.71
8	0.96	28.3	28.3	3.38	1.75
8.05	0.97	29	29	3.34	1.71
8.1	1.03	29.4	29.5	3.48	1.58
8.15	1.08	31.5	31.5	3.43	1.88
8.2	1.18	33.7	33.7	3.51	1.64
8.25	1.34	34.1	34.2	3.93	1.42
8.3	1.41	33.6	33.6	4.19	1.69
8.35	1.15	32.1	32.2	3.58	1.42
8.4	1.29	35.5	35.5	3.63	2.07
8.45	1.71	48.1	48.1	3.55	1.93
8.5	1.94	55.8	55.8	3.47	1.54
8.55	2.19	55.2	55.2	3.96	1.84
8.6	1.9	74.2	74.2	2.56	2.07
8.65	2.26	117.2	117.3	1.93	1.92
8.7	2.39	77.3	77.3	3.09	1.39
8.75	2.06	43.2	43.2	4.75	1.46
8.8	1.5	29.2	29.2	5.15	1.46
8.85	0.85	26.4	26.4	3.2	1.06
8.9	0.79	27.4	27.4	2.89	1.4
8.95	0.92	31.6	31.6	2.9	1.56
9	0.99	36.3	36.3	2.72	1.61
9.05	1.17	34	34	3.44	1.35
9.1	1.29	36.1	36.1	3.56	1.6
9.15	1.46	34.7	34.7	4.19	1.53
9.2	1.64	33.3	33.3	4.93	1.8
9.25	1.68	30.2	30.2	5.54	1.95

9.3	1.5	27.8	27.9	5.38	1.4
9.35	1.32	25.9	26	5.08	1.45
9.4	1.23	26.2	26.2	4.68	1.53
9.45	1.29	30.7	30.7	4.22	1.62
9.5	1.19	36.5	36.5	3.27	1.47
9.55	1.48	37.3	37.3	3.96	1.6
9.6	1.44	36.1	36.1	4	1.69
9.65	1.44	36.8	36.9	3.9	2.06
9.7	1.47	38.3	38.3	3.85	1.74
9.75	1.47	43.3	43.3	3.4	1.73
9.8	1.58	48.5	48.5	3.26	2.05
9.85	1.58	41.9	41.9	3.76	1.88
9.9	1.52	39.1	39.1	3.88	2.11
9.95	1.86	44.6	44.7	4.16	1.93
10	2.01	60.7	60.8	3.3	2.49
10.05	2.23	59.5	59.5	3.75	2.28
10.1	2.46	72.2	72.2	3.41	2.47
10.15	2.32	62.3	62.4	3.72	2.38
10.2	3.23	75.2	75.2	4.3	3.08
10.25	4.17	116.6	116.6	3.57	2.68
10.3	4.94	141.9	141.9	3.48	2.8
10.35	5.96	163.2	163.2	3.65	2.38
10.4	6.72	155.4	155.4	4.33	2.28
10.45	5.46	121.9	122	4.48	2.23
10.5	4.64	105.2	105.2	4.41	2.14
10.55	3.71	81	81	4.58	2.6
10.6	2.48	46.9	46.9	5.3	2.39
10.65	1.77	30.9	31	5.71	2.48
10.7	1.11	28.8	28.8	3.84	2.63
10.75	1.06	29.8	29.8	3.55	2.64
10.8	1.07	32	32.1	3.33	2.93
10.85	1.1	33.4	33.5	3.28	3.99
10.9	1.04	30.4	30.4	3.41	2.48
10.95	1.14	31.9	31.9	3.58	3.19
11	1.32	35.3	35.3	3.74	3.23
11.05	1.36	38.9	39	3.49	2.66
11.1	1.11	33.6	33.6	3.3	2.72
11.15	1.04	30.3	30.4	3.43	3.12
11.2	0.97	31.1	31.1	3.12	3.18
11.25	0.93	31.1	31.1	2.99	2.79
11.3	0.93	30.2	30.2	3.06	2.56
11.35	0.85	29	29.1	2.91	2.97
11.4	0.82	28.9	28.9	2.85	2.97
11.45	0.82	29.7	29.8	2.75	3.07
11.5	0.82	29	29.1	2.83	3.06
11.55	0.98	33.9	34	2.88	3.2
11.6	1.08	35.4	35.5	3.04	3.11

11.65	1.29	39	39	3.31	3.04
11.7	1.53	46	46.1	3.32	3.19
11.75	1.52	49.7	49.7	3.06	3.01
11.8	1.32	33.9	33.9	3.89	2.57
11.85	1.05	27.9	27.9	3.75	2.78
11.9	0.75	28.2	28.2	2.65	2.8
11.95	0.72	29.4	29.5	2.43	3.01
12	0.77	29.5	29.6	2.59	2.85
12.05	0.82	29.9	29.9	2.73	2.93
12.1	0.86	28	28	3.05	2.86
12.15	0.83	28.7	28.7	2.9	3.01
12.2	0.9	32.5	32.6	2.76	2.91
12.25	0.99	33.5	33.5	2.96	2.74
12.3	1.3	43.8	43.9	2.96	3.22
12.35	1.67	38.2	38.2	4.36	3.24
12.4	1.6	29	29.1	5.5	2.81
12.45	1.09	25.5	25.6	4.26	2.71
12.5	0.92	24.6	24.7	3.74	2.78
12.55	0.89	25.8	25.9	3.44	3
12.6	0.9	25.7	25.8	3.49	2.79
12.65	0.93	26.3	26.3	3.54	3.22
12.7	0.95	27.7	27.8	3.43	3.02
12.75	1.01	31.4	31.4	3.21	2.77
12.8	1.03	35.4	35.4	2.92	3.39
12.85	1.04	34.4	34.4	3.02	2.92
12.9	1.05	33.8	33.9	3.08	3.38
12.95	1.08	34.8	34.8	3.11	3.58
13	1.15	34.9	35	3.3	2.87
13.05	1.14	34	34	3.34	3.09
13.1	1.06	33.4	33.4	3.18	3.43
13.15	1.05	32.8	32.9	3.21	3.5
13.2	1.06	31.6	31.7	3.36	2.99
13.25	1.11	31.8	31.8	3.49	3.06
13.3	1.23	34.2	34.3	3.59	3.43
13.35	1.44	36.9	37	3.91	3.32
13.4	1.64	38.8	38.8	4.23	3.39
13.45	1.74	39.9	39.9	4.36	3.36
13.5	1.74	41.8	41.9	4.16	3.36
13.55	1.6	41.6	41.7	3.83	3.53
13.6	1.29	36.2	36.2	3.57	3.62
13.65	1.11	31.7	31.8	3.5	3.59
13.7	1	30.2	30.3	3.32	3.6
13.75	1.03	29.3	29.4	3.51	3.29
13.8	1.05	32	32.1	3.28	3.67
13.85	1.46	36.8	36.9	3.97	3.35
13.9	2	55	55	3.64	3.89
13.95	2.11	53.8	53.9	3.91	3.75

14	1.95	51.7	51.8	3.77	3.82
14.05	1.58	39	39.1	4.05	3.63
14.1	1.28	32.9	33	3.9	3.83
14.15	1.38	35.6	35.7	3.88	4.06
14.2	1.25	35.4	35.4	3.52	3.59
14.25	1.32	33	33	4.01	4.14
14.3	1.29	34.5	34.5	3.74	3.85
14.35	1.37	37.2	37.2	3.67	3.79
14.4	1.51	39.9	40	3.78	3.97
14.45	1.77	41.1	41.1	4.31	3.74
14.5	1.94	41.7	41.8	4.65	4.18
14.55	2.08	40	40.1	5.19	3.99
14.6	1.92	38.7	38.7	4.95	3.74
14.65	1.73	40.2	40.3	4.28	4.16
14.7	1.79	42.8	42.9	4.17	4.12
14.75	2.28	47.3	47.4	4.81	4.08
14.8	4.24	96	96.1	4.41	4.3
14.85	5.56	121.1	121.2	4.59	3.64
14.9	7.64	94.9	94.9	8.04	3.71
14.95	8.6	180.1	180.1	4.77	4.72
15	9.8	213.7	213.7	4.59	4.26
15.05	8.91	227.1	227.2	3.92	4.12
15.1	6.95	236.5	236.6	2.94	4.21
15.15	7.19	258.1	258.1	2.78	4.03
15.2	8.49	225.6	225.7	3.76	3.49
15.25	9.77	211.6	211.7	4.61	4.07
15.3	10.13	210.6	210.6	4.81	3.47
15.35	10.45	205.9	205.9	5.07	2.77
15.4	6.87	225.3	225.4	3.05	3.37
15.45	8.46	210.3	210.3	4.02	3.7
15.5	9.2	184	184.1	5	3.91
15.55	9.98	265.1	265.2	3.76	4.66
15.6	10.73	334.9	335	3.2	4.55
15.65	6.85	339.7	339.8	2.02	4.28
15.7	7.48	337.1	337.1	2.22	4.08
15.75	7.65	326	326.1	2.35	4.18
15.8	9.12	373.1	373.2	2.44	4.48
15.85	9.21	392.1	392.1	2.35	4.17
15.9	8.47	361	361	2.35	4.4
15.95	8.01	337.3	337.4	2.38	4.1
16	7.33	325.4	325.4	2.25	4.19
16.05	5.56	315.2	315.3	1.76	3.91
16.1	4.21	345	345.1	1.22	4.26
16.15	4.65	336.3	336.4	1.38	4.17
16.2	5.74	300	300.1	1.91	3.85
16.25	5.71	293.6	293.7	1.95	4.01
16.3	5.55	290.5	290.6	1.91	3.78

16.35	4.87	310.8	310.9	1.57	3.39
16.4	5.87	332.3	332.4	1.77	3.38
16.45	7.6	370.9	371	2.05	3.56
16.5	9.69	379.2	379.2	2.56	3.81
16.55	9.84	369.4	369.4	2.66	3.84
16.6	7.82	343.8	343.8	2.27	4.07
16.65	8.65	370.1	370.2	2.34	4.01
16.7	9.96	373	373.1	2.67	3.74
16.75	9.3	360.8	360.9	2.58	4.05
16.8	8.65	357.2	357.3	2.42	4.5
16.85	10.9	345.9	346	3.15	4.51
16.9	10.22	315.7	315.8	3.24	3.85
16.95	9.47	319.1	319.2	2.97	4.15
17	5.79	324.4	324.5	1.78	7.41
17.05	8.18	393.8	393.9	2.08	7.67
17.1	6.24	471.2	471.3	1.32	6.09
17.15	8.37	502.9	503	1.66	5.62
17.2	9.16	476.8	476.8	1.92	3.85
17.25	10.32	502.3	502.3	2.05	4.14
17.3	10.44	482.5	482.6	2.16	4.24
17.35	8.88	487.9	488	1.82	4.17
17.4	0	478	478.1	0	3.9

Depth (m)	Sleeve (tsf)	Tip(unc) (tsf)	Tip(cor) (tsf)	F. Ratio (%)	U (psi)
0.05	0	12	12	0	0.35
0.1	0.11	20.7	20.7	0.55	0.25
0.15	0.1	25.6	25.6	0.38	0.14
0.2	0.21	31	31	0.68	-0.27
0.25	0.29	46.5	46.5	0.62	0.49
0.3	0.37	73.1	73.1	0.5	0.59
0.35	0.25	64.4	64.4	0.39	0.37
0.4	0.25	48.4	48.4	0.52	0.55
0.45	0.25	44.8	44.8	0.55	0.87
0.5	0.21	41.3	41.3	0.5	1.14
0.55	0.26	40.4	40.4	0.63	1.82
0.6	0.35	37.4	37.4	0.95	1.74
0.65	0.41	41.8	41.9	0.99	1.7
0.7	0.55	47.4	47.4	1.16	2.32
0.75	0.66	61.6	61.7	1.07	2.59
0.8	0.91	71.7	71.8	1.27	2.98
0.85	1.12	82	82	1.37	3.43
0.9	1.2	86.2	86.3	1.39	3.95
0.95	1.3	90.3	90.3	1.44	4.38
1	1.54	84.3	84.3	1.82	4.63
1.05	1.42	81.4	81.5	1.75	4.48
1.1	1.28	71	71.1	1.8	3.88
1.15	1.34	61.5	61.6	2.18	4.02
1.2	1.81	63.1	63.1	2.87	3.95
1.25	1.94	66.7	66.7	2.91	3.98
1.3	2.29	79.6	79.7	2.88	3.92
1.35	3.18	94.9	94.9	3.35	3.87
1.4	4.58	93.4	93.4	4.9	5.79
1.45	5.38	95.8	95.9	5.61	6.57
1.5	5.93	99.1	99.2	5.98	6.43
1.55	6.36	99.2	99.3	6.4	6.75
1.6	6.77	101.9	102	6.64	6.57
1.65	6.63	97.8	97.9	6.77	6.68
1.7	6.69	96.8	96.9	6.9	6.79
1.75	6.33	93.8	93.9	6.74	6.93
1.8	5.66	91.6	91.7	6.17	6.77
1.85	4.71	85.6	85.7	5.5	6.16
1.9	3.28	78.5	78.6	4.17	5.9
1.95	2.62	79.6	79.7	3.29	5.74
2	2.81	101.9	101.9	2.76	6.1
2.05	3.05	118.6	118.7	2.57	5.01
2.1	2.86	115.8	115.9	2.47	5.15
2.15	2.87	115.5	115.5	2.48	4.89
2.2	2.95	121.8	121.9	2.42	4.79

2.25	2.9	128.6	128.7	2.26	4.61
2.3	2.66	130.6	130.6	2.04	4.67
2.35	2.36	119.9	120	1.96	4.95
2.4	2.28	107.9	108	2.11	4.76
2.45	2.16	107.9	108	2	4.54
2.5	2.17	101.1	101.2	2.14	4.6
2.55	2.42	89	89.1	2.72	4.45
2.6	2.8	83.5	83.5	3.35	4.48
2.65	3.37	79.3	79.3	4.24	4.33
2.7	4.23	82.5	82.5	5.13	5.29
2.75	4.62	84.6	84.7	5.46	4.37
2.8	4.93	86.9	87	5.67	4.59
2.85	5.22	91.3	91.4	5.71	4.39
2.9	5.31	98.2	98.3	5.4	4.81
2.95	5.1	107.2	107.2	4.75	4.69
3	4.67	114	114.1	4.09	4.83
3.05	4.5	117.8	117.8	3.81	4.6
3.1	4.27	127.1	127.2	3.36	4.63
3.15	4.23	135.2	135.3	3.12	4.86
3.2	3.89	122.6	122.6	3.17	4.5
3.25	3.69	87.7	87.8	4.2	4.58
3.3	3.72	71.3	71.4	5.21	4.59
3.35	3.94	65.9	66	5.97	4.47
3.4	4.33	73.1	73.2	5.91	4.63
3.45	4.41	79.4	79.5	5.55	5
3.5	4.77	78.4	78.5	6.08	5.25
3.55	4.38	75.3	75.4	5.81	5.29
3.6	4.17	66	66.1	6.31	5.04
3.65	4.05	61	61.1	6.63	5.05
3.7	3.92	61.6	61.7	6.36	4.75
3.75	4.03	62.9	63	6.4	5.3
3.8	4.21	62.3	62.4	6.75	5.66
3.85	4.34	63.4	63.5	6.85	5.52
3.9	4.5	68.8	68.9	6.53	6.11
3.95	4.54	69.2	69.3	6.56	5.86
4	4.69	74.8	74.9	6.26	6.72
4.05	4.67	73.9	73.9	6.31	6.27
4.1	4.62	71.5	71.6	6.44	7.04
4.15	4.67	71.7	71.8	6.5	7.49
4.2	4.73	71	71.1	6.65	7.66
4.25	4.61	71.1	71.2	6.48	7.12
4.3	4.8	79.9	80	5.99	6.94
4.35	5.25	99	99.1	5.29	7.7
4.4	3.29	108.9	109	3.02	7.84
4.45	6	110.6	110.7	5.42	7.62
4.5	6.66	119.9	120	5.55	7.07
4.55	6.6	176.6	176.7	3.73	7.93

4.6	6.66	192.1	192.2	3.47	8.29
4.65	6.44	188.4	188.5	3.41	7.12
4.7	5.73	184.3	184.4	3.11	6.57
4.75	5.05	166.9	167	3.03	8.04
4.8	3.79	132.8	132.8	2.85	6.53
4.85	2.85	98.6	98.7	2.89	6.77
4.9	2.94	74.5	74.5	3.94	5.76
4.95	3.15	55.9	56	5.62	5.98
5	2.97	41.8	41.9	7.09	6.09
5.05	2.51	34.1	34.2	7.35	5.96
5.1	2.03	33	33.1	6.14	6.5
5.15	1.9	31.6	31.7	5.98	5.97
5.2	1.92	31.6	31.7	6.05	6.27
5.25	2.28	38.8	38.9	5.85	6.56
5.3	2.1	68.5	68.5	3.06	6.79
5.35	2.98	106.4	106.5	2.8	7.52
5.4	4.07	106.8	106.9	3.81	6.62
5.45	2.76	144.8	144.8	1.91	6.54
5.5	3.51	222.8	222.9	1.58	7.27
5.55	3.28	235.8	235.9	1.39	5.29
5.6	3.1	186	186.1	1.66	5.42
5.65	3.64	136.8	136.9	2.66	5.38
5.7	3.91	102.2	102.3	3.82	5.59
5.75	4.62	83.1	83.2	5.55	7.04
5.8	5.06	262.9	263	1.93	8.23
5.85	5.58	367.3	367.4	1.52	8.72
5.9	5.39	394.8	395	1.36	8.24
5.95	5.54	383.2	383.3	1.45	7.99
6	5.79	345.4	345.5	1.68	7.41
6.05	5.85	295.3	295.4	1.98	8.05
6.1	5.63	300.4	300.5	1.87	8.48
6.15	5.52	285.5	285.7	1.93	8.7
6.2	5.52	225.7	225.8	2.45	7.8
6.25	5.82	196	196.1	2.97	8.03
6.3	7.67	181.7	181.8	4.22	10.16
6.35	7.41	229.6	229.7	3.23	12.95
6.4	5.8	262.5	262.7	2.21	13.67
6.45	5.15	264	264.1	1.95	10.29
6.5	4.07	241.1	241.2	1.69	10.13
6.55	3.63	211.9	212.1	1.71	9.6
6.6	3.49	157	157.2	2.22	9.14
6.65	3.59	114.1	114.2	3.14	8.99
6.7	3.19	74.1	74.2	4.3	9.18
6.75	2.57	42	42.1	6.1	9.82
6.8	1.8	28.6	28.7	6.28	9.65
6.85	1	26.7	26.8	3.71	9.7
6.9	0.85	26.4	26.5	3.19	9.88

6.95	0.86	24.7	24.9	3.46	9.93
7	0.92	25.3	25.4	3.63	10.08
7.05	0.98	25.7	25.8	3.78	9.5
7.1	1.01	26	26.2	3.84	9.78
7.15	0.99	26.2	26.4	3.77	10.07
7.2	1.03	26.5	26.7	3.85	9.84
7.25	1.03	27.8	27.9	3.67	9.43
7.3	0.87	28.6	28.8	3.04	9.88
7.35	0.92	29	29.1	3.16	9.61
7.4	0.92	30.2	30.3	3.02	9.52
7.45	0.92	31.5	31.6	2.9	9.59
7.5	0.92	30.5	30.6	3.01	9.58
7.55	0.94	30.5	30.6	3.08	9.69
7.6	0.96	30.6	30.7	3.12	9.6
7.65	1	30.5	30.6	3.25	9.55
7.7	1.02	31.1	31.2	3.28	9.71
7.75	1.03	31.9	32	3.22	9.59
7.8	1.03	31.1	31.3	3.28	9.55
7.85	1.02	29.3	29.4	3.47	9.36
7.9	1	29.4	29.5	3.38	9.28
7.95	1.04	28.8	28.9	3.6	9.67
8	1.05	27.9	28.1	3.73	9.4
8.05	1.15	28.9	29.1	3.96	9.51
8.1	1.2	28.8	29	4.16	8.96
8.15	1.29	31.3	31.4	4.11	9.3
8.2	1.5	37.5	37.7	3.98	9.55
8.25	1.75	41.2	41.4	4.24	9.52
8.3	1.62	37.1	37.2	4.36	9.74
8.35	1.48	30.8	30.9	4.78	9.05
8.4	1.35	31.1	31.2	4.34	9.21
8.45	1.31	32.5	32.7	4.02	9.35
8.5	1.66	34.3	34.4	4.83	9.47
8.55	2.76	44.4	44.5	6.21	9.51
8.6	3.92	90.7	90.9	4.31	10.11
8.65	4.68	101.3	101.5	4.61	10.05
8.7	4.98	82.9	83	6	9.93
8.75	3.75	53.6	53.7	6.98	9.06
8.8	2.22	34.7	34.9	6.37	9.19
8.85	1.51	27	27.1	5.56	9.29
8.9	1.21	26.4	26.5	4.58	9.16
8.95	1.21	28.6	28.7	4.21	9.25
9	1.32	32.1	32.3	4.08	9.77
9.05	1.46	33.5	33.6	4.35	9.5
9.1	1.66	35.2	35.3	4.7	9.79
9.15	1.97	33.4	33.5	5.89	9.04
9.2	2.02	33.1	33.2	6.08	9.45
9.25	1.84	33.2	33.3	5.52	9.39

9.3	1.71	31.3	31.5	5.44	8.76
9.35	1.65	28.5	28.6	5.77	8.98
9.4	1.54	26.3	26.5	5.83	8.98
9.45	1.46	24.4	24.5	5.97	9.18
9.5	1.73	31.5	31.6	5.47	9.38
9.55	1.99	52.1	52.3	3.81	9.3
9.6	2.19	50.7	50.8	4.3	9.37
9.65	2.23	48.5	48.7	4.58	9.53
9.7	1.91	44.8	44.9	4.25	9.56
9.75	1.82	40	40.1	4.55	9.87
9.8	1.75	36.9	37.1	4.72	9.73
9.85	1.66	39.6	39.7	4.18	9.67
9.9	1.54	38.1	38.3	4.03	9.57
9.95	1.55	34.4	34.5	4.51	9.66
10	2.21	40	40.1	5.5	9.65
10.05	3.18	67.4	67.6	4.71	9.75
10.1	4.61	83.6	83.7	5.51	9.79
10.15	5.5	78.2	78.4	7.02	10.11
10.2	5.65	75.5	75.6	7.48	9.68
10.25	5.4	102	102.2	5.28	10.29
10.3	5.8	109.5	109.6	5.29	11.19
10.35	5.77	144.1	144.3	4	12.19
10.4	5.59	187.4	187.6	2.98	10.82
10.45	5.27	212.6	212.7	2.48	10.3
10.5	4.98	218.2	218.3	2.28	10.4
10.55	4.9	216.8	216.9	2.26	10.13
10.6	4.9	179.3	179.4	2.73	9.78
10.65	4.25	104	104.2	4.08	9.76
10.7	2.96	53.2	53.3	5.55	9.13
10.75	2.07	37.5	37.6	5.5	8.87
10.8	1.76	34.5	34.7	5.08	9.06
10.85	2.02	34.5	34.7	5.82	8.93
10.9	2.02	34.1	34.3	5.89	9.85
10.95	1.82	31.1	31.3	5.81	10.62
11	1.44	29.9	30	4.8	10.43
11.05	1.39	29.7	29.9	4.65	9.98
11.1	1.36	31.7	31.8	4.29	10.37
11.15	1.24	32.5	32.6	3.81	9.85
11.2	1.2	29.1	29.2	4.1	9.95
11.25	1.21	28	28.1	4.31	10.5
11.3	1.12	28	28.2	3.98	10.08
11.35	1.04	28.9	29.1	3.59	10.28
11.4	1.04	28.4	28.5	3.65	10.48
11.45	1.09	27.2	27.4	3.99	10.22
11.5	1.21	29.5	29.6	4.07	9.67
11.55	1.49	39.9	40	3.72	10.22
11.6	1.55	40.3	40.4	3.83	10.26

11.65	1.66	34.3	34.4	4.83	10.31
11.7	1.41	32	32.2	4.4	10.37
11.75	1.34	32.1	32.2	4.17	9.96
11.8	1.37	31.6	31.7	4.33	10.37
11.85	1.23	30.7	30.8	4	10.27
11.9	0.93	28.1	28.3	3.29	10.02
11.95	1.16	26.9	27.1	4.3	10.19
12	1.17	26.8	26.9	4.34	9.89
12.05	1.16	29.8	29.9	3.89	9.94
12.1	1.2	29.5	29.7	4.03	10.3
12.15	1.16	28.7	28.8	4.03	9.98
12.2	1.12	29	29.2	3.82	10.52
12.25	1.12	30.1	30.3	3.71	9.7
12.3	1.17	31.5	31.7	3.71	10.18
12.35	1.22	31.8	31.9	3.81	10.09
12.4	1.21	28.8	29	4.19	10.12
12.45	1.17	26.2	26.3	4.44	9.72
12.5	1.13	25.2	25.4	4.45	10.32
12.55	1.1	24.8	25	4.41	10.46
12.6	1.1	25.3	25.5	4.31	10.07
12.65	1.12	26.4	26.5	4.21	9.87
12.7	1.14	27.8	27.9	4.09	9.98
12.75	1.17	28.9	29.1	4.02	9.68
12.8	1.4	37.3	37.4	3.73	9.93
12.85	1.45	40	40.1	3.61	10.11
12.9	1.63	38.1	38.2	4.25	10.49
12.95	1.53	36	36.1	4.24	10.16
13	1.46	34.6	34.7	4.21	10.26
13.05	1.38	33.8	34	4.07	10.18
13.1	1.43	34.4	34.5	4.13	10.27
13.15	1.51	34.2	34.3	4.41	10.18
13.2	1.57	34.5	34.6	4.55	10.57
13.25	1.58	33.8	33.9	4.65	10.12
13.3	1.56	33.7	33.8	4.62	9.96
13.35	1.54	33.6	33.7	4.57	10.07
13.4	1.51	34	34.1	4.42	10.21
13.45	1.49	34.4	34.5	4.31	10.4
13.5	1.48	34.7	34.8	4.24	10.52
13.55	1.46	35.1	35.3	4.13	10.38
13.6	1.51	38.2	38.4	3.94	10.41
13.65	1.51	38.6	38.7	3.89	10.09
13.7	1.77	38.5	38.7	4.57	10.19
13.75	1.78	41.6	41.7	4.26	10.37
13.8	1.82	44.1	44.2	4.11	10.5
13.85	2.16	44.5	44.6	4.84	10.48
13.9	2.73	57.1	57.3	4.76	10.87
13.95	2.84	61.1	61.3	4.64	10.68

14	3.12	52.1	52.2	5.97	10.55
14.05	3	55.7	55.9	5.36	10.68
14.1	3.04	55.3	55.4	5.49	10.75
14.15	2.4	46	46.2	5.2	11.07
14.2	1.93	38.4	38.5	5.02	10.96
14.25	1.58	40.4	40.6	3.89	11.37
14.3	1.41	36.7	36.8	3.82	10.83
14.35	1.49	34.4	34.6	4.3	11.02
14.4	1.61	34.6	34.8	4.63	10.67
14.45	1.51	38.3	38.4	3.94	10.63
14.5	1.45	35.2	35.4	4.09	10.82
14.55	1.47	34.8	35	4.21	10.78
14.6	1.47	36	36.1	4.08	10.48
14.65	1.54	39.1	39.3	3.93	11.1
14.7	2.2	42.5	42.6	5.16	10.95
14.75	2.37	48	48.1	4.91	10.34
14.8	2.43	33.3	33.4	7.29	10.51
14.85	2.27	38.5	38.7	5.86	11.34
14.9	2.05	37.1	37.3	5.49	10.91
14.95	2.1	38.1	38.3	5.48	10.79
15	2.61	43.8	44	5.92	11.38
15.05	2.73	53.2	53.4	5.11	11.08
15.1	2.72	48.6	48.8	5.58	10.99
15.15	2.76	47.1	47.3	5.84	11.65
15.2	3.4	64.6	64.8	5.24	11.8
15.25	3.59	74.8	75	4.79	11.71
15.3	5.02	72.9	73.1	6.87	12.87
15.35	6.25	137.4	137.6	4.54	12.94
15.4	7.98	157.1	157.3	5.07	12.31
15.45	8.86	153.7	153.9	5.76	12.8
15.5	8.03	118.1	118.3	6.79	13.77
15.55	6.4	92.5	92.7	6.9	13.97
15.6	6.63	84.7	84.9	7.8	13.18
15.65	7.17	160.6	160.8	4.46	13.68
15.7	7.58	297.9	298.1	2.54	14.25
15.75	7.83	346.7	346.9	2.26	14.22
15.8	7.23	378.7	378.9	1.91	12.64
15.85	7.03	414	414.1	1.7	13.34
15.9	7.21	420.9	421.1	1.71	13.7
15.95	6.98	426	426.2	1.64	13.7
16	6.45	440.7	440.9	1.46	13.96
16.05	5.97	486.1	486.3	1.23	14.09
16.1	6.53	534.2	534.4	1.22	15.08
16.15	8.43	542	542.2	1.55	14.96
16.2	10.57	526.6	526.9	2.01	15.87
16.25	12.13	516.4	516.6	2.35	18.23
16.3	11.55	478.4	478.7	2.41	17.84

16.35	10.75	423.9	424.2	2.53	17.72
16.4	8.99	391.6	391.9	2.29	16.69
16.45	9.03	410	410.2	2.2	17.08
16.5	9.21	426.8	427	2.16	17.54
16.55	9.86	419.6	419.8	2.35	18.28
16.6	8.52	429.7	430	1.98	18.48
16.65	8.91	440.6	440.9	2.02	19.29
16.7	9.98	453.1	453.4	2.2	19.39
16.75	11.37	456.9	457.2	2.49	21.26
16.8	11.83	454.3	454.6	2.6	21.09
16.85	8.76	456.8	457.1	1.92	21.82
16.9	9.98	420	420.3	2.37	22.66
16.95	11.76	350.6	350.8	3.35	19.36
17	8.37	304.6	304.9	2.75	20.16
17.05	9.66	262.5	262.8	3.68	20.38
17.1	10.49	229.5	229.8	4.57	20.56
17.15	11.21	249.1	249.4	4.49	21.03
17.2	11.41	237.9	238.2	4.79	22.64
17.25	9.57	242.3	242.6	3.94	21.58
17.3	7.78	234.4	234.7	3.32	21.17
17.35	6.52	231.3	231.6	2.82	21.01
17.4	6	238	238.3	2.52	20.45
17.45	6.5	255.4	255.7	2.54	20.26
17.5	7.43	271.2	271.5	2.74	20.48
17.55	8.37	298.3	298.6	2.8	21.07
17.6	9.39	352.6	352.9	2.66	22.19
17.65	11.12	390.6	390.9	2.84	22.74
17.7	9.42	390.1	390.4	2.41	24.56
17.75	9.49	431.2	431.6	2.2	28.85
17.8	10.51	457.8	458.2	2.29	26.4
17.85	11.05	442.3	442.7	2.5	26
17.9	11.61	427.5	427.9	2.71	27.41
17.95	11.53	469.5	469.9	2.45	28.82
18	10.27	518.6	518.9	1.98	28.01
18.05	8.67	519	519.4	1.67	28.2
18.1	8.26	518.9	519.3	1.59	27.86
18.15	8.96	486.7	487.1	1.84	28.02
18.2	9.3	439	439.4	2.12	28.87
18.25	9.74	417.2	417.6	2.33	28.67
18.3	10.32	432.3	432.7	2.39	27.41

Depth (m)	Sleeve (tsf)	Tip(unc) (tsf)	Tip(cor) (tsf)	F. Ratio (%)	U (psi)
0.05	0	25.7	25.7	0	0.22
0.1	0.78	22.9	22.9	3.39	0.6
0.15	0.99	25.3	25.3	3.9	3.16
0.2	1.03	34.5	34.5	2.98	6.63
0.25	0.99	33.7	33.8	2.92	5.48
0.3	1.91	39.8	39.8	4.8	1.64
0.35	2.24	75.5	75.6	2.96	3.96
0.4	2.2	57.1	57.2	3.86	3.45
0.45	1.47	50.2	50.2	2.93	1.32
0.5	1.12	42.5	42.5	2.64	0.29
0.55	0.74	32	32	2.31	-0.24
0.6	0.56	26.7	26.7	2.08	-0.35
0.65	0.42	25.3	25.3	1.64	0.15
0.7	0.37	22.1	22	1.67	-0.11
0.75	0.29	24.2	24.2	1.21	-0.14
0.8	0.35	27.3	27.3	1.27	0.51
0.85	0.39	30	30	1.3	0.52
0.9	0.38	30.2	30.2	1.25	0.86
0.95	0.56	31.2	31.2	1.81	0.47
1	1	42.5	42.5	2.36	0.7
1.05	1.52	59.2	59.2	2.57	0.9
1.1	1.88	70.6	70.6	2.66	2.42
1.15	2.13	64.9	64.9	3.29	2.17
1.2	2.04	58.5	58.5	3.48	1.56
1.25	1.72	53.8	53.8	3.19	0.88
1.3	1.77	51.4	51.4	3.45	0.25
1.35	2.28	53.2	53.2	4.29	0.79
1.4	2.63	60	60.1	4.39	2.28
1.45	2.69	66.1	66.2	4.07	2.95
1.5	2.38	56.9	56.9	4.19	3.94
1.55	1.72	48	48	3.59	1.93
1.6	1.64	46.8	46.9	3.5	1.25
1.65	1.65	45.5	45.5	3.63	0.77
1.7	1.75	44.4	44.4	3.95	0.96
1.75	2.62	49.8	49.8	5.26	0.73
1.8	4.41	62.7	62.7	7.04	1.18
1.85	5.67	92.8	92.8	6.11	3.19
1.9	7.03	94.7	94.8	7.42	5.97
1.95	7.52	95.4	95.4	7.88	5.03
2	7.4	94.6	94.7	7.81	6.89
2.05	6.74	87.2	87.3	7.72	5.99
2.1	5.87	79.4	79.5	7.38	6.58
2.15	5.22	84.1	84.2	6.2	7.25
2.2	4.76	99.6	99.7	4.78	7.97

2.25	3.91	109.7	109.9	3.55	8.82
2.3	3.14	103.8	103.8	3.02	6.17
2.35	2.38	95.9	96	2.48	5.44
2.4	2.06	86.6	86.7	2.37	4.42
2.45	1.65	74	74	2.23	4.27
2.5	1.23	64.3	64.4	1.91	3.47
2.55	1.01	59.9	59.9	1.68	2.83
2.6	1.09	61.1	61.1	1.79	2.47
2.65	1.38	61	61.1	2.25	3.15
2.7	1.68	64.6	64.7	2.59	3.73
2.75	2.23	61.5	61.6	3.62	4.01
2.8	2.53	52.7	52.7	4.81	4.69
2.85	2.81	43.5	43.6	6.46	4.11
2.9	2.47	38.4	38.4	6.43	5.01
2.95	2.24	31.1	31.2	7.18	3.63
3	2.01	29.5	29.6	6.78	3.73
3.05	2.11	28.4	28.5	7.41	3.92
3.1	2.53	31.8	31.9	7.94	3.33
3.15	2.8	38.5	38.6	7.26	4.21
3.2	2.6	53.5	53.6	4.85	5.76
3.25	2.17	80.7	80.8	2.69	5.58
3.3	1.81	77.5	77.6	2.33	4.08
3.35	1.87	68	68	2.75	4.26
3.4	2.36	58	58	4.07	5.54
3.45	2.96	57	57.1	5.18	6.84
3.5	3.08	55.4	55.5	5.54	7.37
3.55	3.59	58.9	59	6.09	8.42
3.6	3.85	62.4	62.5	6.15	8.49
3.65	4.04	66.5	66.6	6.06	9.81
3.7	3.75	63.7	63.8	5.88	9.85
3.75	3.16	44.7	44.8	7.06	8.38
3.8	2.49	36.7	36.8	6.77	7.09
3.85	1.88	35.4	35.5	5.31	8.14
3.9	1.78	35.7	35.8	4.96	8.07
3.95	1.9	37.7	37.8	5.03	8.86
4	2.1	38.7	38.8	5.41	9.18
4.05	2.25	40.7	40.9	5.5	10.69
4.1	2.42	42.3	42.5	5.71	12.09
4.15	2.58	43.2	43.4	5.95	12.9
4.2	2.8	46.2	46.4	6.04	13.44
4.25	2.95	48.1	48.3	6.1	14.2
4.3	3.06	48.4	48.6	6.3	17.79
4.35	3.07	47.9	48.2	6.36	19.07
4.4	3.2	43.2	43.5	7.35	18.77
4.45	3.21	39.8	40.1	8.02	16.12
4.5	3.1	44	44.2	7.03	16.38
4.55	3.03	47.3	47.6	6.37	19.04

4.6	3.06	45.6	45.9	6.66	21.24
4.65	3.08	44.2	44.5	6.92	18.54
4.7	3.04	44.1	44.4	6.85	19.42
4.75	2.88	43.3	43.6	6.61	19.69
4.8	2.72	43.3	43.5	6.26	19.09
4.85	2.59	38.5	38.8	6.68	17.94
4.9	2.87	37.5	37.7	7.61	15.49
4.95	3.45	49.9	50.2	6.88	14.8
5	4.31	74.7	74.9	5.76	16.56
5.05	5.55	92.1	92.4	6	19.89
5.1	5.96	185.5	186	3.2	34.13
5.15	5.98	280	280.8	2.13	52.48
5.2	5.62	307.3	307.6	1.83	22.35
5.25	4.98	284.7	284.9	1.75	13.65
5.3	5.16	254.2	254.3	2.03	13.62
5.35	5.19	228.9	229.1	2.27	11.96
5.4	5.39	204.5	204.7	2.63	11.12
5.45	4.96	163.2	163.3	3.04	8.19
5.5	4.07	109.4	109.5	3.72	11.18
5.55	3.38	69.2	69.4	4.87	11.98
5.6	2.29	46.1	46.2	4.96	6
5.65	1.44	39.4	39.5	3.64	5.25
5.7	1.21	35	35.1	3.44	5.06
5.75	1.15	39.8	39.9	2.87	6.65
5.8	1.5	54	54.1	2.78	5.57
5.85	1.9	68.5	68.6	2.77	7.45
5.9	2.42	57	57.1	4.24	10
5.95	2.15	42.8	42.9	5	8.46
6	1.92	44.8	44.9	4.28	10.73
6.05	2.06	64.8	64.9	3.18	10.77
6.1	2.22	57.4	57.6	3.85	12.81
6.15	2.11	44.8	45	4.69	11.21
6.2	1.45	35.7	35.8	4.04	10.02
6.25	1.03	29.6	29.8	3.47	10.82
6.3	0.92	29.6	29.8	3.09	11.83
6.35	1.15	39.8	40	2.88	14.46
6.4	1.43	87.8	88.1	1.62	19.78
6.45	1.71	142.4	142.5	1.2	12.81
6.5	1.92	126.5	126.6	1.52	6.62
6.55	2.18	94.8	94.9	2.29	5.71
6.6	2.3	57.9	58	3.97	5.16
6.65	2.17	35.6	35.7	6.08	6.91
6.7	1.57	29.5	29.6	5.32	8.31
6.75	1.38	37.4	37.6	3.68	9.11
6.8	1.36	34.8	35	3.9	11.75
6.85	1.04	25.3	25.4	4.08	9.61
6.9	0.8	21.3	21.5	3.71	10.68

6.95	0.61	18.4	18.6	3.28	10.5
7	0.54	17.8	17.9	3.03	10.19
7.05	0.55	19.1	19.2	2.87	10.7
7.1	0.68	24	24.2	2.81	12.1
7.15	0.93	27.3	27.5	3.38	12.1
7.2	1.23	32.2	32.4	3.79	13.41
7.25	1.54	35.4	35.6	4.34	14.56
7.3	1.77	40.1	40.3	4.4	18.33
7.35	1.51	43.7	44	3.43	23.01
7.4	1.28	32.2	32.3	3.97	13.14
7.45	1.14	24.1	24.3	4.69	16.26
7.5	0.9	31.9	32.2	2.81	19.98
7.55	0.93	31.3	31.7	2.95	24.21
7.6	0.96	30.1	30.5	3.15	26.42
7.65	1.03	31	31.3	3.3	27.31
7.7	1.11	32.5	32.9	3.38	27.4
7.75	1.15	34	34.3	3.36	28
7.8	1.12	33.9	34.3	3.27	27.48
7.85	1.09	33	33.4	3.27	28.05
7.9	1.03	32.2	32.6	3.15	29.59
7.95	1.05	33.7	34.1	3.09	29.86
8	1.08	35.9	36.4	2.98	31.08
8.05	1.14	37.1	37.6	3.04	32.8
8.1	1.29	41	41.6	3.1	38.92
8.15	1.34	42	42.5	3.14	34.82
8.2	1.43	40.4	41	3.49	38.27
8.25	1.23	38.7	39.2	3.13	36.82
8.3	1.32	37.6	38.1	3.46	38.09
8.35	1.23	35.7	36.2	3.38	37.93
8.4	1.11	37.1	37.6	2.94	38.25
8.45	1.01	37.4	38	2.65	41.51
8.5	0.96	39.3	40	2.39	45.53
8.55	0.97	39.4	40.1	2.42	47.16
8.6	1.04	40.2	40.8	2.54	47.07
8.65	1.14	38.3	39	2.93	47.47
8.7	1.25	37.6	38.2	3.26	45.07
8.75	1.31	36.8	37.4	3.5	43.67
8.8	1.29	36.6	37.2	3.46	44.31
8.85	1.17	35.9	36.5	3.2	43.91
8.9	1.11	36.1	36.7	3.03	43.36
8.95	1.16	36.6	37.3	3.12	44.3
9	1.21	36.2	36.8	3.3	42.04
9.05	1.22	34.8	35.4	3.46	43.28
9.1	1.19	35.2	35.9	3.31	44.77
9.15	1.19	37.6	38.2	3.1	45.09
9.2	1.35	40.4	41.1	3.29	50.09
9.25	1.6	43.9	44.7	3.57	50.5

