

* BIT # 19 SMITH F2 BIT DIAMETER : 12.25 inch NOZZ 16/16/16
 MUD RHEOLOGICAL PARAMETERS : PV = 11 YP = 9 GEL = 2 *

* TIME *	* DEPTHS *			* DRILLING PARAMETERS *					* MUD PARAMETERS *				* GAS *				* OVERPRESSURE SURVEY *				* ACCUMULATED ON BIT *				
	* MEASURED *	* VERTCL *	* LAGGED *	* ROP *	* WOB *	RPM	TORG	PRESS	FLOW	* PIT *	* DENSITY	TEMPERATURE		RESISTIVITY		* GAS *	* DCS	NORM	PF	ECD	FRAC	* FEET	* TIME	* COST *	
* Hr:mn *	* feet	* feet	* feet	* ft/h *	* klbs	rpm	ftlb	psi	gpm	* bbls *	ppg	degF	degF	ohm	* unit *	ppg	ppg	ppg	ppg	ppg	* feet	Dhr	\$		
D * 17:43	6751.7	6749.7	6722.0	26.8	16.6	116	2600	1772	575	382	9.1	9.5	89.0	94.7	.68	.66	7	1.14	1.38	10.5	9.2	15.7	470.7	15.85	187
D * 17:44	6752.1	6750.8	6724.0	60.9	19.2	91	2200	1736	575	384	9.2	9.5	79.8	93.6	.68	.67	7	.98	1.38	9.7	9.2	15.5	471.8	15.87	187
D * 17:47	6753.0	6751.7	6727.0	17.4	11.2	108	3300	1745	570	388	9.1	9.5	79.7	95.3	.68	.65	7	1.02	1.38	9.7	9.2	15.5	472.7	15.92	187
D * 17:48	6754.1	6752.7	6728.0	60.1	15.9	116	2500	1777	579	388	9.1	9.5	79.6	95.9	.68	.65	7	.95	1.38	9.7	9.2	15.5	473.7	15.94	187
D * 17:50	6755.4	6752.7	6728.0	60.1	7.6	116	2200	1777	587	388	9.1	9.5	79.7	95.7	.68	.66	7	.95	1.38	9.7	9.2	15.5	473.7	15.94	187
D * 17:51	6756.1	6754.8	6728.0	41.6	13.7	105	3000	1768	587	386	9.2	9.5	79.5	95.4	.68	.66	7	1.03	1.38	9.7	9.2	15.5	473.7	15.96	187
D * 17:52	6757.4	6756.1	6728.0	60.8	12.7	116	2600	1772	578	390	9.2	9.5	79.6	94.8	.68	.66	7	.92	1.38	9.7	9.2	15.5	475.8	15.98	186
D * 17:54	6758.3	6757.0	6728.0	28.5	9.4	118	2100	1772	577	390	9.1	9.5	79.4	93.6	.68	.67	7	1.05	1.38	9.7	9.2	15.5	477.1	16.00	186
D * 17:55	6759.0	6757.7	6728.0	49.1	6.1	116	2400	1772	575	394	9.2	9.5	79.4	93.1	.68	.67	7	.90	1.38	9.7	9.2	15.5	478.0	16.03	186
D * 17:56	6760.2	6757.7	6730.0	49.1	15.1	115	2600	1772	575	396	9.1	9.5	79.4	93.6	.68	.66	7	.90	1.38	9.7	9.2	15.5	478.7	16.05	186
D * 17:57	6761.1	6759.8	6730.0	63.4	13.7	116	2500	1772	578	398	9.1	9.5	79.3	93.4	.68	.66	7	.94	1.38	9.7	9.2	15.5	478.7	16.06	186
D * 17:59	6762.3	6761.0	6731.0	46.0	8.2	118	2500	1772	575	396	9.1	9.4	79.3	93.6	.68	.66	7	.96	1.38	9.7	9.2	15.5	480.8	16.08	185
D * 18:00	6763.6	6762.2	6731.0	72.1	10.6	86	2800	1741	575	398	9.1	9.5	79.3	93.2	.68	.66	7	.88	1.38	9.7	9.2	15.5	482.0	16.11	185
