

466644

* BIT # 33 SMITH F7 BIT DIAMETER : 8.50 inch NOZZ 12/12/12 MUD RHEOLOGICAL PARAMETERS : PV = 14 YP = 11 GEL = 3 *

* DEPTHS *		* DRILLING PARAMETERS *						* MUD PARAMETERS *				* GAS *				* OVERPRESSURE SURVEY *				* ACCUMULATED ON BIT *					
* TIME *	* MEASURED *	* VERTCL *	* LAGGED *	* ROP *	* WOB *	* RPM *	* TORQ *	* PRESS *	* FLOW *	* PIT *	* DENSITY *	* TEMPERATURE *		* RESISTIVITY *		* DCS *	* NORM *	* PF *	* ECD *	* FRAC *	* FEET *	* TIME *	* COST *		
* Hr:mn *	* feet *	* feet *	* feet *	* ft/h *	* klbs *	* rpm *	* ftlb *	* psi *	* gpm *	* bbls *	* ppg *	* degF *		* ohm *	* unit *	* *	* ppg *	* ppg *	* ppg *	* ppg *	* feet *	* Dir *	* \$ *		
D * 13:35	* 11298.1	* 11296.0	* 11157.0	* 6.5	* 45.4	47	2100	1902	360	* 500	* 9.6	9.6	63.0	90.6	1.26	1.24	* 15	* 1.07	2.31	* 0.8	9.0	17.0	* 1.9	.26	20335 *
D * 13:38	* 11299.0	* 11297.0	* 11157.0	* 16.9	* 46.0	51	2100	1770	360	* 504	* 9.6	9.6	63.7	90.4	1.26	1.24	* 15	* 1.60	2.31	* 0.8	9.0	17.0	* 2.8	.31	13518 *
D * 13:46	* 11300.0	* 11298.0	* 11157.0	* 7.3	* 37.1	52	2100	1974	360	* 504	* 9.6	9.6	65.5	91.9	1.26	1.24	* 15	* 1.93	2.31	* 0.8	9.0	17.0	* 3.9	.45	10071 *
D * 13:54	* 11301.1	* 11298.0	* 11158.0	* 7.3	* 40.3	54	2100	1909	356	* 506	* 9.6	9.6	67.2	91.0	1.26	1.24	* 16	* 1.93	2.31	* 0.8	9.0	17.0	* 3.9	.50	10071 *
D * 14: 2	* 11302.1	* 11299.0	* 11158.0	* 7.9	* 38.2	54	2000	1705	351	* 508	* 9.6	9.6	68.0	92.0	1.26	1.22	* 16	* 1.85	2.31	* 0.8	9.0	17.0	* 4.9	.72	8046 *
D * 14: 8	* 11303.1	* 11301.0	* 11158.0	* 10.5	* 38.5	52	2000	1900	351	* 508	* 9.6	9.6	69.0	93.4	1.26	1.24	* 15	* 1.76	2.31	* 0.8	9.0	17.0	* 6.9	.01	5844 *
D * 14:16	* 11304.2	* 11302.2	* 11190.0	* 0.4	* 41.0	50	2100	1900	355	* 512	* 9.6	9.6	71.1	90.2	1.26	1.24	* 15	* 1.05	2.31	* 0.8	9.0	17.0	* 8.1	.95	5049 *
D * 14:27	* 11305.0	* 11302.2	* 11261.0	* 0.4	* 38.4	51	2000	1604	321	* 510	* 9.6	9.5	72.0	92.0	1.26	1.24	* 15	* 1.05	2.31	* 0.8	9.0	17.0	* 8.1	1.13	5049 *
D * 14:43	* 11306.0	* 11304.0	* 11296.0	* 3.6	* 41.8	51	2000	1612	325	* 504	* 9.6	9.6	73.3	92.3	1.26	1.24	* 15	* 2.20	2.31	* 9.4	9.7	17.1	* 9.0	1.40	4306 *