9.3	1.93	44.8	45.5	4.24	49.69
9.35	1.99	43.8	44.5	4.47	47.63
9.4	1.84	42.4	43.1	4.28	53.2
9.45	1.69	40.2	40.9	4.12	53.41
9.5	1.71	40.5	41.2	4.14	53.88
9.55	1.71	40.6	41.3	4.15	50.83
9.6	1.83	39.7	40.4	4.54	51.81
9.65	1.86	36.8	37.5	4.96	49.93
9.7	1.85	35.7	36.3	5.09	46.33
9.75	1.79	33	33.6	5.32	45.14
9.8	1.59	32.2	32.8	4.85	45.12
9.85	1.35	30.9	31.5	4.27	44.33
9.9	1.22	30.3	30.9	3.96	46.4
9.95	1.21	35.8	36.5	3.3	50.32
10	1.34	41.3	42.1	3.19	57.65
10.05	1.54	42.6	43.4	3.54	57.42
10.1	1.63	46.1	46.9	3.48	59.14
10.15	1.66	44.8	45.7	3.63	60.26
10.2	1.7	45.8	46.7	3.63	63.91
10.25	2.23	50	51	4.37	72.16
10.3	3.24	71.7	72.8	4.45	83.86
10.35	3.67	96.4	97.9	3.75	106.21
10.4	4.29	77.8	81	5.3	227.38
10.45	3.69	159.5	161.9	2.28	178.08
10.5	3.52	219.8	220.1	1.6	21.91
10.55	4.21	219.6	219.7	1.92	9.74
10.6	3.83	138.9	139	2.75	7.01
10.65	2.93	72.7	72.8	4.02	7.95
10.7	2.35	51.3	51.6	4.56	17.84
10.75	1.96	52	52.2	3.75	19.25
10.8	2.38	53.4	53.7	4.43	19.32
10.85	3.42	69.6	69.9	4.88	24.73
10.9	4.38	79.5	79.9	5.47	27.66
10.95	5.48	84.3	85	6.44	47.43
11	5.46	103.2	103.7	5.26	34.8
11.05	6.02	86.9	87.3	6.89	29.75
11.1	5.19	86.4	86.9	5.97	36.93
11.15	4.86	79.2	80	6.07	54.03
11.2	5.2	138.8	140.4	3.7	117.58
11.25	5.81	241.7	242.4	2.4	46.59
11.3	5.77	252.2	252.4	2.29	11.82
11.35	5.37	166.7	166.8	3.22	5.67
11.4	4.46	86.7	86.7	5.15	2.6
11.45	3.15	50.3	50.3	6.25	3.53
11.5	2	42.7	42.8	4.67	5.85
11.55	1.31	44.8	44.9	2.93	6.83
11.6	1.19	36.9	37	3.2	8.58

11.65	1.05	32.3	32.4	3.23	8.52
11.7	0.88	29.9	30	2.92	8.37
11.75	0.82	28.4	28.5	2.89	8.01
11.8	0.82	29.5	29.6	2.79	8.76
11.85	0.84	31.5	31.6	2.67	9.34
11.9	0.85	33.3	33.4	2.55	9.92
11.95	0.34	34.9	35	0.98	10.65
12	0.97	36	36.2	2.67	11.08
12.05	1.05	29.8	30	3.49	12.46
12.1	1.17	41.2	41.4	2.81	14.43
12.15	1.18	38.4	38.6	3.05	15.32
12.2	1.16	39.7	40	2.89	17.3
12.25	1.14	45.3	45.5	2.51	16.86
12.3	1.12	43.9	44.2	2.54	19.22
12.35	1.13	42	42.3	2.68	19.49
12.4	1.18	43.2	43.4	2.72	20.3
12.45	1.47	43.3	43.6	3.37	21.26
12.5	2.24	48.3	48.6	4.62	21.81
12.55	2.98	68.4	68.7	4.33	25.29
12.6	3.78	101.6	102.2	3.69	43.48
12.65	3.06	71.8	72	4.25	15.73
12.7	2.74	53.6	54	5.07	29.1
12.75	2.34	40.3	40.7	5.75	24.75
12.8	1.79	31.7	32	5.6	23.35
12.85	1.28	31.2	31.6	4.06	26.36
12.9	1	30.4	30.8	3.24	28.57
12.95	0.96	28.2	28.5	3.38	27.96
13	0.88	25.7	26.1	3.35	30.46
13.05	0.86	30.8	31.3	2.75	34.07
13.1	0.97	34.3	34.8	2.78	36.27
13.15	1.06	37.8	38.3	2.76	39.35
13.2	1.16	39.1	39.6	2.93	40.4
13.25	1.18	38.7	39.3	3.01	43.16
13.3	1.24	36.1	36.8	3.37	43.74
13.35	1.34	39.1	39.7	3.36	44.33
13.4	1.37	37.9	38.5	3.55	43.57
13.45	1.37	38.3	38.9	3.54	44.31
13.5	1.55	40.4	41.1	3.76	48.25
13.55	1.76	40.9	41.5	4.24	47.46
13.6	1.97	42.8	43.5	4.52	50.65
13.65	2.07	43.4	44.1	4.68	52.57
13.7	2.12	44.4	45.1	4.7	54.86
13.75	2.08	45.6	46.4	4.48	56.45
13.8	2.17	44	44.8	4.85	58.89
13.85	2.4	43.7	44.5	5.4	58.16
13.9	2.76	43.9	44.7	6.18	63.4
13.95	2.64	48.1	48.9	5.4	60.14

14	2.55	43.2	44.2	5.77	69.58
14.05	2.17	43	43.9	4.93	70.85
14.1	1.9	42.6	43.6	4.35	73.88
14.15	1.85	38.8	39.8	4.65	74.9
14.2	1.84	38.5	39.6	4.65	78.36
14.25	1.86	42.5	43.7	4.25	83.61
14.3	2.11	47.8	49	4.3	87.06
14.35	2.23	54.3	55.6	4.01	91.17
14.4	2.07	51.4	52.1	3.98	49.67
14.45	1.99	46.6	47.5	4.19	60.61
14.5	2.05	48.2	49.1	4.18	63.63
14.55	2.04	51	51.8	3.94	60.25
14.6	2.24	51.6	52.5	4.26	63.34
14.65	2.24	51.5	52.4	4.28	63.35
14.7	2.13	52.6	53.5	3.98	67.21
14.75	2.2	52.4	53.4	4.12	69.69
14.8	2.45	51.6	52.6	4.66	70.74
14.85	2.43	57.5	58.6	4.14	78.45
14.9	2.54	55.3	56.5	4.5	84.15
14.95	2.65	57.7	59	4.5	89.67
15	2.97	87.6	89.2	3.33	117.16
15.05	3.3	80.7	81.5	4.05	56.65
15.1	4.42	72.2	73.2	6.04	71.11
15.15	4.73	73.9	74.6	6.34	50.41
15.2	3.72	63	63.5	5.85	39.91
15.25	4.04	60.2	61.1	6.61	67.28
15.3	4.21	72.9	73.6	5.73	47.49
15.35	4.1	59.7	60.2	6.82	31.77
15.4	3.23	50.3	50.8	6.35	39.29
15.45	2.31	48.7	49.4	4.68	49.71
15.5	2.14	47.6	48.3	4.42	50.01
15.55	2.37	45.8	46.5	5.09	53.13
15.6	2.64	47.1	47.8	5.52	53.36
15.65	2.7	48.9	49.6	5.43	52.25
15.7	3.55	53.4	54.2	6.56	55.33
15.75	4.92	96.4	97.4	5.05	71.88
15.8	6.54	202	202.8	3.22	53.13
15.85	8.3	240.6	240.8	3.45	15.54
15.9	8.46	173.2	173.3	4.88	3.38
15.95	8.6	111.6	111.6	7.7	2.54
16	8.29	122.7	122.8	6.75	4.36
16.05	7.5	118.9	119.1	6.29	15.71
16.1	7.06	114.9	115.1	6.13	10.45
16.15	7.7	133.4	133.7	5.76	17.44
16.2	9.85	178.8	179.2	5.5	24.82
16.25	11.44	182.3	182.7	6.26	23.1
16.3	11.28	178.2	178.6	6.31	26.37

16.35	11.08	228.6	229.1	4.83	38.7
16.4	11.07	244.8	245.1	4.51	23.67
16.45	0	232.4	232.7	0	18.06
16.5	0	196.4	196.6	0	13.99

Depth (m)	Sleeve (tsf)	Tip(unc) (tsf)	Tip(cor) (tsf)	F. Ratio (%)	U (psi)
0.05	0	8.8	8.8	0	-0.22
0.1	0.05	13.4	13.4	0.38	-0.39
0.15	0.11	25.8	25.8	0.42	-0.39
0.2	0.13	28.2	28.2	0.45	-0.27
0.25	0.1	21	21	0.48	-0.22
0.3	0.11	17.3	17.3	0.61	-0.17
0.35	0.08	14.8	14.8	0.54	-0.34
0.4	0.07	17.4	17.4	0.38	-0.21
0.45	0.11	13.4	13.4	0.84	-0.43
0.5	0.09	14.5	14.5	0.63	-0.4
0.55	0.13	16.3	16.2	0.79	-0.22
0.6	0.14	17.4	17.4	0.8	-0.18
0.65	0.16	18.4	18.4	0.87	-0.21
0.7	0.32	19	19	1.68	-0.31
0.75	0.97	25.2	25.2	3.84	-0.1
0.8	1.66	42.9	42.9	3.87	-0.12
0.85	2.01	58.1	58.1	3.47	-0.32
0.9	1.74	49.5	49.5	3.52	-0.53
0.95	1.07	40.7	40.7	2.63	-0.4
1	0.62	37.9	37.9	1.64	-0.26
1.05	0.58	35.4	35.4	1.63	-0.48
1.1	0.6	39	39	1.54	-0.14
1.15	0.65	41.8	41.8	1.56	-0.53
1.2	0.7	56.1	56.1	1.24	-0.17
1.25	0.72	47.6	47.6	1.51	-0.31
1.3	0.52	38.9	38.9	1.35	-0.33
1.35	0.49	28.6	28.6	1.71	-0.04
1.4	0.37	26.7	26.7	1.37	-0.39
1.45	0.36	21.7	21.7	1.66	-0.22
1.5	0.71	27.2	27.2	2.62	-0.38
1.55	1.59	40.2	40.2	3.97	-0.06
1.6	3.35	68	68	4.93	-0.17
1.65	5.52	80.8	80.8	6.83	0.01
1.7	7.11	87.8	87.8	8.1	0.18
1.75	7.63	89.9	89.9	8.48	-0.27
1.8	7.49	89	89	8.42	-0.68
1.85	6.28	87.1	87.1	7.22	-1.27
1.9	4.1	80.8	80.7	5.08	-2.45
1.95	2.09	67.1	67.1	3.11	-0.88
2	0.88	55	55	1.6	-0.94
2.05	0.73	49.3	49.2	1.47	-0.55
2.1	0.89	50.7	50.6	1.75	-0.47
2.15	1.19	57.3	57.3	2.07	-0.3
2.2	1.43	63	63	2.27	-0.25

2.25	1.19	68.6	68.6	1.73	-0.3
2.3	1.24	72.9	72.9	1.7	-0.48
2.35	0.99	76.1	76.1	1.3	-0.57
2.4	0.43	72.3	72.3	0.59	-0.47
2.45	1.65	63.4	63.4	2.6	-0.38
2.5	2.27	20.7	20.7	10.96	-0.23
2.55	2.72	44.8	44.8	6.07	-0.38
2.6	2.97	44.4	44.4	6.7	-0.24
2.65	3	43.8	43.8	6.86	-0.39
2.7	2.94	43.4	43.4	6.78	-0.15
2.75	2.83	41.8	41.8	6.77	-0.44
2.8	2.62	39.6	39.6	6.61	-0.29
2.85	2.39	37.2	37.2	6.43	-0.26
2.9	2.27	34.6	34.6	6.56	-0.34
2.95	2.17	35.5	35.5	6.11	-0.52
3	2.23	34	34	6.54	-0.38
3.05	2.16	32.4	32.4	6.66	-0.51
3.1	2.25	35.3	35.3	6.37	-0.55
3.15	2.19	36.5	36.5	5.99	-0.43
3.2	2.09	41.3	41.3	5.05	-0.17
3.25	1.89	41.7	41.7	4.53	-0.54
3.3	1.74	35.6	35.5	4.91	-0.61
3.35	1.53	32.4	32.4	4.73	-0.81
3.4	1.4	30.9	30.9	4.53	-0.55
3.45	1.46	31	31	4.71	-0.61
3.5	1.54	34.1	34.1	4.52	-0.89
3.55	1.47	39.1	39.1	3.76	-0.65
3.6	1.34	45.3	45.3	2.95	-0.81
3.65	1.09	48.5	48.5	2.24	-0.68
3.7	1.05	45.3	45.3	2.32	-0.59
3.75	1.22	47	47	2.6	-0.95
3.8	1.6	41	41	3.91	-0.94
3.85	1.85	46.2	46.2	4	-0.71
3.9	1.64	53.6	53.5	3.07	-0.63
3.95	1.66	59	59	2.81	-0.77
4	1.77	57.9	57.9	3.06	-0.67
4.05	2.12	46.7	46.7	4.54	-0.6
4.1	2.43	49.3	49.3	4.93	-0.61
4.15	2.65	47.1	47.1	5.62	-0.41
4.2	2.38	38.5	38.5	6.19	-0.54
4.25	2.01	34.1	34.1	5.9	-0.25
4.3	1.89	32.7	32.7	5.78	-0.24
4.35	1.96	32.9	32.9	5.95	-0.16
4.4	2.11	33.8	33.8	6.23	-0.21
4.45	2.14	34.3	34.3	6.25	-0.57
4.5	2.27	36	36	6.33	-0.28
4.55	2.55	39.4	39.4	6.49	-0.09

4.6	2.81	43.6	43.6	6.45	-0.13
4.65	2.97	40.7	40.7	7.3	-0.14
4.7	2.92	39.4	39.4	7.4	-0.03
4.75	2.79	39.1	39.1	7.15	-0.12
4.8	2.76	40.3	40.3	6.83	-0.08
4.85	2.81	43	43	6.54	-0.15
4.9	3.11	53.1	53.1	5.86	0.18
4.95	3.61	100.8	100.8	3.59	0.13
5	3.97	107.4	107.4	3.7	-0.04
5.05	4.12	96.5	96.5	4.27	0.05
5.1	3.74	76.3	76.3	4.9	-0.07
5.15	3.28	64	64	5.12	-0.13
5.2	2.66	68.1	68.1	3.91	0.34
5.25	2.21	95.7	95.7	2.31	0.02
5.3	2.16	132.6	132.6	1.63	-0.15
5.35	2.44	162.8	162.8	1.5	-0.17
5.4	3.08	185.1	185.1	1.66	-0.3
5.45	3.4	210.1	210.1	1.62	0.3
5.5	3.4	248.1	248.1	1.37	0.54
5.55	3.16	260.2	260.2	1.21	0.15
5.6	3.69	221.3	221.3	1.67	0.18
5.65	4.64	167.7	167.7	2.77	-0.02
5.7	5.19	119.9	119.9	4.33	0.32
5.75	5.52	161	161	3.43	0.12
5.8	5.59	253.4	253.4	2.21	0.81
5.85	5.38	323.6	323.6	1.66	0.25
5.9	4.01	324.1	324.1	1.24	0.25
5.95	3.11	254.7	254.7	1.22	0.25
6	3.24	198.5	198.5	1.63	-0.17
6.05	4.1	159.3	159.3	2.57	0.08
6.1	4.43	116.6	116.6	3.8	0.42
6.15	3.42	177.4	177.4	1.93	1.17
6.2	3.03	270.9	270.9	1.12	0.93
6.25	2.59	287.6	287.6	0.9	0.34
6.3	2.32	299.4	299.5	0.78	0.31
6.35	2.29	278.5	278.5	0.82	0.39
6.4	2.2	237.8	237.8	0.92	0.11
6.45	2.15	205	205	1.05	-0.06
6.5	2.68	193.4	193.4	1.39	0.13
6.55	3.3	187.5	187.5	1.76	0.21
6.6	3.45	174.9	174.9	1.97	-0.09
6.65	3.3	154.2	154.2	2.14	0.51
6.7	3.12	134	134	2.33	-0.03
6.75	3.54	109.7	109.7	3.22	0.28
6.8	3.62	79.1	79.1	4.58	0.52
6.85	2.81	52	52.1	5.39	1.34
6.9	2.29	44.8	44.9	5.11	1.05

6.95	1.99	53.2	53.3	3.73	1.18
7	1.96	47.7	47.7	4.11	0.94
7.05	1.64	34.4	34.4	4.78	1.07
7.1	1.11	27.5	27.5	4.04	0.9
7.15	0.85	24.7	24.7	3.43	1.03
7.2	0.79	24	24	3.29	0.88
7.25	0.73	23.8	23.8	3.09	0.31
7.3	0.72	26.1	26.1	2.76	0.72
7.35	0.74	26.6	26.6	2.78	0.61
7.4	0.73	25	25	2.93	0.48
7.45	0.73	23.3	23.3	3.12	0.54
7.5	0.72	24.6	24.6	2.91	0.85
7.55	0.74	25.2	25.2	2.95	0.44
7.6	0.76	24.7	24.7	3.06	0.64
7.65	0.75	23.5	23.5	3.18	0.54
7.7	0.76	24.3	24.3	3.13	0.57
7.75	0.79	26.2	26.2	3	0.41
7.8	0.77	26.1	26.1	2.96	0.5
7.85	0.8	27.2	27.2	2.95	1.11
7.9	0.79	26.7	26.8	2.96	0.41
7.95	0.8	27.2	27.2	2.93	0.41
8	0.82	28.7	28.7	2.86	0.53
8.05	0.9	28.8	28.8	3.14	0.17
8.1	0.91	30.6	30.6	2.99	0.38
8.15	0.91	32.8	32.8	2.76	0.74
8.2	0.95	33.7	33.7	2.83	0.61
8.25	0.98	33.9	33.9	2.88	0.32
8.3	1.03	34.4	34.4	2.99	1.01
8.35	1.04	31.7	31.7	3.27	0.76
8.4	1	29.3	29.3	3.42	0.7
8.45	0.93	28.5	28.5	3.26	0.8
8.5	0.91	29.1	29.1	3.12	0.66
8.55	0.97	30.6	30.6	3.16	0.71
8.6	0.99	31.1	31.1	3.17	1.15
8.65	0.93	30.6	30.6	3.05	1.51
8.7	0.86	28.1	28.1	3.07	0.49
8.75	0.91	29.8	29.8	3.04	0.72
8.8	1.08	34.7	34.8	3.09	0.79
8.85	1.25	36.7	36.7	3.41	1.22
8.9	1.31	34.1	34.1	3.84	0.47
8.95	1.34	35.7	35.7	3.75	0.89
9	1.27	33.7	33.7	3.77	0.75
9.05	1.3	34.2	34.2	3.79	1.52
9.1	1.14	32.2	32.2	3.55	0.86
9.15	1.14	34.3	34.3	3.32	1.56
9.2	1.33	37.2	37.2	3.57	0.8
9.25	2.47	61.2	61.2	4.03	1.11

9.3	3.51	89.3	89.3	3.93	1.85
9.35	3.41	65.6	65.6	5.19	1.15
9.4	2.71	48.7	48.7	5.57	1.13
9.45	1.8	42.4	42.4	4.25	1.26
9.5	1.53	40.5	40.5	3.78	1.82
9.55	1.54	37.8	37.8	4.06	1.29
9.6	1.54	36.8	36.8	4.19	1.13
9.65	1.52	38.9	38.9	3.92	2.21
9.7	1.65	38.3	38.3	4.31	2.11
9.75	1.7	36.6	36.6	4.65	1.31
9.8	1.59	38	38	4.19	2.82
9.85	1.59	36.8	36.8	4.31	2.37
9.9	1.69	36.1	36.1	4.69	1.55
9.95	1.71	35.5	35.6	4.82	1.26
10	1.76	35.7	35.7	4.93	2.04
10.05	1.62	32.8	32.8	4.95	1.28
10.1	1.46	31.3	31.3	4.67	1.36
10.15	1.29	29.9	30	4.3	1.41
10.2	1.21	31.8	31.8	3.79	2.17
10.25	1.23	34.3	34.3	3.58	1.41
10.3	1.34	36.8	36.8	3.65	1.51
10.35	1.42	37.8	37.9	3.75	1.64
10.4	1.47	38.2	38.2	3.85	1.35
10.45	1.47	41.4	41.4	3.55	1.56
10.5	1.43	42.7	42.7	3.35	1.46
10.55	1.44	42.3	42.4	3.41	1.8
10.6	1.93	43	43	4.5	1.47
10.65	2.77	64.1	64.2	4.31	1.56
10.7	3.69	85.2	85.2	4.33	2.14
10.75	3.69	78.6	78.6	4.69	1.95
10.8	2.62	50	50.1	5.23	1.57
10.85	1.71	35.7	35.7	4.79	1.88
10.9	1.25	34.4	34.4	3.63	2.5
10.95	1.15	33.8	33.9	3.38	2.38
11	1.06	33.4	33.4	3.17	2.29
11.05	1.32	35.4	35.4	3.73	2.52
11.1	1.59	39.9	39.9	3.98	2.32
11.15	2.16	51.1	51.2	4.23	2.14
11.2	2.76	53.8	53.9	5.12	2.41
11.25	4	72.1	72.1	5.55	2.22
11.3	4.58	116.9	116.9	3.92	2.65
11.35	5.15	168.1	168.1	3.06	2.55
11.4	6.39	199	199.1	3.21	2.11
11.45	6.86	191.2	191.2	3.59	2.5
11.5	6.99	173.9	173.9	4.02	2.35
11.55	6.87	143.5	143.5	4.79	2.75
11.6	5.1	81.6	81.6	6.25	2.45

11.65	3.55	51.2	51.2	6.93	2.41
11.7	2.17	38.8	38.8	5.58	2.5
11.75	1.57	35.4	35.5	4.43	2.41
11.8	1.42	33.7	33.7	4.21	2.63
11.85	1.32	34.6	34.6	3.8	2.86
11.9	1.22	33.3	33.3	3.66	2.96
11.95	1.16	31.6	31.7	3.65	2.74
12	1.12	29.5	29.5	3.81	2.51
12.05	1.07	30.9	30.9	3.45	2.44
12.1	1.03	33.7	33.8	3.06	2.68
12.15	1.1	33.6	33.7	3.25	2.5
12.2	1.19	33	33	3.59	2.79
12.25	1.18	33.3	33.3	3.54	2.54
12.3	1.15	35	35	3.28	2.56
12.35	1.11	36.4	36.4	3.05	2.52
12.4	1.17	36	36.1	3.24	2.63
12.45	1.19	34.5	34.5	3.45	2.57
12.5	1.12	33.6	33.6	3.33	2.51
12.55	1.18	37	37.1	3.19	3.06
12.6	1.69	40.9	40.9	4.12	2.8
12.65	2.06	51.1	51.1	4.02	2.91
12.7	2.6	51.8	51.8	5.02	3.05
12.75	2.81	49.8	49.8	5.64	3.3
12.8	4.41	71	71.1	6.21	3.77
12.85	4.96	104.6	104.7	4.74	4.24
12.9	5.63	117.5	117.6	4.79	4.78
12.95	4.56	93	93	4.9	3.68
13	3.7	67.8	67.9	5.45	4.23
13.05	3.07	45.3	45.4	6.75	3.67
13.1	2.6	33.6	33.6	7.72	3.96
13.15	1.87	31	31.1	6	4.02
13.2	1.51	27.9	28	5.39	4.36
13.25	1.32	26.4	26.4	4.99	4.37
13.3	1.26	25.9	26	4.84	4.26
13.35	1.32	27.7	27.7	4.75	4.27
13.4	1.36	32.3	32.3	4.21	4.49
13.45	1.37	36.1	36.2	3.79	4.71
13.5	1.4	38.6	38.6	3.62	4.68
13.55	1.61	36.9	37	4.36	4.78
13.6	1.64	35.8	35.9	4.57	4.68
13.65	1.69	41.5	41.6	4.07	4.81
13.7	1.86	43.6	43.6	4.27	4.96
13.75	1.72	39.3	39.4	4.37	4.72
13.8	1.63	36.2	36.3	4.5	4.89
13.85	1.39	38.2	38.3	3.64	5.08
13.9	1.53	39.9	40	3.83	4.99
13.95	1.75	40.1	40.2	4.34	4.9

14	1.85	41.1	41.2	4.5	5.16
14.05	1.77	40.4	40.5	4.38	5.16
14.1	1.72	40.2	40.2	4.28	5.07
14.15	1.85	39.8	39.9	4.65	5.02
14.2	1.95	39.5	39.6	4.92	4.71
14.25	2.01	38.4	38.4	5.22	5.09
14.3	1.93	36.2	36.3	5.32	4.81
14.35	1.76	34.5	34.5	5.08	5.06
14.4	1.62	33.3	33.3	4.85	5.07
14.45	1.6	33.5	33.6	4.75	5.01
14.5	1.68	34.4	34.5	4.89	4.98
14.55	2	41.4	41.5	4.83	5.31
14.6	2.15	49	49.1	4.38	5.13
14.65	2.24	48.1	48.1	4.65	5.04
14.7	2.15	46.4	46.4	4.63	5.16
14.75	2.03	46.9	47	4.32	5.45
14.8	1.97	45.8	45.9	4.3	5.46
14.85	1.99	44.6	44.7	4.47	5.21
14.9	1.89	46.7	46.8	4.04	5.51
14.95	1.79	45.3	45.4	3.95	5.34
15	1.83	44.4	44.4	4.11	5.38
15.05	1.95	45.4	45.5	4.28	5.38
15.1	1.89	45.5	45.6	4.16	5.46
15.15	2.03	45.9	45.9	4.41	5.47
15.2	2.02	47.9	47.9	4.22	5.32
15.25	2.31	51.5	51.5	4.47	5.61
15.3	2.28	54.8	54.9	4.16	5.6
15.35	2.42	57.6	57.7	4.2	5.45
15.4	2.24	52.2	52.3	4.29	5.64
15.45	1.74	46.8	46.8	3.72	5.76
15.5	1.79	43.3	43.4	4.12	5.63
15.55	1.66	42.3	42.4	3.92	5.68
15.6	1.75	43.7	43.7	4	5.66
15.65	1.91	47.6	47.6	4.02	5.71
15.7	1.96	52.7	52.8	3.72	5.9
15.75	2.53	47.4	47.5	5.32	5.78
15.8	2.81	38.6	38.7	7.27	5.92
15.85	2.17	37.6	37.7	5.76	5.89
15.9	1.67	41.4	41.5	4.02	6.5
15.95	1.68	42.5	42.6	3.93	6.02
16	1.86	42.6	42.7	4.37	6.04
16.05	2.2	42.2	42.3	5.21	6.13
16.1	2.43	41.7	41.8	5.81	6.04
16.15	2.36	42.4	42.5	5.54	6.52
16.2	2.22	41.5	41.6	5.32	6.19
16.25	2	41.4	41.4	4.84	5.92
16.3	1.9	42.1	42.2	4.5	6.14

16.35	1.87	41.5	41.6	4.49	6.08
16.4	1.97	40.1	40.2	4.92	6.14
16.45	2.02	40.4	40.5	4.99	6.29
16.5	2.21	46.5	46.6	4.73	6.48
16.55	2.34	47.2	47.3	4.94	6.55
16.6	2.29	43.1	43.2	5.3	6.21
16.65	2.05	43	43.1	4.76	6.44
16.7	2.25	46.8	46.9	4.8	6.72
16.75	2.97	68.5	68.5	4.34	6.85
16.8	4.65	127	127.1	3.66	6.34
16.85	5.8	111.1	111.2	5.22	5.89
16.9	4.81	71	71.1	6.77	5.71
16.95	3.35	47.2	47.3	7.09	6.37
17	2.24	38.8	38.9	5.75	6.7
17.05	1.76	35.3	35.4	4.99	6.54
17.1	1.68	34.4	34.5	4.87	6.72
17.15	1.74	35.7	35.8	4.86	6.76
17.2	1.73	35	35	4.94	6.84
17.25	1.71	34.2	34.3	4.99	6.71
17.3	1.76	37.8	37.9	4.63	7.12
17.35	1.62	39.6	39.7	4.09	7.05
17.4	1.7	35.9	36	4.71	7.17
17.45	1.63	36.7	36.8	4.44	7.03
17.5	1.67	43.8	43.9	3.81	7.46
17.55	1.78	44.4	44.5	4	7.22
17.6	2.03	48.6	48.7	4.17	7.66
17.65	2.12	50.7	50.8	4.17	7.78
17.7	2.04	60.1	60.2	3.39	8.1
17.75	2.06	51	51.1	4.02	7.93
17.8	2.54	52.3	52.4	4.85	7.85
17.85	3.15	79.1	79.2	3.98	8.05
17.9	4.51	105.1	105.3	4.28	8.27
17.95	5.16	106.5	106.6	4.84	7.9
18	4.4	82.7	82.8	5.32	7.64
18.05	4.28	71.1	71.2	6.01	8.22
18.1	5.34	116.4	116.6	4.58	9.07
18.15	6.52	214.3	214.5	3.04	9.3
18.2	9.02	306.5	306.7	2.94	9.48
18.25	11.75	325.1	325.3	3.61	8.68
18.3	10.01	328.3	328.5	3.05	9.53
18.35	8.09	489.8	489.9	1.65	12.5
18.4	8.72	695.3	695.4	1.25	10.01
18.45	10.14	672.5	672.6	1.51	11.47
18.5	11.97	663.7	663.9	1.8	12.83
18.55	9.77	641	641.2	1.52	13.03
18.6	12.01	621.9	622.1	1.93	13.74
18.65	9.94	619.6	619.6	1.6	-0.59

18.7	11.68	625.8	625.8	1.87	0.49
18.75	11.25	637.6	637.6	1.76	-1.25
18.8	11.7	584.7	584.7	2	-1.03
18.85	11.26	484.3	484.3	2.33	-1.2
18.9	10.31	437.1	437.1	2.36	-0.9
18.95	8.99	398.3	398.3	2.26	-1.38
19	8	396.3	396.3	2.02	-1.61
19.05	7.82	385.7	385.7	2.03	-1.51
19.1	9.2	379.2	379.2	2.43	-1.26
19.15	10.91	345.5	345.5	3.16	-1.09
19.2	10.95	330.4	330.3	3.31	-0.45
19.25	10.23	368.9	368.9	2.77	0.23
19.3	8.6	392	392	2.19	-0.26
19.35	7.32	400.1	400.1	1.83	-0.51
19.4	8.79	418.1	418.1	2.1	-0.55
19.45	9.93	419.1	419.1	2.37	-0.51
19.5	10.97	386.4	386.4	2.84	0
19.55	10.85	424.6	424.6	2.55	-0.26
19.6	9.79	438.5	438.5	2.23	-0.09
19.65	9.43	439.5	439.5	2.15	1.19
19.7	8.65	466.4	466.5	1.85	1.28
19.75	9	436.2	436.2	2.06	1.07
19.8	8.86	416.4	416.4	2.13	1.52
19.85	8.36	415.5	415.6	2.01	1.3
19.9	7.2	421.2	421.2	1.71	1.04
19.95	7.68	420.2	420.3	1.83	1.05
20	9.17	429.2	429.2	2.14	0.76
20.05	10.03	432.7	432.7	2.32	1.03
20.1	10.18	438	438	2.32	1.25
20.15	11	482.5	482.5	2.28	1.51
20.2	11.29	533.8	533.8	2.11	1.62
20.25	11.22	542.9	542.9	2.07	1.6
20.3	11.23	553.5	553.6	2.03	1.78
20.35	12.85	549.2	549.2	2.34	1.64
20.4	7.33	527.6	527.6	1.39	1.66
20.45	6.62	524.6	524.6	1.26	1.26
20.5	8.28	477.1	477.1	1.73	-2.18
20.55	8.02	440.7	440.7	1.82	-0.73
20.6	7.1	444.6	444.6	1.6	-0.54
20.65	7.11	431.3	431.3	1.65	-0.99
20.7	7.47	437.3	437.3	1.71	-0.57
20.75	8	473.5	473.5	1.69	-0.47
20.8	8.47	491.1	491.1	1.72	-0.35
20.85	9.17	511.6	511.6	1.79	-0.37
20.9	9.42	528.1	528.2	1.78	0.3
20.95	8.57	582.8	582.8	1.47	0.55
21	9.61	599.4	599.5	1.6	0.95

21.05	8.51	531.9	531.9	1.6	1.16
21.1	7.8	441.1	441.1	1.77	0.53
21.15	7.39	375.9	375.9	1.97	0.35
21.2	7.2	347.3	347.3	2.07	0.01
21.25	7.07	345.1	345.1	2.05	-0.27
21.3	5.9	365.4	365.4	1.62	0.44
21.35	6.42	353.1	353.2	1.82	1.01
21.4	7.61	350.9	350.9	2.17	0.59
21.45	9.09	346.7	346.7	2.62	-0.53
21.5	10.4	377.2	377.2	2.76	-0.15
21.55	11.85	383.5	383.5	3.09	0.61
21.6	7.66	378.7	378.7	2.02	0.99
21.65	8.53	415.1	415.1	2.05	0.45
21.7	10.47	528.8	528.8	1.98	-0.32
21.75	10.32	604	604	1.71	0.28
21.8	8.58	598.4	598.5	1.43	0.54
21.85	10.59	565.5	565.5	1.87	0.71
21.9	12.25	459.3	459.3	2.67	0.11
21.95	7.4	400	400	1.85	0.61
22	7.71	388.8	388.8	1.98	1.34
22.05	8.4	398.1	398.1	2.11	-0.55
22.1	9.51	382.4	382.4	2.49	-0.42
22.15	10.4	318.9	318.9	3.26	-0.54
22.2	8.73	178.9	178.8	4.88	-1.1
22.25	6.55	105.2	105.2	6.23	-0.95
22.3	5.35	115.8	115.8	4.62	-0.14
22.35	4.22	99.3	99.3	4.25	-0.47
22.4	3.65	59.8	59.8	6.11	0.1
22.45	2.52	46.8	46.8	5.39	0.01
22.5	2.07	51.6	51.6	4	0.21
22.55	2.66	74	74	3.59	0.29
22.6	4.68	116.5	116.5	4.02	0.79
22.65	5.75	192.3	192.3	2.99	0.29
22.7	5.7	294.8	294.8	1.93	0.07
22.75	4.97	321.9	321.9	1.54	-0.65
22.8	4.06	293.2	293.2	1.38	-0.75
22.85	0	269.9	269.9	0	-0.96
22.9	0	267.3	267.3	0	-0.53

Depth (m)	Sleeve (tsf)	Tip(unc) (tsf)	Tip(cor) (tsf)	F. Ratio (%)	U (psi)
0.05	0	50.4	50.4	0	0.61
0.1	1.19	62	62.1	1.91	1.32
0.15	1.34	65.1	65.1	2.06	1.23
0.2	1.17	49.3	49.4	2.38	0.6
0.25	0.81	40.1	40.1	2.02	0.73
0.3	0.74	29.8	29.8	2.49	0.59
0.35	0.73	25.7	25.7	2.84	0.6
0.4	0.71	27.4	27.4	2.6	0.68
0.45	1.18	33	33	3.59	0.37
0.5	1.78	56.3	56.4	3.15	0.68
0.55	2.09	80.3	80.3	2.6	1.36
0.6	2.15	66.2	66.2	3.24	0.67
0.65	1.65	57.6	57.6	2.87	0.42
0.7	1.4	52.1	52.1	2.69	0.81
0.75	1.46	58.6	58.6	2.49	1.1
0.8	1.64	57.5	57.5	2.86	0.86
0.85	1.55	52.6	52.6	2.94	0.62
0.9	1.2	40.5	40.6	2.96	0.98
0.95	0.82	37	37	2.22	0.46
1	0.87	38.1	38.1	2.28	1.21
1.05	0.93	39.2	39.2	2.37	0.96
1.1	1.09	37.7	37.7	2.89	0.81
1.15	1.5	41.9	41.9	3.58	1.37
1.2	1.9	54.4	54.4	3.49	1.25
1.25	2.16	54.8	54.9	3.93	2.65
1.3	2.11	50.4	50.5	4.18	1.66
1.35	1.79	46.5	46.5	3.84	2.15
1.4	1.63	41.2	41.2	3.96	1.64
1.45	1.45	41.3	41.3	3.52	1.65
1.5	1.5	41.7	41.8	3.58	1.72
1.55	1.31	41.9	42	3.12	1.24
1.6	1.16	43.4	43.4	2.66	1.38
1.65	1.82	47.8	47.9	3.8	2.27
1.7	3.38	50.1	50.1	6.75	0.84
1.75	4.27	68.1	68.2	6.26	1.28
1.8	6.45	86	86	7.49	3.14
1.85	7.9	99	101	7.82	142.59
1.9	7.61	90.7	92.4	8.23	120.42
1.95	6.64	84.5	85.3	7.79	53.54
2	5.86	81.8	82.3	7.13	36.79
2.05	5.21	77.6	78.1	6.66	35.53
2.1	4.87	77.9	78.4	6.21	33.5
2.15	4.73	81.2	81.6	5.79	33.26
2.2	4.65	87.9	88.3	5.27	25.92

2.25	4.45	97.6	98	4.55	24.57
2.3	4.11	100.8	101.1	4.06	19.29
2.35	3.72	94.6	94.9	3.92	17.73
2.4	3.57	86	86.2	4.15	14.44
2.45	3.45	83.9	84.1	4.1	8.91
2.5	2.96	83.4	83.5	3.54	7.29
2.55	3.04	80.9	80.9	3.76	4.82
2.6	3.04	78.7	78.8	3.86	5.44
2.65	3.39	73.5	73.5	4.61	4.5
2.7	3.4	70.1	70.2	4.84	3.51
2.75	3.94	68.1	68.2	5.78	3.16
2.8	4.2	67.3	67.4	6.24	3.19
2.85	4.36	64.9	64.9	6.71	3.28
2.9	4.32	60.6	60.7	7.11	3.07
2.95	4.39	59.3	59.4	7.39	3.2
3	4.33	57.1	57.1	7.59	2.82
3.05	4.31	57.3	57.3	7.52	2.92
3.1	4.18	55.1	55.2	7.58	2.66
3.15	3.97	52.6	52.7	7.54	3.09
3.2	3.66	51.1	51.2	7.15	2.67
3.25	3.47	50	50.1	6.92	2.88
3.3	3.29	44.9	44.9	7.33	2.4
3.35	3.37	44.1	44.1	7.65	3.43
3.4	3.36	43.4	43.5	7.72	3.38
3.45	3.01	45.1	45.2	6.65	2.9
3.5	2.36	50.6	50.7	4.66	3.25
3.55	1.62	56.5	56.5	2.87	3.44
3.6	1.03	53.3	53.3	1.94	2.2
3.65	1.12	50.2	50.3	2.23	3.12
3.7	1.28	44.7	44.7	2.86	1.95
3.75	1.39	37.4	37.4	3.72	1.91
3.8	1.54	31	31	4.98	2.23
3.85	1.86	28.5	28.5	6.51	2.1
3.9	1.98	42.5	42.5	4.65	2.29
3.95	1.8	56.1	56.1	3.22	2.7
4	1.67	50.4	50.4	3.32	2.89
4.05	1.22	41.9	41.9	2.92	2.64
4.1	1.15	33.8	33.9	3.41	2.17
4.15	1.29	28	28	4.6	2.23
4.2	1.42	24.8	24.8	5.71	2.53
4.25	1.52	23.6	23.6	6.42	2.58
4.3	1.45	24.3	24.3	5.96	2.79
4.35	1.4	24.4	24.5	5.72	2.79
4.4	1.21	27.4	27.4	4.39	2.7
4.45	1.17	27.9	28	4.18	2.38
4.5	1.19	27.8	27.8	4.27	2.47
4.55	1.23	28.5	28.5	4.31	2.43

4.6	1.09	31.7	31.7	3.44	2.6
4.65	1.04	34.9	34.9	2.97	2.57
4.7	1.11	35.8	35.8	3.1	2.6
4.75	1.26	33.4	33.4	3.76	2.27
4.8	1.35	37.2	37.2	3.62	2.73
4.85	1.32	73.3	73.4	1.8	2.91
4.9	1.13	105.1	105.1	1.08	2.54
4.95	1.01	92	92	1.1	2.3
5	1.23	69.3	69.3	1.77	2.27
5.05	1.16	46.8	46.8	2.49	1.84
5.1	1.06	37.1	37.1	2.85	2.24
5.15	1.07	30.1	30.1	3.55	2.66
5.2	1.01	26.6	26.7	3.77	2.49
5.25	0.97	23	23.1	4.21	1.94
5.3	0.99	20	20	4.95	2.21
5.35	0.93	18	18	5.17	2.31
5.4	0.89	13.6	13.6	6.58	2.21
5.45	0.89	13	13	6.83	2.23
5.5	0.92	15.6	15.6	5.88	2.58
5.55	0.98	17.3	17.3	5.67	2.26
5.6	1.2	18.4	18.4	6.54	2.37
5.65	1.21	47.1	47.2	2.57	2.06
5.7	1.95	128.3	128.4	1.52	2.07
5.75	1.91	174.2	174.2	1.09	2.39
5.8	1.99	190.1	190.1	1.05	2.41
5.85	1.73	210.6	210.7	0.82	2.45
5.9	1.41	197.7	197.8	0.71	2.74
5.95	1.93	179.1	179.2	1.08	2.78
6	2.04	167.1	167.1	1.22	2.62
6.05	2.19	153.6	153.7	1.42	3.29
6.1	2.88	135.4	135.4	2.13	3.23
6.15	2.7	160.5	160.6	1.68	3.87
6.2	3.05	172.3	172.3	1.77	4.7
6.25	2.49	179.9	179.9	1.38	4.87
6.3	1.74	177.6	177.6	0.98	4.67
6.35	2.33	176.6	176.6	1.32	4.66
6.4	3.02	181.9	182	1.66	4.02
6.45	2.66	207.5	207.6	1.28	5.58
6.5	2.09	212.8	212.9	0.98	5.52
6.55	2.85	247.4	247.5	1.15	6.85
6.6	3.18	265	265	1.2	5.92
6.65	3.17	244	244.1	1.3	6.95
6.7	3.16	267.6	267.7	1.18	6.65
6.75	3.17	315.9	316	1	6.56
6.8	4.18	335.8	335.9	1.24	7.86
6.85	4.29	345	345.1	1.24	7.66
6.9	4.11	353	353.1	1.16	8.94