D * 18:01	6764.4	6763.1	6732.0	47.2	18.0	20	0	1732	570	396	9.2	9.5	79.6	93.5	.68	.66	7	.95	1.38	9.7	9.2	15.5	483.2	16.12	185
D * 18:01	6766.7	6765.4	6732.0	125.9	.0	0	0	1687	570	398	9.2	9.5	79.6	93.2	.68	.66	7	-.28	1.38	9.7	9.2	15.5	484.1	16.14	184
D * 18:07	6767.0	6765.7	6733.0	86.5	6.8	106	2000	1705	566	420	9.1	9.5	80.0	94.3	.67	.65	7	.54	1.38	9.7	9.2	15.5	486.4	16.14	184
D * 18:08	6768.2	6766.9	6734.0	48.5	10.0	104	2700	1736	566	408	9.2	9.5	80.1	94.4	.67	.65	7	.94	1.38	9.7	9.2	15.5	486.7	16.15	183
D * 18:10	6769.6	6768.2	6734.0	40.9	12.7	104	2800	1732	579	398	9.2	9.5	80.2	95.2	.67	.65	7	1.00	1.38	9.7	9.2	15.5	489.2	16.20	183
D * 18:11	6770.1	6768.7	6734.0	36.6	12.7	108	2400	1736	570	394	9.2	9.5	80.2	94.5	.67	.66	7	.98	1.38	9.7	9.2	15.5	489.7	16.22	183
D * 18:13	6771.3	6768.7	6736.0	36.6	1.8	103	1300	1723	573	390	9.2	9.5	80.3	94.2	.67	.66	7	.98	1.38	9.7	9.2	15.5	489.7	16.25	183
D * 18:14	6772.2	6770.8	6736.0	35.9	11.6	107	2100	1736	574	386	9.1	9.5	80.3	93.2	.67	.67	7	.92	1.38	9.7	9.2	15.5	489.7	16.25	183
D * 18:16	6773.6	6770.8	6737.0	35.9	13.4	105	2400	1736	574	386	9.2	9.5	80.3	93.6	.67	.66	7	.92	1.38	9.7	9.2	15.5	491.8	16.28	183
D * 18:28	6774.1	6772.8	6741.0	2.7	20.1	92	1700	1709	570	380	9.2	9.4	80.5	94.0	.67	.66	7	1.71	1.38	9.7	9.2	15.5	493.8	16.50	183
D * 18:37	6775.1	6772.8	6742.0	2.7	15.8	85	1800	1705	566	376	9.1	9.4	80.6	94.6	.67	.67	7	1.71	1.38	9.7	9.2	15.5	493.8	16.65	183
D * 18:39	6776.3	6774.9	6742.0	37.5	19.9	104	2000	1723	575	376	9.2	9.3	80.6	94.5	.67	.67	7	1.06	1.38	9.7	9.2	15.5	495.9	16.68	184
D * 18:40	6777.2	6774.9	6742.0	37.5	12.0	110	2300	1727	574	376	9.2	9.4	80.6	94.7	.67	.67	7	1.06	1.38	9.7	9.2	15.5	495.9	16.70	184
D * 18:41	6778.1	6776.8	6742.0	47.1	11.6	97	2300	1723	570	374	9.2	9.4	80.5	94.8	.67	.67	7	.96	1.38	9.7	9.2	15.5	497.8	16.72	184
D * 18:47	6783.8	6779.6	6746.0	31.6	-5.7	106	1500	1714	561	372	9.2	9.3	80.8	96.6	.67	.66	7	.80	1.38	9.7	9.2	15.5	503.5	16.81	182
D * 18:53	6784.3	6782.9	6746.0	122.5	4.7	109	2300	1696	570	374	9.2	9.3	80.9	96.8	.67	.66	7	.52	1.38	9.7	9.2	15.5	503.9	16.81	182
D * 19:09	6785.1	6783.8	6760.0	2.7	17.3	99	3700	1696	565	350	9.2	9.4	81.2	95.0	.68	.68	7	1.67	1.38	9.7	9.2	15.5	504.8	17.03	183
D * 19:10	6786.3	6784.9	6762.0	49.1	15.6	99	2600	1714	566	348	9.2	9.4	81.2	94.9	.68	.68	7	.94	1.38	9.7	9.2	15.5	505.9	17.05	183