D * 15: 7	* 11307.0	* 11305.0	* 11299.0	* 2.5	* 42.0	49	2000	1599	325	* 502	* 9.6	9.6	75.0	94.0	1.25	1.22	* 15	* 2.29	2.31	* 0.8	9.7	17.0	* 10.0	1.00	4041 *
D * 15:24	* 11308.4	* 11305.0	* 11301.0	* 2.5	* 39.5	49	1900	1595	321	* 502	* 9.6	9.6	76.2	94.9	1.25	1.24	* 15	* 2.29	2.31	* 0.8	9.7	17.0	* 10.0	2.00	4041 *
D * 15:42	* 11309.3	* 11307.2	* 11304.0	* 3.2	* 46.4	40	1900	1574	321	* 500	* 9.6	9.6	77.4	96.4	1.25	1.23	* 15	* 2.21	2.31	* 9.4	9.7	17.1	* 13.1	2.35	3499 *
D * 16:15	* 11310.2	* 11308.2	* 11306.0	* 1.0	* 43.6	57	1900	1540	321	* 498	* 9.6	9.6	79.4	96.8	1.25	1.23	* 15	* 2.41	2.31	* 0.8	9.7	17.0	* 14.0	2.09	3401 *
D * 16:49	* 11311.0	* 11308.2	* 11308.0	* 1.0	* 41.1	40	1900	1634	329	* 490	* 9.6	9.5	81.0	97.7	1.25	1.22	* 15	* 2.41	2.31	* 0.8	9.7	17.0	* 14.0	3.47	3401 *
D * 17:26	* 11312.0	* 11310.0	* 11309.0	* 1.7	* 42.1	40	1900	1630	325	* 490	* 9.5	9.5	82.2	99.0	1.25	1.22	* 15	* 2.42	2.32	* 0.8	9.7	17.0	* 15.9	4.00	3283 *
D * 17:57	* 11313.0	* 11310.0	* 11310.0	* 1.7	* 43.9	47	2000	1617	325	* 488	* 9.6	9.4	83.0	99.1	1.25	1.22	* 15	* 2.42	2.32	* 0.8	9.7	17.0	* 15.9	4.59	3283 *
D * 18:14	* 11314.0	* 11312.0	* 11310.0	* 3.4	* 42.5	40	1900	1621	329	* 404	* 9.5	9.6	83.5	99.0	1.24	1.21	* 15	* 2.19	2.32	* 9.5	9.7	17.2	* 17.0	4.09	3083 *
D * 18:25	* 11315.1	* 11313.1	* 11311.0	* 6.3	* 41.2	40	1800	1617	329	* 404	* 9.5	9.6	83.0	100.4	1.25	1.22	* 15	* 1.97	2.32	* 0.8	9.7	17.0	* 18.9	5.06	2937 *
D * 18:30	* 11316.1	* 11313.1	* 11311.0	* 6.3	* 39.5	40	1900	1612	325	* 400	* 9.5	9.7	84.0	100.0	1.24	1.21	* 15	* 1.97	2.32	* 0.8	9.7	17.0	* 18.9	5.14	2937 *
D * 18:42	* 11317.1	* 11315.1	* 11311.0	* 5.2	* 39.8	47	1900	1612	325	* 400	* 9.5	9.6	84.4	101.4	1.24	1.21	* 15	* 2.02	2.32	* 10.5	9.7	17.4	* 20.9	5.35	2708 *
D * 18:49	* 11318.3	* 11315.1	* 11311.0	* 5.2	* 40.0	63	2000	1600	325	* 400	* 9.5	9.6	83.0	100.0	1.25	1.22	* 15	* 2.02	2.32	* 10.5	9.7	17.4	* 20.9	5.45	2708 *