6.95	4.08	369	369.1	1.11	8.76
7	3.86	333.3	333.4	1.16	8.69
7.05	3.91	342.1	342.3	1.14	10.17
7.1	3.89	334.3	334.4	1.16	9.81
7.15	3.67	311.3	311.5	1.18	9.57
7.2	2.96	253.6	253.8	1.17	9.03
7.25	1.67	211.6	211.7	0.79	9.49
7.3	1.92	148.1	148.2	1.29	7.67
7.35	2.66	88	88.1	3.02	6.93
7.4	2.44	47.2	47.3	5.15	6.59
7.45	0.66	24.3	24.4	2.72	8.12
7.5	0.66	20	20.2	3.29	8.59
7.55	1.4	41.7	41.8	3.35	8
7.6	1.89	46.3	46.4	4.09	8.01
7.65	2.11	48.3	48.4	4.36	7.99
7.7	1.97	31.8	31.9	6.16	8.16
7.75	1.38	25.5	25.6	5.38	7.48
7.8	1.03	20.2	20.3	5.07	7.52
7.85	0.82	20.1	20.2	4.05	7.97
7.9	0.73	20.9	21	3.5	7.51
7.95	0.73	22.2	22.3	3.26	8.38
8	0.75	21.9	22.1	3.42	8.3
8.05	0.84	22.3	22.4	3.77	8.3
8.1	1.07	23.7	23.8	4.49	8.1
8.15	1.23	29.7	29.8	4.14	8.17
8.2	1.16	34.4	34.5	3.37	8.08
8.25	1.15	23.5	23.6	4.89	8.16
8.3	0.89	22.8	22.9	3.87	8.22
8.35	0.87	23.5	23.6	3.67	8.17
8.4	0.87	24.5	24.6	3.52	8.83
8.45	0.85	25.2	25.3	3.35	8.76
8.5	0.91	24.7	24.8	3.68	8.55
8.55	0.9	25.3	25.4	3.56	8.47
8.6	0.89	26.3	26.4	3.38	9.02
8.65	0.89	26.6	26.8	3.33	9.2
8.7	0.92	28.1	28.2	3.25	9.51
8.75	0.96	30.6	30.8	3.12	9.91
8.8	1.05	31.3	31.4	3.35	9.37
8.85	1.12	29.3	29.4	3.82	9.11
8.9	1.17	28	28.1	4.15	9.41
8.95	1.02	27.1	27.2	3.75	9.56
9	1.14	28.6	28.7	3.98	9.48
9.05	1.28	32.3	32.5	3.95	9.51
9.1	1.76	39.9	40	4.39	9.78
9.15	2.09	42.6	42.7	4.88	9.88
9.2	2.15	41	41.1	5.22	10.39
9.25	2.13	37.6	37.7	5.65	10.47

9.3	1.99	36.2	36.3	5.47	10.29
9.35	1.73	34.5	34.6	5	9.97
9.4	1.49	29.5	29.6	5.03	9.67
9.45	1.38	31.1	31.2	4.41	10.35
9.5	2.14	38.3	38.4	5.57	10.47
9.55	3.13	67.3	67.5	4.64	11.04
9.6	4.28	100	100.1	4.28	11.13
9.65	5.25	94.2	94.3	5.56	11.04
9.7	4.83	77.1	77.2	6.26	10.25
9.75	4.07	58.1	58.3	6.99	11.13
9.8	2.77	43.1	43.3	6.39	11.07
9.85	1.84	32.8	33	5.59	11.28
9.9	1.49	28.1	28.3	5.28	11.38
9.95	1.27	28.8	29	4.38	11.35
10	1.31	31.2	31.4	4.17	11.79
10.05	1.5	34.4	34.6	4.33	11.96
10.1	1.91	34.3	34.4	5.55	11.64
10.15	2.06	37.2	37.4	5.51	11.55
10.2	1.91	40.2	40.3	4.73	11.4
10.25	1.83	38.1	38.3	4.78	11.73
10.3	1.75	41	41.1	4.27	11.81
10.35	1.94	40.2	40.4	4.8	11.92
10.4	2.07	38.1	38.3	5.4	11.76
10.45	2.02	37.8	38	5.32	11.62
10.5	1.99	38.5	38.6	5.14	12.3
10.55	1.99	38.2	38.4	5.19	12.07
10.6	1.9	37.2	37.3	5.1	12.13
10.65	1.71	35.5	35.7	4.78	11.98
10.7	1.55	34.4	34.6	4.48	12.28
10.75	1.57	33.9	34	4.6	12.37
10.8	1.73	34	34.2	5.07	12.42
10.85	1.84	33.7	33.9	5.44	12.1
10.9	1.76	33.7	33.9	5.21	12.07
10.95	1.63	31.8	32	5.09	12.02
11	1.66	31.1	31.3	5.29	12.34
11.05	1.58	32.7	32.8	4.82	12.07
11.1	1.65	37.5	37.7	4.38	13.58
11.15	1.64	37.7	37.9	4.34	12.26
11.2	1.64	37.5	37.7	4.34	12.51
11.25	1.65	38.2	38.4	4.3	12.51
11.3	1.74	42.1	42.2	4.13	13.34
11.35	1.74	44.7	44.9	3.88	12.67
11.4	1.77	46.3	46.5	3.8	13.86
11.45	1.81	41.9	42.1	4.3	12.86
11.5	1.89	42.5	42.7	4.43	12.82
11.55	1.84	47.4	47.6	3.86	12.95
11.6	2.01	43.9	44.1	4.57	14.23

11.65	2.87	53.7	53.9	5.33	14.22
11.7	3.48	65.2	65.4	5.31	13.36
11.75	3.2	47.6	47.8	6.71	13.04
11.8	2.39	37.5	37.7	6.35	14.49
11.85	1.56	35.4	35.6	4.37	13.69
11.9	1.33	37.9	38.1	3.49	14.91
11.95	1.76	42	42.2	4.18	15.03
12	2.09	56.9	57.1	3.66	14.5
12.05	2.32	55.1	55.3	4.2	14.74
12.1	2.65	50.8	51	5.2	15.27
12.15	3.33	67.9	68.1	4.88	15.42
12.2	4.81	96.8	97	4.96	15.23
12.25	6.27	137.7	137.9	4.55	15.1
12.3	6.87	136.1	136.3	5.04	14.54
12.35	6.64	99.2	99.4	6.68	17.17
12.4	5.35	72	72.3	7.41	19.39
12.45	4.55	116.2	116.5	3.9	22.63
12.5	5.44	158.7	158.9	3.42	17.95
12.55	6.23	146.6	146.8	4.24	15.81
12.6	5.58	95.9	96.1	5.8	16.44
12.65	4.41	56.1	56.3	7.82	15.77
12.7	2.51	42.2	42.4	5.93	16.68
12.75	1.81	37.3	37.6	4.81	17.42
12.8	1.47	32.9	33.2	4.44	17.27
12.85	1.37	31.8	32	4.29	17.54
12.9	1.25	32.8	33.1	3.78	17.58
12.95	1.28	32.2	32.5	3.93	17.29
13	1.2	31.7	32	3.75	17.18
13.05	1.23	33.6	33.8	3.63	18.42
13.1	1.22	33.4	33.7	3.62	17.49
13.15	1.39	37.5	37.8	3.69	18.29
13.2	1.72	41.8	42	4.1	18.66
13.25	1.98	51.5	51.8	3.82	18.4
13.3	1.98	44.4	44.7	4.43	18.24
13.35	1.93	36.7	37	5.22	18.57
13.4	1.75	42.3	42.6	4.11	19.5
13.45	1.69	44.7	45	3.76	18.61
13.5	1.65	39.7	40	4.13	18.55
13.55	1.95	39.6	39.9	4.89	19.45
13.6	2.09	42	42.3	4.93	18.86
13.65	2.56	54.4	54.7	4.68	19.79
13.7	2.76	53.3	53.6	5.15	19.65
13.75	3.23	52.6	52.9	6.1	19.98
13.8	4.36	125.1	125.4	3.48	20.22
13.85	5.25	144	144.3	3.64	18.44
13.9	5.71	117.9	118.2	4.83	18.73
13.95	5.25	82.9	83.1	6.31	17.25

14	3.93	50.6	50.8	7.73	16.77
14.05	2.58	36.5	36.7	7.03	17.79
14.1	1.63	27.4	27.7	5.88	18.84
14.15	1.17	27.5	27.8	4.2	19.99
14.2	1.19	26.9	27.1	4.41	19.12
14.25	1.25	31.4	31.6	3.94	19.29
14.3	1.28	31.7	32	4.02	19.76
14.35	1.32	31.2	31.5	4.2	19.99
14.4	1.23	29.4	29.7	4.15	19.76
14.45	1.29	27.8	28.1	4.59	19.64
14.5	1.33	26.4	26.7	5.01	20.18
14.55	1.34	25.2	25.5	5.26	20.53
14.6	1.33	24	24.3	5.48	19.36
14.65	1.35	26	26.3	5.14	19.79
14.7	1.34	27.9	28.2	4.74	19.61
14.75	1.36	31.7	32	4.24	21.68
14.8	1.43	33.6	33.8	4.23	20.43
14.85	1.59	36.6	36.9	4.32	20.38
14.9	1.86	40.7	41	4.54	21.27
14.95	2.13	41.2	41.4	5.15	20.43
15	2.23	43.7	44	5.08	21.18
15.05	2.32	44.9	45.1	5.13	20.97
15.1	2.4	45.5	45.8	5.24	21.48
15.15	2.47	44.4	44.7	5.52	21.22
15.2	2.44	44.9	45.2	5.4	21.73
15.25	2.45	44.6	44.9	5.47	21.28
15.3	2.43	44.4	44.7	5.43	21.84
15.35	2.42	44.4	44.7	5.41	22.27
15.4	2.45	43.2	43.5	5.63	21.73
15.45	2.43	43.8	44.1	5.5	22.2
15.5	2.34	44.4	44.7	5.22	23.55
15.55	2.26	41.3	41.6	5.43	22.99
15.6	2.3	38.1	38.4	5.99	21.94
15.65	2.21	35.5	35.8	6.16	21.72
15.7	2.07	34.4	34.7	5.98	22.21
15.75	1.93	31.7	32	6.04	22.31
15.8	1.68	28	28.3	5.92	21.6
15.85	1.45	27.2	27.5	5.28	21.69
15.9	1.43	27.7	28	5.1	22.21
15.95	1.45	27.3	27.6	5.24	22.13
16	1.39	30.2	30.5	4.56	22.06
16.05	1.38	30.5	30.8	4.48	22.55
16.1	1.4	30.1	30.4	4.6	22.32
16.15	1.47	34	34.4	4.27	22.92
16.2	1.46	32.9	33.2	4.41	22.64
16.25	1.59	34.3	34.6	4.6	23.2
16.3	1.62	34.9	35.2	4.61	23.28

16.35	1.93	38.9	39.2	4.91	23.09
16.4	2.02	44.8	45.1	4.48	22.66
16.45	2.17	48.5	48.8	4.44	23.7
16.5	2.17	47.2	47.5	4.56	23.86
16.55	2.15	43.5	43.8	4.9	23.55
16.6	2.01	40.1	40.4	4.97	23.58
16.65	1.78	37	37.3	4.78	23.71
16.7	1.76	37.1	37.5	4.69	23.97
16.75	1.72	37.1	37.4	4.61	23.97
16.8	1.76	39.6	39.9	4.41	24.49
16.85	1.92	42.1	42.4	4.52	24.35
16.9	2.02	42.3	42.7	4.74	24.1
16.95	2.12	43.5	43.8	4.83	24.2
17	1.99	41.6	41.9	4.74	24.61
17.05	2.46	40.2	40.5	6.08	24.41
17.1	2.39	35.7	36.1	6.62	24.55
17.15	1.81	33.2	33.5	5.39	24.39
17.2	1.53	33.6	34	4.51	25.34
17.25	1.59	38.1	38.5	4.15	25.53
17.3	1.81	40.7	41	4.41	25.84
17.35	2.23	39.5	39.8	5.6	26
17.4	2.4	38.2	38.6	6.22	25.54
17.45	2.32	39.3	39.7	5.85	26.15
17.5	2.17	39.1	39.5	5.5	25.95
17.55	2.18	38.4	38.7	5.64	26.38
17.6	2.09	37.8	38.1	5.47	26.38
17.65	2.09	37.7	38.1	5.49	26.51
17.7	2.09	37.9	38.2	5.47	26.65
17.75	2.18	37.7	38.1	5.73	26.41
17.8	2.16	38	38.3	5.63	26.12
17.85	2.11	39.4	39.7	5.31	26.67
17.9	2.03	39.5	39.9	5.1	26.75
17.95	1.99	39.6	40	4.98	27.18
18	2	39.8	40.2	4.99	27.04
18.05	2.09	40.7	41.1	5.08	27.02
18.1	2.2	40.7	41.1	5.35	27.08
18.15	2.25	39.7	40.1	5.6	27.43
18.2	2.28	37.8	38.1	5.99	27.19
18.25	2.19	34.5	34.8	6.28	26.62
18.3	1.93	33.4	33.8	5.73	27
18.35	1.77	32.1	32.4	5.44	26.92
18.4	1.61	33	33.4	4.82	27.47
18.45	1.5	32.8	33.2	4.51	27.38
18.5	1.52	33.2	33.6	4.53	27.72
18.55	1.6	32.3	32.7	4.9	27.58
18.6	1.73	37.1	37.5	4.61	27.67
18.65	1.75	37.8	38.2	4.58	27.27

18.7	1.67	35.5	35.9	4.65	27.89
18.75	1.72	33.2	33.6	5.13	28.08
18.8	1.71	32.2	32.6	5.25	27.86
18.85	1.67	30.2	30.6	5.46	28.13
18.9	1.56	30.4	30.8	5.07	28.36
18.95	1.43	29.4	29.8	4.78	28.57
19	1.4	30	30.4	4.6	28.53
19.05	1.45	32.6	33	4.38	28.48
19.1	1.53	35.4	35.8	4.27	28.84
19.15	1.51	32.7	33.1	4.55	28.46
19.2	1.41	30.8	31.2	4.51	28.94
19.25	1.31	31.8	32.2	4.05	29.04
19.3	1.22	32.9	33.4	3.67	29.32
19.35	1.36	33.9	34.3	3.96	29.6
19.4	1.45	39.1	39.5	3.67	30.09
19.45	1.62	42.2	42.6	3.79	30.52
19.5	1.81	45.4	45.8	3.94	30.73
19.55	2	48.8	49.2	4.07	30.81
19.6	2.06	50	50.5	4.09	31.25
19.65	2.16	51.6	52.1	4.14	31.31
19.7	2.08	51	51.5	4.04	31.47
19.75	2.48	50.4	50.8	4.87	31.94
19.8	4.28	70.9	71.3	5.99	33.15
19.85	6.51	132	132.5	4.91	33.34
19.9	6.98	126.8	127.2	5.49	30.76
19.95	5.95	85.1	85.6	6.95	33.4
20	3.71	58.7	59.1	6.28	33.24
20.05	2.44	41.1	41.5	5.88	31.35
20.1	3.13	42.1	42.6	7.34	32.29
20.15	4.2	86.3	86.8	4.84	34.28

Depth (m)	Sleeve (tsf)	Tip(unc) (tsf)	Tip(cor) (tsf)	F. Ratio (%)	U (psi)
0.05	0	39.1	39.2	0	0.18
0.1	0.71	52.6	52.6	1.34	0.45
0.15	0.87	38.2	38.2	2.28	0.4
0.2	0.89	38	38	2.35	0.34
0.25	0.88	48.9	48.9	1.79	0.75
0.3	0.77	35.9	35.9	2.14	0.77
0.35	0.55	30	30	1.83	0.86
0.4	0.46	23.4	23.4	1.97	0.54
0.45	0.43	21.9	21.9	1.97	0.5
0.5	0.58	19.7	19.8	2.95	0.49
0.55	1.03	23.8	23.8	4.31	0.64
0.6	1.72	45.1	45.1	3.82	0.74
0.65	2.33	65.5	65.6	3.55	1.26
0.7	2.7	72.7	72.7	3.71	1.46
0.75	2.27	62	62	3.67	1.38
0.8	1.85	48.2	48.2	3.83	0.99
0.85	1.44	41.4	41.5	3.48	1.25
0.9	1.31	36.7	36.7	3.56	0.89
0.95	1.62	39.8	39.8	4.07	1.14
1	2.25	54.9	54.9	4.09	1.42
1.05	2.66	69.7	69.7	3.81	1.6
1.1	2.9	66	66	4.39	1.46
1.15	2.63	55.1	55.1	4.78	1.47
1.2	2.1	48.7	48.7	4.31	1.55
1.25	1.9	49.6	49.6	3.82	1.48
1.3	1.92	58.2	58.2	3.3	1.69
1.35	1.85	54.1	54.1	3.42	1.44
1.4	1.59	43.4	43.4	3.67	1.84
1.45	1.38	36.7	36.7	3.76	1.36
1.5	1.27	32.7	32.7	3.88	1.63
1.55	0.99	32.3	32.3	3.06	1.57
1.6	1.02	27.2	27.2	3.74	1.52
1.65	1.11	27.3	27.4	4.05	1.24
1.7	1.16	29.4	29.4	3.93	2.12
1.75	1.92	29.1	29.1	6.6	1.74
1.8	3.07	46.6	46.7	6.58	1.79
1.85	4.01	71.3	71.3	5.63	1.92
1.9	5.12	72.1	72.1	7.1	2.15
1.95	5.51	69.3	69.4	7.94	2.61
2	5.15	67.6	67.7	7.61	2.92
2.05	4.64	59.4	59.4	7.81	2.62
2.1	4.11	58.3	58.4	7.03	2.56
2.15	3.69	59.4	59.5	6.21	2.69
2.2	3.5	63.3	63.3	5.53	2.84

2.25	3.23	67	67	4.82	2.43
2.3	2.95	68.5	68.5	4.3	2.48
2.35	2.73	67.9	67.9	4.02	2.57
2.4	2.56	63.2	63.2	4.05	2.14
2.45	2.56	57.3	57.4	4.46	2.46
2.5	2.71	52.5	52.5	5.15	2.43
2.55	2.46	49.8	49.8	4.94	2.66
2.6	2.31	52.8	52.8	4.38	2.39
2.65	2.03	55.2	55.3	3.68	2.34
2.7	2.07	52.9	53	3.9	2.46
2.75	2.4	50.5	50.6	4.74	2.54
2.8	2.36	46.8	46.9	5.04	2.71
2.85	2.29	43.8	43.8	5.22	2.4
2.9	2.35	41.2	41.3	5.69	2.57
2.95	2.42	41.2	41.3	5.87	2.72
3	2.65	40.7	40.7	6.52	2.53
3.05	2.6	40	40	6.5	2.69
3.1	2.56	39.2	39.2	6.53	2.58
3.15	2.53	37.2	37.2	6.81	2.54
3.2	2.8	35.6	35.6	7.85	2.65
3.25	2.79	35.8	35.9	7.78	2.58
3.3	2.71	33.9	33.9	8	2.23
3.35	2.43	35.6	35.7	6.82	2.65
3.4	2.15	34.2	34.2	6.27	2.61
3.45	1.8	31.7	31.8	5.68	2.31
3.5	1.61	27.7	27.8	5.8	2.55
3.55	1.7	27.6	27.6	6.15	2.41
3.6	1.46	59.7	59.7	2.45	2.59
3.65	1.04	49.2	49.2	2.11	2.28
3.7	0.78	40.3	40.3	1.92	2.41
3.75	0.93	30.9	30.9	2.99	2.28
3.8	1.08	25	25.1	4.3	2.33
3.85	1.25	23.4	23.4	5.34	2.39
3.9	1.3	20.7	20.7	6.27	2.43
3.95	1.28	21.7	21.7	5.92	2.46
4	1.14	22.6	22.6	5.04	2.4
4.05	1.11	25.7	25.8	4.31	2.43
4.1	1.09	25.3	25.3	4.31	2.37
4.15	1.07	23.8	23.8	4.5	2.29
4.2	1.08	23.1	23.1	4.67	1.98
4.25	1.04	21.1	21.1	4.95	2.07
4.3	1.01	16.6	16.6	6.07	2.09
4.35	1.06	14.7	14.7	7.19	2.43
4.4	1	15.6	15.6	6.4	2.44
4.45	0.76	23.6	23.6	3.2	2.3
4.5	0.73	36.3	36.3	2	2.61
4.55	0.6	45.2	45.2	1.32	2.38

4.6	0.61	59	59	1.03	2.18
4.65	0.6	69.7	69.8	0.86	2.22
4.7	0.51	65.4	65.4	0.78	2.16
4.75	0.56	56.8	56.8	0.99	1.87
4.8	0.61	54.6	54.6	1.12	2.1
4.85	0.71	55.6	55.7	1.28	2.13
4.9	0.76	59.9	60	1.27	2.43
4.95	0.72	64.3	64.3	1.12	2.13
5	0.61	62.2	62.3	0.99	2.27
5.05	0.68	63.2	63.2	1.08	2.2
5.1	0.83	64.9	64.9	1.28	2.03
5.15	1.18	58	58.1	2.04	2.04
5.2	1.4	62.3	62.4	2.24	2.18
5.25	1.64	108.9	109	1.5	2.69
5.3	1.86	128.5	128.5	1.45	2.44
5.35	1.8	112.7	112.8	1.6	2.74
5.4	1.76	106.6	106.7	1.65	2.86
5.45	1.24	112.9	113	1.09	3.04
5.5	1.38	125	125.1	1.11	2.82
5.55	1.8	124.7	124.7	1.44	2.67
5.6	1.13	117.6	117.6	0.96	2.79
5.65	1.33	119.6	119.6	1.11	2.71
5.7	1.41	129.8	129.8	1.09	2.54
5.75	1.52	179.2	179.2	0.85	3.03
5.8	1.94	217.5	217.6	0.89	2.94
5.85	2.63	245.7	245.8	1.07	3.35
5.9	3.39	284.5	284.5	1.19	3.55
5.95	3.24	290.4	290.4	1.12	3.86
6	3.58	356.1	356.2	1	3.82
6.05	3.94	348.9	349	1.13	5.92
6.1	3.68	329.1	329.1	1.12	5.04
6.15	3.51	297.5	297.6	1.18	5.78
6.2	3.12	280	280	1.12	5.36
6.25	3.02	280.1	280.2	1.08	5.59
6.3	3.15	277.6	277.7	1.13	5.64
6.35	3.04	275.6	275.7	1.1	5.84
6.4	2.59	274.9	275	0.94	6.37
6.45	2.82	269.4	269.5	1.05	6.27
6.5	2.72	286	286.1	0.95	5.59
6.55	2.92	273.4	273.5	1.07	7.08
6.6	3.25	301.7	301.8	1.08	7.86
6.65	3.06	317.2	317.3	0.96	7.49
6.7	3.04	327.3	327.5	0.93	9.06
6.75	3.9	339.1	339.2	1.15	7.17
6.8	4.52	357.1	357.2	1.27	7.02
6.85	4.61	341.4	341.6	1.35	8.81
6.9	4.32	343.4	343.5	1.26	8.88

6.95	4.19	338.7	338.8	1.24	8.45
7	3.6	334.5	334.6	1.07	8.2
7.05	3.6	336.2	336.3	1.07	8.81
7.1	3.32	330.6	330.7	1	8.45
7.15	3.21	295.6	295.7	1.09	8.32
7.2	3.45	262.2	262.4	1.31	8.91
7.25	2.37	245.6	245.7	0.96	8.51
7.3	3.13	247.3	247.5	1.27	8.54
7.35	4.68	258.5	258.7	1.81	8.6
7.4	4.45	245	245.2	1.82	10.03
7.45	3.79	211	211.1	1.8	10.41
7.5	2.98	176.6	176.8	1.69	10.34
7.55	2.35	175.7	175.9	1.34	10.07
7.6	2.51	160.4	160.6	1.56	10
7.65	2.11	137.8	137.9	1.53	9.67
7.7	2.33	101	101.2	2.3	9.28
7.75	2.03	58.5	58.6	3.46	9.09
7.8	1.59	32.6	32.7	4.85	9.35
7.85	1.1	25.4	25.6	4.31	8.99
7.9	0.87	26.7	26.8	3.24	9.18
7.95	0.87	30.5	30.7	2.83	8.89
8	1.21	36.7	36.8	3.3	9.13
8.05	1.92	51.8	51.9	3.7	9.33
8.1	2.76	76.4	76.5	3.61	9.18
8.15	3.06	65.6	65.7	4.65	10.27
8.2	2.6	44.2	44.4	5.86	10.09
8.25	1.62	32.2	32.3	5.03	9.88
8.3	1.09	27.1	27.2	4.01	10.28
8.35	1.08	28.1	28.3	3.81	9.86
8.4	1.06	27.4	27.5	3.85	10.12
8.45	1.09	29.4	29.5	3.68	9.43
8.5	1.07	27.8	27.9	3.82	9.71
8.55	0.97	26.8	27	3.59	9.83
8.6	0.87	26.8	26.9	3.25	10.24
8.65	0.79	24.6	24.8	3.18	9.91
8.7	0.74	25.4	25.6	2.91	10.11
8.75	0.76	25.8	25.9	2.93	10.17
8.8	0.78	26.9	27	2.88	10.26
8.85	0.82	27.7	27.8	2.93	10.29
8.9	0.8	28.1	28.2	2.84	10.04
8.95	0.83	28.6	28.8	2.88	10.58
9	0.82	29.3	29.4	2.79	10.44
9.05	0.85	31.4	31.5	2.69	10.71
9.1	0.84	31.7	31.8	2.64	10.43
9.15	0.88	32.1	32.3	2.72	10.97
9.2	0.91	31.7	31.8	2.86	10.49
9.25	0.92	32.7	32.8	2.81	10.8

9.3	0.95	33.8	34	2.8	11.07
9.35	0.89	33.9	34.1	2.61	10.66
9.4	0.89	33.4	33.6	2.64	11.46
9.45	0.87	32.1	32.3	2.7	11.13
9.5	0.98	33	33.2	2.95	11.37
9.55	1.68	39.6	39.7	4.22	11.68
9.6	1.52	49.2	49.4	3.08	11.57
9.65	1.66	42	42.1	3.93	11.47
9.7	2.02	40.7	40.8	4.94	11.67
9.75	3.12	62.5	62.6	4.99	11.48
9.8	4.03	77.3	77.5	5.2	11.42
9.85	5.39	100.9	101.1	5.33	12.32
9.9	5.83	120.1	120.3	4.85	11.79
9.95	5.77	93.5	93.7	6.16	12.06
10	5.14	78.8	79	6.5	12.53
10.05	4.69	89.3	89.5	5.25	12.86
10.1	5.22	130.6	130.7	3.99	12.31
10.15	5.99	160	160.2	3.74	12.17
10.2	5.27	170.2	170.4	3.09	12.54
10.25	5.19	233.6	233.8	2.22	12.61
10.3	5.03	265.7	265.8	1.89	11.85
10.35	4.85	292.8	293	1.66	11.96
10.4	5.43	305.5	305.7	1.78	12.2
10.45	5.93	317.5	317.7	1.87	12.15
10.5	6.72	312.1	312.2	2.15	11.95
10.55	7.68	310.8	311	2.47	12.84
10.6	7.93	335.3	335.5	2.36	13.35
10.65	7.67	362.9	363.1	2.11	13.31
10.7	7.3	385.4	385.6	1.89	13.27
10.75	6.93	410.6	410.8	1.69	13.33
10.8	6.51	424.8	425	1.53	13.41
10.85	6.29	423.5	423.7	1.48	14.06
10.9	5.57	425.4	425.5	1.31	13.67
10.95	5.82	428.3	428.5	1.36	14.73
11	6.59	427.4	427.6	1.54	13.93
11.05	7.21	409.3	409.5	1.76	15.25
11.1	4.79	400.6	400.9	1.19	15.26
11.15	4.91	380.9	381.1	1.29	14.99
11.2	4.65	380	380.2	1.22	14.06
11.25	4.88	366.1	366.3	1.33	14.25
11.3	5.37	359.2	359.4	1.49	14.18
11.35	6.63	346.2	346.4	1.91	14.59
11.4	9.61	303.8	304	3.16	14.51
11.45	10.32	295.1	295.4	3.49	15.78
11.5	9.32	334.4	334.7	2.79	17.9
11.55	8.47	269.9	270.1	3.14	15.35
11.6	7.1	209.9	210.1	3.38	15.23

11.65	6.37	152.1	152.3	4.18	15.24
11.7	6.3	113.8	114.1	5.52	16.5
11.75	5.35	109.4	109.6	4.88	16.31
11.8	4.49	80.7	80.9	5.55	15.29
11.85	4.06	78.2	78.5	5.17	16.22
11.9	4.53	96.4	96.6	4.69	17.07
11.95	5.65	117.6	117.9	4.8	16.71
12	7.08	107.6	107.8	6.57	17.17
12.05	7.62	112.1	112.3	6.78	17.33
12.1	8.13	120.5	120.8	6.73	16.56
12.15	8.1	124.2	124.4	6.51	16.38
12.2	7.74	123.8	124	6.24	16.49
12.25	6.39	105.8	106	6.02	16.44
12.3	5.01	81.6	81.8	6.13	16.67
12.35	4.21	78.2	78.5	5.37	16.97
12.4	3.61	62.9	63.2	5.71	16.45
12.45	2.97	50.8	51	5.82	16.52
12.5	2.38	44.6	44.8	5.31	16.75
12.55	2	37.9	38.1	5.24	16.39
12.6	1.85	35.1	35.4	5.22	16.25
12.65	1.66	30.5	30.8	5.41	16.29
12.7	1.57	30	30.3	5.18	16.15
12.75	1.59	32.5	32.7	4.86	16.48
12.8	1.87	39.8	40	4.68	16.19
12.85	2.71	53.1	53.4	5.08	16.56
12.9	3.92	74.5	74.8	5.24	16.78
12.95	4.34	81.6	81.8	5.31	16.64
13	4.64	76.5	76.7	6.05	16.33
13.05	5.04	85.8	86	5.86	16.32
13.1	5.7	97.3	97.5	5.85	15.88
13.15	5.2	83.5	83.7	6.22	15.77
13.2	4.4	68	68.3	6.45	15.87
13.25	3.57	66.6	66.8	5.34	15.94
13.3	2.82	46.3	46.5	6.06	15.62
13.35	2.3	33	33.2	6.93	16.01
13.4	1.59	30.8	31.1	5.13	16.17
13.45	1.43	32.9	33.1	4.33	16.44
13.5	1.4	31.6	31.9	4.39	16.37
13.55	1.39	29.6	29.9	4.67	16.32
13.6	1.34	29.2	29.4	4.56	16.25
13.65	1.33	29.8	30	4.44	16.24
13.7	1.36	30.1	30.3	4.49	16.32
13.75	1.59	30.9	31.2	5.08	16.26
13.8	2.13	40.7	40.9	5.19	16.46
13.85	3.34	75.1	75.3	4.43	16.77
13.9	3.67	75.5	75.7	4.85	16.37
13.95	2.81	55.2	55.5	5.06	16.13

14	2.36	41.8	42.1	5.62	16.36
14.05	2.26	43.8	44	5.13	16.64
14.1	2.99	59.5	59.7	5.01	16.93
14.15	3.48	78	78.2	4.45	16.66
14.2	3.65	70.2	70.5	5.19	16.26
14.25	4.2	86.3	86.6	4.85	16.5
14.3	3.77	87.6	87.8	4.29	15.73
14.35	3.55	64.5	64.7	5.48	15.68
14.4	3.58	50.5	50.8	7.06	16.52
14.45	3.5	57.6	57.8	6.05	16.78
14.5	3.76	63	63.3	5.94	16.9
14.55	3.73	70.2	70.4	5.3	16.9
14.6	3	51.2	51.4	5.84	16.21
14.65	2.64	43.6	43.9	6.02	16.66
14.7	2.42	47.1	47.3	5.12	17.06
14.75	2.17	38.5	38.8	5.59	16.65
14.8	1.86	31.8	32	5.83	16.53
14.85	1.58	30.1	30.3	5.2	16.89
14.9	1.37	25.8	26.1	5.24	16.56
14.95	1.24	26.2	26.4	4.69	16.79
15	1.15	24.6	24.8	4.61	16.78
15.05	1.1	26	26.2	4.19	17
15.1	1.15	29	29.3	3.92	16.78
15.15	1.26	32.5	32.7	3.85	17.36
15.2	1.29	25.9	26.2	4.94	16.71
15.25	1.15	22.5	22.8	5.06	16.43
15.3	0.96	19.9	20.1	4.77	16.59
15.35	0.88	18.1	18.4	4.81	16.44
15.4	0.87	18.8	19	4.57	16.7
15.45	0.96	20.4	20.6	4.64	16.86
15.5	1.06	21.2	21.5	4.92	16.55
15.55	1.15	23.6	23.8	4.82	16.84
15.6	1.26	27.3	27.5	4.59	16.53
15.65	1.33	32.5	32.7	4.07	16.95
15.7	1.46	33.7	33.9	4.31	17.09
15.75	1.61	34.7	35	4.6	17.01
15.8	1.84	36.9	37.1	4.96	17.26
15.85	2	36.7	36.9	5.43	17.08
15.9	2.05	37.1	37.3	5.5	17
15.95	2.04	37.4	37.6	5.42	16.85
16	2	39.2	39.5	5.06	17.52
16.05	2.01	38.6	38.8	5.17	17.1
16.1	2.03	37.9	38.1	5.31	17.3
16.15	1.91	38.7	38.9	4.9	17.63
16.2	1.94	37.7	38	5.11	17.5
16.25	1.9	37.8	38	5	17.56
16.3	1.95	38.7	39	4.99	17.59

16.35	1.89	37.3	37.5	5.02	17.5
16.4	1.91	37.2	37.4	5.1	17.71
16.45	1.89	36.3	36.6	5.16	17.56
16.5	2.06	36	36.2	5.69	17.44
16.55	2	34	34.3	5.83	17.21
16.6	1.82	33.3	33.5	5.44	17.31
16.65	1.61	32	32.2	5.01	17.42
16.7	1.52	29.9	30.1	5.06	17.09
16.75	1.58	30.7	30.9	5.1	17.21
16.8	1.78	36.1	36.3	4.91	17.17
16.85	2.6	43.5	43.7	5.95	17.21
16.9	2.47	47.3	47.5	5.19	16.72
16.95	2.14	32.8	33	6.48	16.98
17	1.56	27.9	28.1	5.54	17.27
17.05	1.28	28.5	28.8	4.44	17.29
17.1	1.23	30.3	30.5	4.04	17.49
17.15	1.29	30.3	30.5	4.22	17.28
17.2	1.32	31.1	31.3	4.23	17.2
17.25	1.37	31.5	31.8	4.31	17.28
17.3	1.42	32.7	32.9	4.31	17.28
17.35	1.57	35	35.2	4.47	17.29
17.4	1.65	34.1	34.3	4.79	17.47
17.45	1.75	36.9	37.1	4.73	17.56
17.5	1.79	41.8	42.1	4.26	18.12
17.55	2.06	41.3	41.6	4.96	17.5
17.6	2.17	38.9	39.1	5.54	17.41
17.65	2.27	43.8	44	5.16	17.7
17.7	2.14	44.6	44.9	4.76	17.65
17.75	2.25	45.7	45.9	4.9	17.96
17.8	2.58	48.2	48.4	5.32	17.52
17.85	2.91	52.4	52.6	5.53	18.25
17.9	3.57	73.4	73.7	4.84	18.47
17.95	3.43	74.1	74.4	4.61	18.02
18	2.7	43.8	44.1	6.13	17.41
18.05	2.1	34.7	35	5.99	17.37
18.1	1.55	35.8	36	4.31	18.25
18.15	1.7	35.1	35.3	4.81	17.91
18.2	1.98	35.4	35.7	5.55	17.82
18.25	2.26	36.6	36.9	6.13	18.4
18.3	2.36	37.6	37.8	6.23	19.19
18.35	2.34	37	37.3	6.27	18.33
18.4	2.34	36.7	37	6.34	18.16
18.45	2.34	37.3	37.6	6.24	18.8
18.5	2.34	36.7	37	6.32	18.43
18.55	2.35	37.6	37.8	6.22	19.09
18.6	2.36	36.3	36.6	6.45	18.4
18.65	2.29	36.7	36.9	6.19	18.47

18.7	2.28	39.2	39.4	5.77	18.85
18.75	2.33	41.8	42.1	5.54	18.35
18.8	2.43	43.1	43.4	5.61	18.72
18.85	2.68	46	46.2	5.8	18.97
18.9	2.72	44.9	45.2	6.03	18.96
18.95	2.6	46.9	47.2	5.5	18.61
19	2.37	43.6	43.9	5.41	18.91
19.05	2.07	40.6	40.9	5.07	19.19
19.1	2	40.9	41.2	4.85	20.15
19.15	1.92	41.7	42	4.59	19.98
19.2	2.04	40.8	41.1	4.96	19.91
19.25	2.1	40.3	40.6	5.18	18.97
19.3	2.18	42.9	43.1	5.05	19.06
19.35	2.03	44.7	44.9	4.51	18.77
19.4	1.95	38.7	39	5.01	18.72
19.45	1.99	34.6	34.8	5.71	18.59
19.5	1.93	33.3	33.6	5.75	18.76
19.55	1.96	32.5	32.8	5.99	19.35
19.6	1.82	31.5	31.7	5.72	18.8
19.65	1.71	33.1	33.3	5.13	19.37
19.7	1.77	33.7	34	5.21	18.61
19.75	1.81	36.9	37.1	4.86	18.64
19.8	1.89	37.6	37.8	4.99	19.08
19.85	1.91	33.7	34	5.62	19.14
19.9	1.76	29	29.3	6.02	18.72
19.95	1.61	27.8	28.1	5.73	19.41
20	1.53	24.8	25.1	6.11	19.26
20.05	1.47	23.8	24.1	6.09	18.91
20.1	1.43	25.8	26.1	5.47	19.77
20.15	1.46	27	27.3	5.37	19.58
20.2	1.49	30.7	31	4.8	19.48
20.25	1.78	41.2	41.4	4.3	19.91
20.3	1.99	46.6	46.9	4.24	19.88
20.35	2.35	48.3	48.6	4.83	19.67
20.4	2.21	44.3	44.6	4.95	20.24
20.45	1.94	34.8	35.1	5.53	19.48
20.5	1.68	30.3	30.5	5.51	19.61
20.55	1.52	30.5	30.8	4.93	19.67
20.6	1.52	27	27.2	5.57	20
20.65	1.52	23.8	24.1	6.29	19.47
20.7	1.45	23.3	23.5	6.15	19.79
20.75	1.4	21.6	21.9	6.39	19.02
20.8	1.25	22.9	23.2	5.4	19.57
20.85	1.57	23.9	24.2	6.51	19.71
20.9	1.85	24.2	24.4	7.58	19.82
20.95	2.29	46.2	46.4	4.92	19.98
21	2.89	50.3	50.6	5.71	18.71

21.05	3.05	43.4	43.7	6.98	19.13
21.1	3.16	63.4	63.7	4.97	19.43
21.15	3.14	78	78.3	4.01	18.6
21.2	3.36	78.1	78.4	4.28	18.1
21.25	3.17	74.5	74.7	4.24	18.33
21.3	3.35	54.3	54.5	6.14	18.06
21.35	2.97	82.9	83.2	3.58	17.79
21.4	3.03	114.1	114.4	2.65	17.32
21.45	3.36	119.9	120.2	2.8	17.45
21.5	3.78	112.4	112.6	3.36	16.88
21.55	3.26	110.7	111	2.94	17.1
21.6	2.6	80	80.2	3.25	16.88
21.65	2.66	86.9	87.1	3.06	16.16
21.7	2.44	144.5	144.7	1.69	14.95
21.75	2.93	98.5	98.8	2.97	15.03
21.8	2.5	88	88.2	2.84	15.59
21.85	1.73	64.3	64.5	2.68	15.65
21.9	2	72.9	73.1	2.74	14.92
21.95	1.86	67.4	67.6	2.75	14.12
22	2.23	51.5	51.7	4.31	13.79
22.05	2.46	53.1	53.3	4.62	13.8
22.1	2.14	34.7	34.9	6.14	14.02
22.15	1.85	26.7	26.9	6.85	14.21
22.2	1.5	22.8	22.9	6.52	13.89
22.25	1.14	17.2	17.4	6.51	14.22
22.3	0.81	11.9	12.1	6.67	14.46
22.35	0.62	9.5	9.7	6.43	14.42
22.4	0.48	7.7	7.9	6.02	14.54
22.45	0.43	8	8.2	5.22	14.73
22.5	0.42	8	8.2	5.08	14.92
22.55	0.41	8.1	8.3	4.92	15.21
22.6	0.42	7.8	8	5.29	15.3
22.65	0.41	8.5	8.8	4.64	15.59
22.7	0.4	8.7	8.9	4.49	15.67
22.75	0.38	8.4	8.7	4.37	15.84
22.8	0	8.1	8.3	0	15.97
22.85	0	7.8	8	0	16.05

