

\* BIT # 22 SMITH F3 BIT DIAMETER : 12.25 inch NOZZ 16/16/16

MUD RHEOLOGICAL PARAMETERS : PV = 14 YP = 13 GEL = 4

* TIME *	* MEASURED *	* DEPTHS *			* DRILLING PARAMETERS *				* MUD PARAMETERS *				* GAG *				* OVERPRESSURE SURVEY *				* ACCUMULATED ON BIT *				
		VERTCL	LAGGED	* ROP *	* WOB *	RPM	TORG	PRESS	FLOW	* PIT *	DENSITY	TEMPERATURE	RESISTIVITY	* GAG *	DCS	NORM	PF	CCD	FRAC	* FEET *	TIME	COST			
* Hr:mn *	* feet	feet	feet	* ft/h *	* klbs	rpm	ftlb	psi	IN	* VOL *	IN	OUT	IN	OUT	OHM	* unit *	ppg	ppg	ppg	* feet	Dhr	\$			
D * 19: 5	* 8784.2	8781.2	8728.0	* 39.8 *	* 35.4 *	89	2700	1876	516	* 552 *	9.2	9.7	81.8	99.0	1.01	.95	* 7 *	1.27	1.53	* 10.5 *	9.3	16.3	* 349.0 *	8.58	177 *
D * 19: 7	* 8785.1	8781.2	8730.0	* 39.8 *	* 33.6 *	89	2600	1876	516	* 550 *	9.2	9.6	81.9	99.2	1.00	.95	* 7 *	1.27	1.53	* 10.5 *	9.3	16.3	* 349.0 *	8.61	177 *
D * 19: 8	* 8786.2	8783.2	8730.0	* 117.8 *	* 33.7 *	91	2600	1872	513	* 546 *	9.2	9.6	82.0	98.8	1.00	.95	* 7 *	.97	1.53	* 10.0 *	9.3	16.2	* 351.0 *	8.62	176 *
D * 19: 10	* 8787.0	8784.0	8730.0	* 46.9 *	* 35.4 *	88	2800	1876	517	* 546 *	9.2	9.8	82.0	99.1	1.00	.95	* 7 *	1.22	1.54	* 10.0 *	9.3	16.2	* 351.8 *	8.64	176 *
D * 19: 11	* 8788.5	8785.1	8731.0	* 26.4 *	* 37.1 *	87	2700	1867	517	* 550 *	9.2	9.7	82.4	99.3	1.00	.94	* 7 *	1.40	1.54	* 9.6 *	9.3	16.1	* 352.9 *	8.68	176 *
D * 19: 12	* 8789.3	8785.1	8731.0	* 26.4 *	* 35.7 *	88	2700	1872	517	* 550 *	9.2	9.7	82.5	98.6	1.00	.95	* 7 *	1.40	1.54	* 9.6 *	9.3	16.1	* 352.9 *	8.69	176 *
D * 19: 14	* 8790.7	8787.7	8732.0	* 40.5 *	* 34.9 *	88	2700	1872	516	* 550 *	9.2	9.6	82.6	97.8	.99	.95	* 7 *	1.27	1.54	* 10.5 *	9.3	16.4	* 355.5 *	8.73	175 *
D * 19: 16	* 8791.0	8788.0	8732.0	* 7.7 *	* 39.0 *	88	2400	1862	513	* 548 *	9.2	9.6	82.8	97.7	.99	.96	* 7 *	1.71	1.54	* 10.0 *	9.3	16.2	* 355.8 *	8.77	175 *
D * 19: 20	* 8792.3	8788.0	8734.0	* 7.7 *	* 37.4 *	88	2600	1858	517	* 548 *	9.3	9.6	83.2	100.0	.99	.93	* 7 *	1.71	1.54	* 10.0 *	9.3	16.2	* 355.0 *	8.83	175 *