D * 18:57	* 11319.1	* 11317.1	* 11312.0	* 5.6	* 40.3	60	2000	1604	325	* 400	* 9.6	9.7	84.1	99.6	1.24	1.22	* 15	* 2.00	2.32	* 10.1	9.0	17.3	* 22.9	5.00	2513 *
D * 19: 5	* 11320.1	* 11318.0	* 11312.0	* 7.0	* 41.0	64	2000	1599	325	* 400	* 9.6	9.7	84.1	99.6	1.24	1.22	* 15	* 2.01	2.32	* 0.8	9.0	17.0	* 23.9	5.73	2434 *
D * 19:32	* 11321.4	* 11319.4	* 11313.0	* 5.0	* 38.1	60	2000	1707	329	* 404	* 9.5	9.7	83.9	99.1	1.24	1.22	* 15	* 2.01	2.32	* 0.8	9.7	17.0	* 25.2	5.97	2337 *
D * 19:40	* 11322.1	* 11320.1	* 11313.0	* 5.0	* 41.3	64	2000	1677	325	* 406	* 9.6	9.6	83.9	99.5	1.25	1.21	* 15	* 2.04	2.32	* 10.3	9.7	17.4	* 26.0	6.09	2289 *
D * 19:40	* 11323.1	* 11321.1	* 11314.0	* 7.5	* 39.8	60	2100	1694	329	* 404	* 9.6	9.7	84.1	99.1	1.24	1.22	* 15	* 1.97	2.32	* 0.8	9.7	17.0	* 26.9	6.23	2223 *
D * 19:56	* 11324.1	* 11321.1	* 11314.0	* 7.5	* 41.3	62	2100	1605	334	* 404	* 9.6	9.6	84.1	100.3	1.24	1.22	* 15	* 1.97	2.32	* 0.8	9.0	17.0	* 26.9	6.36	2223 *
D * 20: 7	* 11325.3	* 11323.3	* 11316.0	* 6.6	* 40.4	60	2000	1601	329	* 404	* 9.6	9.6	84.4	99.7	1.24	1.22	* 15	* 2.02	2.32	* 10.5	9.7	17.4	* 29.1	6.53	2096 *
D * 20:14	* 11326.3	* 11324.2	* 11317.0	* 7.6	* 39.4	62	2000	1601	334	* 404	* 9.5	9.5	84.5	99.7	1.24	1.21	* 15	* 1.96	2.32	* 0.8	9.7	17.0	* 30.1	6.66	2043 *
D * 20:21	* 11327.1	* 11325.1	* 11318.0	* 7.9	* 40.7	65	2000	1677	334	* 402	* 9.6	9.6	84.6	100.4	1.24	1.22	* 15	* 1.97	2.32	* 0.8	9.7	17.0	* 30.9	6.77	2001 **
D * 20:28	* 11328.1	* 11325.1	* 11318.0	* 7.9	* 38.2	60	2000	1677	329	* 400	* 9.5	9.7	84.7	100.3	1.24	1.21	* 15	* 1.97	2.32	* 0.8	9.7	17.0	* 30.9	6.09	2001 *
D * 20:37	* 11329.0	* 11326.1	* 11319.0	* 0.0	* 39.7	61	2100	1677	330	* 406	* 9.6	9.6	84.7	99.9	1.24	1.21	* 15	* 1.96	2.32	* 0.8	9.0	17.0	* 31.9	7.04	1952 *
D * 20:43	* 11330.0	* 11328.0	* 11320.0	* 10.4	* 42.9	61	2000	1677	325	* 404	* 9.6	9.6	84.7	100.0	1.24	1.21	* 15	* 1.00	2.32	* 0.8	9.0	17.0	* 33.0	7.14	1868 *
D * 20:49	* 11331.1	* 11328.0	* 11320.0	* 10.4	* 41.3	61	2000	1673	329	* 402	* 9.6	9.6	84.9	100.4	1.24	1.22	* 15	* 1.00	2.32	* 0.8	9.7	17.0	* 33.0	7.24	1868 *