Depth (m)	Sleeve (tsf)	Tip(unc) (tsf)	Tip(cor) (tsf)	F. Ratio (%)	U (psi)
0.05	0	15.7	15.7	0	0.04
0.1	1.54	21.5	21.5	7.18	0.01
0.15	2	28.8	28.8	6.95	0.52
0.2	1.53	49.2	49.3	3.11	1.4
0.25	1.34	65.1	65.1	2.06	1.64
0.3	2.64	110.3	110.3	2.39	1.55
0.35	2.41	48.9	48.9	4.93	0.77
0.4	1.27	34.6	34.6	3.67	0.87
0.45	1.62	40.5	40.6	4.01	1.05
0.5	1.45	34.2	34.3	4.22	1.12
0.55	1.22	19.3	19.3	6.32	0.87
0.6	0.86	13.4	13.4	6.4	1.09
0.65	0.63	10.5	10.5	5.98	1.32
0.7	0.42	6.3	6.4	6.58	0.98
0.75	0.32	4.8	4.8	6.59	0.85
0.8	0.37	4.4	4.4	8.24	0.31
0.85	0.47	7.2	7.2	6.5	0.4
0.9	0.55	12.6	12.6	4.38	0.7
0.95	0.53	12.6	12.6	4.23	0.58
1	0.52	11.1	11.1	4.72	0.46
1.05	0.51	7.4	7.4	6.94	0.5
1.1	0.56	8.6	8.6	6.49	0.3
1.15	0.52	9.8	9.8	5.32	0.57
1.2	0.55	9.2	9.2	6.02	0.32
1.25	0.78	10.6	10.6	7.35	0.23
1.3	1.08	14.7	14.7	7.36	0.07
1.35	1.49	18.5	18.5	8.07	0.36
1.4	1.63	20.4	20.5	7.95	0.52
1.45	1.7	21	21	8.09	0.77
1.5	1.6	19.8	19.8	8.09	0.28
1.55	1.56	20.6	20.6	7.59	0.35
1.6	1.55	20.7	20.7	7.49	0.46
1.65	1.9	26.4	26.4	7.2	0.65
1.7	2.11	38.2	38.3	5.52	0.7
1.75	2.17	26.6	26.6	8.15	0.35
1.8	2.08	24.4	24.4	8.51	0.57
1.85	1.86	23.1	23.1	8.05	0.32
1.9	1.8	24.1	24.1	7.46	1.32
1.95	1.77	24.1	24.1	7.35	0.95
2	1.73	24.4	24.4	7.1	0.99
2.05	1.71	23.4	23.4	7.32	0.87
2.1	1.72	22.5	22.5	7.63	0.75
2.15	1.7	22.3	22.3	7.61	1.11
2.2	1.69	21.7	21.7	7.79	1.08

2.25	1.7	21.6	21.6	7.84	0.62
2.3	1.69	22.2	22.2	7.58	1.26
2.35	1.64	21.4	21.4	7.64	1.03
2.4	1.56	20.4	20.4	7.64	1.13
2.45	1.56	19.7	19.7	7.92	0.56
2.5	1.57	19.9	19.9	7.88	0.25
2.55	1.54	21.1	21.1	7.29	1.08
2.6	1.6	21.1	21.1	7.57	1.44
2.65	1.62	20.5	20.5	7.9	0.57
2.7	1.67	22.9	22.9	7.27	2.26
2.75	1.68	22.8	22.8	7.38	1.82
2.8	1.68	24.1	24.2	6.97	1.75
2.85	1.7	25.5	25.6	6.65	1.39
2.9	1.77	24.2	24.2	7.3	0.54
2.95	1.81	22.8	22.8	7.9	0.74
3	1.75	21.9	21.9	7.99	0.77
3.05	1.57	23.3	23.3	6.75	1.22
3.1	1.52	22.4	22.4	6.77	1.41
3.15	1.5	19.1	19.1	7.82	0.6
3.2	1.44	18.8	18.8	7.66	0.63
3.25	1.37	18.6	18.6	7.35	0.9
3.3	1.24	16.9	17	7.33	0.72
3.35	1.17	18.7	18.7	6.24	0.94
3.4	1.07	30.1	30.1	3.55	0.98
3.45	0.83	41.6	41.6	1.99	1.1
3.5	0.77	59.4	59.4	1.29	0.63
3.55	0.75	82.7	82.7	0.91	0.7
3.6	0.83	91.2	91.2	0.91	0.68
3.65	0.93	91.5	91.5	1.01	0.7
3.7	0.94	101.3	101.3	0.93	0.41
3.75	1.06	114.7	114.7	0.92	0.81
3.8	1.19	130.7	130.7	0.91	0.75
3.85	0.96	145.7	145.7	0.66	1.26
3.9	0.94	128.1	128.1	0.73	0.91
3.95	0.75	88.3	88.3	0.85	0.97
4	0.7	64	64	1.09	1.29
4.05	0.93	43.4	43.4	2.15	1.04
4.1	0.91	30.4	30.4	3	0.63
4.15	0.94	20.3	20.3	4.63	0.7
4.2	0.88	18.4	18.4	4.79	0.87
4.25	0.66	19.8	19.8	3.31	0.76
4.3	0.65	17.4	17.4	3.75	1.02
4.35	0.67	28.6	28.7	2.35	1.22
4.4	0.73	51.9	51.9	1.41	0.96
4.45	0.76	59.9	59.9	1.27	1.07
4.5	0.57	65.1	65.1	0.87	1.19
4.55	0.52	66.7	66.7	0.78	1.27

4.6	0.49	68.6	68.6	0.72	1.01
4.65	0.7	66.7	66.7	1.06	1.3
4.7	0.8	62.5	62.5	1.27	0.99
4.75	1.15	60.6	60.6	1.9	0.94
4.8	2.12	83.2	83.2	2.55	0.86
4.85	2.49	173.9	173.9	1.43	1.13
4.9	3.71	265.6	265.6	1.4	1.63
4.95	3.7	358.2	358.3	1.03	1.84
5	3.23	331.5	331.6	0.97	1.92
5.05	2.95	324.6	324.6	0.91	2.33
5.1	3.32	300.5	300.5	1.11	2.32
5.15	2.75	228.9	228.9	1.2	2.05
5.2	2.03	179.8	179.8	1.13	2
5.25	1.92	120.2	120.2	1.6	1.75
5.3	1.76	75	75.1	2.35	1.57
5.35	1.24	49.6	49.6	2.51	1.38
5.4	1.13	36.1	36.2	3.13	1.48
5.45	1.13	29.1	29.1	3.89	1.91
5.5	0.87	25.3	25.3	3.44	1.58
5.55	0.79	21.1	21.1	3.76	1.58
5.6	0.86	21.5	21.6	4	1.59
5.65	0.86	28.6	28.6	3	1.68
5.7	0.83	43.4	43.4	1.91	1.81
5.75	0.97	44.6	44.7	2.17	1.74
5.8	1.37	49.4	49.4	2.77	1.66
5.85	1.6	54.3	54.3	2.95	1.81
5.9	1.75	72.1	72.2	2.42	1.84
5.95	1.45	100.4	100.4	1.45	1.7
6	1.43	124.8	124.8	1.14	2.07
6.05	1.33	168.7	168.7	0.79	2.02
6.1	1.5	204.9	204.9	0.73	2.05
6.15	2.2	212.3	212.3	1.04	1.85
6.2	2.43	229.4	229.5	1.06	2.4
6.25	2.82	268.7	268.7	1.05	2.47
6.3	2.92	311.3	311.3	0.94	2.58
6.35	2.52	294.8	294.8	0.85	2.64
6.4	2.05	208.1	208.1	0.99	2.81
6.45	1.52	149.8	149.8	1.02	2.27
6.5	1.23	105.1	105.2	1.17	2.23
6.55	1.35	84.7	84.7	1.59	2.15
6.6	1.31	80.9	80.9	1.62	2.02
6.65	1.43	92.7	92.7	1.54	2.52
6.7	1.6	134.9	135	1.18	2.73
6.75	1.54	160.7	160.7	0.96	2.56
6.8	1.31	166.7	166.7	0.79	2.31
6.85	1.32	178.5	178.5	0.74	2.46
6.9	1.38	151.5	151.6	0.91	2.5

6.95	1.12	130.9	130.9	0.86	2.7
7	0.97	110.6	110.7	0.88	2.87
7.05	1.15	89	89.1	1.3	2.33
7.1	1.45	70.2	70.3	2.06	2.34
7.15	1.64	46.6	46.6	3.53	2.04
7.2	1.65	41.8	41.8	3.95	2.72
7.25	1.48	51.7	51.7	2.86	2.65
7.3	1.31	53.7	53.8	2.43	2.1
7.35	1.08	62.8	62.9	1.73	2.74
7.4	1.14	71.5	71.5	1.59	2.27
7.45	1.24	92.9	92.9	1.33	2.2
7.5	1.14	128.3	128.3	0.89	2.56
7.55	1.76	143.4	143.4	1.23	2.17
7.6	2.47	145.9	145.9	1.7	2.8
7.65	2.42	144.2	144.2	1.68	2.12
7.7	2.42	135.5	135.6	1.79	2.86
7.75	2.15	140.4	140.4	1.53	2.05
7.8	2.02	142.5	142.5	1.42	2.19
7.85	2.02	142.1	142.1	1.42	2.31
7.9	1.79	151.8	151.8	1.18	2.65
7.95	1.64	154.6	154.6	1.06	2.26
8	1.87	154.9	154.9	1.21	2.14
8.05	2.93	122.5	122.6	2.39	2.09
8.1	2.84	75.9	76	3.73	2.59
8.15	2.78	44.7	44.7	6.21	2.73
8.2	2.37	40.5	40.6	5.85	3.64
8.25	1.58	33.5	33.5	4.71	3.95
8.3	1.38	27.2	27.3	5.07	3.12
8.35	1.31	27.4	27.5	4.77	3.39
8.4	1.76	39.4	39.5	4.45	3.97
8.45	2.18	66.9	67	3.26	3
8.5	2.58	60.2	60.2	4.27	2.93
8.55	2.37	45	45.1	5.26	3.24
8.6	1.87	29.3	29.3	6.38	3.42
8.65	1.27	25.2	25.2	5.04	3.13
8.7	0.93	23.4	23.4	3.95	3.21
8.75	0.92	22.3	22.4	4.11	3.24
8.8	1.01	24.7	24.7	4.07	3.18
8.85	0.99	25.7	25.7	3.83	2.94
8.9	0.91	22.1	22.1	4.12	3.32
8.95	0.83	21.6	21.6	3.85	3.28
9	0.77	22.6	22.6	3.42	2.94
9.05	0.88	23.2	23.3	3.76	2.94
9.1	1.08	25.1	25.1	4.3	3.01
9.15	1.21	29.6	29.6	4.09	4.15
9.2	1.29	28.1	28.1	4.58	3.25
9.25	1.16	28.3	28.3	4.09	3.46

9.3	1.1	25.9	25.9	4.24	3.17
9.35	1.01	25.8	25.8	3.9	3.09
9.4	0.98	25.2	25.2	3.91	2.99
9.45	0.96	24.4	24.4	3.92	2.86
9.5	0.88	25.1	25.1	3.51	3.16
9.55	0.89	25.8	25.9	3.45	3.07
9.6	0.9	27	27	3.34	2.92
9.65	0.97	28.7	28.7	3.37	3.47
9.7	0.95	28.5	28.6	3.33	3.14
9.75	0.95	29	29	3.27	3.04
9.8	1.02	30.9	30.9	3.3	3.16
9.85	1.18	32.9	33	3.59	2.99
9.9	1.33	36.7	36.7	3.62	2.89
9.95	1.44	38.8	38.8	3.71	3.05
10	1.55	41.2	41.2	3.76	3.08
10.05	1.69	43.2	43.2	3.91	3.16
10.1	1.8	42.6	42.6	4.23	3.19
10.15	1.72	41.2	41.3	4.16	3.46
10.2	1.73	42.1	42.2	4.09	3.39
10.25	1.68	42.8	42.9	3.92	3.24
10.3	1.7	44.2	44.2	3.85	3.3
10.35	1.66	43	43.1	3.85	3.42
10.4	1.59	42.9	42.9	3.71	4.28
10.45	2.25	43.7	43.8	5.14	3.78
10.5	2.97	71.8	71.8	4.13	3.28
10.55	2.99	66.8	66.9	4.47	3.53
10.6	2.67	46.8	46.9	5.71	2.63
10.65	2.28	37.5	37.6	6.08	3.72
10.7	1.98	45.3	45.4	4.36	3.44
10.75	2.2	45.7	45.8	4.8	3.43
10.8	2.46	42.7	42.8	5.75	3.5
10.85	2.67	53.4	53.4	4.99	3.63
10.9	2.76	57.8	57.8	4.78	2.93
10.95	2.52	48.4	48.4	5.22	3.46
11	2.04	36.9	36.9	5.52	2.95
11.05	1.67	32.6	32.6	5.12	3.77
11.1	1.53	34.2	34.3	4.47	4.2
11.15	1.4	34.9	34.9	4.02	3.68
11.2	1.53	37	37.1	4.12	3.57
11.25	1.52	38.7	38.7	3.92	4.07
11.3	1.53	37	37	4.14	4.24
11.35	1.55	35.4	35.4	4.37	3.78
11.4	1.47	34.7	34.7	4.22	3.9
11.45	1.44	30.7	30.7	4.68	3.91
11.5	1.28	29.4	29.4	4.35	3.86
11.55	1.47	30.3	30.4	4.85	3.7
11.6	1.84	35.8	35.8	5.13	3.69

11.65	3.06	75.2	75.2	4.06	3.87
11.7	4.26	92.4	92.4	4.6	3.86
11.75	4.23	159.9	160	2.65	4.41
11.8	5.49	219.7	219.8	2.5	4.04
11.85	5.87	176.7	176.7	3.32	3.32
11.9	6.16	146.1	146.2	4.22	3.75
11.95	7.59	192.1	192.1	3.95	4.55
12	8.56	200.7	200.8	4.26	4.44
12.05	7.9	204.5	204.5	3.86	5.02
12.1	9.37	219.2	219.3	4.28	4.93
12.15	10.85	252	252	4.3	5.93
12.2	11.74	224.9	225	5.22	5.89
12.25	9.47	190.5	190.6	4.97	5.62
12.3	7.09	214.2	214.3	3.31	5.05
12.35	4.91	190	190	2.59	5.07
12.4	4.56	119.7	119.8	3.81	4.27
12.45	3.88	63.3	63.3	6.13	4.57
12.5	2.7	39.6	39.6	6.8	4.19
12.55	1.69	33	33	5.13	4.77
12.6	1.26	35.4	35.5	3.55	5.15
12.65	1.12	31.3	31.4	3.57	4.88
12.7	1.15	29.8	29.8	3.84	5.72
12.75	1.04	30.7	30.8	3.38	5.41
12.8	1.03	31.8	31.8	3.24	6.14
12.85	1.01	31.2	31.3	3.23	5.47
12.9	1.06	34.7	34.8	3.05	5.39
12.95	1.03	36	36	2.87	5.2
13	1.23	37.9	37.9	3.23	5.94
13.05	1.37	39	39.1	3.52	6.25
13.1	1.32	43.1	43.1	3.07	6.15
13.15	1.36	40.2	40.3	3.38	6.46
13.2	1.42	39.4	39.5	3.6	6.08
13.25	1.36	40.7	40.8	3.35	6.19
13.3	1.38	39.7	39.8	3.47	6.68
13.35	1.39	37.8	37.9	3.66	6.33
13.4	1.36	39	39.1	3.47	6.19
13.45	1.38	39.8	39.9	3.47	6.92
13.5	1.41	38	38.1	3.69	6.33
13.55	1.35	37.7	37.8	3.58	6.27
13.6	1.33	38.3	38.4	3.46	6.38
13.65	1.54	38.2	38.3	4.01	6.44
13.7	2.51	45	45.1	5.56	6.56
13.75	4.22	70.4	70.5	5.99	7.72
13.8	6.49	134.8	134.9	4.81	7.23
13.85	7.85	165.7	165.8	4.73	7.87
13.9	8.42	164	164.1	5.13	8.44
13.95	7.52	106.4	106.5	7.06	7.14

14	5.62	85.4	85.5	6.57	6.91
14.05	4.26	65.8	65.9	6.47	7.28
14.1	3.01	39.2	39.3	7.67	7.19
14.15	2.48	39.3	39.5	6.29	8.45
14.2	2.18	42.1	42.2	5.17	8.31
14.25	2.04	43.5	43.6	4.66	8.32
14.3	1.93	43	43.1	4.48	8.54
14.35	2.17	40.8	40.9	5.3	8.32
14.4	2.27	44	44.1	5.15	8.04
14.45	1.99	45	45.1	4.4	7.75
14.5	1.86	38	38.1	4.87	7.95
14.55	1.57	34.4	34.5	4.57	8.17
14.6	1.56	32.6	32.7	4.78	7.86
14.65	1.58	32.7	32.8	4.82	8.43
14.7	1.54	33.9	34	4.53	7.87
14.75	1.49	33.6	33.7	4.43	7.86
14.8	1.48	33.7	33.8	4.39	8.19
14.85	1.39	34.8	34.9	3.97	8.2
14.9	1.29	34.9	35	3.67	8.32
14.95	1.44	34.6	34.7	4.15	7.77
15	1.49	35.6	35.7	4.16	7.77
15.05	1.63	40.8	40.9	3.99	8.01
15.1	1.55	40.4	40.5	3.83	8.09
15.15	1.56	38.4	38.5	4.05	8.53
15.2	1.51	35.9	36	4.2	7.89
15.25	1.55	34.2	34.3	4.52	7.6
15.3	1.54	35.5	35.7	4.32	7.63
15.35	1.62	39.1	39.3	4.13	8.55
15.4	1.7	44	44.2	3.85	7.95
15.45	1.76	45.4	45.5	3.86	7.83
15.5	1.99	44.9	45.1	4.41	8.3
15.55	2.46	53.3	53.5	4.61	8.49
15.6	2.78	58.9	59	4.71	8.08
15.65	2.68	60.4	60.5	4.44	8.74
15.7	2.37	47.6	47.7	4.97	7.86
15.75	2.13	40.5	40.6	5.23	8.42
15.8	1.62	36.2	36.3	4.46	7.71
15.85	1.58	33.2	33.4	4.73	8.63
15.9	1.33	29.2	29.3	4.54	7.4
15.95	1.25	29.4	29.5	4.24	8.64
16	1.21	25.8	26	4.67	8.04
16.05	1.27	25.5	25.6	4.95	8
16.1	1.32	29.5	29.6	4.48	8.11
16.15	1.44	34.4	34.5	4.18	7.85
16.2	1.68	35.3	35.4	4.74	7.51
16.25	1.9	37.8	37.9	5.02	7.69
16.3	2.03	38.7	38.8	5.24	7.95

16.35	2.08	38.3	38.4	5.43	8.41
16.4	2.06	37.8	37.9	5.45	8.01
16.45	2.05	37.2	37.3	5.49	8.19
16.5	2.04	35.8	35.9	5.68	7.93
16.55	1.97	33.8	33.9	5.82	7.42
16.6	1.85	33.3	33.4	5.55	7.67
16.65	1.86	32	32.1	5.79	7.47
16.7	1.84	31.8	31.9	5.77	8.05
16.75	1.66	31	31.1	5.33	8.09
16.8	1.77	31.9	32	5.54	8.18
16.85	1.76	30.2	30.3	5.81	7.76
16.9	1.79	30.5	30.6	5.87	7.86
16.95	1.65	29	29.1	5.67	7.7
17	1.47	31	31.1	4.73	8.31
17.05	1.43	33.5	33.6	4.25	7.81
17.1	1.54	39.9	40	3.84	8.99
17.15	1.77	42.5	42.6	4.15	8.46
17.2	2.06	43	43.1	4.78	8.25
17.25	2.27	42.1	42.2	5.37	8.26
17.3	2.14	42	42.1	5.09	8.22
17.35	1.98	41	41.1	4.82	8.43
17.4	1.73	36.9	37.1	4.68	8.14
17.45	1.52	33.7	33.8	4.51	8.17
17.5	1.27	30.1	30.2	4.21	8.27
17.55	1.11	28.1	28.2	3.95	8.61
17.6	1.06	26.7	26.8	3.96	8.9
17.65	1.06	25.1	25.2	4.19	8.57
17.7	1.09	26.1	26.2	4.15	8.87
17.75	1.09	28.8	28.9	3.78	9.04
17.8	1.23	29.8	29.9	4.13	8.28
17.85	1.45	31.1	31.2	4.63	8.44
17.9	1.55	33.5	33.6	4.62	8
17.95	1.62	34.8	35	4.63	8.79
18	1.7	36.5	36.7	4.64	8.65
18.05	1.73	39.4	39.5	4.39	8.32
18.1	1.78	41.6	41.7	4.28	9.22
18.15	1.77	40.3	40.5	4.39	8.78
18.2	1.72	40.9	41	4.2	9.09
18.25	1.72	40.9	41	4.19	8.42
18.3	1.76	41.4	41.5	4.23	8.9
18.35	1.88	42.4	42.5	4.42	8.21
18.4	1.93	46.1	46.2	4.18	8.61
18.45	2.01	49.4	49.5	4.06	9.27
18.5	2.23	49.9	50.1	4.45	9.16
18.55	2.51	48.3	48.4	5.2	8.74
18.6	3.33	58.2	58.4	5.7	8.82
18.65	4.8	99.2	99.4	4.83	9.09

18.7	6.11	131.8	131.9	4.63	9.73
18.75	7.93	120.2	120.3	6.59	9.19
18.8	7.32	106.8	107	6.84	9.63
18.85	5.9	102.2	102.3	5.77	9.71
18.9	5.4	75.8	75.9	7.1	9.75
18.95	6.06	88.1	88.2	6.87	10.12
19	7.5	141.9	142.1	5.28	9.98
19.05	9.03	176	176.1	5.13	10.3
19.1	7.49	226.4	226.6	3.3	10.06
19.15	0	303.3	303.5	0	9.84
19.2	0	368.8	368.9	0	9.2

Depth (m)	Sleeve (tsf)	Tip(unc) (tsf)	Tip(cor) (tsf)	F. Ratio (%)	U (psi)
0.05	0	41.3	41.3	0	2.48
0.1	0.71	59.1	59.2	1.19	2.35
0.15	0.93	65	65	1.43	0.43
0.2	0.92	54.2	54.2	1.7	0.64
0.25	0.92	45.2	45.2	2.03	0.53
0.3	0.84	41.2	41.2	2.04	0.52
0.35	0.79	35.3	35.3	2.25	0.2
0.4	0.7	30.7	30.7	2.26	0.21
0.45	0.66	32.9	32.9	2.01	0.72
0.5	0.63	31.8	31.8	1.98	0.24
0.55	0.65	32.2	32.2	2.01	0.27
0.6	0.62	32.1	32.2	1.93	0.44
0.65	0.37	28.5	28.5	1.3	0.62
0.7	0.34	26.4	26.4	1.3	1.02
0.75	0.31	23.5	23.5	1.31	0.36
0.8	0.38	25.5	25.5	1.5	0.64
0.85	0.43	32.7	32.7	1.32	0.53
0.9	0.57	41.7	41.7	1.36	0.94
0.95	0.59	38.9	38.9	1.53	0.49
1	0.51	33	33	1.56	0.72
1.05	0.48	28	28	1.72	0.64
1.1	0.47	23.1	23.1	2.05	0.16
1.15	0.46	19.8	19.8	2.34	0.21
1.2	0.46	18.9	18.9	2.41	0.11
1.25	0.47	18.3	18.3	2.6	0.16
1.3	0.48	17.1	17.1	2.81	0.08
1.35	0.5	16.3	16.4	3.07	0.44
1.4	0.52	17	17	3.04	0.35
1.45	0.58	20.4	20.4	2.82	0.52
1.5	0.71	27.7	27.7	2.55	0.54
1.55	0.88	36.9	36.9	2.37	0.94
1.6	1.13	43	43.1	2.63	0.98
1.65	1.35	41.7	41.7	3.25	0.86
1.7	1.51	47.9	47.9	3.16	0.6
1.75	1.62	50.2	50.3	3.23	0.88
1.8	1.7	52.7	52.7	3.21	1.31
1.85	1.76	53.3	53.4	3.29	1.23
1.9	1.78	54.7	54.7	3.24	1.15
1.95	1.78	56.3	56.3	3.17	1.13
2	1.77	56.2	56.2	3.15	0.98
2.05	1.73	56.1	56.1	3.09	0.96
2.1	1.69	55.1	55.1	3.06	0.94
2.15	1.67	47.5	47.5	3.51	0.74
2.2	1.72	40.4	40.4	4.27	0.6

2.25	1.79	32.1	32.2	5.57	0.65
2.3	1.81	26.3	26.3	6.87	1.44
2.35	1.74	23.8	23.9	7.29	2.5
2.4	1.66	23.4	23.5	7.07	2.27
2.45	1.57	23.5	23.6	6.69	1.56
2.5	1.35	22.6	22.6	5.98	1.1
2.55	1.31	21.4	21.4	6.13	1.11
2.6	1.28	20.4	20.4	6.29	1.2
2.65	1.25	19.8	19.8	6.32	1.35
2.7	1.28	19.6	19.6	6.54	1.31
2.75	1.32	20.2	20.2	6.54	1.18
2.8	1.32	19.2	19.2	6.86	0.55
2.85	1.31	18.7	18.8	6.97	1.1
2.9	1.35	21.4	21.4	6.33	0.92
2.95	1.38	20.1	20.1	6.85	0.33
3	1.31	18	18	7.29	0.3
3.05	1.2	17	17	7.08	1.11
3.1	1.11	16.9	17	6.57	1.59
3.15	1.04	17.2	17.3	6.05	2.2
3.2	0.98	16.3	16.3	5.98	2.31
3.25	0.9	16.2	16.2	5.56	2.31
3.3	0.95	18.1	18.2	5.23	2.63
3.35	0.99	20.3	20.3	4.9	0.91
3.4	0.94	19.9	19.9	4.71	0.48
3.45	0.85	16.4	16.4	5.18	0.33
3.5	0.55	24.6	24.6	2.25	0.47
3.55	0.56	36.6	36.6	1.54	0.31
3.6	0.87	81.9	81.9	1.06	0.91
3.65	1.13	131.8	131.8	0.86	0.91
3.7	0.95	103.7	103.7	0.92	-0.1
3.75	0.71	69.4	69.5	1.02	0.51
3.8	0.5	48.1	48.1	1.04	0.94
3.85	0.7	31.2	31.2	2.25	0.23
3.9	0.82	25.2	25.2	3.27	0.14
3.95	0.8	18.7	18.7	4.28	-0.18
4	0.62	18.1	18.1	3.44	0.41
4.05	0.56	19.7	19.7	2.86	0.17
4.1	0.6	20	20	2.98	-0.09
4.15	0.73	24.4	24.4	2.98	0.9
4.2	0.63	70	70	0.9	1.04
4.25	0.5	133.8	133.8	0.37	1.12
4.3	0.68	161.9	162	0.42	1
4.35	1.51	167.5	167.5	0.9	2.05
4.4	2.33	192.7	192.7	1.21	1.74
4.45	2.38	204.7	204.7	1.16	1.6
4.5	2.03	206.1	206.2	0.99	1.57
4.55	1.93	214.7	214.7	0.9	0.88

4.6	1.89	213.1	213.1	0.89	0.24
4.65	2.22	211.2	211.2	1.05	1.31
4.7	2.22	198.7	198.7	1.12	2.37
4.75	2.28	186.3	186.3	1.22	1.02
4.8	2.14	182.4	182.4	1.18	0.92
4.85	1.99	174.5	174.5	1.14	0.93
4.9	1.93	165.8	165.8	1.16	1.05
4.95	1.69	177.3	177.3	0.95	1.73
5	1.5	177.6	177.6	0.84	1.07
5.05	1.3	160.9	160.9	0.81	1.45
5.1	1.17	140.2	140.2	0.83	1.16
5.15	1.14	120.1	120.1	0.95	1.57
5.2	1.19	87.6	87.6	1.36	0.8
5.25	1	57.3	57.3	1.74	0.55
5.3	0.95	38.2	38.2	2.48	0.66
5.35	0.91	35.1	35.1	2.6	1.19
5.4	0.97	46.1	46.1	2.11	1.3
5.45	1.31	103.8	103.9	1.26	1.81
5.5	1.52	197.3	197.3	0.77	1.09
5.55	1.59	215.7	215.7	0.74	1.26
5.6	1.64	213.7	213.7	0.77	0.71
5.65	1.99	226.2	226.2	0.88	1.99
5.7	2.2	256.2	256.2	0.86	1.91
5.75	2.46	260.7	260.7	0.94	1.14
5.8	2.28	258.8	258.8	0.88	1.2
5.85	2.14	235.1	235.1	0.91	2.64
5.9	2.37	232.1	232.1	1.02	0.9
5.95	2.57	244.9	244.9	1.05	1.26
6	2.97	267	267	1.11	1.55
6.05	3.35	310.3	310.4	1.08	2.2
6.1	3.68	314.8	314.8	1.17	2.49
6.15	3.61	272	272	1.33	0.68
6.2	3	262.3	262.4	1.14	1.03
6.25	3.62	280.3	280.3	1.29	3.01
6.3	2.95	283.3	283.3	1.04	1.43
6.35	2.84	276.5	276.5	1.03	0.9
6.4	2.81	266	266	1.05	0.64
6.45	2.63	243.3	243.3	1.08	0.65
6.5	2.45	239.9	239.9	1.02	1.37
6.55	2.47	246.1	246.1	1	1.16
6.6	2.18	224.4	224.4	0.97	2.44
6.65	1.78	192.4	192.4	0.92	0.4
6.7	1.56	170.1	170.1	0.92	1.26
6.75	1.56	156.8	156.8	1	0.79
6.8	1.59	155.2	155.2	1.02	0.59
6.85	1.7	171.1	171.1	1	1.22
6.9	2.14	221.7	221.7	0.97	1.77

6.95	3	303.8	303.8	0.99	1.33
7	3.08	312.3	312.3	0.99	0.98
7.05	3.09	269.5	269.6	1.15	4.79
7.1	2.7	222.1	222.2	1.21	2.32
7.15	2.16	202.4	202.4	1.06	1.46
7.2	1.9	173.5	173.5	1.1	0.21
7.25	1.6	139.8	139.8	1.14	0.65
7.3	1.35	117	117	1.15	0.04
7.35	1.22	93.4	93.4	1.31	0.3
7.4	1.34	68.1	68.1	1.96	-0.29
7.45	1.38	46.9	46.9	2.95	0
7.5	1.49	37.3	37.3	3.99	0.76
7.55	1.72	43	43	4	1.28
7.6	1.98	51.5	51.5	3.84	1.55
7.65	2.06	81.7	81.7	2.52	3.28
7.7	1.92	140.1	140.2	1.37	2.34
7.75	1.8	162.3	162.4	1.11	1.65
7.8	1.68	163.7	163.8	1.02	1.71
7.85	1.68	169.9	169.9	0.99	1.76
7.9	1.84	180.3	180.3	1.02	1.52
7.95	1.89	183.8	183.9	1.03	1.57
8	1.87	183.3	183.3	1.02	1.72
8.05	1.59	180.3	180.4	0.88	1.81
8.1	1.65	170.6	170.6	0.97	1.25
8.15	1.57	156.9	156.9	1	0.74
8.2	1.4	163.1	163.1	0.86	1.41
8.25	1.52	167.8	167.8	0.91	1.85
8.3	1.28	153.7	153.7	0.84	1.32
8.35	1.75	122.1	122.1	1.43	0.77
8.4	2.79	114.1	114.1	2.44	0.49
8.45	2.72	80.2	80.1	3.39	-0.4
8.5	2.33	42.8	42.8	5.45	3.77
8.55	1.71	31.7	31.8	5.37	6.37
8.6	1.19	30.8	30.9	3.87	5.91
8.65	1.17	28.9	29	4.04	5.92
8.7	1.04	25.7	25.8	4.03	5.66
8.75	0.95	24.3	24.4	3.88	6.21
8.8	0.93	26.2	26.3	3.52	6.71
8.85	1	29.3	29.4	3.41	6.58
8.9	1.3	43	43.1	3.01	7.67
8.95	1.64	47.7	47.8	3.43	6.68
9	1.73	43.9	44	3.93	7.81
9.05	1.29	33.9	34	3.8	7.31
9.1	1.09	27.5	27.6	3.96	8.28
9.15	0.95	26.9	27.1	3.51	8.2
9.2	0.88	27.7	27.8	3.18	8.69
9.25	0.92	28.9	29	3.17	9.04

9.3	0.97	30	30.1	3.21	8.73
9.35	1.12	31.1	31.2	3.6	8.57
9.4	1.2	30.8	30.9	3.88	8.37
9.45	1.27	31	31.1	4.07	8.61
9.5	1.22	30.6	30.7	3.98	8.78
9.55	1.2	30.3	30.4	3.95	9.25
9.6	1.11	30.9	31.1	3.57	9.37
9.65	1.04	32.2	32.4	3.2	9.91
9.7	1.03	31.5	31.6	3.24	9.76
9.75	1.03	32.7	32.8	3.12	9.66
9.8	1.13	32.6	32.7	3.45	9.36
9.85	1.12	32.8	32.9	3.4	9.44
9.9	1.18	33.1	33.2	3.55	10.33
9.95	1.19	35.1	35.2	3.37	10.49
10	1.21	35.7	35.9	3.38	10.15
10.05	1.21	35.2	35.4	3.42	10.38
10.1	1.13	35.1	35.2	3.2	10.94
10.15	1.05	36.2	36.4	2.89	11.2
10.2	1.03	36.9	37.1	2.79	11.76
10.25	1.09	38.6	38.7	2.82	11.91
10.3	1.15	39.8	39.9	2.88	11.91
10.35	1.21	39.3	39.5	3.08	11.85
10.4	1.2	36.1	36.2	3.31	11.67
10.45	1.17	36.8	37	3.18	12.09
10.5	1.14	39.3	39.5	2.89	12.86
10.55	1.35	43.6	43.8	3.09	13.95
10.6	1.61	48.9	49.1	3.29	13.68
10.65	2.42	58.2	58.4	4.14	15.58
10.7	2.69	76.2	76.4	3.52	14.12
10.75	2.93	65.8	66	4.44	14.2
10.8	2.61	55.8	56	4.66	14.63
10.85	1.99	44.5	44.7	4.44	14.04
10.9	1.71	35.1	35.3	4.84	13.75
10.95	1.4	31.2	31.4	4.46	14.24
11	1.26	32.1	32.3	3.88	14.76
11.05	1.26	30.8	31	4.05	14.44
11.1	1.2	29.7	29.9	4.01	14.55
11.15	1.24	29.7	29.9	4.13	15.2
11.2	1.29	30.7	30.9	4.18	15.03
11.25	1.2	35.5	35.7	3.37	15.47
11.3	1.24	32.4	32.7	3.78	15.53
11.35	1.55	37.5	37.7	4.1	16.25
11.4	1.89	49.5	49.7	3.81	15.94
11.45	3.2	59.1	59.3	5.39	18.28
11.5	4.52	108	108.2	4.18	16.78
11.55	4.92	126.3	126.6	3.89	16.3
11.6	6.74	151.9	152.2	4.43	22.29

11.65	7.29	152.1	152.3	4.79	16.11
11.7	4.55	118.3	118.6	3.83	19.99
11.75	2.37	97	97.3	2.43	23.48
11.8	2.94	150.5	151.3	1.95	52.23
11.85	4.6	304.3	304.6	1.51	23.32
11.9	5.24	273.8	274	1.91	12.06
11.95	4.72	350.1	350.4	1.35	18.02
12	7.84	386.4	386.6	2.03	13.5
12.05	6.24	290.7	290.9	2.14	10.35
12.1	5.73	239.6	239.9	2.39	24.85
12.15	6.71	149.3	149.6	4.49	24.04
12.2	6.21	117.1	117.7	5.28	37.81
12.25	7.75	156	156.9	4.94	66.49
12.3	6.06	180.6	181.3	3.34	51.13
12.35	6.2	124	124.5	4.98	36.53
12.4	6.19	141.3	142.2	4.35	68.61
12.45	6.3	153.7	154.7	4.08	74.54
12.5	5.65	106.3	106.8	5.29	37.55
12.55	3.78	63.1	63.5	5.95	30.18
12.6	2.28	42.8	43.3	5.27	38.85
12.65	1.61	40.1	40.7	3.95	41.77
12.7	1.41	36.6	37.1	3.79	38.77
12.75	1.27	34.5	35	3.63	39.34
12.8	0.87	33.3	33.8	2.58	41.05
12.85	0.9	35	35.5	2.53	41.84
12.9	0.88	34	34.5	2.56	40.83
12.95	0.87	34	34.6	2.5	42.24
13	0.87	34.9	35.5	2.45	43.02
13.05	0.9	36.2	36.8	2.46	43.27
13.1	0.93	37.2	37.8	2.46	44.29
13.15	0.89	36.5	37.2	2.39	45.61
13.2	0.87	35.6	36.2	2.41	45.96
13.25	0.94	37.2	37.8	2.49	45.1
13.3	1.09	40.4	41	2.67	45.19
13.35	1.17	40.6	41.2	2.85	45.01
13.4	1.33	39.3	40	3.32	45.52
13.45	1.25	39.5	40.1	3.11	45.57
13.5	1.18	40.4	41.1	2.88	45.28
13.55	1.09	37.9	38.5	2.83	46.47
13.6	0.89	36.2	36.8	2.43	46.93
13.65	0.84	35	35.6	2.35	47.24
13.7	0.88	34.5	35.1	2.5	46.66
13.75	1.51	35.7	36.3	4.15	43.77
13.8	1.65	44.9	45.6	3.63	44.23
13.85	1.92	49	49.7	3.86	48.63
13.9	3.9	82.6	83.4	4.67	59.47
13.95	5.7	126.7	127.2	4.48	35.24

14	4.44	109.2	109.8	4.04	42.41
14.05	4.41	112.6	113.4	3.89	61.32
14.1	5.2	121.2	122.2	4.25	73.4
14.15	6.55	147.1	147.7	4.43	47.08
14.2	3.75	98.8	99.4	3.78	39.36
14.25	3.25	64.3	64.9	5.01	46.74
14.3	3.09	46.3	47	6.57	48.94
14.35	2.49	41.3	42	5.93	51.28
14.4	1.56	42.4	43.3	3.6	65.36
14.45	1.43	41.7	42.8	3.34	73.99
14.5	1.35	40.2	41	3.29	60.56
14.55	1.38	42	42.9	3.21	65.21
14.6	1.52	43.9	44.8	3.39	62.85
14.65	1.57	43	43.9	3.58	61.23
14.7	1.63	42.4	43.3	3.77	64.84
14.75	1.58	44.2	45.1	3.51	64.46
14.8	1.54	43.7	44.6	3.45	60.72
14.85	1.51	37.3	38.1	3.96	57.99
14.9	1.45	34.1	34.9	4.17	57.9
14.95	1.32	33.1	33.9	3.9	59.18
15	1.21	33.6	34.5	3.52	60.68
15.05	1.27	35.4	36.2	3.51	59.91
15.1	1.32	40.6	41.4	3.18	60.25
15.15	1.44	39.5	40.4	3.57	62.01
15.2	1.33	37.6	38.4	3.46	58.25
15.25	1.41	37.1	37.9	3.72	60.42
15.3	1.31	38.3	39.2	3.35	61.61
15.35	2.4	40.9	41.8	5.73	66.28
15.4	3.57	73	73.8	4.84	59.13
15.45	3.13	76.3	77	4.07	45.47
15.5	3.22	62.3	63.1	5.1	58.8
15.55	2.22	50.9	51.8	4.29	63
15.6	3.06	61.8	62.9	4.87	74.62
15.65	4.16	87.9	88.7	4.69	53.14
15.7	4.09	73.3	74	5.52	49.5
15.75	2.35	50.4	51.2	4.59	62.68
15.8	1.87	51.7	52.8	3.54	79.5
15.85	1.94	57.1	58.3	3.32	83.42
15.9	3.05	68.3	69.3	4.4	76.52
15.95	3.69	89.4	90.1	4.1	52.29
16	3.72	69.2	69.9	5.32	51.76
16.05	4.04	97.1	98	4.13	65.18
16.1	4.17	88.3	88.9	4.69	40.36
16.15	3.31	50.1	50.5	6.55	33.41
16.2	1.99	29.8	30.5	6.53	49.97
16.25	1.12	26.6	27.3	4.08	54.08
16.3	0.97	25.1	25.9	3.75	54.28