D * 19: 23	* 8794.0	8791.0	8735.0	* 33.0 *	* 36.4 *	89	2700	1858	512	* 550 *	9.3	9.7	83.2	99.7	.98	.94	* 7 *	1.33	1.54	* 10.1 *	9.3	16.3	* 358.8 *	8.88	175 *
D * 19: 24	* 8794.1	8791.0	8735.0	* 33.0 *	* 34.0 *	92	2600	1848	516	* 548 *	9.2	9.6	83.2	99.6	.98	.94	* 7 *	1.33	1.54	* 10.1 *	9.3	16.3	* 358.8 *	8.89	175 *
D * 19: 26	* 8795.0	8792.0	8735.0	* 23.8 *	* 37.4 *	89	2800	1858	512	* 542 *	9.3	9.7	83.4	99.3	.98	.95	* 7 *	1.41	1.54	* 9.6 *	9.3	16.1	* 359.8 *	8.93	175 *
D * 19: 28	* 8796.4	8793.4	8737.0	* 41.7 *	* 34.5 *	89	2700	1858	513	* 542 *	9.2	9.5	83.6	99.2	.98	.96	* 7 *	1.25	1.54	* 10.6 *	9.3	16.4	* 361.2 *	8.96	175 *
D * 19: 30	* 8797.2	8794.2	8742.0	* 13.1 *	* 36.1 *	92	2800	1862	512	* 548 *	9.3	9.3	84.0	98.9	.98	.98	* 7 *	1.53	1.54	* 10.0 *	9.3	16.2	* 362.0 *	9.03	175 *
D * 19: 37	* 8798.3	8794.2	8744.0	* 13.1 *	* 33.6 *	91	3500	1862	516	* 544 *	9.3	9.3	84.0	98.2	.98	1.00	* 7 *	1.53	1.54	* 10.0 *	9.3	16.2	* 362.0 *	9.05	175 *
D * 19: 42	* 8799.3	8796.3	8744.0	* 27.8 *	* 35.7 *	93	2600	1858	512	* 536 *	9.3	9.4	84.1	98.3	.98	1.00	* 7 *	1.37	1.54	* 9.8 *	9.3	16.2	* 364.1 *	9.09	175 *
D * 19: 47	* 8800.3	8797.3	8750.0	* 11.7 *	* 38.3 *	92	2800	1858	512	* 530 *	9.3	9.3	84.2	97.0	.98	1.02	* 7 *	1.64	1.54	* 10.0 *	9.3	16.2	* 365.1 *	9.18	175 *
D * 19: 49	* 8801.2	8798.2	8750.0	* 27.1 *	* 34.2 *	95	2800	1858	514	* 530 *	9.3	9.3	84.2	96.6	.98	1.03	* 7 *	1.40	1.54	* 9.6 *	9.4	16.1	* 366.0 *	9.21	175 *
D * 19: 51	* 8802.0	8798.2	8752.0	* 27.1 *	* 35.5 *	93	2900	1853	516	* 526 *	9.3	9.4	84.3	96.9	.98	1.02	* 7 *	1.40	1.54	* 9.6 *	9.3	16.1	* 366.0 *	9.24	175 *
D * 19: 53	* 8803.1	8799.0	8754.0	* 22.5 *	* 35.8 *	92	2900	1853	513	* 522 *	9.3	9.3	84.3	97.0	.98	1.02	* 7 *	1.44	1.54	* 10.0 *	9.3	16.2	* 366.9 *	9.28	175 *
D * 19: 54	* 8804.2	8801.1	8754.0	* 62.0 *	* 32.3 *	94	2700	1858	511	* 524 *	9.3	9.3	84.3	97.3	.98	1.02	* 7 *	1.14	1.54	* 10.0 *	9.4	16.2	* 368.9 *	9.30	174 *
D * 19: 56	* 8805.3	8801.1	8754.0	* 62.0 *	* 31.8 *	94	2600	1853	516	* 520 *	9.3	9.3	84.2	97.4	.99	1.02	* 7 *	1.14	1.54	* 10.0 *	9.3	16.2	* 368.9 *	9.32	174 *