D * 19:15	6787.7	6786.3	6767.0	16.9	15.5	88	2600	1714	570	350	9.2	9.4	81.3	94.4	.68	.68	7	1.23	1.38	9.8	9.2	15.5	507.3	17.13	183
D * 19:16	6788.1	6786.8	6768.0	23.7	17.1	103	2600	1723	573	350	9.1	9.4	81.3	94.1	.68	.68	7	1.14	1.38	10.4	9.2	15.7	507.8	17.15	183
D * 19:17	6789.1	6787.8	6768.0	53.6	12.8	104	1800	1732	578	350	9.2	9.4	81.3	94.5	.68	.68	7	.96	1.38	9.7	9.2	15.5	508.8	17.17	183
D * 19:20	6790.4	6787.8	6770.0	53.6	17.3	103	2600	1736	570	354	9.2	9.5	81.3	94.4	.68	.67	7	.96	1.38	9.7	9.2	15.5	508.8	17.21	183
D * 19:21	6791.2	6789.9	6770.0	62.7	20.6	105	2700	1736	570	356	9.2	9.4	81.2	93.9	.68	.67	7	.99	1.38	9.7	9.2	15.5	510.9	17.23	182
D * 19:22	6792.1	6790.8	6771.0	45.4	16.6	91	2100	1732	566	354	9.1	9.5	81.3	93.9	.68	.67	7	1.04	1.38	9.7	9.2	15.5	511.0	17.25	182
D * 19:23	6793.2	6791.9	6771.0	51.8	21.6	102	1100	1727	568	354	9.2	9.5	81.3	94.1	.68	.67	7	1.02	1.38	9.7	9.2	15.5	512.9	17.27	182
D * 19:23	6794.0	6792.7	6773.0	417.2	.0	0	0	1664	566	354	9.1	9.4	81.3	94.0	.68	.67	7	.53	1.38	9.7	9.2	15.5	513.7	17.27	182
D * 19:30	6795.1	6793.8	6773.0	37.8	17.9	108	2600	1745	574	366	9.2	9.4	81.2	93.6	.68	.67	7	1.02	1.38	9.7	9.2	15.5	514.8	17.30	182
D * 19:31	6796.4	6795.1	6773.0	54.7	17.5	107	2400	1750	574	368	9.2	9.4	81.2	94.4	.68	.66	7	.96	1.38	9.7	9.2	15.5	516.1	17.32	181
D * 19:35	6797.3	6795.1	6773.0	54.7	15.3	108	1700	1750	570	352	9.1	9.4	81.1	93.2	.68	.67	7	.96	1.38	9.7	9.2	15.5	516.1	17.38	181
D * 19:44	6798.0	6796.7	6774.0	4.7	16.3	105	1800	1750	575	348	9.2	9.5	80.9	94.0	.68	.67	7	1.56	1.38	9.7	9.2	15.5	517.7	17.53	182
D * 19:53	6799.0	6796.7	6778.0	4.7	20.2	89	1800	1718	570	343	9.2	9.4	80.9	94.7	.68	.66	7	1.56	1.38	9.7	9.2	15.5	517.7	17.68	182
D * 19:55	6800.2	6798.9	6770.0	35.1	19.5	87	2400	1718	570	343	9.2	9.4	80.9	95.0	.68	.66	7	1.12	1.38	10.6	9.2	15.8	519.9	17.72	183
D * 19:58	6801.1	6799.8	6783.0	18.4	21.6	89	1800	1714	570	345	9.2	9.5	80.9	94.9	.68	.66	7	1.26	1.38	9.5	9.2	15.5	520.8	17.77	183
D * 20:02	6802.5	6801.2	6783.0	23.1	27.8	12	0	1723	570	343	9.1	9.4	80.9	95.1	.68	.66	7	1.24	1.38	9.7	9.2	15.5	522.2	17.83	183
D * 20:08	6803.1	6801.7	6784.0	8.0	15.9	111	2700	1714	565	339	9.2	9.4	81.1	95.8	.67	.66	7	1.13	1.38	10.6	9.2	15.8	522.7	17.89	183
D * 20:11	6804.6	6803.3	6784.0	30.9	14.7	100	2100	1709	567	341	9.2	9.4	81.2	94.9	.67	.68	7	1.17	1.38	10.2	9.2	15.7	524.3	17.95	183