16.35	0.96	24.8	25.5	3.75	54.22
16.4	0.95	25.8	26.5	3.57	54.72
16.45	0.93	26	26.8	3.47	55.16
16.5	0.91	26.4	27.2	3.36	54.59
16.55	0.97	26.9	27.7	3.51	55.41
16.6	1.08	28.8	29.6	3.66	54.38
16.65	1.15	29.3	30.1	3.83	54.86
16.7	1.17	29.4	30.2	3.86	56.41
16.75	1.06	30	30.8	3.44	57.2
16.8	1.03	30.9	31.7	3.23	59.29
16.85	1.18	34.8	35.7	3.3	63
16.9	1.35	37.3	38.1	3.55	58.98
16.95	1.63	37.1	37.9	4.29	57.73
17	1.82	37.5	38.3	4.75	56.09
17.05	1.95	35.6	36.4	5.35	54.86
17.1	1.95	36	36.7	5.32	54.53
17.15	2	36.1	36.9	5.41	55.16
17.2	1.91	37.2	38	5.03	56.65
17.25	1.83	37.4	38.3	4.8	58.33
17.3	1.69	36.3	37.2	4.54	59.49
17.35	1.56	34.3	35.1	4.45	59.25
17.4	1.35	31.9	32.8	4.13	60.05
17.45	1.18	32.8	33.7	3.51	63.15
17.5	1.16	35.9	36.8	3.15	65.22
17.55	1.32	42.6	43.6	3.02	70.24
17.6	1.61	45.9	46.9	3.42	71.12
17.65	1.83	47	48	3.82	70.31
17.7	1.89	47	48	3.94	71.04
17.75	1.83	45.7	46.6	3.93	71.11
17.8	1.87	44.8	45.8	4.08	71.31
17.85	1.95	44.7	45.7	4.28	70.18
17.9	2.18	44.9	45.9	4.76	69.05
17.95	2.25	44.3	45.2	4.98	67.13
18	2.19	41.9	42.8	5.11	67.08
18.05	2.02	40.3	41.3	4.89	68.87
18.1	1.83	38.8	39.7	4.61	68.29
18.15	1.71	38.6	39.5	4.32	69.48
18.2	1.62	38.9	39.9	4.07	70.3
18.25	1.52	38.6	39.5	3.83	69.37
18.3	1.55	37	38	4.08	70.16
18.35	1.52	35.6	36.6	4.15	69.08
18.4	1.5	35.7	36.6	4.08	70.98
18.45	1.48	37	38	3.9	71.14
18.5	1.54	38.3	39.3	3.92	71.22
18.55	1.54	38.8	39.8	3.87	73.53
18.6	1.62	40.3	41.4	3.91	75.51
18.65	1.69	43.7	44.7	3.77	75.85

18.7	1.93	50.5	51.5	3.74	77
18.75	1.95	49.7	50.7	3.85	72.48
18.8	1.76	44.2	45.3	3.88	75.08
18.85	1.64	43	44.2	3.72	82.06
18.9	1.63	44.5	45.6	3.58	81.37
18.95	1.69	45.6	46.8	3.6	81.51
19	2	48.5	49.7	4.02	88.9
19.05	1.9	50.6	51.8	3.67	83.11
19.1	1.64	50.2	51.4	3.2	88.2
19.15	1.98	49.9	51.1	3.87	89.54
19.2	2.3	71.8	73.3	3.14	107.61
19.25	2.49	165.5	167.1	1.49	121.61
19.3	4.09	210.8	215.9	1.89	367.06
19.35	6.82	302.8	303.5	2.25	49.38
19.4	5.68	344.3	344.9	1.65	43.16
19.45	7.56	350.6	351.2	2.15	38.43
19.5	5.28	305.5	305.9	1.73	30.24
19.55	8.64	295.1	295.6	2.92	34.71
19.6	4.93	314.8	315.2	1.56	31.98
19.65	5.59	348	348.5	1.6	34.85
19.7	7.32	340.3	340.7	2.15	31.25
19.75	8.1	287.4	287.8	2.81	31.11
19.8	8.43	241.7	242.1	3.48	28.57
19.85	8.71	184	184.4	4.72	28.46
19.9	4.03	139.4	139.9	2.88	38.92
19.95	4.09	80.5	81	5.05	34.14
20	3.19	49.6	50.1	6.36	38.75
20.05	2.37	43	43.8	5.41	52.3
20.1	1.77	44.6	45.6	3.89	68.87
20.15	1.78	47.4	48.3	3.69	62.21
20.2	2.06	46.3	47.1	4.38	54.3
20.25	2.31	43.9	44.6	5.16	54.39
20.3	2.2	42.2	43	5.12	55.4
20.35	2.03	42.4	43.2	4.71	54.63
20.4	1.87	42.6	43.3	4.3	54.09
20.45	1.96	42.2	42.9	4.57	54.48
20.5	2.2	43.5	44.3	4.97	55.6
20.55	2.21	48.3	49.1	4.5	54.69
20.6	2.26	48.5	49.3	4.59	55.84
20.65	2.12	48	48.8	4.34	56.72
20.7	1.89	47	47.8	3.95	57.64
20.75	1.72	44.2	45	3.81	59.16
20.8	1.74	46.4	47.3	3.68	61.05
20.85	1.8	45.1	45.9	3.91	61.26
20.9	2.25	50.4	51.3	4.38	64.4
20.95	2.2	55.2	56.1	3.92	60.1
21	2.35	53.3	54.3	4.33	68.91

21.05	2.36	58.3	59.3	3.99	72.66
21.1	3.38	72.6	73.7	4.58	81.57
21.15	4.04	84.5	85.3	4.74	59.61
21.2	3.54	64.4	65.1	5.44	45.65
21.25	2.56	48.1	49	5.22	67.81
21.3	1.97	46.6	47.6	4.14	68.12
21.35	1.87	44.5	45.5	4.1	68.8
21.4	1.99	44.4	45.4	4.38	73.9
21.45	2.4	50.8	51.8	4.62	75.94
21.5	3.41	75.2	76.3	4.47	79.26
21.55	3.67	84.9	85.7	4.28	56.27
21.6	3.12	65.3	66.2	4.72	66.13
21.65	2.6	56.1	57.2	4.54	85.08
21.7	2.39	57.7	59	4.05	91.03
21.75	2.7	70.3	71.6	3.76	90.16
21.8	2.57	61.5	62.4	4.11	63.02
21.85	2.13	47.3	48.4	4.41	76.2
21.9	1.73	41.3	42.5	4.08	85.95
21.95	1.58	41.3	42.5	3.73	82.21
22	1.62	41.4	42.5	3.81	84.13
22.05	1.58	41.6	42.7	3.69	85.24
22.1	1.57	41.7	43	3.65	87.2
22.15	1.75	43.9	45.2	3.87	92.49
22.2	2.06	50.2	51.5	4	96.72
22.25	2.98	58.2	59.6	4.99	105.46
22.3	5.88	98.2	100.1	5.88	131.18
22.35	7.19	209.2	210.5	3.42	87.07
22.4	9.21	271.9	272.8	3.38	61.4
22.45	8.27	324.4	325.7	2.54	94.77
22.5	8.76	378.6	379.9	2.31	90.29
22.55	7.94	443.2	444	1.79	57.16
22.6	8.38	460.3	460.6	1.82	21.28
22.65	9.43	469.4	469.6	2.01	18.87
22.7	8.46	470	470.2	1.8	13.73
22.75	10.02	437.8	438	2.29	15.07
22.8	0	388.7	388.9	0	9.51
22.85	0	373.9	374	0	10.06

Depth (m)	Sleeve (tsf)	Tip(unc) (tsf)	Tip(cor) (tsf)	F. Ratio (%)	U (psi)
0.05	0	60.7	60.7	0	0.4
0.1	0.24	75.7	75.7	0.31	0.31
0.15	0.2	75.2	75.2	0.27	0.52
0.2	0.24	57.3	57.3	0.43	-0.46
0.25	0.26	48.4	48.4	0.53	-0.4
0.3	0.42	41.4	41.4	1.02	-0.39
0.35	0.53	50.4	50.4	1.06	0.32
0.4	0.76	76.2	76.2	0.99	-0.2
0.45	0.85	85.4	85.4	0.99	-0.43
0.5	0.74	76.1	76.1	0.97	-0.5
0.55	0.82	76.2	76.2	1.07	0.39
0.6	0.82	63.6	63.6	1.29	-0.36
0.65	0.55	49.5	49.5	1.12	-0.42
0.7	0.34	36.7	36.7	0.93	-0.04
0.75	0.29	31.1	31.1	0.92	-0.22
0.8	0.3	29	29	1.04	0.08
0.85	0.44	30.4	30.4	1.45	0.4
0.9	0.4	33.9	33.9	1.17	-0.3
0.95	0.32	44.4	44.4	0.72	0.44
1	0.33	47.2	47.2	0.7	0
1.05	0.33	43.6	43.6	0.76	-0.27
1.1	0.45	47.6	47.6	0.95	-0.19
1.15	0.64	62.6	62.6	1.02	-0.26
1.2	0.65	66.9	66.9	0.97	0
1.25	0.63	63.4	63.4	0.99	-0.26
1.3	0.75	59.1	59.1	1.27	-0.26
1.35	1.18	55.4	55.4	2.14	0.15
1.4	1.74	52	52	3.35	-0.1
1.45	2.37	54.3	54.3	4.37	-0.18
1.5	2.77	56	56	4.95	0.07
1.55	2.55	53.5	53.5	4.77	0.23
1.6	2.17	51.7	51.7	4.19	0.07
1.65	1.88	47.7	47.7	3.94	-0.06
1.7	1.7	44.5	44.5	3.82	-0.33
1.75	2.05	49.7	49.7	4.13	-0.3
1.8	2.48	59.3	59.3	4.19	-0.04
1.85	3.01	62.2	62.2	4.85	-0.32
1.9	3.39	65.9	65.9	5.15	-0.24
1.95	3.71	69.1	69.1	5.37	0.12
2	4.01	70.7	70.7	5.68	0.24
2.05	4.34	72.5	72.5	5.99	0.06
2.1	4.6	74.7	74.7	6.16	-0.16
2.15	4.75	78.1	78.1	6.09	-0.12
2.2	4.8	80.4	80.4	5.98	-1.29

2.25	4.79	82.2	82.1	5.83	-1.75
2.3	4.53	79.3	79.3	5.72	-2.09
2.35	3.84	69.9	69.9	5.5	-2.2
2.4	2.86	55.9	55.9	5.13	-1.52
2.45	2.47	49	49	5.05	-0.14
2.5	2.72	50	50	5.45	-0.15
2.55	2.86	52.1	52.1	5.49	-0.28
2.6	2.36	51.5	51.5	4.58	-0.22
2.65	1.65	50.3	50.3	3.27	0.07
2.7	1.13	47.6	47.6	2.37	-0.37
2.75	0.94	46.3	46.3	2.04	0.04
2.8	0.9	43.6	43.6	2.07	0.17
2.85	0.85	42	42	2.02	-0.24
2.9	1	40.6	40.6	2.46	-0.22
2.95	1.01	41.2	41.2	2.46	-0.27
3	1.01	42.8	42.8	2.36	-0.16
3.05	0.95	39.2	39.2	2.42	-0.41
3.1	1.14	35.9	35.9	3.18	-0.42
3.15	1.37	33.6	33.6	4.07	-0.5
3.2	1.61	30.1	30	5.34	-0.5
3.25	1.66	28	28	5.95	-0.47
3.3	1.56	26.6	26.6	5.87	-0.73
3.35	1.23	26.4	26.4	4.68	-0.86
3.4	0.95	28.4	28.4	3.35	-0.18
3.45	0.97	29.4	29.4	3.29	-0.32
3.5	1	28.6	28.6	3.49	-0.15
3.55	0.97	26	26	3.74	-0.27
3.6	0.75	26.1	26.1	2.89	-0.4
3.65	0.6	28.5	28.5	2.1	-0.3
3.7	0.6	32.6	32.6	1.85	-0.21
3.75	0.65	43.4	43.4	1.49	-0.28
3.8	0.65	56.2	56.2	1.16	-0.05
3.85	0.61	52.4	52.4	1.16	-0.17
3.9	0.6	60.6	60.6	1	0.01
3.95	0.61	74.4	74.4	0.82	-0.35
4	0.56	77	77	0.73	-0.17
4.05	0.52	78.2	78.2	0.66	-0.26
4.1	0.55	79.6	79.5	0.69	-0.16
4.15	0.55	91	91	0.6	-0.09
4.2	0.52	138.1	138.1	0.38	-0.09
4.25	0.51	130.8	130.8	0.39	-0.08
4.3	0.46	95.3	95.3	0.48	-0.12
4.35	0.54	68.7	68.7	0.79	-0.07
4.4	0.65	52.7	52.7	1.23	0.07
4.45	0.68	46.5	46.5	1.47	-0.06
4.5	0.74	46.8	46.8	1.59	-0.03
4.55	0.74	56.2	56.2	1.31	-0.08

4.6	0.71	65.4	65.4	1.09	0.1
4.65	0.67	66.3	66.3	1.01	0.21
4.7	0.66	65.2	65.2	1.02	-0.59
4.75	0.76	69.1	69.1	1.1	0.22
4.8	0.87	78.5	78.5	1.11	-0.01
4.85	1.19	102.1	102.1	1.16	-0.62
4.9	1.2	150.1	150.1	0.8	0.14
4.95	1.41	208.7	208.7	0.67	0.19
5	1.63	225.5	225.5	0.72	-0.04
5.05	1.91	221.6	221.6	0.86	-0.45
5.1	1.94	204.1	204.1	0.95	-0.17
5.15	1.96	193.1	193.1	1.01	0.15
5.2	1.84	194.5	194.5	0.95	-0.18
5.25	1.81	214	214	0.84	-0.5
5.3	1.63	209.7	209.7	0.77	0.11
5.35	1.38	152.6	152.5	0.91	-0.41
5.4	0.9	105.1	105.1	0.85	-0.5
5.45	0.84	70.3	70.3	1.2	-0.46
5.5	0.89	48	48	1.84	0.13
5.55	0.86	37.2	37.2	2.32	-0.32
5.6	0.87	33.2	33.2	2.62	-0.22
5.65	0.86	32.6	32.6	2.64	-0.4
5.7	0.82	31.1	31.1	2.64	-0.58
5.75	0.72	29	29	2.48	-0.69
5.8	0.6	28.4	28.3	2.11	-0.36
5.85	0.57	27.6	27.6	2.07	-0.39
5.9	0.63	29.1	29.1	2.16	-0.25
5.95	0.67	30.9	30.9	2.17	-0.69
6	0.77	34	34	2.28	-0.62
6.05	1.21	40	40	3.02	-0.64
6.1	1.33	48.4	48.4	2.76	-0.68
6.15	1.4	46.9	46.9	2.99	-0.44
6.2	1.13	51	51	2.22	-0.55
6.25	0.89	52.9	52.9	1.68	-0.34
6.3	1	51.3	51.3	1.95	-0.51
6.35	1.27	55.2	55.2	2.31	-0.56
6.4	1.42	64.1	64.1	2.21	-0.51
6.45	1.73	106.7	106.7	1.62	-0.43
6.5	1.86	125.6	125.6	1.48	-0.6
6.55	2.29	134.4	134.4	1.7	-0.32
6.6	1.2	147.2	147.1	0.81	-0.35
6.65	1.46	160.5	160.4	0.91	-0.62
6.7	1.85	178	178	1.04	-0.33
6.75	2.37	189.1	189.1	1.25	-0.57
6.8	1.77	195.2	195.2	0.91	-0.45
6.85	1.58	199.6	199.6	0.79	-0.46
6.9	1.6	210	210	0.76	-0.61

6.95	1.17	183.9	183.9	0.64	-0.67
7	0.92	140.5	140.5	0.66	-0.44
7.05	1.31	106.4	106.3	1.23	-0.25
7.1	1.43	71.4	71.4	2	-0.54
7.15	1.37	35.6	35.6	3.84	-0.58
7.2	1.28	24.2	24.2	5.31	-0.23
7.25	0.95	21.3	21.3	4.43	-0.33
7.3	1.07	22.4	22.5	4.78	0.52
7.35	1.19	34.7	34.7	3.42	-0.25
7.4	1.6	42.5	42.5	3.76	-0.55
7.45	1.62	53.6	53.6	3.03	-0.75
7.5	1.55	56.4	56.4	2.76	-0.9
7.55	1.27	62.1	62.1	2.05	-0.68
7.6	1.15	59.4	59.4	1.94	-0.77
7.65	1.29	55.2	55.2	2.34	-0.56
7.7	1.52	45.4	45.4	3.34	-0.59
7.75	1.33	30.4	30.4	4.37	-0.66
7.8	1.3	25.8	25.8	5.06	0.02
7.85	1.21	28.7	28.7	4.21	-0.29
7.9	1.11	26.1	26.1	4.24	-1.55
7.95	1.01	24.4	24.4	4.14	-0.16
8	0.94	24.1	24.1	3.91	-0.43
8.05	1.02	26.2	26.2	3.88	-0.18
8.1	1.12	26.1	26.1	4.29	-1.1
8.15	1.08	23.8	23.8	4.56	-1.02
8.2	0.92	21.2	21.1	4.34	-0.88
8.25	1	20.2	20.2	4.96	-0.71
8.3	0.95	20.7	20.7	4.59	-0.88
8.35	0.85	19.8	19.7	4.28	-0.7
8.4	0.72	18.2	18.2	3.98	-0.92
8.45	0.71	17.6	17.6	4.05	-0.91
8.5	0.79	19.9	19.9	3.97	-1.29
8.55	0.87	22	22	3.97	-1.39
8.6	0.85	22.2	22.1	3.86	-1.31
8.65	0.74	17.5	17.5	4.24	-1.52
8.7	0.58	14.3	14.3	4.06	-1.42
8.75	0.37	13.2	13.2	2.83	-1.09
8.8	0.27	12	12	2.24	-1.13
8.85	0.24	11	10.9	2.2	-1.35
8.9	0.23	11.7	11.7	2	-1.19
8.95	0.22	13.1	13.1	1.64	-0.89
9	0.27	15.9	15.8	1.72	-0.89
9.05	0.45	19.3	19.3	2.34	-0.75
9.1	0.74	23.3	23.3	3.16	-0.2
9.15	2.11	30.4	30.4	6.94	-0.28
9.2	3.22	71.5	71.5	4.5	-1.1
9.25	2.95	54.2	54.1	5.45	-7.15

9.3	2.05	30.5	30.4	6.74	-7.08
9.35	1.05	26.9	26.8	3.92	-6.52
9.4	1.05	28.5	28.4	3.69	-6.54
9.45	1.24	32.2	32.1	3.88	-6.16
9.5	1.57	35.6	35.5	4.42	-6.36
9.55	1.74	37.7	37.6	4.62	-6.43
9.6	1.61	34.8	34.8	4.63	-6.28
9.65	1.34	29	28.9	4.63	-6.3
9.7	1.11	26.8	26.7	4.15	-6.45
9.75	1.04	25.7	25.6	4.05	-6.27
9.8	0.99	25.3	25.2	3.91	-6.32
9.85	0.93	25.3	25.2	3.68	-6.11
9.9	0.92	26.5	26.4	3.47	-6.07
9.95	0.98	28.6	28.5	3.43	-6.04
10	1.09	29.9	29.8	3.65	-5.92
10.05	1.07	28.7	28.7	3.75	-5.98
10.1	1.06	27.7	27.6	3.85	-5.95
10.15	1.05	28.6	28.5	3.69	-6.12
10.2	1.08	27	26.9	4	-6.17
10.25	1	27.5	27.4	3.65	-6.15
10.3	0.98	28	27.9	3.53	-5.84
10.35	0.99	31	30.9	3.21	-6.16
10.4	1.08	33	32.9	3.3	-5.84
10.45	1.12	33.9	33.8	3.3	-5.82
10.5	1.16	33.7	33.6	3.45	-5.86
10.55	1.13	31.9	31.8	3.56	-5.94
10.6	1.12	31.4	31.3	3.59	-5.8
10.65	1.11	30.9	30.8	3.6	-6.01
10.7	1.16	31.9	31.8	3.65	-5.72
10.75	1.14	32.7	32.6	3.49	-5.76
10.8	1.12	31.6	31.5	3.55	-5.67
10.85	1.01	31.5	31.5	3.2	-5.58
10.9	0.94	31.2	31.1	3.03	-5.59
10.95	1	29.1	29	3.44	-5.59
11	0.98	27.8	27.8	3.54	-5.5
11.05	1.01	28.4	28.4	3.55	-5.4
11.1	1.01	28.6	28.5	3.56	-5.36
11.15	0.99	28.7	28.7	3.46	-5.33
11.2	0.93	28.5	28.5	3.27	-5.26
11.25	0.85	27.5	27.4	3.12	-5.22
11.3	0.93	29.2	29.1	3.19	-5.29
11.35	1.07	32.8	32.7	3.28	-5.16
11.4	1.18	34.2	34.2	3.44	-5.17
11.45	1.32	34.2	34.1	3.86	-4.93
11.5	1.4	37	36.9	3.8	-4.83
11.55	1.56	39.5	39.5	3.94	-4.92
11.6	1.68	40.1	40	4.21	-4.99

11.65	1.7	40.1	40.1	4.25	-4.89
11.7	1.63	40.3	40.2	4.05	-4.73
11.75	1.48	37.7	37.6	3.95	-4.72
11.8	1.42	36.7	36.7	3.88	-4.59
11.85	1.38	37	36.9	3.74	-4.6
11.9	1.55	37.8	37.7	4.1	-4.67
11.95	1.51	37	36.9	4.08	-4.54
12	1.52	38	37.9	4	-4.42
12.05	1.33	35.2	35.1	3.78	-4.51
12.1	1.18	33.1	33	3.59	-4.42
12.15	1.15	33.6	33.6	3.42	-4.3
12.2	1.29	36.2	36.1	3.58	-4.18
12.25	1.35	38.2	38.2	3.54	-4.4
12.3	1.39	38.8	38.8	3.59	-4.31
12.35	1.65	39.8	39.7	4.15	-4.34
12.4	1.82	41.2	41.1	4.42	-4.6
12.45	1.95	40.7	40.6	4.81	-4.62
12.5	1.91	36.7	36.6	5.21	-4.47
12.55	1.6	37.4	37.4	4.29	-4.21
12.6	1.54	39.6	39.6	3.9	-4.02
12.65	1.65	43.4	43.3	3.81	-4.02
12.7	1.97	45.3	45.2	4.35	-4.06
12.75	2.04	46.9	46.9	4.36	-3.93
12.8	2.07	42.5	42.4	4.89	-4.03
12.85	2.18	39.8	39.7	5.49	-3.73
12.9	2.29	60.4	60.3	3.81	-3.79
12.95	2.47	57.7	57.7	4.29	-3.51
13	2.86	63.3	63.2	4.52	-3.04
13.05	2.47	54.2	54.1	4.57	-3.2
13.1	2.92	57.7	57.7	5.07	-2.68
13.15	3.58	66.4	66.3	5.39	-2.9
13.2	3.82	69.6	69.5	5.49	-3.05
13.25	3.52	66.2	66.2	5.31	-2.67
13.3	3.95	71	71	5.56	-2.3
13.35	4.52	91.7	91.7	4.93	-1.93
13.4	4.03	78.4	78.4	5.14	-3.75
13.45	2.97	45.3	45.3	6.57	-3.16
13.5	1.55	37.2	37.1	4.17	-2.36
13.55	1.19	34.5	34.5	3.46	-2.28
13.6	1.13	32.9	32.9	3.45	-2.32
13.65	1.06	32.5	32.5	3.25	-2.35
13.7	1.03	31.4	31.4	3.28	-2.25
13.75	1.12	32.1	32.1	3.5	-2.34
13.8	1.22	32.9	32.9	3.7	-2.35
13.85	1.3	33.1	33.1	3.91	-2.5
13.9	1.4	34.4	34.4	4.06	-2.48
13.95	1.43	35.3	35.3	4.05	-2.34

14	1.47	35.3	35.3	4.15	-2.26
14.05	1.41	36.1	36	3.92	-2.17
14.1	1.34	35.9	35.9	3.74	-2.36
14.15	1.3	34.8	34.7	3.74	-2.15
14.2	1.28	35.7	35.7	3.58	-2.17
14.25	1.35	37.5	37.5	3.6	-2.11
14.3	1.46	40.3	40.2	3.62	-2.13
14.35	1.62	41.8	41.8	3.86	-1.91
14.4	1.89	45	45	4.21	-1.59
14.45	2.31	54.4	54.4	4.25	-1.51
14.5	3.04	75.1	75.1	4.05	-1
14.55	3.3	80.6	80.6	4.09	-1.72
14.6	2.98	65.4	65.4	4.56	-1.15
14.65	2.63	58.8	58.8	4.47	-0.58
14.7	3.11	73	73	4.26	-0.36
14.75	3.13	67.4	67.4	4.65	-1.39
14.8	2.71	52.4	52.4	5.17	-1.52
14.85	2.03	42	41.9	4.84	-0.83
14.9	1.55	39.4	39.4	3.94	-0.43
14.95	1.48	42.5	42.5	3.48	-0.01
15	1.54	45.1	45.1	3.42	-0.1
15.05	1.68	47.7	47.7	3.53	-0.32
15.1	1.64	50.7	50.7	3.23	0.06
15.15	1.84	48	48	3.84	-0.21
15.2	1.94	51	51	3.81	-0.31
15.25	2.15	59.1	59.1	3.64	-0.2
15.3	3.5	66	66	5.31	0.42
15.35	5.05	161.8	161.8	3.12	2.05
15.4	6.57	282.1	282.1	2.33	-1.77
15.45	5	250.9	250.8	1.99	-3.98
15.5	3.58	119.3	119.3	3	-4.75
15.55	2.98	70.7	70.6	4.22	-4.57
15.6	2.33	49	48.9	4.76	-5.73
15.65	1.4	42.4	42.3	3.31	-5.63
15.7	1.18	39.3	39.2	3.01	-5.57
15.75	1.1	37.1	37	2.98	-5.78
15.8	1.01	36.3	36.2	2.79	-5.88
15.85	0.99	39.9	39.9	2.48	-5.53
15.9	1.12	45	44.9	2.5	-5.71
15.95	1.43	48.2	48.1	2.96	-5.62
16	1.96	48.7	48.6	4.03	-5.4
16.05	2.32	51.6	51.6	4.5	-5.14
16.1	2.2	59.2	59.2	3.71	-4.93
16.15	1.95	42.2	42.1	4.63	-4.8
16.2	1.51	36.8	36.7	4.11	-4.58
16.25	1.22	35.6	35.5	3.45	-4.62
16.3	1.33	37.1	37	3.59	-4.71

16.35	1.39	41.1	41	3.39	-4.54
16.4	1.48	39.1	39	3.78	-4.54
16.45	1.45	35.2	35.1	4.13	-4.38
16.5	1.31	32.5	32.4	4.05	-4.36
16.55	1.16	31.3	31.2	3.73	-4.3
16.6	1.13	31.9	31.8	3.56	-4.38
16.65	1.33	31.9	31.9	4.18	-4.4
16.7	1.84	36.9	36.8	5	-4.6
16.75	2.23	56.7	56.6	3.94	-4.23
16.8	2.33	46.7	46.6	4.99	-4.35
16.85	2	37.1	37	5.41	-4.39
16.9	1.46	37.8	37.7	3.87	-3.61
16.95	1.25	39.7	39.7	3.15	-3.79
17	1.31	40.6	40.6	3.23	-3.88
17.05	1.48	41.4	41.3	3.58	-3.7
17.1	1.55	40.8	40.8	3.81	-4.07
17.15	1.54	40.2	40.1	3.84	-3.51
17.2	1.48	38.1	38.1	3.89	-3.9
17.25	1.37	37.2	37.1	3.69	-3.89
17.3	1.35	36.5	36.5	3.7	-3.73
17.35	1.25	36	35.9	3.48	-3.6
17.4	1.28	36.5	36.4	3.5	-3.25
17.45	1.32	35.5	35.5	3.72	-3.88
17.5	1.3	33.7	33.6	3.87	-3.94
17.55	1.17	32.2	32.1	3.64	-3.75
17.6	1.1	32.5	32.4	3.39	-3.66
17.65	1.1	33.1	33	3.32	-3.59
17.7	1.2	34.2	34.1	3.52	-3.34
17.75	1.26	35.4	35.4	3.56	-3.63
17.8	1.45	35.5	35.5	4.08	-3.76
17.85	1.46	35.1	35	4.18	-3.69
17.9	1.52	34.1	34.1	4.47	-3.81
17.95	1.42	34.1	34	4.17	-3.83
18	1.44	34.8	34.8	4.15	-3.54
18.05	1.47	34.3	34.3	4.29	-3.83
18.1	1.45	33.3	33.3	4.34	-3.66
18.15	1.28	31.7	31.7	4.05	-3.71
18.2	1.16	29.7	29.6	3.92	-3.47
18.25	0.98	30.4	30.4	3.24	-3.58
18.3	0.88	32.3	32.3	2.72	-3.64
18.35	0.87	35.7	35.7	2.44	-3.36
18.4	0.97	38.7	38.7	2.51	-3.37
18.45	0.97	37	36.9	2.63	-3.51
18.5	1.16	37.8	37.8	3.08	-3.25
18.55	1.4	41.7	41.7	3.36	-3.1
18.6	1.61	42.4	42.4	3.79	-3.44
18.65	1.72	42.7	42.7	4.04	-3.17

18.7	1.73	42.4	42.4	4.09	-3.45
18.75	1.82	42.7	42.7	4.26	-3.4
18.8	1.89	42.9	42.8	4.42	-3.38
18.85	1.94	43.1	43	4.5	-3.17
18.9	2.02	42.7	42.7	4.73	-3.39
18.95	1.98	42.7	42.7	4.63	-3.45
19	1.81	41.1	41.1	4.41	-3.45
19.05	1.73	40.9	40.9	4.22	-2.99
19.1	1.55	40	40	3.87	-3.17
19.15	1.55	39.5	39.4	3.92	-3.07
19.2	1.59	40.1	40	3.97	-3.31
19.25	1.65	40	40	4.12	-3.17
19.3	1.7	44.2	44.1	3.86	-3.24
19.35	1.7	43.1	43	3.96	-3.07
19.4	1.7	45	45	3.79	-2.78
19.45	1.86	49.9	49.9	3.72	-2.69
19.5	2.02	56.8	56.8	3.56	-2.94
19.55	2.18	52.1	52.1	4.18	-2.98
19.6	1.97	45.6	45.6	4.33	-2.86
19.65	1.87	44.8	44.8	4.17	-2.4
19.7	1.68	44.9	44.9	3.73	-2.75
19.75	1.76	47.6	47.6	3.71	-2.39
19.8	1.63	43.8	43.8	3.73	-2.66
19.85	1.56	41.7	41.6	3.74	-2.61
19.9	1.79	48.5	48.5	3.69	-2.13
19.95	1.96	54.4	54.3	3.61	-2.41
20	3.03	68	68	4.45	-1.79
20.05	4.38	173.4	173.4	2.53	-1.38
20.1	5.68	313.3	313.2	1.81	-3.57
20.15	5.57	415.1	415	1.34	-3.49
20.2	6.2	444.6	444.5	1.39	-4.67
20.25	6.84	429.6	429.5	1.59	-5.21
20.3	3.84	424.4	424.3	0.9	-6.22
20.35	6.26	407.8	407.8	1.54	-5.76
20.4	5.03	351.7	351.7	1.43	-5.72
20.45	6.95	353.9	353.8	1.96	-5.23
20.5	6.6	336.8	336.7	1.96	-5.74
20.55	8.69	302.9	302.8	2.87	-5.43
20.6	8.59	298.4	298.3	2.88	-5.23
20.65	3.62	302.2	302.1	1.2	-5.36
20.7	4.04	296.8	296.7	1.36	-4.62
20.75	7.32	326.4	326.4	2.24	-4.47
20.8	8.9	331.9	331.8	2.68	-4.75
20.85	6.61	320.1	320.1	2.07	-4.8
20.9	7.85	290.4	290.4	2.7	-4.86
20.95	9.8	238.5	238.4	4.11	-5.42
21	5.18	163.4	163.3	3.17	-5.43

21.05	4.28	85	84.9	5.04	-5.58
21.1	3.26	55.2	55.1	5.91	-4.38
21.15	2.77	51.9	51.9	5.35	-3.95
21.2	2.46	50.9	50.9	4.83	-3.84
21.25	2.16	50.6	50.6	4.28	-3.66
21.3	1.93	50.9	50.9	3.8	-3.79
21.35	1.93	49.9	49.8	3.88	-3.76
21.4	2.23	47.9	47.9	4.66	-3.76
21.45	2.45	47.1	47	5.22	-3.77
21.5	2.47	47	46.9	5.26	-3.77
21.55	2.6	47.8	47.8	5.45	-4.16
21.6	3.22	51.5	51.4	6.26	-3.88
21.65	4.03	63.4	63.4	6.36	-4.18
21.7	5.24	80.1	80.1	6.55	-4.17
21.75	6.31	93.9	93.8	6.73	-4.61
21.8	7.26	97.7	97.6	7.44	-4.65
21.85	6.81	89.6	89.5	7.61	-4.56
21.9	6.01	74.3	74.3	8.09	-3.99
21.95	6.28	90	89.9	6.98	-3.24
22	7.58	129.8	129.8	5.84	-3.98
22.05	7.62	132.9	132.9	5.73	-4.72
22.1	7.89	130.6	130.5	6.04	-4.42
22.15	7.35	97.6	97.6	7.53	-4.73
22.2	6.03	77.7	77.6	7.77	-3.99
22.25	4.44	64.1	64	6.94	-3.76
22.3	3.11	59.9	59.9	5.19	-3.51
22.35	2.67	58.6	58.5	4.55	-3.52
22.4	2.63	58.4	58.4	4.51	-3.66
22.45	2.69	61	60.9	4.41	-3.49
22.5	2.63	57.7	57.6	4.57	-3.72
22.55	2.46	56.4	56.3	4.37	-3.51
22.6	2.31	56.6	56.6	4.07	-3.49
22.65	2.37	55.7	55.7	4.25	-3.34
22.7	2.71	55	55	4.92	-3.25
22.75	2.58	56.2	56.2	4.6	-3.24
22.8	0	57	57	0	-3.13
22.85	0	54.4	54.4	0	-3.24

Depth (m)	Sleeve (tsf)	Tip(unc) (tsf)	Tip(cor) (tsf)	F. Ratio (%)	U (psi)
0.05	0	29.2	29.2	0	0.08
0.1	3.63	137.5	137.5	2.64	0.97
0.15	5.48	226.1	226.2	2.42	1.58
0.2	6.31	235.5	235.5	2.68	1.57
0.25	4.91	181.5	181.6	2.71	2.5
0.3	3.85	131.5	131.5	2.93	0.12
0.35	3.45	96.2	96.2	3.59	0.64
0.4	2.64	78.7	78.7	3.35	1.7
0.45	2.09	70.4	70.4	2.97	0.79
0.5	1.83	62.1	62.1	2.96	0.57
0.55	1.85	50.9	50.9	3.64	0.47
0.6	1.72	52.2	52.2	3.29	0.35
0.65	1.71	67.3	67.3	2.54	0.33
0.7	1.93	84.8	84.8	2.27	1.33
0.75	2.12	65.1	65.1	3.26	0.66
0.8	1.82	54.3	54.3	3.35	0.22
0.85	1.86	63.4	63.4	2.94	0.17
0.9	1.63	58.5	58.5	2.78	0.49
0.95	1.24	45.9	45.9	2.71	-0.08
1	0.83	37.5	37.5	2.22	0.36
1.05	0.57	29.8	29.8	1.91	0
1.1	0.4	26.8	26.8	1.51	-0.1
1.15	0.38	27.8	27.8	1.38	0.13
1.2	0.46	36	36	1.28	-0.02
1.25	0.6	42.7	42.7	1.4	0.21
1.3	0.67	46.3	46.3	1.45	-0.14
1.35	0.81	49.9	49.9	1.63	0.21
1.4	0.89	53.3	53.3	1.67	0.09
1.45	1.02	56.1	56.1	1.83	0.16
1.5	1.35	60.3	60.3	2.25	0.25
1.55	2.21	67.1	67.1	3.29	0.53
1.6	3.36	72.7	72.7	4.62	0.78
1.65	4.32	69.1	69.1	6.25	0.46
1.7	4.54	63	63	7.21	-0.06
1.75	4.56	59.4	59.4	7.69	-0.56
1.8	4.39	57.3	57.3	7.65	-1.16
1.85	4.21	55.3	55.3	7.61	-1.92
1.9	4.12	56.4	56.4	7.29	-1.54
1.95	4.16	56.8	56.8	7.32	-1.73
2	4.21	59.1	59.1	7.13	-1.68
2.05	4.5	59.7	59.6	7.54	-1.89
2.1	4.62	61.5	61.4	7.52	-1.97
2.15	4.8	62.7	62.7	7.65	-2.06
2.2	5.02	64.9	64.9	7.73	-2.09

2.25	4.9	64.8	64.8	7.55	-1.91
2.3	4.36	57.9	57.9	7.54	-1.9
2.35	3.57	48.8	48.8	7.31	-1.38
2.4	3.03	43.3	43.3	6.99	-0.76
2.45	2.86	43.2	43.2	6.63	-1.03
2.5	3	48.3	48.3	6.21	-0.67
2.55	3.09	53	52.9	5.84	-0.92
2.6	2.98	55.2	55.2	5.4	-0.84
2.65	2.99	58.8	58.8	5.08	-0.64
2.7	3.17	59.7	59.7	5.3	-0.42
2.75	2.98	58.8	58.8	5.06	-0.62
2.8	2.81	58.5	58.5	4.8	-0.46
2.85	2.81	58.3	58.3	4.81	-0.59
2.9	2.87	55.6	55.6	5.17	-0.56
2.95	3	53.4	53.4	5.62	-0.72
3	2.83	53	53	5.33	-0.86
3.05	2.59	53.8	53.8	4.81	-0.55
3.1	2.48	53.5	53.5	4.64	-0.46
3.15	2.48	50.5	50.5	4.92	-0.45
3.2	2.48	50.3	50.3	4.92	-0.49
3.25	2.17	53.1	53.1	4.08	-0.28
3.3	1.78	49.4	49.4	3.6	-0.57
3.35	1.47	47.4	47.4	3.1	-1.14
3.4	1.35	49.2	49.2	2.74	-0.9
3.45	1.36	50	50	2.71	-0.6
3.5	1.42	51.2	51.2	2.78	-0.5
3.55	1.32	54.2	54.2	2.43	-0.52
3.6	1.38	58.1	58.1	2.38	-0.62
3.65	1.36	63.4	63.4	2.15	-0.35
3.7	1.34	70.4	70.4	1.9	-0.2
3.75	1.42	77.7	77.7	1.83	-0.16
3.8	1.55	82.3	82.2	1.89	-0.38
3.85	1.58	88.1	88.1	1.79	-0.27
3.9	1.65	94.8	94.8	1.74	-0.38
3.95	1.63	94.6	94.6	1.73	-0.16
4	1.64	90.8	90.8	1.8	-0.33
4.05	1.63	88.5	88.5	1.84	-0.22
4.1	1.6	77.6	77.6	2.06	-0.72
4.15	1.41	59.8	59.8	2.36	-0.44
4.2	1.64	49	49	3.34	-0.32
4.25	1.96	54.6	54.6	3.59	-0.28
4.3	1.87	67.9	67.9	2.75	0.07
4.35	1.44	72.8	72.8	1.97	0.23
4.4	1.21	75.9	75.9	1.6	-0.28
4.45	1.27	73.2	73.2	1.74	-0.48
4.5	1.03	60.5	60.5	1.7	-0.5
4.55	0.96	49.8	49.8	1.92	-0.52

4.6	0.98	44.1	44.1	2.22	-0.09
4.65	1.07	43.5	43.5	2.46	0.31
4.7	1.16	42.7	42.7	2.7	0.27
4.75	1.1	43.6	43.6	2.53	0.4
4.8	0.98	44.3	44.3	2.22	0.09
4.85	0.86	47.4	47.4	1.82	0.14
4.9	0.76	45.5	45.5	1.66	0.54
4.95	0.84	52.2	52.2	1.6	0.22
5	0.84	71.5	71.5	1.17	0.29
5.05	0.74	84.5	84.5	0.88	0.27
5.1	0.77	84.6	84.6	0.91	0.01
5.15	0.9	76.9	76.9	1.17	0
5.2	1.05	66.3	66.3	1.58	0.1
5.25	1.25	57.6	57.6	2.17	-0.13
5.3	1.48	56.5	56.5	2.63	-0.13
5.35	1.6	56.1	56.1	2.86	-0.37
5.4	1.38	51.1	51.1	2.7	-0.08
5.45	1.2	42.3	42.3	2.85	-0.34
5.5	1.07	37.6	37.6	2.84	-0.39
5.55	1.07	37.1	37.1	2.88	-0.38
5.6	1.1	42.7	42.7	2.58	-0.11
5.65	1.34	48	48	2.79	0.07
5.7	1.4	49.5	49.5	2.84	-0.37
5.75	1.42	44	44	3.22	-0.17
5.8	1.31	44.6	44.6	2.93	0.06
5.85	1.08	48.4	48.4	2.23	-0.1
5.9	0.99	55.6	55.6	1.78	-0.12
5.95	1.26	63	63	2	0.25
6	1.21	70.1	70.1	1.72	0.68
6.05	1.27	59.2	59.2	2.14	0.41
6.1	1.27	57.8	57.8	2.2	-0.02
6.15	1.43	56	56	2.56	-0.07
6.2	1.37	55.6	55.6	2.47	-0.06
6.25	1.26	58	58	2.18	0.02
6.3	1.26	66.4	66.4	1.9	-0.03
6.35	1.89	77.4	77.4	2.45	-0.02
6.4	1.95	76.7	76.7	2.54	-0.1
6.45	1.76	55.9	55.9	3.15	0.46
6.5	1.27	45.3	45.3	2.8	0.25
6.55	1.08	41.8	41.8	2.59	-0.08
6.6	0.97	40.9	40.9	2.37	-0.24
6.65	0.94	43	43	2.19	0.24
6.7	0.86	43.9	43.9	1.96	-0.03
6.75	0.84	45.3	45.3	1.85	0.15
6.8	0.82	45.1	45.1	1.81	-0.67
6.85	0.82	46.4	46.4	1.76	0.09
6.9	0.87	44.6	44.6	1.94	-0.03