D * 20:56	* 11332.3	* 11330.3	* 11321.0	* 11.2	* 40.3	61	2000	1677	330	* 402	* 9.6	9.6	84.9	100.0	1.24	1.22	* 15	* 1.03	2.32	* 0.8	9.0	17.0	* 36.1	7.36	1772 *
D * 21: 7	* 11333.1	* 11331.1	* 11322.0	* 4.6	* 42.4	63	2000	1660	325	* 402	* 9.5	9.6	85.1	101.3	1.25	1.21	* 15	* 2.13	2.32	* 9.9	9.7	17.3	* 36.9	7.53	1750 *
D * 21:11	* 11334.1	* 11332.0	* 11322.0	* 11.0	* 40.5	60	2000	1673	329	* 402	* 9.6	9.6	85.3	101.4	1.24	1.21	* 15	* 1.01	2.32	* 0.8	9.0	17.0	* 37.9	7.61	1714 **
D * 21:20	* 11335.1	* 11333.0	* 11323.0	* 6.7	* 43.6	60	2000	1660	329	* 402	* 9.6	9.6	85.5	102.5	1.24	1.20	* 15	* 2.01	2.32	* 0.8	9.0	17.0	* 30.9	7.76	1684 *
D * 21:29	* 11336.0	* 11334.0	* 11324.0	* 6.4	* 40.9	60	2000	1677	334	* 402	* 9.6	9.7	85.7	102.0	1.24	1.21	* 15	* 2.03	2.32	* 10.4	9.0	17.4	* 39.9	7.91	1657 *
D * 21:40	* 11337.1	* 11334.0	* 11326.0	* 6.4	* 40.5	61	2100	1677	330	* 402	* 9.6	9.6	86.0	103.0	1.23	1.20	* 15	* 2.03	2.32	* 10.4	9.7	17.4	* 39.9	8.00	1657 *
D * 21:46	* 11338.1	* 11336.1	* 11327.0	* 9.1	* 40.7	63	2000	1601	334	* 400	* 9.6	9.5	86.2	102.3	1.23	1.22	* 15	* 1.92	2.32	* 0.8	9.0	17.0	* 41.9	8.19	1600 *
D * 21:59	* 11339.2	* 11337.2	* 11328.0	* 5.3	* 41.5	60	2000	1690	334	* 404	* 9.6	9.6	86.5	102.7	1.23	1.21	* 15	* 2.09	2.32	* 10.1	9.0	17.3	* 43.0	8.40	1577 *
D * 22: 6	* 11340.1	* 11338.0	* 11330.0	* 7.1	* 41.4	62	2000	1694	330	* 400	* 9.6	9.5	86.7	103.0	1.23	1.21	* 15	* 2.00	2.32	* 0.8	9.0	17.0	* 43.9	8.53	1555 *
D * 22:15	* 11341.1	* 11338.0	* 11331.0	* 7.1	* 41.3	60	2000	1703	334	* 402	* 9.6	9.6	86.9	102.9	1.23	1.22	* 15	* 2.00	2.32	* 0.8	9.0	17.0	* 43.9	8.67	1555 *
D * 22:26	* 11342.0	* 11340.0	* 11332.0	* 5.4	* 40.9	62	2000	1690	330	* 400	* 9.6	9.6	87.2	103.1	1.23	1.21	* 15	* 2.00	2.32	* 10.1	9.0	17.3	* 45.0	8.05	1516 *
D * 22:37	* 11343.0	* 11340.0	* 11334.0	* 5.4	* 40.1	65	2000	1690	329	* 400	* 9.5	9.7	87.4	103.9	1.23	1.20	* 15	* 2.00	2.32	* 10.1	9.7	17.3	* 45.0	9.03	1516 *
D * 22:46	* 11344.4	* 11341.0	* 11335.0	* 5.4	* 42.1	60	1900																		