D * 19: 58	* 8806.5	8803.5	8757.0	* 33.2 *	* 31.9 *	92	2700	1848	516	* 518 *	9.3	9.3	84.3	96.9	.99	1.03	* 7 *	1.31	1.54	* 10.2 *	9.3	16.2	* 371.3 *	9.36	174 *
D * 19: 59	* 8807.4	8803.5	8757.0	* 33.2 *	* 34.8 *	93	2700	1848	513	* 516 *	9.3	9.3	84.3	97.3	.99	1.02	* 7 *	1.31	1.54	* 10.2 *	9.3	16.3	* 371.3 *	9.38	174 *
D * 20: 1	* 8808.1	8805.1	8759.0	* 28.8 *	* 35.8 *	93	2800	1858	521	* 514 *	9.3	9.2	84.2	97.0	.99	1.03	* 7 *	1.45	1.54	* 10.0 *	9.3	16.2	* 372.9 *	9.42	174 *
D * 20: 3	* 8809.1	8805.1	8761.0	* 28.8 *	* 35.1 *	92	2700	1853	517	* 514 *	9.3	9.3	84.3	98.0	.99	1.02	* 7 *	1.45	1.54	* 10.0 *	9.3	16.2	* 372.9 *	9.45	174 *
D * 20: 5	* 8810.0	8807.0	8761.0	* 29.0 *	* 34.2 *	93	2700	1853	512	* 512 *	9.3	9.3	84.3	98.5	.99	1.01	* 7 *	1.36	1.54	* 9.9 *	9.3	16.2	* 374.8 *	9.48	173 *
D * 20: 7	* 8811.1	8807.0	8763.0	* 29.0 *	* 34.5 *	93	2700	1853	516	* 512 *	9.3	9.3	84.2	99.1	.99	1.01	* 7 *	1.36	1.54	* 9.9 *	9.4	16.2	* 374.8 *	9.51	173 *
D * 20: 9	* 8812.7	8809.7	8763.0	* 38.3 *	* 33.4 *	93	3000	1853	516	* 512 *	9.3	9.3	84.3	99.7	1.00	1.00	* 7 *	1.27	1.54	* 10.5 *	9.3	16.4	* 377.5 *	9.55	173 *
D * 20: 10	* 8813.5	8810.5	8764.0	* 54.3 *	* 34.0 *	93	3600	1858	512	* 510 *	9.3	9.2	84.3	100.0	.99	1.00	* 7 *	1.16	1.54	* 10.0 *	9.3	16.2	* 378.3 *	9.57	173 *
D * 20: 12	* 8814.1	8811.1	8764.0	* 26.9 *	* 36.3 *	95	3500	1853	516	* 508 *	9.2	9.3	84.4	100.4	.99	1.00	* 7 *	1.40	1.54	* 9.6 *	9.3	16.2	* 378.9 *	9.59	173 *
D * 20: 14	* 8815.3	8812.3	8766.0	* 31.4 *	* 33.9 *	93	3600	1853	512	* 508 *	9.2	9.3	84.4	100.4	1.00	1.01	* 7 *	1.35	1.54	* 10.0 *	9.3	16.2	* 380.1 *	9.63	172 *
D * 20: 15	* 8816.3	8812.3	8766.0	* 31.4 *	* 38.5 *	92	3600	1853	512	* 508 *	9.3	9.3	84.4	100.3	1.00	1.01	* 7 *	1.35	1.54	* 10.0 *	9.3	16.2	* 380.1 *	9.64	172 *
D * 20: 17	* 8817.5	8814.5	8768.0	* 44.8 *	* 33.7 *	93	3600	1848	514	* 504 *	9.2	9.3	84.4	100.1	1.00	1.01	* 7 *	1.24	1.54	* 10.8 *	9.3	16.4	* 382.3 *	9.67	172 *
D * 20: 19	* 8818.7	8814.5	8768.0	* 44.8 *	* 40.8 *	95	3600	1853	508	* 504 *	9.2	9.3	84.6	100.0	1.00	1.01	* 7 *	1.24	1.54	* 10.8 *	9.3	16.4	* 382.3 *	9.70	172 *