6.95	0.84	42.8	42.8	1.96	-0.06
7	0.82	40.6	40.6	2.01	0.12
7.05	0.89	38.7	38.7	2.29	-0.25
7.1	0.93	36.5	36.5	2.56	-0.06
7.15	0.96	34.9	34.9	2.75	0.3
7.2	0.86	36.2	36.2	2.38	0.22
7.25	0.78	38.6	38.6	2.03	-0.14
7.3	0.82	40.6	40.6	2.02	0.35
7.35	0.99	36.1	36.1	2.74	-0.43
7.4	1.08	36.6	36.6	2.95	0.6
7.45	0.99	33	33	3.01	0.19
7.5	0.86	33.7	33.8	2.54	0.45
7.55	0.75	33.5	33.5	2.23	0.05
7.6	0.74	36.9	36.9	2.02	0.18
7.65	0.73	40.5	40.5	1.81	0.07
7.7	0.87	44.4	44.4	1.96	0.11
7.75	1.14	46.6	46.6	2.44	-0.62
7.8	1.31	46	46	2.85	0.21
7.85	1.51	46.3	46.3	3.26	0.4
7.9	1.53	46.8	46.8	3.27	0.23
7.95	1.44	48.7	48.7	2.95	0.19
8	1.36	53.8	53.8	2.53	0.87
8.05	1.25	53	53	2.36	0.21
8.1	1.22	52.7	52.7	2.32	0.07
8.15	1.24	50.6	50.6	2.45	-0.18
8.2	1.43	49.8	49.8	2.88	0.05
8.25	1.44	45.2	45.2	3.18	-0.11
8.3	1.64	44.6	44.6	3.68	1.1
8.35	1.63	35.5	35.5	4.6	0.04
8.4	1.46	27.6	27.6	5.28	0.43
8.45	1.14	25.2	25.2	4.52	1.08
8.5	1.03	24.5	24.6	4.18	1.81
8.55	0.89	22.1	22.1	4.04	0.57
8.6	0.77	19.8	19.8	3.87	0.5
8.65	0.6	16.4	16.4	3.67	0.85
8.7	0.46	15.4	15.5	3.01	1.39
8.75	0.4	11.4	11.4	3.46	0.56
8.8	0.29	10.5	10.5	2.76	1.14
8.85	0.22	10.3	10.3	2.18	1.38
8.9	0.21	9.2	9.2	2.26	0.53
8.95	0.28	10.1	10.2	2.73	0.63
9	0.31	11.5	11.5	2.73	0.7
9.05	0.34	15.2	15.2	2.25	2.38
9.1	0.35	14.2	14.2	2.45	1.73
9.15	0.36	12.2	12.2	2.92	0.86
9.2	0.38	12.8	12.9	2.96	1.15
9.25	0.4	14.3	14.3	2.78	1.14

9.3	0.36	14.5	14.5	2.5	1.27
9.35	0.26	13.5	13.6	1.92	1.52
9.4	0.22	13.4	13.4	1.65	1.82
9.45	0.16	14	14	1.14	1.54
9.5	0.19	16.1	16.1	1.16	2.09
9.55	0.23	17.5	17.5	1.31	1.71
9.6	0.27	19.2	19.2	1.4	2.09
9.65	0.3	20.8	20.8	1.46	2.12
9.7	0.4	22.2	22.3	1.79	2.68
9.75	0.47	22.5	22.6	2.06	2.59
9.8	0.57	24.9	25	2.27	2.93
9.85	0.6	25.8	25.8	2.34	2.67
9.9	0.61	26.4	26.5	2.31	3.04
9.95	0.62	25.3	25.4	2.46	2.53
10	0.79	28.3	28.3	2.8	2.87
10.05	1.17	31.6	31.7	3.7	3.35
10.1	1.85	40	40.1	4.62	3.34
10.15	1.91	42.8	42.9	4.45	3.1
10.2	1.86	35.5	35.5	5.24	3.28
10.25	1.41	29.2	29.2	4.83	3.11
10.3	1.02	24.3	24.3	4.2	3.04
10.35	0.8	20.8	20.9	3.81	3.22
10.4	0.67	19.3	19.4	3.45	3.1
10.45	0.83	21	21	3.93	3.33
10.5	0.77	23.4	23.4	3.28	2.5
10.55	0.75	18.2	18.2	4.11	2.71
10.6	0.66	19.1	19.1	3.43	2.9
10.65	0.69	20.2	20.3	3.39	2.67
10.7	0.79	23.3	23.3	3.4	3.47
10.75	0.86	23.4	23.5	3.65	3.28
10.8	0.81	25.3	25.3	3.19	3.56
10.85	0.64	26.6	26.7	2.4	3.84
10.9	0.63	28	28.1	2.24	4.39
10.95	0.62	30.7	30.8	2	4.29
11	1.05	28.4	28.4	3.68	3.89
11.05	1.04	32	32.1	3.25	4.28
11.1	1.09	32	32.1	3.39	4.14
11.15	1.02	36.5	36.6	2.79	4.54
11.2	0.81	33.9	33.9	2.38	4.08
11.25	0.77	28	28.1	2.74	4.28
11.3	0.73	27.9	28	2.62	4.38
11.35	0.86	29.1	29.1	2.96	4.11
11.4	0.87	30.3	30.4	2.86	4.13
11.45	0.62	25.6	25.7	2.4	4.18
11.5	0.47	20.8	20.8	2.25	3.97
11.55	0.47	18.9	19	2.45	4.03
11.6	0.54	23.5	23.6	2.27	4.07

11.65	0.69	23.8	23.8	2.88	4.16
11.7	0.88	25.8	25.8	3.42	4.04
11.75	0.96	31.4	31.5	3.06	3.86
11.8	1.29	28	28.1	4.6	3.7
11.85	1.49	31.9	32	4.64	4.01
11.9	2.09	43.8	43.8	4.76	4.45
11.95	3.16	56.8	56.9	5.56	4.02
12	3.36	58.4	58.4	5.75	3.38
12.05	3.17	47	47.1	6.74	3.78
12.1	3.37	56.4	56.5	5.97	4.76
12.15	4.65	82.8	82.9	5.61	4.26
12.2	4.82	101.3	101.4	4.76	4.2
12.25	5.84	133	133	4.39	5.05
12.3	7.38	292.9	293	2.52	5
12.35	6.31	411.3	411.3	1.53	4.67
12.4	7.83	426.4	426.5	1.84	5.11
12.45	7.98	415.6	415.7	1.92	5.06
12.5	7.01	398.3	398.3	1.76	4.77
12.55	6.48	314.8	314.8	2.06	3.37
12.6	5.82	211.7	211.7	2.75	1.66
12.65	5.57	112.5	112.5	4.95	1.92
12.7	4.07	63.5	63.6	6.4	3.59
12.75	3.39	64	64.1	5.29	4.89
12.8	2.97	78.8	78.9	3.76	4.08
12.85	3.48	64.9	65	5.35	4.67
12.9	4.46	86.8	86.8	5.13	4.73
12.95	6.29	110.3	110.4	5.7	3.96
13	7.41	158.8	158.9	4.66	6.58
13.05	8.46	250.4	250.5	3.38	5.52
13.1	7.35	267.8	267.9	2.75	4.05
13.15	8.72	222.1	222.2	3.92	2.95
13.2	7.69	153.7	153.8	5	4.75
13.25	7.54	211.6	211.8	3.56	11.86
13.3	6.2	151	151	4.11	3.1
13.35	3.9	78	78.1	5	3.52
13.4	2.28	44.9	45	5.07	4.55
13.45	0.99	42.7	42.7	2.31	4.7
13.5	0.86	44	44.1	1.95	4.92
13.55	0.93	45.2	45.3	2.05	4.77
13.6	0.97	47.8	47.9	2.03	4.68
13.65	1.07	50.3	50.4	2.13	4.87
13.7	1.09	51.1	51.2	2.13	4.41
13.75	1.12	51	51.1	2.2	4.35
13.8	1.15	49.6	49.6	2.31	4.12
13.85	1.16	48	48	2.41	4.1
13.9	1.15	47.9	47.9	2.41	4.72
13.95	1.16	46.7	46.8	2.48	4.61

14	1.16	45.5	45.6	2.55	4.53
14.05	1.26	44.8	44.8	2.8	4.49
14.1	1.6	44.6	44.6	3.58	4.35
14.15	1.7	46.3	46.4	3.67	4.54
14.2	1.53	45.6	45.7	3.35	4.74
14.25	1.48	40.7	40.8	3.62	5.35
14.3	1.32	40	40.1	3.3	5.16
14.35	1.2	39.6	39.7	3.02	4.97
14.4	1.05	37.8	37.8	2.79	4.87
14.45	1.38	38.4	38.5	3.59	4.98
14.5	1.58	41.9	42	3.76	5.16
14.55	1.59	39.8	39.9	3.98	5.54
14.6	1.58	36.2	36.3	4.36	6.35
14.65	1.4	37.5	37.6	3.73	6.23
14.7	1.4	39.9	40	3.51	6.12
14.75	1.3	38.3	38.4	3.39	6.06
14.8	1.22	36.4	36.4	3.35	5.98
14.85	1.2	35.6	35.6	3.36	5.97
14.9	1.34	37.8	37.9	3.54	6.04
14.95	1.56	47.3	47.4	3.28	6.5
15	1.58	48.7	48.7	3.24	5.91
15.05	1.85	52.9	53	3.49	6.69
15.1	1.78	51.4	51.5	3.45	6.23
15.15	2.4	50.2	50.3	4.76	6.67
15.2	2.74	77	77.1	3.56	6.98
15.25	3.45	83.5	83.6	4.13	7.15
15.3	3.44	89.6	89.7	3.84	5.87
15.35	3.77	74.1	74.2	5.08	7.02
15.4	3.03	75.4	75.5	4.01	6.33
15.45	2.59	58.3	58.4	4.43	7.34
15.5	1.86	44	44.1	4.21	6.66
15.55	1.51	37	37.1	4.07	7.04
15.6	1.24	35.3	35.4	3.5	7.02
15.65	1.56	41.3	41.4	3.77	7.54
15.7	1.71	52.6	52.7	3.25	7.04
15.75	1.86	51.8	51.9	3.59	7
15.8	1.73	45.5	45.6	3.79	7.55
15.85	1.92	46.6	46.7	4.11	7.89
15.9	3.75	71.7	71.8	5.23	8.42
15.95	5.59	156.1	156.2	3.58	7.74
16	6.62	250.2	250.3	2.65	7.83
16.05	6.44	323.6	323.7	1.99	6.94
16.1	6.73	298.3	298.4	2.26	5.6
16.15	8.11	230.4	230.5	3.52	5.94
16.2	6.65	141.7	141.8	4.69	4.51
16.25	4.47	72.6	72.6	6.16	4.75
16.3	2.92	53.6	53.7	5.44	5.74

16.35	1.66	47.2	47.3	3.51	6.16
16.4	1.29	41.6	41.7	3.09	6.08
16.45	1.13	39.6	39.7	2.85	6.2
16.5	1.08	39.2	39.3	2.74	6.17
16.55	1.23	39.6	39.7	3.09	5.9
16.6	1.78	42.9	43	4.15	6.12
16.65	1.9	46.5	46.6	4.08	6.21
16.7	1.84	40.3	40.4	4.54	6.76
16.75	1.58	37.9	38	4.17	7.21
16.8	1.38	36.5	36.6	3.77	7.26
16.85	1.35	37.4	37.5	3.59	7.1
16.9	1.44	37.8	37.9	3.8	7.15
16.95	1.5	38.4	38.5	3.9	7.44
17	1.61	36.3	36.4	4.41	7.2
17.05	1.51	41.7	41.8	3.62	7.86
17.1	1.47	40.1	40.2	3.65	7.79
17.15	1.39	35.6	35.7	3.88	7.36
17.2	1.21	32.5	32.6	3.71	7.8
17.25	1.03	31.9	32	3.2	7.3
17.3	1.05	33.8	33.9	3.1	7.33
17.35	1.08	35.1	35.2	3.07	7.32
17.4	1.12	34.6	34.7	3.22	7.36
17.45	1.08	33.8	33.9	3.17	7.38
17.5	0.96	32	32.1	2.99	7.61
17.55	0.91	30.7	30.8	2.96	7.3
17.6	0.93	30.9	31	3	7.29
17.65	0.94	33.3	33.4	2.82	7.62
17.7	1.06	33.7	33.8	3.13	7.55
17.75	1.11	34.6	34.7	3.19	7.62
17.8	1.19	35.5	35.6	3.34	7.55
17.85	1.22	35.5	35.6	3.42	7.64
17.9	1.24	35	35.1	3.52	7.21
17.95	1.25	34.5	34.6	3.61	7.46
18	1.2	32.9	33	3.65	7.57
18.05	1.19	31.9	32	3.73	7.65
18.1	1.18	32	32.1	3.69	7.26
18.15	1.19	32.2	32.3	3.69	7.49
18.2	1.16	32.3	32.4	3.56	7.42
18.25	1.02	32	32.2	3.19	7.62
18.3	1	31.3	31.4	3.18	7.81
18.35	1.04	30.3	30.4	3.42	6.93
18.4	1.07	30.3	30.4	3.52	7.72
18.45	1.08	29.7	29.8	3.61	7.75
18.5	1.11	29.6	29.8	3.72	7.58
18.55	1.05	29.8	29.9	3.5	7.92
18.6	1.05	29.2	29.3	3.57	7.66
18.65	1.01	29	29.1	3.47	7.8

18.7	1.01	29.8	29.9	3.38	7.67
18.75	0.99	29.4	29.5	3.37	7.7
18.8	1.01	29.3	29.5	3.44	8.06
18.85	1.03	29.8	29.9	3.43	7.82
18.9	1.12	30.9	31	3.6	7.87
18.95	1.16	31.7	31.8	3.65	7.84
19	1.17	31.7	31.8	3.67	7.87
19.05	1.07	32	32.1	3.34	7.86
19.1	1.04	33.7	33.9	3.07	8.23
19.15	1.02	35.1	35.2	2.88	8.33
19.2	1.05	36	36.1	2.91	8.24
19.25	1.13	39.4	39.5	2.86	8.68
19.3	1.27	43.3	43.4	2.92	8.65
19.35	1.4	48.4	48.5	2.88	8.69
19.4	1.45	50.9	51	2.85	8.65
19.45	1.45	45.1	45.3	3.2	8.57
19.5	1.55	44.6	44.8	3.47	9.11
19.55	1.6	42.4	42.5	3.77	8.99
19.6	2.46	64.5	64.6	3.81	9.85
19.65	2.42	60.2	60.3	4.01	6.71
19.7	2.07	42.5	42.6	4.86	8.62
19.75	1.67	36.8	36.9	4.53	9.46
19.8	1.57	35.9	36	4.36	9.69
19.85	1.63	34.9	35.1	4.65	10.14
19.9	1.61	40.4	40.6	3.96	11.02
19.95	1.52	41.1	41.3	3.67	10.93
20	1.41	44.6	44.7	3.16	11.43
20.05	1.39	47.8	47.9	2.91	11.03
20.1	1.32	50.7	50.8	2.6	10.95
20.15	1.3	47.9	48	2.7	10.92
20.2	1.36	46.2	46.3	2.93	10.83
20.25	1.4	46.8	46.9	2.99	10.84
20.3	1.53	52.4	52.6	2.92	10.85
20.35	1.62	50.8	50.9	3.18	10.83
20.4	1.56	47.8	47.9	3.26	11.1
20.45	1.58	46.5	46.7	3.38	11.16
20.5	1.75	46.5	46.6	3.76	10.83
20.55	2.04	50.5	50.6	4.03	10.78
20.6	2.27	55	55.2	4.12	10.48
20.65	2.33	50	50.1	4.64	10.64
20.7	2.23	48.7	48.9	4.56	11.04
20.75	2.2	50.3	50.5	4.36	10.98
20.8	2.19	48.3	48.5	4.53	10.94
20.85	2.15	49.7	49.8	4.31	11.29
20.9	2.05	48.3	48.5	4.23	11.21
20.95	1.96	47.8	47.9	4.1	11.18
21	1.94	48.6	48.8	3.98	11.57

21.05	1.97	46.4	46.6	4.23	11.07
21.1	1.94	44.7	44.9	4.33	11.17
21.15	1.9	44.1	44.2	4.29	11.26
21.2	1.8	42.8	43	4.2	11.27
21.25	1.63	43.1	43.3	3.76	11.54
21.3	1.58	42.7	42.9	3.68	11.52
21.35	1.59	42.8	43	3.69	11.85
21.4	1.55	43.9	44.1	3.52	11.63
21.45	1.72	45.5	45.7	3.76	11.71
21.5	2.02	48.1	48.3	4.18	11.9
21.55	3.28	72.4	72.5	4.53	13.04
21.6	5.44	118	118.1	4.61	11.98
21.65	5.54	132.4	132.5	4.18	10.44
21.7	4.28	117.6	117.8	3.63	12.12
21.75	5.16	144.5	144.8	3.56	16.42
21.8	6.61	138.2	138.4	4.77	12.56
21.85	6.48	115.9	116.1	5.58	9.28
21.9	4.97	75.9	76.1	6.53	12.23
21.95	3.19	60.5	60.7	5.27	11.39
22	2.29	44.5	44.7	5.12	11.82
22.05	1.54	38.8	39	3.96	12.01
22.1	1.26	36.4	36.6	3.43	12.56
22.15	1.15	34.5	34.7	3.32	12.07
22.2	1.25	35.1	35.3	3.55	12.16
22.25	1.81	39.1	39.3	4.6	12.72
22.3	2.47	64.8	65	3.79	13.44
22.35	2.25	63.6	63.8	3.53	11.73
22.4	2.5	49	49.2	5.08	13.05
22.45	3.23	90.7	90.9	3.55	14.31
22.5	3.62	157.4	157.5	2.3	10.4
22.55	4.35	141.2	141.3	3.08	10.03
22.6	3.52	81.2	81.3	4.33	9.05
22.65	3.11	54	54.1	5.74	11.48
22.7	2.42	48.5	48.6	4.96	12.92
22.75	1.94	50.3	50.5	3.84	13.83
22.8	0	50.2	50.4	0	14.13
22.85	0	49.3	49.5	0	13.31

Depth (m)	Sleeve (tsf)	Tip(unc) (tsf)	Tip(cor) (tsf)	F. Ratio (%)	U (psi)
0.05	0	32.8	32.8	0	-0.17
0.1	0.17	30.7	30.7	0.57	-0.04
0.15	0.14	22.3	22.3	0.61	-0.04
0.2	0.08	15.8	15.8	0.54	0.1
0.25	0.06	13.7	13.7	0.45	-0.1
0.3	0.06	14	14	0.45	-0.01
0.35	0.06	15.5	15.5	0.36	0.02
0.4	0.1	15.3	15.3	0.65	-0.18
0.45	0.11	16.4	16.4	0.65	-0.13
0.5	0.1	17.9	17.9	0.56	-0.18
0.55	0.26	23.9	23.9	1.07	-0.17
0.6	0.31	40.6	40.6	0.76	-0.13
0.65	0.47	79.9	79.9	0.59	0.16
0.7	0.53	81.2	81.2	0.65	-0.18
0.75	0.51	71.7	71.7	0.71	0.65
0.8	0.55	73.2	73.2	0.75	0.25
0.85	0.53	84.6	84.6	0.63	0.2
0.9	0.47	75.2	75.2	0.63	-0.28
0.95	0.48	72.8	72.8	0.66	0.03
1	0.57	64.2	64.2	0.89	-0.1
1.05	0.69	54.4	54.4	1.28	-0.27
1.1	0.53	44.9	44.9	1.17	-0.08
1.15	0.58	42.9	42.9	1.35	0.02
1.2	0.66	44.6	44.6	1.47	0.12
1.25	0.67	36.8	36.8	1.82	0.05
1.3	0.55	32.1	32.1	1.7	-0.11
1.35	0.5	35.7	35.7	1.39	-0.16
1.4	0.39	29.9	29.9	1.32	-0.12
1.45	0.48	30	30	1.6	-0.03
1.5	0.6	32.7	32.7	1.83	-0.28
1.55	0.75	48.5	48.5	1.54	0.39
1.6	1.47	68.3	68.3	2.15	-0.24
1.65	2.17	82.8	82.8	2.62	0.22
1.7	3.02	67.2	67.2	4.49	0.06
1.75	3.53	58.9	58.9	6	-1.79
1.8	3.52	59.5	59.5	5.91	-0.12
1.85	3.65	59.9	59.9	6.08	0.16
1.9	3.72	61.5	61.5	6.06	-0.1
1.95	3.77	62.4	62.4	6.04	0.08
2	3.86	63.4	63.4	6.09	-0.21
2.05	3.96	64.3	64.3	6.17	-0.77
2.1	4.03	65.5	65.5	6.15	-1.5
2.15	4.43	69.2	69.2	6.4	-1.72
2.2	4.86	79	79	6.15	-0.81

2.25	5.04	72.2	72.1	6.99	-0.43
2.3	4.8	73	73	6.57	-1.46
2.35	4.84	70.5	70.4	6.88	-2.1
2.4	4.73	65.1	65.1	7.28	-1.85
2.45	4.3	61.6	61.6	6.99	-1.46
2.5	4	57.7	57.6	6.94	-2.46
2.55	3.28	53.1	53	6.19	-2.88
2.6	3.09	48.8	48.8	6.33	-1.84
2.65	2.66	45	45	5.91	-1.04
2.7	2.25	43.1	43.1	5.23	-0.94
2.75	2.21	41.1	41.1	5.38	-0.75
2.8	2.09	39.7	39.7	5.28	-0.9
2.85	2.05	40.9	40.9	5.01	-0.76
2.9	1.9	44.7	44.7	4.25	-0.85
2.95	1.72	50	50	3.44	-0.64
3	1.52	52.6	52.6	2.89	-0.77
3.05	1.44	54.3	54.3	2.66	-0.61
3.1	1.4	53.9	53.9	2.6	-0.71
3.15	1.27	54	54	2.36	-0.54
3.2	1.15	54.6	54.6	2.1	-0.47
3.25	0.93	57.2	57.1	1.63	-0.53
3.3	0.91	59.7	59.7	1.53	-0.4
3.35	1.02	60.2	60.1	1.7	-0.56
3.4	1.13	61	61	1.86	-0.24
3.45	1.2	58.8	58.8	2.04	-0.1
3.5	1.11	55.5	55.5	1.99	-0.77
3.55	0.97	54.3	54.3	1.78	-0.59
3.6	0.94	57	57	1.64	-0.62
3.65	0.97	61.4	61.4	1.57	-0.54
3.7	0.94	59.1	59.1	1.59	-0.58
3.75	0.86	53.5	53.5	1.6	-0.59
3.8	0.87	50.4	50.4	1.72	-0.34
3.85	0.86	54.3	54.3	1.58	-0.46
3.9	0.96	61.2	61.2	1.57	-0.2
3.95	0.95	67.9	67.9	1.4	-0.65
4	0.97	73.7	73.7	1.31	-0.44
4.05	0.97	75.8	75.8	1.29	-0.59
4.1	1.02	74.5	74.5	1.37	-0.49
4.15	1	72.2	72.2	1.39	-0.6
4.2	0.96	70.8	70.8	1.36	-0.29
4.25	0.92	68.2	68.2	1.34	-0.45
4.3	0.9	64.7	64.7	1.39	-0.34
4.35	0.89	60.9	60.9	1.46	-0.43
4.4	0.84	56.9	56.9	1.48	-0.43
4.45	0.84	54.9	54.9	1.54	-0.34
4.5	0.84	51.7	51.7	1.62	-0.63
4.55	0.82	44.2	44.2	1.86	-0.4

4.6	0.73	38	38	1.93	-0.47
4.65	0.71	34.8	34.8	2.03	-0.64
4.7	0.7	35.6	35.6	1.96	-0.66
4.75	0.75	35.8	35.8	2.11	-0.66
4.8	0.72	37.3	37.3	1.94	-0.47
4.85	0.75	37.5	37.5	1.99	-0.62
4.9	0.72	39.2	39.2	1.83	-0.66
4.95	0.69	38.1	38.1	1.82	-0.39
5	0.72	36.5	36.5	1.97	-0.51
5.05	0.84	39	39	2.15	-0.57
5.1	0.9	42.2	42.2	2.13	-0.64
5.15	0.93	43.7	43.6	2.12	-0.53
5.2	0.86	45.5	45.5	1.89	-0.27
5.25	1.03	47.1	47	2.2	-0.49
5.3	1.12	50.1	50.1	2.25	-0.22
5.35	1.05	54.1	54.1	1.94	-0.32
5.4	0.96	52.7	52.7	1.82	-0.44
5.45	0.88	47.1	47.1	1.87	-0.39
5.5	0.82	43.5	43.5	1.9	-0.24
5.55	0.82	37.6	37.6	2.19	-0.63
5.6	0.83	39.1	39.1	2.11	-0.48
5.65	0.87	44	43.9	1.97	-0.45
5.7	0.97	47.9	47.9	2.02	-0.61
5.75	1.04	52	52	2.01	-0.49
5.8	1.12	51.8	51.8	2.17	-0.34
5.85	1.19	52.3	52.3	2.27	-0.22
5.9	1.24	52.6	52.6	2.35	-0.65
5.95	1.27	52.9	52.9	2.4	-0.64
6	1.3	52.6	52.6	2.47	-0.42
6.05	1.3	54.2	54.2	2.4	-0.62
6.1	1.41	55.9	55.9	2.52	-0.52
6.15	1.37	61.3	61.3	2.24	-0.33
6.2	1.41	60.8	60.8	2.32	-0.27
6.25	1.41	63.5	63.5	2.23	-0.41
6.3	1.34	67.3	67.3	1.99	-0.44
6.35	1.4	65.6	65.6	2.13	-0.38
6.4	1.37	59.9	59.9	2.29	-0.41
6.45	1.36	56.6	56.6	2.41	-0.23
6.5	1.38	53.5	53.5	2.58	-0.33
6.55	1.3	50.9	50.9	2.55	-0.33
6.6	1.22	50.1	50.1	2.44	-0.1
6.65	1.22	49.1	49.1	2.49	-0.67
6.7	1.23	48.2	48.2	2.55	-0.82
6.75	1.21	47.7	47.7	2.53	-0.71
6.8	1.17	49.1	49.1	2.37	-0.6
6.85	1.14	49.1	49.1	2.31	-0.7
6.9	1.15	49.8	49.8	2.3	-0.77

6.95	1.18	49.2	49.2	2.4	-0.87
7	1.15	48.6	48.6	2.37	-0.67
7.05	1.07	47.6	47.6	2.24	-0.72
7.1	1.05	47.4	47.4	2.22	-0.96
7.15	1.02	44.4	44.4	2.31	-0.94
7.2	1.18	37.9	37.9	3.13	-0.34
7.25	1.05	28.2	28.2	3.73	-0.8
7.3	1.09	23.9	23.9	4.58	-0.59
7.35	1.17	28.2	28.1	4.14	-1
7.4	1.38	34.4	34.4	4.02	-1.24
7.45	1.44	31.2	31.2	4.6	-0.44
7.5	1.27	31.6	31.6	4.02	-0.8
7.55	1.08	39.7	39.7	2.71	-1.43
7.6	1.11	42.5	42.4	2.62	-0.9
7.65	1.28	42	42	3.04	-0.74
7.7	1.49	36.9	36.9	4.05	-0.85
7.75	1.55	37.4	37.3	4.16	-1.15
7.8	1.53	41.9	41.8	3.66	-2.59
7.85	1.54	47.9	47.8	3.22	-3.98
7.9	1.65	49.8	49.8	3.32	-3.22
7.95	1.74	48.5	48.5	3.58	-1.94
8	1.74	44.9	44.9	3.87	-1.45
8.05	1.64	43	43	3.82	-2.74
8.1	1.58	41.5	41.4	3.81	-3.53
8.15	1.5	36.4	36.4	4.13	-3.11
8.2	1.21	29.8	29.8	4.05	-1.96
8.25	1.24	25.7	25.7	4.81	-1.76
8.3	1.2	26.8	26.8	4.49	-2.04
8.35	0.96	20.2	20.1	4.75	-2.24
8.4	0.76	18.2	18.2	4.21	-1.62
8.45	0.72	18.4	18.3	3.91	-1.04
8.5	0.78	18.5	18.5	4.2	-1.2
8.55	0.89	20	20	4.46	-1
8.6	1.05	23	23	4.55	-0.87
8.65	1.12	23.8	23.8	4.68	-1.04
8.7	0.91	19	19	4.76	-1.53
8.75	0.58	14.8	14.8	3.91	-1.74
8.8	0.4	12.4	12.3	3.26	-1.4
8.85	0.32	10.5	10.5	3.08	-1.31
8.9	0.3	10.5	10.5	2.84	-0.98
8.95	0.32	10.6	10.6	3.05	-1.04
9	0.35	12.7	12.7	2.79	-0.86
9.05	0.36	13.1	13.1	2.74	-0.99
9.1	0.41	12.3	12.3	3.32	-0.8
9.15	0.46	12.6	12.6	3.62	-0.71
9.2	0.36	13.4	13.4	2.7	-0.86
9.25	0.33	11.2	11.1	2.97	-0.66

9.3	0.31	11.4	11.4	2.7	-0.38
9.35	0.34	12.2	12.2	2.76	-0.28
9.4	0.51	14.3	14.3	3.6	-0.29
9.45	0.52	26.2	26.2	1.99	-0.18
9.5	0.47	19.7	19.7	2.39	-2.53
9.55	0.32	14.8	14.7	2.16	-2.05
9.6	0.21	14.9	14.9	1.42	-1.52
9.65	0.18	13.8	13.8	1.31	-1.46
9.7	0.14	14	14	1.02	-1.34
9.75	0.14	13.9	13.9	0.98	-1.32
9.8	0.16	14.1	14.1	1.15	-1.01
9.85	0.22	16.7	16.7	1.34	-0.63
9.9	0.3	18.8	18.8	1.59	-0.35
9.95	0.31	17.6	17.6	1.78	-0.45
10	0.42	17	16.9	2.45	-0.47
10.05	0.46	17.6	17.6	2.6	0
10.1	0.53	20.5	20.5	2.58	0.55
10.15	0.49	20.5	20.5	2.38	0.7
10.2	0.46	18.7	18.7	2.47	1.05
10.25	0.37	18.4	18.4	2.02	1.26
10.3	0.44	19.5	19.6	2.25	1.39
10.35	0.66	24.7	24.7	2.65	1.86
10.4	1.32	32.8	32.8	4.03	2.31
10.45	2.37	66.7	66.7	3.56	2.5
10.5	2.81	75.7	75.7	3.72	-2.75
10.55	3.2	61.6	61.5	5.2	-3.24
10.6	3.2	68	67.9	4.7	-2.45
10.65	4.24	82.6	82.5	5.14	-2.29
10.7	4.81	116.1	116.1	4.14	-3.4
10.75	5.66	137.6	137.5	4.12	-4.65
10.8	5.72	151.1	151	3.79	-5.4
10.85	5.95	147.7	147.6	4.03	-7.13
10.9	5.98	139.9	139.8	4.27	-9.93
10.95	5.01	130.8	130.6	3.84	-10.3
11	4.88	135.6	135.4	3.6	-9.08
11.05	4.93	132.2	132	3.73	-8.77
11.1	4.83	104.7	104.6	4.61	-9.23
11.15	3.94	68.8	68.6	5.74	-9.44
11.2	2.89	41	40.8	7.08	-8.96
11.25	1.61	33.9	33.8	4.78	-8.61
11.3	1.21	33.1	33	3.66	-8.2
11.35	1.08	31.4	31.3	3.44	-8.27
11.4	1.05	29.9	29.8	3.5	-8.17
11.45	0.98	28.5	28.4	3.46	-8.34
11.5	0.94	26.3	26.2	3.58	-8.44
11.55	0.86	24.1	24	3.57	-8.28
11.6	0.77	23.5	23.4	3.28	-8.63

11.65	0.71	23.9	23.8	3.01	-8.35
11.7	0.71	23.8	23.6	2.99	-8.48
11.75	0.75	25	24.9	3.01	-8.14
11.8	0.89	28.8	28.7	3.1	-8.37
11.85	1.21	35.6	35.5	3.4	-8.49
11.9	1.26	32.8	32.7	3.86	-8.35
11.95	1.16	30.9	30.8	3.77	-8.19
12	1.05	29	28.9	3.61	-8.01
12.05	1.01	28.2	28.1	3.59	-8.33
12.1	0.97	29.3	29.2	3.33	-8.39
12.15	0.97	29.6	29.5	3.29	-8.27
12.2	0.89	28.9	28.8	3.08	-8.4
12.25	0.9	29.3	29.2	3.07	-8.23
12.3	1.04	32.6	32.5	3.2	-8.07
12.35	1.19	35.7	35.6	3.34	-7.99
12.4	1.19	40.2	40.1	2.97	-7.82
12.45	1.28	40.9	40.8	3.14	-8.13
12.5	1.62	44.6	44.5	3.65	-7.55
12.55	2.1	56.2	56.1	3.74	-7.35
12.6	2.7	71.8	71.7	3.77	-7.45
12.65	2.5	60.9	60.8	4.11	-8.45
12.7	2.52	54.3	54.2	4.65	-7.53
12.75	3.32	71.8	71.7	4.63	-7.31
12.8	4.85	114.9	114.8	4.23	-7.29
12.85	6.44	150.6	150.5	4.28	-7.96
12.9	7.23	153.4	153.3	4.72	-8.07
12.95	6.14	126.1	126	4.88	-7.84
13	4.52	174.7	174.6	2.59	-5.09
13.05	4.09	234.8	234.7	1.74	-7.57
13.1	4.72	221.2	221.1	2.14	-7.5
13.15	6.21	211.6	211.5	2.94	-7.03
13.2	7.42	188.4	188.3	3.94	-7.33
13.25	6.84	148	147.9	4.62	-7.29
13.3	5.87	103	102.9	5.7	-6.9
13.35	3.48	61.5	61.4	5.66	-7.18
13.4	2.39	43.4	43.4	5.5	-4.99
13.45	1.67	40	39.9	4.2	-4.82
13.5	1.63	37.8	37.7	4.33	-4.57
13.55	1.61	37.1	37.1	4.33	-4.74
13.6	1.7	37.5	37.4	4.54	-4.64
13.65	1.73	37.6	37.5	4.61	-4.76
13.7	1.72	37.6	37.6	4.57	-4.91
13.75	1.76	38.9	38.9	4.54	-4.81
13.8	1.83	39.4	39.3	4.65	-4.89
13.85	2	40	40	5.01	-4.88
13.9	2.13	40.5	40.5	5.26	-4.83
13.95	2.09	39.9	39.8	5.26	-4.89

14	1.97	37.8	37.7	5.23	-4.78
14.05	1.73	36.9	36.8	4.71	-5.02
14.1	1.72	34.8	34.7	4.94	-4.85
14.15	1.68	34	33.9	4.95	-4.69
14.2	1.61	32.4	32.3	4.97	-4.74
14.25	1.5	30.8	30.7	4.87	-4.91
14.3	1.34	30.1	30	4.45	-4.9
14.35	1.19	28.9	28.9	4.11	-4.96
14.4	1.11	29	29	3.82	-4.57
14.45	1.15	30.2	30.2	3.81	-4.42
14.5	1.47	32.2	32.2	4.57	-4.61
14.55	1.8	43.1	43.1	4.17	-4.46
14.6	2.36	67.2	67.2	3.51	-4.49
14.65	2.09	52.5	52.4	3.99	-5.58
14.7	1.74	35.1	35	4.97	-5.05
14.75	1.33	32.2	32.2	4.13	-4.68
14.8	1.23	34.2	34.1	3.59	-4.32
14.85	1.22	35.6	35.5	3.42	-4.41
14.9	1.18	34.5	34.4	3.44	-4.56
14.95	1.18	34.4	34.3	3.44	-4.61
15	1.28	36.5	36.5	3.51	-4.33
15.05	1.49	39.5	39.5	3.78	-4.24
15.1	1.7	44	44	3.86	-4.16
15.15	1.79	46.4	46.4	3.87	-4.31
15.2	2.18	47.2	47.2	4.63	-3.55
15.25	2.98	81.3	81.3	3.66	-2.84
15.3	3.36	120.7	120.6	2.79	-4
15.35	4.84	169	169	2.87	-4.67
15.4	5.96	177.2	177.2	3.36	-5.13
15.45	6.65	134.9	134.8	4.93	-3.01
15.5	6.78	119.3	119.3	5.68	-1.35
15.55	6.75	155.1	155.1	4.35	0.18
15.6	8.13	194.2	194.2	4.19	0.86
15.65	7.52	185.3	185.3	4.06	-1.32
15.7	6.74	187.5	187.4	3.59	-0.99
15.75	5.75	125.3	125.3	4.59	-4.02
15.8	4.13	70.8	70.8	5.84	-3.48
15.85	3.17	45.9	45.8	6.92	-2.74
15.9	2.41	42.4	42.4	5.68	-1.49
15.95	2.04	42.7	42.7	4.78	-0.69
16	2.01	34.7	34.7	5.81	-0.79
16.05	1.99	44.9	44.9	4.43	-0.44
16.1	1.85	49.5	49.5	3.74	-0.77
16.15	1.65	38.4	38.3	4.31	-0.96
16.2	1.36	31.2	31.2	4.37	-1.04
16.25	1.07	29.9	29.8	3.6	-0.88
16.3	0.99	30	29.9	3.32	-1.02

16.35	1.06	31.1	31.1	3.39	-0.89
16.4	1.13	32.7	32.7	3.46	-1.14
16.45	1.18	34.2	34.2	3.45	-0.87
16.5	1.17	35.5	35.5	3.3	-0.98
16.55	1.14	33.4	33.4	3.4	-1.27
16.6	1.09	34.7	34.7	3.15	-1.04
16.65	1.08	34.7	34.7	3.12	-1.12
16.7	1.14	34.6	34.6	3.28	-1.06
16.75	1.14	34.7	34.7	3.28	-0.88
16.8	1.02	32.8	32.8	3.12	-1.06
16.85	1.03	31.5	31.5	3.26	-1.1
16.9	1.04	36.5	36.5	2.85	-1.11
16.95	1.06	35.1	35.1	3.01	-1.14
17	1.15	33.6	33.5	3.44	-0.96
17.05	1.08	32.7	32.7	3.29	-1.18
17.1	1.51	41.9	41.9	3.59	-1
17.15	2.13	79	79	2.69	-1.08
17.2	2.37	67.7	67.7	3.5	-2.33
17.25	2.02	46.9	46.9	4.32	-1.67
17.3	1.63	33.6	33.6	4.85	-1.27
17.35	1.14	30.7	30.7	3.73	-1.18
17.4	1	30	30	3.32	-1.14
17.45	0.97	29.8	29.7	3.25	-1.07
17.5	1.04	29.4	29.4	3.53	-1.13
17.55	1.08	30.2	30.1	3.59	-1.09
17.6	1.12	32.5	32.5	3.44	-0.8
17.65	1.27	32.8	32.8	3.86	-0.56
17.7	1.33	36.7	36.7	3.63	-0.08
17.75	1.31	36.2	36.2	3.62	-0.2
17.8	1.15	31.6	31.6	3.66	-0.36
17.85	1.09	30.1	30.1	3.61	-0.35
17.9	1.06	31	31	3.43	-0.37
17.95	1.14	32.4	32.4	3.51	-0.1
18	1.2	31.3	31.3	3.83	-0.43
18.05	1.21	30.2	30.2	4	-0.38
18.1	1.16	29.5	29.4	3.94	-0.54
18.15	1.09	29.7	29.7	3.67	-0.28
18.2	1.08	30	30	3.6	-0.35
18.25	1.09	30.1	30.1	3.63	-0.35
18.3	1.12	31.1	31.1	3.59	-0.2
18.35	1.14	32.1	32.1	3.55	-0.26
18.4	1.17	33.5	33.5	3.49	-0.11
18.45	1.16	34.3	34.3	3.39	-0.13
18.5	1.07	33.8	33.8	3.17	-0.01
18.55	1.18	32.2	32.2	3.66	-0.14
18.6	1.14	29.9	29.9	3.81	-0.18
18.65	1.12	29.8	29.8	3.77	-0.11

18.7	1.12	30.3	30.3	3.69	-0.04
18.75	1.14	30.7	30.7	3.7	-0.11
18.8	1.15	31.8	31.8	3.62	0.11
18.85	1.15	31.9	31.9	3.6	0.18
18.9	1.16	31	31	3.75	0.12
18.95	1.14	30.3	30.3	3.75	0.15
19	1.14	30.2	30.2	3.78	0.16
19.05	1.09	30	30	3.63	0.11
19.1	1	29	29	3.43	0.05
19.15	0.9	29.6	29.6	3.04	0.43
19.2	0.93	31	31	3	0.42
19.25	1.03	32.5	32.5	3.16	0.17
19.3	1.22	38.1	38.1	3.2	0.48
19.35	1.43	45.8	45.8	3.13	0.57
19.4	1.49	46.6	46.6	3.2	0.65
19.45	1.81	47.1	47.1	3.84	0.91
19.5	2.47	60	60	4.12	0.94
19.55	2.8	69.1	69.1	4.06	1.14
19.6	2.9	73.5	73.5	3.95	0.82
19.65	2.32	54.7	54.8	4.24	0.45
19.7	1.84	40.7	40.8	4.51	0.98
19.75	1.79	45.3	45.4	3.94	1.26
19.8	2.13	49.7	49.7	4.29	0.74
19.85	1.9	40.4	40.4	4.69	0.97
19.9	1.57	35	35	4.48	2.16
19.95	1.34	33.9	33.9	3.94	2.13
20	1.31	33.7	33.7	3.88	2.29
20.05	1.31	33.7	33.8	3.88	2.39
20.1	1.27	35.3	35.3	3.61	2.67
20.15	1.18	38.5	38.5	3.07	2.44
20.2	1.28	42.9	43	2.97	2.72
20.25	1.43	48	48.1	2.98	2.37
20.3	1.67	53.5	53.5	3.12	2.24
20.35	1.39	45.3	45.3	3.07	2
20.4	1.28	40.5	40.5	3.15	2.24
20.45	1.22	44	44	2.77	2.72
20.5	1.05	47.2	47.2	2.22	2.29
20.55	1.27	44.7	44.7	2.84	2.42
20.6	1.22	41.1	41.2	2.96	2.36
20.65	1.17	39.8	39.8	2.94	2.66
20.7	1.13	39.7	39.8	2.84	3.01
20.75	1.09	39.5	39.5	2.76	2.53
20.8	1.13	39.5	39.5	2.86	2.71
20.85	1.19	39.6	39.6	2.99	2.51
20.9	1.24	40.7	40.7	3.03	2.69
20.95	1.37	41.3	41.4	3.32	2.64
21	1.36	41.6	41.7	3.27	2.48

21.05	1.39	41.6	41.6	3.34	2.49
21.1	1.45	43.3	43.4	3.34	2.61
21.15	1.54	44.7	44.8	3.44	2.47
21.2	1.59	45.2	45.3	3.52	2.63
21.25	1.57	45.7	45.7	3.44	2.88
21.3	1.51	46.9	46.9	3.21	2.71
21.35	1.51	47	47	3.21	3.11
21.4	1.55	47.7	47.7	3.25	3.09
21.45	1.55	50.4	50.4	3.08	3.07
21.5	1.68	53.5	53.6	3.13	3.39
21.55	1.87	57.9	58	3.23	3.77
21.6	1.94	64.8	64.8	2.99	3.96
21.65	1.97	66.6	66.7	2.95	3.8
21.7	1.71	62.3	62.3	2.74	3.82
21.75	1.59	56	56.1	2.83	3.84
21.8	1.58	52.9	52.9	2.98	3.65
21.85	1.74	52.6	52.6	3.3	3.74
21.9	1.93	55.9	56	3.45	4.02
21.95	1.87	58.3	58.4	3.2	3.85
22	1.92	55.4	55.5	3.45	4.02
22.05	1.9	59.3	59.4	3.2	4.34
22.1	2.13	62.4	62.5	3.41	4.21
22.15	2.69	67.9	68	3.95	4.74
22.2	2.99	88.5	88.5	3.38	4.35
22.25	2.69	81.5	81.6	3.3	3.72
22.3	2.65	66.9	67	3.96	4.18
22.35	2.41	64	64.1	3.76	4.49
22.4	2.42	66.1	66.1	3.66	4.78
22.45	2.6	69	69	3.77	5.11
22.5	3.23	79.6	79.6	4.06	5.09
22.55	3.88	96.3	96.3	4.02	5.23
22.6	5.33	116	116.1	4.59	5.5
22.65	5.51	99.6	99.6	5.53	2.74
22.7	5.05	90.4	90.5	5.59	2.56
22.75	4.16	76.8	76.8	5.41	3.01
22.8	0	54.6	54.6	0	2.25
22.85	0	51.5	51.5	0	3.28

Depth (m)	Sleeve (tsf)	Tip(unc) (tsf)	Tip(cor) (tsf)	F. Ratio (%)	U (psi)
0.05	0	3	3	0	0.05
0.1	0	6.3	6.3	0.05	-0.11
0.15	0	9.3	9.3	0.05	-0.12
0.2	0.03	11.7	11.7	0.23	-0.15
0.25	0.03	13.6	13.6	0.26	-0.16
0.3	0.07	16.4	16.4	0.45	0.06
0.35	0.15	22.9	22.9	0.67	-0.14
0.4	0.35	23.4	23.4	1.51	-0.19
0.45	0.59	21.6	21.6	2.74	-0.17
0.5	0.75	23.5	23.5	3.18	0
0.55	0.79	26.2	26.2	3	0.2
0.6	0.65	23.2	23.2	2.78	0.04
0.65	0.41	19.5	19.5	2.1	-0.05
0.7	0.31	17.5	17.5	1.78	0.48
0.75	0.25	15.6	15.6	1.58	0.4
0.8	0.31	14.2	14.2	2.22	0.3
0.85	0.37	17.3	17.3	2.12	0.33
0.9	0.5	22.2	22.2	2.24	0.61
0.95	0.64	30.2	30.2	2.12	0.7
1	0.73	30.1	30.1	2.43	0.59
1.05	0.67	25.3	25.3	2.65	0.56
1.1	0.55	21.2	21.2	2.57	0.58
1.15	0.67	22.4	22.4	2.99	0.49
1.2	0.89	30.2	30.2	2.93	0.32
1.25	0.94	28.7	28.7	3.29	0.35
1.3	0.77	21.9	21.9	3.51	0.58
1.35	0.53	16.9	16.9	3.15	0.38
1.4	0.36	13.9	13.9	2.6	0.36
1.45	0.46	12	12	3.83	0.21
1.5	0.77	13.9	14	5.52	0.22
1.55	0.96	18.4	18.4	5.23	0.2
1.6	1.01	22.5	22.5	4.49	0.09
1.65	0.99	24.2	24.2	4.09	0.08
1.7	1.1	24.7	24.7	4.47	0.14
1.75	1.18	25.4	25.4	4.63	0.35
1.8	1.21	26.2	26.2	4.63	0.91
1.85	1.26	27	27	4.66	0.69
1.9	1.32	28.8	28.8	4.59	0.85
1.95	1.4	29.5	29.5	4.74	0.63
2	1.45	30.6	30.6	4.73	0.81
2.05	1.54	31.5	31.6	4.87	0.89
2.1	1.59	32.2	32.2	4.94	0.84
2.15	1.65	33.7	33.7	4.89	1.11
2.2	1.74	34.8	34.8	5.01	1.17

2.25	1.79	34.1	34.2	5.25	0.85
2.3	1.84	33.1	33.1	5.57	0.71
2.35	1.78	31.4	31.4	5.67	0.54
2.4	1.8	30.5	30.5	5.9	1.05
2.45	1.76	31	31	5.67	0.29
2.5	1.64	27.4	27.4	6	-0.77
2.55	1.46	23.4	23.4	6.25	-2.17
2.6	1.25	20.7	20.7	6.03	-2.65
2.65	1.29	20.9	20.8	6.17	-3.53
2.7	1.33	19.5	19.4	6.83	-4.6
2.75	1.34	23	22.9	5.86	-3.89
2.8	1.34	21.4	21.4	6.26	-1.91
2.85	1.28	19.7	19.7	6.48	-2.16
2.9	1.18	17.9	17.9	6.58	-2.3
2.95	1.04	16.7	16.7	6.25	-2.68
3	0.98	16.9	16.8	5.82	-3.02
3.05	0.91	17.6	17.6	5.19	-1.45
3.1	0.81	19.2	19.2	4.2	-1.22
3.15	0.82	20.6	20.6	3.98	0.13
3.2	0.88	19.6	19.6	4.48	0.02
3.25	0.96	18.6	18.6	5.14	0.23
3.3	0.99	15.8	15.8	6.25	-0.05
3.35	1.04	15.8	15.8	6.58	0
3.4	1.09	18.7	18.7	5.83	-0.79
3.45	1.15	25.2	25.2	4.56	-0.68
3.5	1.13	33.5	33.5	3.39	-0.36
3.55	1.01	41.2	41.2	2.46	0.08
3.6	1.06	51.2	51.2	2.06	0.29
3.65	1.14	62.7	62.7	1.82	0.51
3.7	1.22	80.1	80.1	1.52	0.69
3.75	0.9	88.9	88.9	1.02	0.65
3.8	0.64	68.8	68.8	0.94	0.22
3.85	0.57	44.8	44.8	1.28	0.17
3.9	0.46	38.4	38.4	1.2	0.43
3.95	0.39	33.1	33.1	1.19	0.33
4	0.43	38.2	38.2	1.12	0.5
4.05	0.33	35.9	35.9	0.93	0.38
4.1	0.39	36.2	36.2	1.08	0.4
4.15	0.41	51.4	51.4	0.8	0.51
4.2	0.61	73.7	73.7	0.83	0.41
4.25	0.63	88.1	88.1	0.72	0.35
4.3	0.63	76.6	76.6	0.82	0.52
4.35	0.66	65.8	65.8	1.01	0.7
4.4	0.77	57	57	1.35	0.39
4.45	0.89	55.1	55.1	1.61	0.5
4.5	0.87	49.7	49.7	1.75	0.51
4.55	0.78	38.2	38.2	2.04	0.42

4.6	0.74	28	28	2.64	0.26
4.65	0.81	23.4	23.4	3.47	0.19
4.7	0.81	23.1	23.1	3.52	0.34
4.75	0.74	25	25	2.97	0.41
4.8	0.63	27.6	27.6	2.29	0.2
4.85	0.55	28.7	28.8	1.93	0.46
4.9	0.46	30.1	30.1	1.51	0.28
4.95	0.46	37.5	37.5	1.23	0.19
5	0.71	69.1	69.1	1.03	0.58
5.05	1.04	102	102	1.02	0.55
5.1	1	106	106	0.95	0.5
5.15	1.29	81.6	81.6	1.58	0.28
5.2	1.34	78.2	78.2	1.72	0.49
5.25	1.39	74.3	74.3	1.87	0.32
5.3	1.29	76.3	76.3	1.69	0.5
5.35	1.21	68.9	68.9	1.75	0.07
5.4	1.15	61.8	61.8	1.86	0.09
5.45	1.13	57.7	57.7	1.96	0.41
5.5	1.22	56	56	2.18	0.16
5.55	1.26	54.1	54.1	2.34	0.54
5.6	1.18	52.4	52.4	2.25	0.17
5.65	1.14	53.7	53.7	2.12	0.35
5.7	1.06	53.9	53.9	1.97	0.42
5.75	1	55.2	55.2	1.81	0.18
5.8	0.95	60.9	60.9	1.55	0.29
5.85	1.01	73.4	73.4	1.37	0.2
5.9	1.44	80.4	80.4	1.79	0.19
5.95	1.43	74	74	1.93	0.21
6	1.52	68.8	68.8	2.2	0.17
6.05	1.58	66.1	66.1	2.39	0.18
6.1	1.59	62.1	62.1	2.56	0.14
6.15	1.64	57.9	57.9	2.84	0.46
6.2	1.58	56.1	56.1	2.81	0.15
6.25	1.57	58.8	58.8	2.67	-0.25
6.3	1.68	67.4	67.4	2.5	-0.11
6.35	1.58	64.7	64.7	2.44	-0.65
6.4	1.27	58.8	58.8	2.15	0.82
6.45	1.27	49.8	49.8	2.56	0.18
6.5	1.3	48.5	48.5	2.68	-0.17
6.55	1.29	49.7	49.7	2.6	0.2
6.6	1.31	47.3	47.3	2.77	0.57
6.65	1.22	45.5	45.5	2.67	-0.21
6.7	1.19	47	47	2.53	0.38
6.75	1.19	48.3	48.3	2.46	-0.1
6.8	1.27	49.5	49.5	2.56	-0.03
6.85	1.23	49.8	49.8	2.48	-0.16
6.9	1.28	53.1	53.1	2.4	0.55

6.95	1.26	55.8	55.8	2.26	-0.1
7	1.27	59.9	59.9	2.11	0.19
7.05	1.17	60.3	60.3	1.94	-0.3
7.1	1.49	66.6	66.7	2.24	0.4
7.15	1.69	80.9	80.9	2.09	-0.1
7.2	1.55	93.6	93.6	1.65	-0.02
7.25	0.94	100.6	100.6	0.93	0
7.3	0.73	110.7	110.7	0.66	0.33
7.35	0.78	101.2	101.2	0.77	0.43
7.4	0.63	88.7	88.7	0.71	0.17
7.45	0.9	64.9	64.9	1.39	0.28
7.5	0.91	42	42	2.15	0.05
7.55	0.9	26.9	26.9	3.34	-0.1
7.6	1.05	22.5	22.5	4.69	0.29
7.65	1.2	28.1	28.1	4.28	0.49
7.7	1.3	31.7	31.7	4.11	0.88
7.75	1.27	37.1	37.1	3.42	0.38
7.8	1.44	39.8	39.8	3.6	0.15
7.85	1.55	42.4	42.4	3.65	0
7.9	1.64	41.3	41.3	3.98	0.02
7.95	1.65	45.2	45.2	3.64	1.33
8	1.63	46	46.1	3.54	0.74
8.05	1.46	44.2	44.2	3.29	-0.2
8.1	1.27	48.5	48.5	2.61	-0.1
8.15	1.22	63	63	1.93	-0.41
8.2	1.58	58.9	58.9	2.68	-0.04
8.25	1.51	47.7	47.7	3.17	0.32
8.3	1.54	32.8	32.8	4.71	1.03
8.35	1.62	31.4	31.4	5.15	0.92
8.4	1.48	30.8	30.8	4.81	0.25
8.45	1.16	20.7	20.7	5.57	-0.31
8.5	0.76	17	17	4.48	0.11
8.55	0.62	15.7	15.7	3.93	0.4
8.6	0.6	14.1	14.1	4.26	0.2
8.65	0.58	15.9	15.9	3.61	0.22
8.7	0.67	17.8	17.8	3.78	0.6
8.75	0.69	16.9	16.9	4.09	0.13
8.8	0.62	15.6	15.6	3.96	0.18
8.85	0.53	13.8	13.8	3.84	0.79
8.9	0.45	12.3	12.3	3.67	0.17
8.95	0.44	13.4	13.4	3.32	0.55
9	0.47	14.2	14.2	3.32	0.62
9.05	0.5	13.4	13.4	3.69	0.27
9.1	0.52	15	15	3.44	0.62
9.15	0.58	15.6	15.6	3.71	0.53
9.2	0.58	13.7	13.7	4.21	0.33
9.25	0.61	15.1	15.1	4.01	0.58

9.3	0.55	17.8	17.8	3.09	0.58
9.35	0.39	13	13.1	2.96	0.93
9.4	0.31	10	10	3.12	0.94
9.45	0.26	9.8	9.8	2.66	0.82
9.5	0.29	9.7	9.7	2.99	0.63
9.55	0.31	11	11	2.86	0.79
9.6	0.41	12.8	12.8	3.19	1.19
9.65	0.95	20	20	4.77	1.22
9.7	1.1	35.9	35.9	3.06	-1.37
9.75	0.87	21.2	21.1	4.13	-5.19
9.8	0.5	12.7	12.7	3.95	-4.38
9.85	0.32	11.7	11.7	2.78	-4.45
9.9	0.32	12.9	12.9	2.47	-4.39
9.95	0.37	12.8	12.8	2.87	-4.37
10	0.39	13.4	13.3	2.95	-4.17
10.05	0.38	13.7	13.7	2.81	-4.1
10.1	0.36	13.8	13.8	2.59	-4.23
10.15	0.53	14.6	14.5	3.63	-4.3
10.2	1.3	22.5	22.5	5.77	-3.64
10.25	1.88	81.1	81.1	2.32	-4.39
10.3	2.67	88.6	88.5	3.02	-5.18
10.35	2.66	64.6	64.5	4.12	-6.09
10.4	1.83	33.8	33.7	5.44	-6.01
10.45	1.27	22.3	22.2	5.7	-5.51
10.5	0.93	23.1	23	4.04	-5.42
10.55	0.86	20.1	20	4.31	-5.42
10.6	0.87	16.3	16.3	5.33	-5.2
10.65	0.8	17.1	17.1	4.69	-5.28
10.7	0.96	20.7	20.7	4.63	-4.99
10.75	1.07	23.1	23	4.67	-4.88
10.8	1.1	25.7	25.6	4.29	-4.85
10.85	2.29	57.2	57.1	4.01	-4.89
10.9	3.1	109.2	109.2	2.84	-5.28
10.95	3.53	81	81	4.36	-5.59
11	3.16	90.2	90.2	3.51	-5.34
11.05	2.52	100	99.9	2.52	-5.73
11.1	3.13	94.3	94.2	3.33	-5.48
11.15	3.76	90.5	90.5	4.15	-5.96
11.2	3.81	81.6	81.5	4.67	-6.86
11.25	3.74	108.8	108.7	3.44	-5.95
11.3	3.94	210.9	210.8	1.87	-6.28
11.35	5.42	276.2	276.1	1.96	-6.04
11.4	6.19	254.1	254	2.44	-6.13
11.45	7.21	237	236.9	3.04	-6.09
11.5	7.67	271.9	271.9	2.82	-5.83
11.55	7.25	292.3	292.3	2.48	-5.6
11.6	6.26	316.6	316.5	1.98	-6.04

11.65	5.52	315.3	315.2	1.75	-5.78
11.7	4.96	280.1	280	1.77	-5.78
11.75	3.96	229.5	229.4	1.72	-6.05
11.8	3.31	196.5	196.4	1.69	-5.75
11.85	3.36	183.9	183.8	1.83	-5.85
11.9	2.87	219.5	219.4	1.31	-5.99
11.95	3.25	291	290.9	1.12	-6.13
12	4.95	298.8	298.7	1.66	-6.01
12.05	6.11	247.7	247.7	2.47	-5.36
12.1	6.63	221.7	221.6	2.99	-4.94
12.15	6.9	233.3	233.3	2.96	-5.1
12.2	7.03	269.1	269	2.61	-4.93
12.25	6.93	313.7	313.6	2.21	-5.32
12.3	7.77	333.2	333.2	2.33	-6.36
12.35	8.51	329.9	329.8	2.58	-6.62
12.4	8.95	392.9	392.8	2.28	-6.4
12.45	8.96	375.1	375	2.39	-6.24
12.5	9.55	417.6	417.5	2.29	-6.23
12.55	9.68	455.6	455.6	2.12	-5.09
12.6	9.12	445.3	445.3	2.05	-5.18
12.65	8.41	441.6	441.5	1.91	-5.15
12.7	7.34	416.5	416.4	1.76	-5.31
12.75	8.7	381.4	381.4	2.28	-5.37
12.8	7.1	359.9	359.8	1.97	-4.95
12.85	5.76	358.1	358.1	1.61	-5.24
12.9	6.43	355.4	355.3	1.81	-5.08
12.95	6.55	313	313	2.09	-5.44
13	6.88	275.4	275.3	2.5	-5.42
13.05	5.91	258.3	258.2	2.29	-5.3
13.1	5.62	261.8	261.7	2.15	-5.62
13.15	5.91	291.6	291.6	2.03	-5.67
13.2	5.78	260.3	260.2	2.22	-5.49
13.25	5.05	259.6	259.6	1.95	-5.64
13.3	4.35	258.4	258.3	1.69	-5.81
13.35	4.12	230.8	230.7	1.79	-5.84
13.4	4.83	167.2	167.1	2.89	-5.97
13.45	3.55	92.6	92.5	3.84	-6.26
13.5	2.22	47	46.9	4.74	-5.66
13.55	1.12	37.3	37.2	3.01	-5.18
13.6	0.74	35	34.9	2.11	-4.85
13.65	0.79	36.6	36.5	2.15	-5.02
13.7	0.87	38.2	38.1	2.27	-4.98
13.75	0.96	39.9	39.8	2.42	-4.91
13.8	1.03	41.9	41.9	2.46	-4.55
13.85	1.11	41.1	41.1	2.71	-4.67
13.9	1.21	41	40.9	2.96	-4.95
13.95	1.18	40.3	40.3	2.93	-4.94

14	1.15	39.8	39.8	2.9	-4.8
14.05	1.11	39.5	39.4	2.83	-4.87
14.1	1.12	37.9	37.8	2.96	-4.83
14.15	1.14	36.2	36.2	3.17	-5.05
14.2	1.11	36.2	36.1	3.08	-5.1
14.25	1.09	35.5	35.4	3.07	-5.01
14.3	1.06	33.7	33.6	3.14	-4.99
14.35	1.03	32.3	32.2	3.21	-5.03
14.4	1	31.5	31.4	3.2	-5.1
14.45	0.95	31.3	31.2	3.05	-5.32
14.5	0.98	35	34.9	2.8	-5.15
14.55	0.99	39.4	39.3	2.53	-5.13
14.6	1.04	41.2	41.1	2.54	-5.03
14.65	1.06	40.3	40.2	2.62	-5.15
14.7	1.04	39	38.9	2.67	-5.18
14.75	1.08	38.2	38.2	2.84	-5.28
14.8	1.05	35.7	35.7	2.93	-5
14.85	1	33.6	33.6	2.98	-5.17
14.9	0.95	31.1	31.1	3.06	-5.2
14.95	0.88	30.5	30.4	2.91	-5.24
15	0.84	31.5	31.4	2.68	-4.78
15.05	0.79	30.6	30.5	2.6	-5.07
15.1	0.79	30.7	30.6	2.59	-4.84
15.15	0.81	32.6	32.5	2.5	-5.16
15.2	0.86	36.1	36	2.39	-4.9
15.25	1.08	44	43.9	2.46	-4.6
15.3	1.14	49.1	49	2.33	-4.6
15.35	1.2	45.5	45.4	2.64	-4.66
15.4	1.22	40.1	40	3.06	-4.41
15.45	1.18	37.4	37.3	3.17	-4.32
15.5	1.1	35	34.9	3.15	-4.58
15.55	1.01	33.4	33.3	3.03	-4.53
15.6	1.08	35.7	35.6	3.03	-4.15
15.65	2.34	45.6	45.5	5.13	-4.19
15.7	3.09	80	79.9	3.86	-3.95
15.75	4.01	84.9	84.8	4.73	-4.39
15.8	4.59	84.8	84.7	5.42	-4.35
15.85	3.54	63.6	63.5	5.57	-4.11
15.9	3.1	61.6	61.5	5.03	-3.93
15.95	2.73	71.9	71.8	3.81	-4.02
16	2.72	61	61	4.46	-4.18
16.05	2.36	44.7	44.6	5.29	-3.93
16.1	1.59	33.9	33.9	4.69	-4.02
16.15	1.08	29.6	29.6	3.66	-3.41
16.2	0.88	28.9	28.9	3.05	-3.56
16.25	0.85	30.1	30	2.83	-3.43
16.3	0.95	30.9	30.9	3.06	-3.39

16.35	1.07	32.8	32.8	3.27	-3.82
16.4	1.26	36.1	36.1	3.5	-3.42
16.45	1.66	41.6	41.6	4	-3.87
16.5	1.78	50	49.9	3.57	-3.64
16.55	2.09	67.4	67.3	3.11	-3.27
16.6	2.11	75.3	75.2	2.81	-3.73
16.65	1.99	47.4	47.3	4.21	-3.76
16.7	1.6	32.3	32.3	4.94	-3.22
16.75	1.15	30.4	30.3	3.81	-3.43
16.8	1.04	30.6	30.6	3.41	-3.25
16.85	1.15	31.3	31.2	3.68	-2.98
16.9	1.3	33.6	33.6	3.88	-3.16
16.95	1.33	37.2	37.1	3.59	-3.1
17	1.38	35.8	35.8	3.87	-3.1
17.05	1.35	34.7	34.7	3.89	-3.21
17.1	1.26	33.8	33.8	3.72	-3.03
17.15	1.19	34.8	34.8	3.42	-3.11
17.2	1.15	34.3	34.2	3.35	-3.33
17.25	1.16	33.6	33.6	3.45	-3.07
17.3	1.1	34.6	34.6	3.17	-3.08
17.35	1.03	34.4	34.3	3	-3.19
17.4	1.03	32	32	3.21	-3.06
17.45	1.03	31.5	31.4	3.27	-2.91
17.5	1.02	31.6	31.5	3.22	-2.96
17.55	1.34	33.3	33.2	4.04	-3.06
17.6	1.52	45.8	45.8	3.31	-2.99
17.65	1.66	41.9	41.8	3.98	-2.87
17.7	1.44	34.6	34.5	4.16	-3.13
17.75	1.21	33.8	33.8	3.58	-2.63
17.8	1.01	34	33.9	2.97	-2.73
17.85	0.98	32.9	32.9	3	-2.68
17.9	1.04	30	29.9	3.48	-2.84
17.95	0.97	28.9	28.9	3.35	-2.92
18	0.87	28.4	28.4	3.08	-3.03
18.05	0.9	31.7	31.7	2.85	-2.73
18.1	1	36	36	2.78	-2.67
18.15	1.15	40.6	40.5	2.84	-2.46
18.2	1.19	41.2	41.1	2.9	-2.43
18.25	1.17	38.3	38.3	3.05	-2.54
18.3	1.04	33.8	33.8	3.09	-2.6
18.35	1.02	32.2	32.2	3.18	-2.74
18.4	1.02	32.2	32.2	3.16	-2.75
18.45	1.08	32.1	32	3.39	-2.65
18.5	1.15	31.8	31.8	3.61	-2.73
18.55	1.16	31.7	31.7	3.66	-2.63
18.6	1.14	31.8	31.8	3.6	-2.47
18.65	1.06	30.8	30.8	3.45	-2.49

18.7	1	30.9	30.9	3.23	-2.45
18.75	0.93	32.8	32.7	2.85	-2.35
18.8	0.98	35.1	35.1	2.78	-2.11
18.85	1.08	37.4	37.3	2.89	-2.41
18.9	1.25	40.2	40.1	3.11	-2.2
18.95	1.34	38.8	38.8	3.47	-2.21
19	1.35	35.9	35.8	3.77	-2.31
19.05	1.26	34.2	34.2	3.7	-2.24
19.1	1.16	34	33.9	3.43	-2.48
19.15	1.15	33.5	33.4	3.43	-2.24
19.2	1.13	33	33	3.42	-2.19
19.25	1.13	35.3	35.3	3.19	-2.13
19.3	1.07	34.3	34.3	3.13	-2.19
19.35	1.03	30.9	30.8	3.35	-2.24
19.4	1	29.4	29.4	3.39	-2.24
19.45	0.94	32	32	2.95	-2.01
19.5	0.96	34	34	2.83	-2
19.55	1.07	33.1	33	3.23	-2.13
19.6	1.07	34	33.9	3.16	-2.07
19.65	1.11	35.5	35.5	3.14	-1.93
19.7	1.15	36.2	36.2	3.19	-2.09
19.75	1.17	36.8	36.7	3.17	-1.96
19.8	1.11	37.8	37.8	2.94	-1.8
19.85	1.07	38.5	38.5	2.77	-1.66
19.9	1.01	37.6	37.6	2.68	-1.96
19.95	1.06	38.5	38.5	2.76	-1.74
20	1.11	39	39	2.86	-1.9
20.05	1.15	39.4	39.4	2.91	-1.77
20.1	1.05	38.1	38.1	2.77	-1.9
20.15	1.01	36.8	36.8	2.76	-1.86
20.2	0.97	36.2	36.2	2.68	-1.68
20.25	0.96	35.3	35.3	2.73	-1.74
20.3	0.95	33.9	33.9	2.79	-1.83
20.35	1.02	35.8	35.8	2.86	-1.5
20.4	0.97	37.6	37.5	2.59	-1.57
20.45	1.06	37.5	37.5	2.81	-1.74
20.5	1.06	38.1	38.1	2.79	-1.66
20.55	1.18	39.5	39.4	2.98	-1.53
20.6	1.32	45.9	45.8	2.89	-1.47
20.65	1.34	49.5	49.4	2.71	-1.36
20.7	1.53	57.7	57.7	2.66	-1.05
20.75	1.51	55.9	55.8	2.71	-1.07
20.8	1.54	48.5	48.4	3.18	-1.34
20.85	1.32	44.4	44.4	2.98	-1.31
20.9	1.14	42.7	42.7	2.67	-1.33
20.95	1.05	41.4	41.3	2.55	-1.51
21	1.07	42	42	2.56	-1.1

21.05	1.16	44.5	44.4	2.6	-1.33
21.1	1.18	44.5	44.5	2.64	-1.18
21.15	1.18	44.1	44.1	2.68	-1
21.2	1.21	46.2	46.1	2.61	-0.84
21.25	1.34	47.4	47.3	2.83	-1.03
21.3	1.49	47.2	47.2	3.16	-1.07
21.35	1.65	47.4	47.3	3.48	-0.93
21.4	1.58	45.8	45.8	3.45	-1.17
21.45	1.51	45.3	45.3	3.33	-0.91
21.5	1.46	45.3	45.3	3.23	-0.86
21.55	1.52	46.5	46.5	3.26	-0.88
21.6	1.58	51.5	51.5	3.06	-0.51
21.65	1.44	47	46.9	3.07	-0.7
21.7	1.43	43.8	43.8	3.26	-0.85
21.75	1.36	45.3	45.2	3.01	-0.77
21.8	1.4	46	46	3.05	-0.46
21.85	1.32	45.4	45.4	2.9	-0.61
21.9	1.18	45.4	45.4	2.6	-0.3
21.95	1.34	47.3	47.3	2.84	-0.44
22	1.39	50.9	50.9	2.73	-0.47
22.05	1.66	50.4	50.4	3.29	-0.29
22.1	2.2	57.3	57.3	3.84	0
22.15	3.62	85.4	85.5	4.24	0.26
22.2	5.44	176.7	176.7	3.08	0.48
22.25	7.88	218.3	218.3	3.61	0.07
22.3	8.21	135.3	135.3	6.07	-0.72
22.35	6.68	87.6	87.6	7.63	-0.18
22.4	3.99	64.8	64.8	6.16	0.42
22.45	2.6	56.6	56.6	4.59	0.52
22.5	2.11	58.4	58.4	3.61	0.58
22.55	1.94	57.2	57.2	3.39	0.68
22.6	1.97	56.2	56.2	3.5	0.57
22.65	2.11	57.5	57.5	3.66	0.55
22.7	2	56.4	56.4	3.54	0.7
22.75	1.89	55.5	55.5	3.41	0.67
22.8	0	52.6	52.6	0	0.73
22.85	0	52.9	52.9	0	0.58

Depth (m)	Sleeve (tsf)	Tip(unc) (tsf)	Tip(cor) (tsf)	F. Ratio (%)	U (psi)
0.05	0	13.9	13.9	0	0.27
0.1	0.13	17.6	17.6	0.75	-0.3
0.15	0.13	11.6	11.6	1.09	-0.06
0.2	0.13	7.7	7.7	1.75	0.16
0.25	0.11	5.9	5.9	1.86	0.11
0.3	0.11	5.4	5.4	2.1	0.1
0.35	0.16	6.7	6.7	2.35	0.01
0.4	0.15	7.1	7.1	2.18	0.17
0.45	0.12	5.5	5.5	2.21	-0.07
0.5	0.08	6.4	6.4	1.27	0.27
0.55	0.08	6.4	6.4	1.32	0.18
0.6	0.1	6.6	6.6	1.51	0.02
0.65	0.12	6.2	6.2	1.86	0.03
0.7	0.1	5.9	5.9	1.77	-0.03
0.75	0.1	4.6	4.6	2.1	-0.25
0.8	0.1	4.3	4.3	2.43	-0.43
0.85	0.12	4.6	4.6	2.55	-0.25
0.9	0.13	4	4	3.18	-0.41
0.95	0.13	5.7	5.7	2.35	-0.14
1	0.15	5.6	5.6	2.6	-0.05
1.05	0.12	5.1	5.1	2.35	-0.15
1.1	0.12	5.5	5.5	2.24	-0.27
1.15	0.08	6.1	6.1	1.38	-0.26
1.2	0.07	4.3	4.3	1.73	-0.18
1.25	0.06	1.8	1.8	3.53	-0.26
1.3	0.06	1.8	1.8	3.28	0
1.35	0.08	1.6	1.6	4.99	-0.19
1.4	0.07	1.8	1.8	4.01	-0.12
1.45	0.19	4.5	4.5	4.18	-0.1
1.5	0.63	6.7	6.7	9.4	-0.24
1.55	0.97	21.9	21.9	4.42	-0.14
1.6	1.29	26	26	4.95	0.25
1.65	1.44	28	28.1	5.13	0.93
1.7	1.51	28.7	28.8	5.24	1.03
1.75	1.52	29.8	29.8	5.09	1.13
1.8	1.51	30.5	30.5	4.95	1.14
1.85	1.51	30.5	30.5	4.94	1.22
1.9	1.56	32	32.1	4.86	1.36
1.95	1.69	34.4	34.4	4.91	1.2
2	1.78	37.4	37.4	4.75	1.21
2.05	1.84	37.4	37.4	4.93	1.22
2.1	1.82	35.8	35.9	5.08	1.27
2.15	1.78	36.7	36.7	4.86	1.35
2.2	1.88	37.3	37.4	5.04	1.58

2.25	1.96	35.4	35.4	5.53	1.21
2.3	1.93	31.3	31.3	6.18	0.76
2.35	1.87	29.6	29.6	6.32	0.91
2.4	1.78	27.8	27.8	6.41	0.76
2.45	1.69	27	27	6.28	-0.01
2.5	1.63	26.5	26.5	6.15	-1.07
2.55	1.71	24.3	24.3	7.04	-2.11
2.6	1.7	22.7	22.7	7.49	-3.01
2.65	1.48	20.9	20.8	7.11	-3.74
2.7	1.33	18.4	18.4	7.27	-5.02
2.75	1.15	16.5	16.4	7.02	-3.79
2.8	1.2	17.9	17.9	6.74	-0.83
2.85	1.23	20.7	20.7	5.93	-0.42
2.9	1.24	22.3	22.3	5.58	-1.13
2.95	1.12	27.8	27.8	4.04	-1.79
3	1.05	33.2	33.2	3.16	-0.62
3.05	1.03	32.3	32.3	3.18	-0.17
3.1	1.08	28.8	28.8	3.77	0.05
3.15	1.21	23.7	23.7	5.11	0.27
3.2	1.26	21.8	21.8	5.79	-0.33
3.25	1.19	19.7	19.7	6.03	-0.46
3.3	0.88	18.6	18.6	4.74	-0.13
3.35	0.7	18.1	18.1	3.85	-0.18
3.4	0.63	32.6	32.6	1.94	-0.39
3.45	0.67	90.9	90.9	0.73	-0.12
3.5	0.68	157.7	157.7	0.43	-0.2
3.55	1.05	196.3	196.3	0.54	0.27
3.6	1.31	217	217	0.6	0.23
3.65	1.69	224.5	224.5	0.75	0.93
3.7	2.05	234.3	234.3	0.87	0.37
3.75	1.93	245.7	245.7	0.78	0.43
3.8	2.01	259.3	259.3	0.77	0.42
3.85	2.49	274.1	274.1	0.91	0.32
3.9	3.25	283.5	283.5	1.15	0.41
3.95	3.34	302.7	302.8	1.1	0.75
4	3.21	300.2	300.2	1.07	0.89
4.05	3.05	307.2	307.2	0.99	0.96
4.1	3.37	312.5	312.5	1.08	0.87
4.15	3.42	325.4	325.4	1.05	0.4
4.2	3.85	357.7	357.8	1.08	1.7
4.25	4.11	377.4	377.4	1.09	0.79
4.3	4.14	408.6	408.6	1.01	1.04
4.35	4.47	426.3	426.3	1.05	0.95
4.4	5.45	450.2	450.2	1.21	0.25
4.45	6.56	470.8	470.8	1.39	0.68
4.5	7.37	451	451	1.63	0.94
4.55	6.89	412.8	412.8	1.67	0.8

4.6	5.42	382.6	382.6	1.42	0.56
4.65	4.63	331.8	331.8	1.4	0.38
4.7	4	271.2	271.2	1.47	0.44
4.75	3.46	222.4	222.4	1.56	0.02
4.8	3.02	206.8	206.8	1.46	-0.08
4.85	2.29	222.7	222.7	1.03	0.3
4.9	2.04	234.9	234.9	0.87	0.19
4.95	1.3	242.1	242.1	0.54	0.16
5	1.65	241.3	241.3	0.68	0.05
5.05	2.43	236.8	236.8	1.03	-0.39
5.1	2.8	213	213	1.31	0.08
5.15	2.52	178.1	178.1	1.41	-0.26
5.2	1.95	180.5	180.5	1.08	-0.17
5.25	1.98	195.8	195.8	1.01	0.05
5.3	2.4	218.2	218.2	1.1	0.07
5.35	3.12	257.5	257.5	1.21	-0.04
5.4	3.64	310.9	310.9	1.17	-0.5
5.45	4.42	360.2	360.2	1.23	-0.19
5.5	4.71	382.5	382.5	1.23	0.15
5.55	4.85	359.2	359.2	1.35	-0.29
5.6	4.37	343.3	343.3	1.27	-0.3
5.65	4.38	326.8	326.8	1.34	-0.47
5.7	4.27	314.7	314.7	1.36	-0.71
5.75	3.78	292.9	292.8	1.29	-1.18
5.8	4.1	279.1	279.1	1.47	-1.05
5.85	4.23	294.4	294.4	1.44	-1.03
5.9	4.29	310.9	310.9	1.38	-0.57
5.95	4.32	339	339	1.28	-0.43
6	3.58	345.7	345.7	1.03	-0.88
6.05	4.02	329.9	329.9	1.22	-0.88
6.1	2.64	332.3	332.3	0.8	-0.9
6.15	3.11	321.7	321.7	0.97	-0.74
6.2	3.1	295.2	295.2	1.05	-0.97
6.25	2.88	278.5	278.5	1.03	-0.31
6.3	1.95	237.6	237.6	0.82	-0.57
6.35	2.35	211	211	1.11	-1.16
6.4	1.84	201.3	201.3	0.91	-1.27
6.45	2.82	182.6	182.6	1.55	-1.57
6.5	2.5	177.6	177.6	1.41	-1.49
6.55	2.68	127.1	127.1	2.11	-1.23
6.6	2.52	79.8	79.8	3.16	0.24
6.65	2.3	53.5	53.5	4.3	-0.56
6.7	1.89	46.4	46.4	4.08	-0.98
6.75	2.07	77.5	77.5	2.68	-0.3
6.8	1.96	131.4	131.3	1.49	-0.82
6.85	2.09	125.1	125.1	1.67	-1.07
6.9	2.53	113.4	113.4	2.23	-1.29

6.95	3.1	98.4	98.3	3.15	-1.14
7	3.11	92.8	92.8	3.35	-1.2
7.05	2.79	92.6	92.6	3.02	0.39
7.1	2.49	124.5	124.5	2	-0.92
7.15	1.87	151.6	151.6	1.23	-0.8
7.2	1.29	164.8	164.8	0.78	-0.98
7.25	1.83	220.9	220.9	0.83	-0.11
7.3	2.34	222.8	222.8	1.05	-1.85
7.35	2.79	218.1	218.1	1.28	-1.49
7.4	3.21	233.3	233.3	1.38	-0.32
7.45	3.55	271.1	271.1	1.31	-1.39
7.5	3.07	284.6	284.5	1.08	-1.49
7.55	2.81	291.2	291.2	0.97	-1.26
7.6	2.4	267.9	267.9	0.89	-0.95
7.65	2.31	241.2	241.2	0.96	-1.22
7.7	2.45	213	213	1.15	-1.32
7.75	2.63	162.9	162.9	1.62	-1.36
7.8	3.14	105.6	105.6	2.97	-1.55
7.85	2.8	78.6	78.6	3.57	-1.12
7.9	2.78	60.6	60.6	4.59	-0.38
7.95	2.48	57.3	57.3	4.32	-0.33
8	2.15	62.6	62.6	3.44	-0.27
8.05	2.04	60.8	60.8	3.36	-1.12
8.1	2.28	65.6	65.6	3.47	-0.45
8.15	2.22	54.8	54.7	4.06	-1.64
8.2	2.08	38	38	5.48	-1.05
8.25	1.82	37.8	37.8	4.82	-0.61
8.3	1.79	35.2	35.2	5.07	-0.64
8.35	1.92	34.7	34.6	5.54	-0.93
8.4	2.08	36.2	36.2	5.75	-0.56
8.45	2.2	38	38	5.79	-0.82
8.5	2.23	42	42	5.31	-0.5
8.55	1.91	37.4	37.3	5.12	-0.61
8.6	1.48	22	22	6.72	-0.68
8.65	0.94	15.9	15.9	5.92	-1.21
8.7	0.6	15.9	15.9	3.8	-0.62
8.75	0.76	16.4	16.4	4.62	-0.93
8.8	0.94	24.2	24.2	3.9	-1.1
8.85	1.16	24.9	24.9	4.68	-0.82
8.9	1.56	28	28	5.56	-0.51
8.95	1.79	33.8	33.8	5.31	-0.78
9	1.42	44.3	44.2	3.21	-0.59
9.05	1.26	62.5	62.5	2.02	-1.42
9.1	1.25	77.3	77.3	1.62	-1.4
9.15	1.27	76.2	76.2	1.67	-1.66
9.2	1.18	51.2	51.2	2.31	-1.71
9.25	1.28	33.7	33.6	3.8	-1.8