D * 20: 19	* 8819.5	8816.5	8768.0	* 70.1 *	* 40.6 *	93	3600	1853	516	* 502 *	9.2	9.3	84.6	100.3	1.00	1.01	* 7 *	1.16	1.54	* 10.0 *	9.3	16.2	* 384.3 *	9.72	171 *
D * 20: 20	* 8820.2	8817.2	8770.0	* 50.8 *	* 38.0 *	93	3700	1853	521	* 504 *	9.2	9.4	84.6	100.2	1.00	1.01	* 7 *	1.24	1.54	* 10.7 *	9.3	16.4	* 385.0 *	9.73	171 *
D * 20: 23	* 8821.2	8818.2	8770.0	* 27.3 *	* 33.3 *	92	3700	1853	512	* 502 *	9.2	9.4	84.8	100.6	1.00	1.01	* 7 *	1.39	1.54	* 9.7 *	9.3	16.2	* 386.0 *	9.77	171 *
D * 20: 23	* 8822.2	8819.2	8772.0	* 143.1 *	* 37.1 *	91	3700	1858	519	* 500 *	9.2	9.3	84.8	100.4	1.00	1.02	* 7 *	.94	1.54	* 10.0 *	9.3	16.2	* 387.0 *	9.78	171 *
D * 20: 25	* 8823.1	8820.1	8772.0	* 26.1 *	* 37.0 *	91	3800	1853	512	* 500 *	9.3	9.3	84.8	100.2	1.00	1.02	* 7 *	1.41	1.54	* 9.5 *	9.3	16.1	* 387.9 *	9.81	171 *
D * 20: 26	* 8824.6	8821.6	8772.0	* 85.6 *	* 34.7 *	91	3800	1848	512	* 500 *	9.2	9.3	84.9	99.8	1.01	1.02	* 7 *	1.06	1.54	* 10.0 *	9.3	16.2	* 389.4 *	9.83	170 *
D * 20: 27	* 8825.0	8821.6	8774.0	* 85.6 *	* 33.1 *	91	3600	1853	508	* 498 *	9.2	9.3	84.9	100.4	1.01	1.01	* 7 *	1.06	1.54	* 10.0 *	9.3	16.2	* 389.4 *	9.85	170 *
D * 20: 29	* 8826.1	8823.1	8774.0	* 44.1 *	* 33.6 *	93	3600	1858	512	* 498 *	9.3	9.4	85.0	100.2	1.01	1.02	* 7 *	1.25	1.54	* 10.7 *	9.3	16.4	* 390.9 *	9.87	170 *
D * 20: 30	* 8827.1	8824.1	8776.0	* 46.9 *	* 34.7 *	92	3800	1858	512	* 496 *	9.2	9.4	85.1	100.0	1.01	1.02	* 7 *	1.23	1.54	* 10.0 *	9.3	16.2	* 392.0 *	9.89	170 *
D * 20: 31	* 8828.0	8825.0	8776.0	* 81.8 *	* 34.3 *	94	3800	1853	512	* 494 *	9.3	9.3	85.1	100.0	1.01	1.02	* 7 *	1.09	1.54	* 10.0 *	9.3	16.2	* 392.0 *	9.91	169 *
D * 20: 33	* 8829.7	8826.7	8778.0	* 43.8 *	* 32.7 *	91	2800	1815	512	* 494 *	9.2	9.3	85.2	99.3	1.01	1.02	* 7 *	1.23	1.54	* 10.0 *	9.3	16.2	* 394.5 *	9.94	169 *
D * 20: 40	* 8830.2	8827.2	8780.0	* 23.1 *	* 37.8 *	90	3500	1895	515	* 502 *	9.2	9.3	85.4	98.2	1.01	1.03	* 7 *	1.26	1.54	* 10.6 *	9.3	16.4	* 395.0 *	9.96	169 *
D * 20: 42	* 8831.0	8828.0	8780.0	* 26.2 *	* 38.1 *	89	3700	1923	518	* 494 *	9.2	9.3	85.4	99.1	1.01										