9.3	1.1	31.7	31.7	3.46	-1.81
9.35	0.77	14.1	14.1	5.49	-1.18
9.4	0.54	10.6	10.6	5.15	-1.05
9.45	0.57	12.6	12.6	4.55	-0.82
9.5	0.67	19.8	19.8	3.39	-1.12
9.55	0.62	23.4	23.3	2.67	-1.49
9.6	0.75	19.7	19.7	3.82	-1.15
9.65	0.94	23	23	4.08	-1.27
9.7	1.35	31.7	31.7	4.27	-1.47
9.75	2	49.6	49.6	4.04	-1.34
9.8	1.68	162.5	162.4	1.04	-1.32
9.85	1.81	253.5	253.5	0.71	-1.7
9.9	2.8	330.1	330.1	0.85	-1.55
9.95	2.32	343.2	343.2	0.68	-1.88
10	2.08	288.6	288.6	0.72	-3.95
10.05	1.81	267.2	267.1	0.68	-4.2
10.1	1.79	244.5	244.5	0.73	-3.74
10.15	2.12	219.7	219.6	0.97	-4.04
10.2	1.55	218.3	218.3	0.71	-3.64
10.25	1.53	202.7	202.6	0.75	-3.01
10.3	1.3	174.5	174.4	0.74	-3.9
10.35	1.34	133.1	133.1	1	-3.36
10.4	1.47	74.5	74.5	1.97	-3.4
10.45	1.11	31.3	31.2	3.55	-3.89
10.5	0.63	17.5	17.5	3.61	-3.79
10.55	0.48	15.3	15.3	3.12	-3.25
10.6	0.33	15.5	15.4	2.16	-3.55
10.65	0.38	14	14	2.69	-3.32
10.7	0.41	14.1	14	2.91	-3.15
10.75	0.46	14.6	14.6	3.14	-2.99
10.8	0.53	15	15	3.54	-3
10.85	0.56	14.2	14.2	3.93	-3.04
10.9	0.5	12.7	12.7	3.96	-2.87
10.95	0.44	11.9	11.8	3.73	-2.91
11	0.37	13.2	13.2	2.81	-2.68
11.05	0.46	14	14	3.3	-2.83
11.1	0.5	15.4	15.4	3.26	-2.82
11.15	0.49	16.4	16.4	3.01	-2.4
11.2	0.4	16.1	16.1	2.5	-2.4
11.25	0.41	15.7	15.7	2.61	-2.21
11.3	0.54	16	16	3.41	-2.61
11.35	0.52	20.3	20.3	2.57	-2.04
11.4	0.5	19.1	19.1	2.63	-1.96
11.45	0.51	17	17	2.98	-2.57
11.5	0.4	16.9	16.9	2.36	-2.38
11.55	0.35	16.8	16.8	2.11	-1.5
11.6	0.34	16.1	16	2.14	-1.97

11.65	0.38	15.6	15.6	2.41	-2.32
11.7	0.49	17.7	17.7	2.78	-1.8
11.75	0.78	20.4	20.4	3.81	-1.77
11.8	0.63	28	28	2.24	-2.31
11.85	0.59	23	23	2.55	-2.31
11.9	0.49	19.9	19.8	2.47	-2.03
11.95	0.82	21.4	21.3	3.85	-1.61
12	2.15	34.1	34	6.32	-1.96
12.05	3.11	83.6	83.5	3.73	-2.08
12.1	3.63	80	79.9	4.54	-1.83
12.15	3.87	141.5	141.5	2.74	-1.03
12.2	4.38	227.7	227.6	1.92	-2.08
12.25	4.66	261.2	261.2	1.79	-2.23
12.3	4.85	280.7	280.6	1.73	-2.26
12.35	4.57	306.4	306.3	1.49	-1.88
12.4	6.1	317.6	317.6	1.92	-2.3
12.45	6.34	352.7	352.7	1.8	-2.3
12.5	6.96	308	308	2.26	-2.08
12.55	7.58	301.2	301.2	2.52	-2.23
12.6	7.18	301.7	301.6	2.38	-2.29
12.65	6.33	273.3	273.2	2.32	-2.21
12.7	5.73	265.8	265.8	2.16	-2.67
12.75	4.63	255.2	255.2	1.82	-2.54
12.8	4.22	259.7	259.6	1.62	-2.31
12.85	3.81	276.8	276.8	1.38	-2.52
12.9	3.97	275.6	275.5	1.44	-2.68
12.95	4.62	292.7	292.7	1.58	-2.59
13	5.03	284	284	1.77	-2.67
13.05	5.07	264.5	264.5	1.92	-2.5
13.1	6.22	284.9	284.9	2.18	-2.51
13.15	6.7	329.4	329.4	2.03	-2.52
13.2	6.59	335.1	335.1	1.97	-2.58
13.25	6.78	330	329.9	2.06	-2.45
13.3	5.2	295.7	295.6	1.76	-2.48
13.35	3.73	251.8	251.8	1.48	-2.69
13.4	2.39	242.8	242.8	0.98	-2.44
13.45	2.9	212.7	212.6	1.36	-2.68
13.5	2.39	194.3	194.3	1.23	-2.6
13.55	2.55	144.4	144.4	1.77	-2.92
13.6	2.79	83.5	83.5	3.34	-3.47
13.65	1.99	43.7	43.6	4.56	-3.68
13.7	1.41	27.6	27.6	5.11	-3.41
13.75	0.73	25.3	25.3	2.87	-3.07
13.8	0.7	25.5	25.5	2.75	-3.01
13.85	0.71	27.4	27.4	2.58	-3.05
13.9	0.8	30.5	30.5	2.64	-2.55
13.95	0.83	32.1	32	2.6	-2.78

14	0.88	31.7	31.7	2.78	-2.78
14.05	0.95	31.4	31.3	3.03	-2.82
14.1	1.21	32.3	32.3	3.75	-2.97
14.15	1.29	36	36	3.57	-2.69
14.2	1.39	35.6	35.6	3.9	-2.82
14.25	1.54	34.8	34.8	4.44	-2.62
14.3	1.47	35	35	4.2	-2.56
14.35	1.5	34.2	34.1	4.39	-2.34
14.4	1.41	33.3	33.2	4.25	-2.42
14.45	1.39	32.1	32.1	4.33	-2.55
14.5	1.43	31	31	4.61	-2.58
14.55	1.43	29.7	29.7	4.82	-2.66
14.6	1.34	29.7	29.7	4.53	-2.56
14.65	1.21	28	27.9	4.35	-2.84
14.7	1.03	27.1	27.1	3.81	-2.67
14.75	1	26.4	26.4	3.81	-2.53
14.8	0.96	26.7	26.6	3.59	-2.59
14.85	0.96	28.8	28.7	3.34	-2.48
14.9	0.99	32.2	32.2	3.07	-2.3
14.95	1	31.9	31.9	3.15	-2.52
15	1.09	30.9	30.9	3.51	-2.52
15.05	1.06	29.7	29.7	3.59	-2.43
15.1	1.07	28.6	28.5	3.74	-2.56
15.15	1.07	28.4	28.4	3.78	-2.34
15.2	1	28.8	28.8	3.48	-2.47
15.25	1.02	29.7	29.7	3.44	-2.38
15.3	1.15	29.9	29.9	3.83	-2.36
15.35	1.67	39.7	39.6	4.21	-2.14
15.4	1.57	52.4	52.4	3	-2.42
15.45	1.68	43.4	43.4	3.87	-2.19
15.5	1.77	49.8	49.8	3.56	-1.79
15.55	1.74	47.5	47.4	3.66	-2.03
15.6	1.55	38.5	38.5	4.03	-1.94
15.65	1.27	35	34.9	3.62	-1.1
15.7	1.04	32.8	32.7	3.16	-1.38
15.75	0.93	32.3	32.3	2.87	-1.46
15.8	0.92	31	31	2.97	-1.4
15.85	0.93	31.4	31.4	2.96	-1.47
15.9	0.98	32.9	32.9	2.97	-1.28
15.95	1.19	34.9	34.9	3.42	-1.35
16	1.91	53.4	53.4	3.58	-1.13
16.05	2.09	67.5	67.4	3.1	-1.08
16.1	2.53	75.6	75.6	3.34	-0.92
16.15	2.55	109.3	109.3	2.33	-1.25
16.2	2.48	70.2	70.2	3.53	-1.57
16.25	2.19	42.6	42.5	5.16	-1.07
16.3	1.25	35.4	35.3	3.55	-0.97

16.35	1	35.4	35.4	2.82	-0.72
16.4	0.92	33.3	33.2	2.76	-1.01
16.45	0.95	32.2	32.2	2.93	-0.92
16.5	1.3	34.9	34.9	3.73	-0.7
16.55	1.51	42.8	42.8	3.54	-0.61
16.6	2.02	58.7	58.7	3.44	-0.53
16.65	2.78	72.2	72.2	3.85	-0.28
16.7	3.46	101.2	101.2	3.42	-0.11
16.75	4.38	137.3	137.3	3.19	0.18
16.8	4.37	144	144	3.04	-0.88
16.85	3.65	86.8	86.8	4.21	-1.16
16.9	2.87	50.6	50.6	5.67	-0.93
16.95	1.83	40.8	40.8	4.48	-0.7
17	1.38	33.6	33.6	4.09	-0.47
17.05	1.17	34.4	34.4	3.4	-0.27
17.1	1.17	35.4	35.4	3.3	-0.1
17.15	1.26	35.9	35.9	3.5	-0.07
17.2	1.32	37.1	37.1	3.55	-0.07
17.25	1.3	39.1	39.1	3.33	0.07
17.3	1.28	40.2	40.2	3.19	0.19
17.35	1.41	44	44	3.21	0.28
17.4	1.66	37.7	37.7	4.41	0.19
17.45	1.4	32.9	32.9	4.25	-0.04
17.5	1.12	33	33	3.38	0.18
17.55	1.07	33.1	33.1	3.22	0.35
17.6	1.04	35	35	2.98	0.53
17.65	1.26	36	36	3.51	0.38
17.7	1.39	39.3	39.3	3.53	0.17
17.75	2.37	61.9	61.9	3.82	0.7
17.8	3.5	106.8	106.8	3.28	-0.01
17.85	3.78	104.3	104.3	3.62	-0.29
17.9	3.93	102	102	3.85	-0.05
17.95	3.28	63.4	63.4	5.18	-0.39
18	2.07	40.8	40.8	5.07	0.08
18.05	1.37	33.9	34	4.02	0.37
18.1	1.02	34.4	34.4	2.97	0.65
18.15	0.96	35.1	35.1	2.74	0.47
18.2	0.97	31.4	31.5	3.1	0.68
18.25	0.93	29.7	29.7	3.13	0.58
18.3	0.83	29.4	29.4	2.84	0.93
18.35	0.82	29.5	29.5	2.77	0.67
18.4	0.9	31.5	31.5	2.85	0.93
18.45	1.11	33	33	3.36	0.8
18.5	1.28	34.3	34.3	3.73	0.64
18.55	1.37	33	33	4.14	0.7
18.6	1.23	29.1	29.1	4.22	0.66
18.65	1.1	28.8	28.9	3.81	0.9

18.7	0.99	29.4	29.4	3.38	1.15
18.75	1.04	28.4	28.4	3.67	0.74
18.8	1.03	28	28	3.68	0.84
18.85	1.02	28.7	28.7	3.55	0.82
18.9	1.04	29.1	29.1	3.56	0.96
18.95	1.06	30	30	3.52	0.82
19	1.09	33	33	3.29	1.2
19.05	1.13	36.2	36.3	3.12	1
19.1	1.21	37.1	37.1	3.27	0.97
19.15	1.3	37.7	37.7	3.43	0.93
19.2	1.32	38.7	38.7	3.42	1.21
19.25	1.33	38.9	38.9	3.42	1.28
19.3	1.37	38.3	38.3	3.58	1.55
19.35	1.34	37.2	37.3	3.6	1.52
19.4	1.31	35.4	35.5	3.69	1.08
19.45	1.27	35.6	35.6	3.55	1.36
19.5	1.14	35.7	35.8	3.2	1.09
19.55	1.24	35	35	3.54	1.28
19.6	1.22	31.6	31.6	3.87	1.45
19.65	1.14	31.8	31.8	3.6	1.32
19.7	1.1	32.8	32.8	3.36	1.44
19.75	1.12	34.2	34.2	3.28	1.46
19.8	1.1	33.5	33.5	3.28	1.3
19.85	1.13	33.6	33.6	3.35	1.66
19.9	1.16	33	33	3.5	1.38
19.95	1.15	33.7	33.7	3.4	1.29
20	1.15	34	34.1	3.37	1.73
20.05	1.18	34.1	34.1	3.47	1.53
20.1	1.2	35.4	35.4	3.39	1.41
20.15	1.19	37.4	37.4	3.19	1.62
20.2	1.17	39.3	39.3	2.97	1.48
20.25	1.21	40.4	40.5	2.98	1.75
20.3	1.22	40.5	40.5	3.02	1.7
20.35	1.13	41.4	41.4	2.74	1.74
20.4	1.07	39.1	39.1	2.75	1.56
20.45	1.12	37.6	37.6	2.99	1.72
20.5	1.18	39	39	3.02	1.74
20.55	1.4	42.8	42.8	3.27	1.9
20.6	1.59	50.2	50.2	3.17	1.94
20.65	1.53	46.1	46.1	3.32	2.04
20.7	1.5	41.4	41.4	3.62	1.97
20.75	1.31	39.2	39.2	3.33	1.92
20.8	1.16	39.6	39.6	2.94	2.05
20.85	1.16	40.5	40.5	2.87	1.92
20.9	1.25	42.8	42.8	2.93	1.97
20.95	1.21	41.6	41.6	2.9	2.06
21	1.43	52.4	52.5	2.73	2.57

21.05	1.47	49.8	49.8	2.96	2.38
21.1	1.47	45.8	45.8	3.2	2.38
21.15	1.3	47.7	47.7	2.73	2.68
21.2	1.14	47.1	47.1	2.43	2.54
21.25	1.2	44.8	44.8	2.67	2.45
21.3	1.26	46.1	46.2	2.73	2.86
21.35	1.41	47.9	47.9	2.94	2.77
21.4	1.5	48	48.1	3.12	2.53
21.45	1.54	47.6	47.6	3.24	2.64
21.5	1.57	48.4	48.4	3.24	2.92
21.55	1.52	49.9	49.9	3.05	2.92
21.6	1.55	50.6	50.6	3.06	3.17
21.65	1.56	50.5	50.6	3.08	2.89
21.7	1.57	50.5	50.6	3.1	3.27
21.75	1.57	51.1	51.2	3.07	3.17
21.8	1.77	52.4	52.5	3.38	3.18
21.85	1.98	55.8	55.9	3.54	2.89
21.9	2.14	55	55.1	3.89	2.99
21.95	2.17	53.3	53.4	4.07	3.27
22	1.91	52	52.1	3.67	3.36
22.05	1.81	48.3	48.3	3.74	3.25
22.1	1.96	49.4	49.4	3.97	3.14
22.15	2.01	51.1	51.2	3.92	3
22.2	2.06	49	49	4.21	3.19
22.25	1.87	49.2	49.2	3.8	3.11
22.3	1.9	50.2	50.3	3.79	3.18
22.35	1.88	49.6	49.6	3.8	3.32
22.4	2.06	49.1	49.2	4.2	3.43
22.45	2.03	49.7	49.8	4.08	3.3
22.5	1.97	52.3	52.4	3.76	3.48
22.55	1.92	51.4	51.4	3.74	3.56
22.6	1.94	51	51.1	3.79	3.57
22.65	1.97	52.9	52.9	3.72	3.5
22.7	1.94	52.2	52.3	3.71	3.28
22.75	1.85	51.9	52	3.55	3.41
22.8	0	52.8	52.9	0	3.66
22.85	0	56	56.1	0	3.48

Depth (m)	Sleeve (tsf)	Tip(unc) (tsf)	Tip(cor) (tsf)	F. Ratio (%)	U (psi)
0.05	0	14.8	14.8	0	-0.01
0.1	0.02	20.7	20.7	0.11	-0.09
0.15	0.04	22.7	22.7	0.18	0.16
0.2	0.04	25.5	25.5	0.17	0.17
0.25	0.08	28.4	28.4	0.3	0.31
0.3	0.17	30.1	30.1	0.55	-0.14
0.35	0.17	32.9	32.9	0.51	-0.07
0.4	0.2	35.2	35.2	0.57	0.08
0.45	0.32	44.2	44.2	0.71	0.01
0.5	0.6	57.1	57.1	1.05	0.27
0.55	1.06	57.7	57.7	1.83	0.18
0.6	1.4	54.1	54.1	2.59	0.3
0.65	1.5	51.4	51.4	2.93	0.03
0.7	1.63	56	56	2.91	0.39
0.75	1.81	67.5	67.5	2.68	0.46
0.8	1.98	75.3	75.3	2.63	0.76
0.85	1.6	80.1	80.1	2	1.1
0.9	1.89	71.8	71.8	2.63	0.52
0.95	2.65	72.9	72.9	3.63	0.55
1	2.8	81.1	81.1	3.45	0.5
1.05	2.81	79.8	79.8	3.52	0.76
1.1	2.65	73.9	73.9	3.58	0.58
1.15	2.26	65	65	3.48	0.42
1.2	1.79	56.4	56.5	3.18	0.64
1.25	1.42	48.4	48.4	2.93	0.37
1.3	1.31	50.4	50.4	2.6	0.31
1.35	1.78	57.9	57.9	3.07	0.47
1.4	2.46	58.8	58.8	4.19	0.32
1.45	2.97	53.1	53.1	5.6	0.31
1.5	3.18	51.7	51.7	6.14	0.54
1.55	3.24	49.9	49.9	6.5	0.42
1.6	3.18	50.7	50.7	6.27	0.33
1.65	3.44	51.1	51.1	6.73	0.34
1.7	3.6	51.4	51.4	7	0.17
1.75	3.85	53.2	53.2	7.24	-0.1
1.8	3.98	55.5	55.5	7.17	-0.19
1.85	4.07	56	56	7.27	-0.29
1.9	4.15	57.6	57.6	7.21	0
1.95	4.43	59.6	59.6	7.43	-0.23
2	4.71	62.3	62.3	7.55	-0.15
2.05	4.9	62.8	62.8	7.8	0.1
2.1	5.08	64.2	64.2	7.9	0.44
2.15	5.22	67	67	7.79	0.37
2.2	5.32	67.8	67.8	7.85	0.39

2.25	5.42	68.8	68.8	7.88	0.59
2.3	5.35	68	68	7.86	0.49
2.35	5.22	67.2	67.2	7.76	0.34
2.4	5.07	65.9	65.9	7.69	0.57
2.45	5.02	65.6	65.6	7.64	0.47
2.5	4.8	64.9	64.9	7.4	0.22
2.55	4.4	63.8	63.8	6.89	0.39
2.6	4.19	61.5	61.5	6.82	0.48
2.65	3.98	59.4	59.4	6.7	0.54
2.7	3.9	60.2	60.2	6.48	0.33
2.75	3.83	57.4	57.4	6.66	0.21
2.8	3.43	55.2	55.2	6.21	0.33
2.85	2.94	51.3	51.3	5.73	0.34
2.9	2.35	46	46	5.11	0.33
2.95	2.01	42.8	42.8	4.71	0.57
3	1.93	42	42	4.61	0.4
3.05	1.88	41.3	41.3	4.55	0.55
3.1	1.79	40	40	4.47	0.5
3.15	1.59	39.2	39.2	4.05	0.49
3.2	1.4	36.7	36.8	3.81	0.57
3.25	1.32	33	33	4	0.48
3.3	1.37	31.9	32	4.28	0.53
3.35	1.34	31.9	31.9	4.22	0.4
3.4	1.18	33.6	33.6	3.51	0.53
3.45	0.95	36.7	36.7	2.58	0.33
3.5	0.75	39.2	39.2	1.91	0.36
3.55	0.77	38.7	38.7	2	0.6
3.6	0.69	43.2	43.3	1.59	0.37
3.65	0.65	43.7	43.7	1.49	0.53
3.7	0.68	42.1	42.1	1.6	0.03
3.75	0.77	48.5	48.5	1.58	0.39
3.8	0.77	60.9	60.9	1.26	0.37
3.85	0.82	72.6	72.6	1.13	0.35
3.9	0.98	76.1	76.1	1.28	0.53
3.95	1.11	88.5	88.5	1.25	0.17
4	1.14	103.9	103.9	1.09	0.01
4.05	1.03	99.3	99.4	1.03	0.38
4.1	0.85	77.2	77.2	1.1	0.08
4.15	0.76	54.2	54.2	1.41	0.21
4.2	0.81	37.2	37.2	2.19	0.33
4.25	1.04	28.7	28.8	3.61	0.28
4.3	1.22	24.9	24.9	4.9	0.21
4.35	1.2	23.5	23.5	5.12	0.27
4.4	1.09	26	26	4.19	0.3
4.45	0.98	29.3	29.3	3.36	0.23
4.5	1.05	34.8	34.8	3.01	0.24
4.55	1.1	37.5	37.5	2.92	0.14

4.6	1.01	44.4	44.4	2.27	0.22
4.65	1	54.3	54.3	1.83	0.18
4.7	1.05	62.5	62.5	1.69	0.2
4.75	1.16	74.1	74.1	1.57	0
4.8	1.15	106.3	106.3	1.08	0.21
4.85	1.03	139.2	139.2	0.74	0.27
4.9	0.73	132.3	132.4	0.55	0.21
4.95	0.61	113.3	113.3	0.53	0.28
5	0.63	91.4	91.4	0.69	0.2
5.05	0.7	70.4	70.4	0.99	0.17
5.1	0.83	50.8	50.8	1.64	0.26
5.15	0.93	35.6	35.6	2.62	-0.07
5.2	1.2	25.8	25.8	4.68	0.08
5.25	1.07	18.6	18.6	5.77	-0.07
5.3	0.95	37.2	37.2	2.55	0.51
5.35	1.11	107.6	107.6	1.03	0.58
5.4	1.56	154.7	154.7	1.01	0.29
5.45	1.89	179.5	179.5	1.05	0.32
5.5	2.13	184.2	184.2	1.16	0.26
5.55	2.3	182	182	1.26	0.55
5.6	2.48	179.7	179.7	1.38	0.39
5.65	2.73	185.3	185.3	1.47	0.5
5.7	2.66	193.9	193.9	1.37	0.58
5.75	2.77	218.2	218.2	1.27	0.69
5.8	2.51	263.7	263.7	0.95	0.74
5.85	2.3	274.9	274.9	0.84	0.73
5.9	2.02	264.2	264.2	0.76	0.73
5.95	1.72	269.5	269.6	0.64	0.88
6	1.75	250.7	250.7	0.7	0.97
6.05	2.88	230.6	230.6	1.25	0.88
6.1	3	229.7	229.7	1.31	0.68
6.15	2.97	210.4	210.4	1.41	0.72
6.2	2.22	193.4	193.4	1.15	0.55
6.25	1.55	170.4	170.4	0.91	0.93
6.3	1.63	153.9	153.9	1.06	0.97
6.35	1.39	145.3	145.3	0.96	0.71
6.4	1.06	140	140	0.76	0.61
6.45	0.93	137.5	137.5	0.68	0.5
6.5	1.56	140.8	140.8	1.11	0.21
6.55	2.36	146.4	146.4	1.61	0.43
6.6	3.41	130.5	130.5	2.61	0.49
6.65	3.67	108.7	108.7	3.38	0.65
6.7	3.83	93.6	93.6	4.09	0.89
6.75	3.53	97.9	97.9	3.61	0.8
6.8	3.39	97.9	97.9	3.46	0.55
6.85	3.33	93	93	3.58	0.63
6.9	3.46	93.1	93.1	3.71	0.76

6.95	3.03	93.1	93.1	3.26	0.43
7	2.83	103.3	103.3	2.74	0.47
7.05	3.55	219.4	219.4	1.62	0.65
7.1	4.03	355.6	355.7	1.13	0.54
7.15	4.27	424.6	424.6	1.01	0.48
7.2	4.65	443.8	443.8	1.05	0.57
7.25	5.4	422.6	422.6	1.28	0.89
7.3	4.49	369.7	369.7	1.21	0.51
7.35	3.95	326.2	326.2	1.21	0.51
7.4	3.75	311.4	311.4	1.2	0.78
7.45	4.44	299.6	299.6	1.48	0.48
7.5	3.91	257.5	257.5	1.52	0.48
7.55	3.24	238.1	238.1	1.36	0.64
7.6	2.98	220.9	220.9	1.35	0.92
7.65	2.47	199.3	199.3	1.24	0.48
7.7	2.6	161.5	161.5	1.61	0.62
7.75	3.02	131.7	131.7	2.29	0.7
7.8	3.39	110.1	110.1	3.08	0.51
7.85	3.42	108.1	108.1	3.17	0.43
7.9	3.15	105.4	105.4	2.99	0.63
7.95	2.81	98.4	98.4	2.85	0.61
8	2.5	96.7	96.7	2.58	0.34
8.05	2.45	105.6	105.6	2.32	0.34
8.1	1.96	129.5	129.5	1.51	0.28
8.15	1.89	150.6	150.6	1.25	0.13
8.2	1.87	182.6	182.6	1.02	-0.13
8.25	1.86	242.9	242.9	0.76	-0.26
8.3	2.05	290.2	290.2	0.71	-0.2
8.35	2.5	296	296	0.85	-0.17
8.4	3.45	254.2	254.2	1.36	-0.13
8.45	4.11	213.2	213.1	1.93	-0.11
8.5	4.7	151.8	151.8	3.09	-0.23
8.55	4.88	133.8	133.8	3.64	0.01
8.6	4.76	120.7	120.7	3.95	0.52
8.65	4.29	124.2	124.3	3.45	0.56
8.7	3.46	132	132	2.62	0.32
8.75	2.92	149.3	149.3	1.95	0.41
8.8	2.61	181.2	181.2	1.44	0.35
8.85	2.57	196.2	196.2	1.31	0.27
8.9	2.59	193.9	193.9	1.33	-0.07
8.95	2.38	201.8	201.8	1.18	0.12
9	1.91	236.1	236.1	0.81	-0.13
9.05	1.61	261.4	261.4	0.62	0.07
9.1	1.8	249.4	249.4	0.72	-0.03
9.15	1.89	225	225	0.84	-0.04
9.2	1.64	209.4	209.4	0.78	-0.31
9.25	1.68	214	214	0.78	-0.26

9.3	1.81	218.2	218.2	0.83	-0.37
9.35	1.8	229.2	229.2	0.79	-0.17
9.4	2.35	224.1	224.1	1.05	-0.02
9.45	2.33	234.4	234.4	0.99	-0.02
9.5	2.3	219.3	219.2	1.05	-0.4
9.55	1.92	219.5	219.5	0.88	-0.57
9.6	1.77	224.9	224.9	0.79	-0.77
9.65	1.85	247.6	247.6	0.75	-0.91
9.7	1.69	249.3	249.3	0.68	-1.13
9.75	1.34	210.6	210.6	0.64	-1.57
9.8	1	178.5	178.5	0.56	-1.64
9.85	0.72	155.6	155.5	0.46	-1.6
9.9	0.94	146	146	0.64	-1.81
9.95	1.02	149.9	149.8	0.68	-2
10	1.12	150.3	150.2	0.75	-1.98
10.05	2.09	169	169	1.24	-2.75
10.1	2.42	228.1	228.1	1.06	-2.97
10.15	3.31	292.8	292.7	1.13	-2.93
10.2	3.4	341.9	341.9	0.99	-2.91
10.25	2.74	310.9	310.8	0.88	-3.49
10.3	2.33	278.9	278.8	0.83	-4.65
10.35	2.93	223.3	223.2	1.31	-4.73
10.4	2.77	171.7	171.7	1.61	-4.63
10.45	3.06	103.4	103.3	2.96	-5.01
10.5	2.44	62.4	62.4	3.91	-5.33
10.55	1.92	37.7	37.7	5.09	-5.13
10.6	1.31	25.1	25	5.22	-5.01
10.65	1.28	25.8	25.7	4.97	-4.93
10.7	1.26	37.6	37.5	3.35	-4.87
10.75	1.34	29.6	29.6	4.54	-5.12
10.8	1.26	30.1	30.1	4.2	-5.08
10.85	0.65	35.3	35.3	1.84	-5.2
10.9	1.42	30.5	30.4	4.66	-5.44
10.95	1.65	25.3	25.2	6.55	-5.25
11	1.54	44.4	44.4	3.47	-5.31
11.05	1.53	25.8	25.7	5.96	-5.46
11.1	1.81	42.1	42	4.31	-5.34
11.15	1.83	41.5	41.4	4.42	-5.45
11.2	1.62	27.2	27.1	5.96	-5.34
11.25	1.44	33.4	33.3	4.31	-5.22
11.3	2.06	178.2	178.1	1.16	-5.41
11.35	2.55	223.1	223	1.14	-5.55
11.4	2.58	209.6	209.5	1.23	-5.31
11.45	2.56	178.1	178.1	1.44	-5.67
11.5	3.3	155	154.9	2.13	-5.69
11.55	3.36	138.5	138.5	2.42	-5.24
11.6	2.58	145.3	145.2	1.77	-5.23

11.65	1.52	167.7	167.7	0.91	-4.5
11.7	1.2	174.7	174.6	0.69	-5.2
11.75	1.18	162.3	162.2	0.72	-5.49
11.8	1.13	163.4	163.4	0.69	-4.35
11.85	1.29	180.8	180.7	0.71	-4.99
11.9	1.63	189	189	0.86	-4.95
11.95	1.79	193.3	193.3	0.93	-5.19
12	1.98	204.8	204.7	0.96	-4.76
12.05	2.02	216	215.9	0.94	-4.48
12.1	2.09	220.6	220.5	0.95	-4.72
12.15	2.17	232.7	232.7	0.93	-4.75
12.2	2.15	245.6	245.5	0.88	-4.79
12.25	2.11	264.3	264.3	0.8	-4.38
12.3	2.36	263.1	263	0.9	-4.93
12.35	2.29	246.5	246.5	0.93	-4.42
12.4	2.31	208.3	208.2	1.11	-4.85
12.45	2.47	178.4	178.4	1.39	-3.54
12.5	3	105.8	105.7	2.84	-4.98
12.55	3.05	65.5	65.4	4.67	-4.93
12.6	2.59	46.5	46.4	5.57	-3.25
12.65	1.73	29.5	29.4	5.88	-4.36
12.7	1.2	25	25	4.81	-4.18
12.75	0.96	29.5	29.5	3.24	-3.07
12.8	1.04	29	28.9	3.61	-3.83
12.85	1.1	26.1	26	4.24	-4.43
12.9	1.4	26.7	26.7	5.26	-4.51
12.95	1.78	33.3	33.3	5.35	-3.78
13	1.89	40.7	40.6	4.66	-4.29
13.05	1.71	40.3	40.2	4.25	-3.99
13.1	1.67	32.7	32.6	5.13	-4.58
13.15	2.05	35.2	35.1	5.85	-4.17
13.2	2.49	43.8	43.7	5.71	-4.4
13.25	2.64	45.1	45.1	5.87	-4.83
13.3	2.93	44.6	44.6	6.57	-4.31
13.35	2.51	48.3	48.2	5.21	-4.64
13.4	2.51	41.1	41	6.12	-4.51
13.45	2.11	40.8	40.7	5.2	-4.18
13.5	1.91	72.1	72.1	2.65	-4.16
13.55	1.89	110.9	110.8	1.71	-4.62
13.6	2.06	133.9	133.9	1.54	-4.56
13.65	2.33	154	153.9	1.51	-5.03
13.7	1.78	171	171	1.04	-4.84
13.75	1.54	184.3	184.2	0.84	-4.43
13.8	1.62	165.5	165.5	0.98	-4.77
13.85	1.48	147.9	147.8	1	-4.56
13.9	2.2	132.2	132.2	1.67	-4.27
13.95	3.19	109.6	109.5	2.91	-4.28

14	4.09	97.2	97.1	4.21	-4.43
14.05	4.67	90.7	90.7	5.15	-4.6
14.1	3.36	70.5	70.4	4.78	-4.33
14.15	2.75	51.6	51.6	5.33	-4.21
14.2	2.63	45.5	45.5	5.78	-3.87
14.25	2.33	99.6	99.5	2.34	-4.05
14.3	3.65	118.7	118.6	3.08	-4.28
14.35	3.96	93.3	93.3	4.25	-4.14
14.4	4.72	92.7	92.6	5.1	-3.7
14.45	5.48	144.3	144.3	3.8	-3.61
14.5	4.86	196.2	196.1	2.48	-3.76
14.55	3.96	192.4	192.3	2.06	-3.94
14.6	4.3	157.7	157.7	2.73	-3.99
14.65	4.14	130.9	130.9	3.17	-3.76
14.7	5.17	107.1	107	4.83	-3.76
14.75	5.23	97.5	97.5	5.36	-3.75
14.8	5	114.7	114.6	4.36	-3.53
14.85	5.01	220.8	220.8	2.27	-3.59
14.9	4.39	288.6	288.5	1.52	-3.74
14.95	4.17	310.7	310.7	1.34	-3.63
15	4.83	309.2	309.2	1.56	-3.71
15.05	5.57	302.4	302.3	1.84	-3.69
15.1	6.25	328.5	328.4	1.9	-3.73
15.15	5.91	344	343.9	1.72	-3.61
15.2	4.58	321.8	321.8	1.42	-3.57
15.25	3.44	275.9	275.9	1.25	-3.74
15.3	3.75	227.1	227	1.65	-3.66
15.35	5.65	195.1	195	2.9	-3.72
15.4	6.9	166.2	166.1	4.15	-3.52
15.45	6.88	198.5	198.5	3.47	-3.03
15.5	5.49	274.3	274.2	2	-3
15.55	3.33	260.5	260.4	1.28	-3.49
15.6	2.46	213.8	213.8	1.15	-3.47
15.65	2.99	156.3	156.2	1.91	-3.51
15.7	4.12	107.3	107.3	3.84	-3.71
15.75	3.27	76.7	76.7	4.26	-3.92
15.8	2.93	55.7	55.7	5.26	-3.53
15.85	3.49	56.8	56.8	6.15	-3.42
15.9	4.03	173.7	173.7	2.32	-3.36
15.95	4.94	242.7	242.6	2.03	-3.83
16	3.38	307.8	307.8	1.1	-3.5
16.05	5.32	430.4	430.4	1.24	-3.69
16.1	5.91	611.7	611.6	0.97	-3.81
16.15	7.98	620	620	1.29	-4.01
16.2	9.16	614.7	614.6	1.49	-3.61
16.25	9.87	561.6	561.6	1.76	-3.51
16.3	10.31	562.6	562.6	1.83	-3.65

16.35	10.4	545.5	545.4	1.91	-3.58
16.4	9.4	498.4	498.4	1.89	-3.57
16.45	8.76	457	456.9	1.92	-3.42
16.5	7.56	430.1	430	1.76	-3.35
16.55	5.8	376.4	376.4	1.54	-3.55
16.6	4.98	336.6	336.6	1.48	-3.6
16.65	7.1	284.9	284.8	2.49	-4.21
16.7	6.99	184.4	184.3	3.79	-4.74
16.75	5.56	105.5	105.5	5.27	-4.17
16.8	4.37	79.2	79.2	5.52	-3.73
16.85	3.15	71.1	71.1	4.43	-3.51
16.9	2.93	70.3	70.3	4.17	-3.54
16.95	2.84	95.4	95.3	2.98	-3.45
17	2.9	99.5	99.4	2.92	-3.86
17.05	2.35	73.8	73.8	3.19	-4.21
17.1	1.99	48	47.9	4.16	-4.24
17.15	1.31	42.2	42.1	3.12	-4.22
17.2	1.05	40.8	40.7	2.58	-4.07
17.25	1.07	41.6	41.6	2.57	-4.37
17.3	1.1	45.2	45.2	2.43	-4.17
17.35	1.16	48.2	48.2	2.4	-3.96
17.4	1.13	42.8	42.7	2.64	-3.97
17.45	1.04	38.7	38.6	2.68	-4.34
17.5	0.91	37.7	37.6	2.43	-4.19
17.55	0.92	36.7	36.7	2.51	-4.61
17.6	0.95	35.4	35.3	2.68	-4.65
17.65	0.94	36	35.9	2.6	-4.65
17.7	0.97	36.9	36.8	2.63	-4.44
17.75	1.04	40.1	40	2.59	-4.75
17.8	1.04	39.5	39.4	2.64	-4.6
17.85	1.18	38.9	38.8	3.03	-4.12
17.9	1.17	41.2	41.2	2.83	-4.38
17.95	1.45	43.5	43.4	3.34	-3.91
18	1.84	48.6	48.5	3.79	-4.12
18.05	2.18	60.7	60.6	3.59	-4.82
18.1	2.12	45.8	45.7	4.63	-4.69
18.15	1.74	35.3	35.2	4.95	-3.98
18.2	1.08	33.8	33.7	3.2	-4.35
18.25	0.97	35.7	35.7	2.72	-4.26
18.3	1.08	37.8	37.8	2.85	-4.37
18.35	1.05	39.3	39.2	2.68	-4.66
18.4	1.05	34.3	34.2	3.07	-4.1
18.45	1.07	32.2	32.1	3.33	-4.43
18.5	0.96	32.3	32.3	2.97	-3.72
18.55	1.08	33.5	33.4	3.24	-3.83
18.6	1.15	34.2	34.1	3.38	-4.07
18.65	1.13	35	34.9	3.24	-3.54

18.7	1.13	34.2	34.2	3.31	-3.72
18.75	1.08	33.5	33.4	3.24	-3.76
18.8	1.09	33	32.9	3.31	-3.94
18.85	1.07	32.4	32.3	3.3	-4.3
18.9	1.08	33.7	33.7	3.19	-3.51
18.95	1.07	33.2	33.2	3.24	-4.07
19	1.08	34.7	34.6	3.12	-3.7
19.05	1.13	35	34.9	3.24	-3.89
19.1	1.15	35.2	35.2	3.28	-4.02
19.15	1.15	35.6	35.6	3.24	-3.44
19.2	1.14	35.4	35.3	3.24	-3.62
19.25	1.14	35.1	35	3.26	-3.6
19.3	1.14	33.6	33.6	3.38	-4.03
19.35	1.12	32.4	32.4	3.45	-4.04
19.4	1.04	31.7	31.6	3.28	-3.7
19.45	1.04	32.1	32.1	3.24	-3.45
19.5	1.01	32.6	32.5	3.1	-3.45
19.55	1.02	34.2	34.2	2.99	-3.87
19.6	1.08	35.4	35.4	3.06	-3.79
19.65	1.15	36.1	36.1	3.18	-3.52
19.7	1.2	35.6	35.6	3.39	-3.35
19.75	1.18	34.1	34	3.46	-3.39
19.8	1.16	33.7	33.7	3.46	-3.5
19.85	1.1	33.6	33.5	3.29	-3.67
19.9	1.09	33.8	33.7	3.23	-3.39
19.95	1.12	34.9	34.8	3.21	-3.66
20	1.12	35.1	35	3.2	-3.2
20.05	1.14	33.2	33.2	3.45	-3.21
20.1	1.16	33.5	33.4	3.46	-3.35
20.15	1.15	34.2	34.1	3.36	-3.38
20.2	1.14	34.2	34.2	3.34	-3.32
20.25	1.15	33.8	33.7	3.4	-3.27
20.3	1.15	34.1	34.1	3.38	-3.13
20.35	1.14	35.5	35.5	3.22	-3.16
20.4	1.14	35	34.9	3.26	-3.28
20.45	1.08	34.9	34.8	3.1	-3.16
20.5	1.05	35.8	35.7	2.93	-3
20.55	1.04	34.7	34.7	3.01	-3.04
20.6	1.01	34.9	34.9	2.91	-3.08
20.65	1.01	35.9	35.9	2.81	-2.92
20.7	1.11	37.9	37.8	2.94	-3.01
20.75	1.24	39	38.9	3.18	-2.9
20.8	1.41	39.6	39.5	3.58	-2.99
20.85	1.48	39.7	39.7	3.73	-3.01
20.9	1.61	38.9	38.9	4.15	-2.92
20.95	1.6	37.5	37.5	4.27	-3.13
21	1.55	40.2	40.2	3.87	-2.86

21.05	1.6	40.8	40.8	3.93	-2.98
21.1	1.6	40.7	40.6	3.92	-2.87
21.15	1.6	44.1	44.1	3.63	-2.7
21.2	1.61	45.7	45.7	3.53	-2.79
21.25	1.54	44	44	3.5	-2.89
21.3	1.49	44.1	44.1	3.39	-2.48
21.35	1.53	43.8	43.7	3.5	-2.75
21.4	1.8	47	46.9	3.83	-2.54
21.45	2.56	55.5	55.5	4.62	-2.49
21.5	3.92	92.2	92.1	4.26	-2.39
21.55	5.13	230.6	230.6	2.23	-2.21
21.6	7.05	245.2	245.1	2.88	-2.87
21.65	8.97	365.4	365.4	2.46	-2.37
21.7	12.4	480.9	480.9	2.58	-2.13
21.75	11.36	494.4	494.4	2.3	-2.41
21.8	10.75	389.1	389	2.76	-2.63
21.85	10.05	378.4	378.4	2.66	-1.03
21.9	11.74	346	346	3.39	-1.72
21.95	11.37	326.8	326.8	3.48	-1.82
22	11.64	344.5	344.4	3.38	-1.44
22.05	7.57	379.2	379.2	2	-1.56
22.1	9.96	440.7	440.7	2.26	-1.24
22.15	8.06	470.9	470.9	1.71	-1.31
22.2	7.19	520.2	520.2	1.38	-1.45
22.25	6.81	549.9	549.8	1.24	-1.54
22.3	8.86	516	516	1.72	-1.68
22.35	10.87	495.2	495.2	2.2	-1.61
22.4	8.56	486.6	486.6	1.76	-1.61
22.45	10.8	471.3	471.3	2.29	-2.28
22.5	13.12	462.7	462.7	2.84	-2.26
22.55	11.73	445	444.9	2.64	-1.69
22.6	9.96	437.5	437.5	2.28	-1.76
22.65	13.02	457.5	457.5	2.85	-1.84
22.7	12	410.7	410.6	2.92	-2.07
22.75	11.62	460.6	460.6	2.52	-1.83
22.8	0	469.8	469.8	0	-1.76
22.85	0	522.4	522.4	0	-2.37