

* BIT # 19 SMITH F2 BIT DIAMETER : 12.25 inch NOZZ 16/16/16
 * MUD RHEOLOGICAL PARAMETERS : PV = 13 YP = 14 GEL = 5 *

* TIME *	* DEPTHS *			* DRILLING PARAMETERS *				* MUD PARAMETERS *				* GAS *				* OVERPRESSURE SURVEY *				* ACCUMULATED ON BIT *						
	* MEASURED *	* VERTCL *	* LAGGED *	* ROP *	* WOB *	* RPM *	* TORQ *	* PRESS *	* FLOW IN *	* PIT * VOL *	* DENSITY IN *	* DENSITY OUT *	* TEMPERATURE IN *	* TEMPERATURE OUT *	* RESISTIVITY IN *	* RESISTIVITY OUT *	* GAS IN *	* GAS OUT *	* DCS *	* NORM *	* PF *	* ECD *	* FRAC *	* FEET *	* TIME *	* COST *
* Hr:mn *	* feet *	* feet *	* feet *	* ft/h *	* kls *	* rpm *	* ftlb *	* psi *	* gpm *	* bbls *	* ppq *	* degF *	* degF *	* ohm *	* unit *	* unit *	* unit *	* unit *	* unit *	* unit *	* unit *	* unit *	* unit *	* unit *	* unit *	* unit *
D * 3: 6 *	6954.3	6953.0	6936.0	26.4	20.0	95	1900	1655	561	325	9.2	9.4	76.8	91.6	.70	.70	7	1.23	1.39	9.8	9.2	15.6	674.0	23.20	171	
D * 3: 7 *	6955.3	6953.0	6937.0	26.4	20.9	92	3000	1660	553	325	9.2	9.4	76.8	91.1	.70	.71	7	1.23	1.39	9.8	9.2	15.6	674.0	23.22	171	
D * 3: 8 *	6956.2	6954.9	6937.0	26.4	18.8	95	2700	1660	552	323	9.2	9.4	76.9	91.1	.70	.70	7	1.00	1.39	9.7	9.2	15.6	675.9	23.24	170	
D * 3:10 *	6957.3	6955.8	6939.0	32.0	19.0	93	2700	1655	551	327	9.2	9.4	76.9	91.4	.70	.70	7	1.13	1.39	10.6	9.2	15.8	676.8	23.27	170	
D * 3:11 *	6958.4	6957.1	6941.0	51.4	18.3	93	2400	1655	552	329	9.2	9.4	76.9	91.4	.70	.70	7	.99	1.39	9.7	9.2	15.6	678.1	23.29	170	
D * 3:12 *	6959.1	6957.1	6941.0	51.4	17.8	99	2700	1673	556	329	9.2	9.4	76.9	91.6	.70	.70	7	.99	1.39	9.7	9.2	15.6	678.1	23.31	170	
D * 3:13 *	6960.2	6958.9	6943.0	58.4	14.7	103	2100	1669	555	327	9.2	9.4	76.9	91.9	.70	.70	7	.96	1.39	9.7	9.2	15.6	679.9	23.33	170	
D * 3:15 *	6961.4	6958.9	6943.0	58.4	11.5	103	2300	1673	551	327	9.2	9.4	77.0	91.5	.70	.70	7	.96	1.39	9.7	9.2	15.6	679.9	23.36	170	
D * 3:16 *	6962.1	6960.8	6944.0	39.9	15.0	105	2200	1670	556	327	9.2	9.4	77.1	91.8	.70	.69	7	1.07	1.39	9.7	9.2	15.6	681.8	23.38	170	
D * 3:22 *	6963.3	6962.0	6817.0	12.9	26.2	89	1800	1651	552	325	9.2	9.4	77.3	91.9	.70	.69	7	1.37	1.39	9.7	9.2	15.6	683.0	23.47	170	
D * 3:24 *	6964.1	6962.8	6817.0	18.2	25.7	85	2300	1655	547	323	9.2	9.4	77.4	92.2	.70	.69	7	1.31	1.39	9.7	9.2	15.6	683.8	23.51	170	
D * 3:27 *	6965.0	6962.8	6817.0	18.2	24.1	89	1900	1651	547	323	9.2	9.4	77.4	92.4	.70	.69	7	1.31	1.39	9.7	9.2	15.6	683.8	23.55	170	
D * 3:31 *	6966.1	6964.8	6818.0	14.2	31.5	87	2600	1651	549	321	9.2	9.4	77.6	92.7	.70	.69	7	1.41	1.39	9.7	9.2	15.6	685.8	23.63	170	
D * 3:32 *	6967.1	6964.8	6818.0	14.2	21.0	88	2200	1651	551	321	9.2	9.4	77.6	92.5	.70	.69	7	1.41	1.39	9.7	9.2	15.6	685.8	23.64	170	
D * 3:34 *	6968.3	6967.0	6819.0	38.2	27.5	85	2300	1660	552	319	9.2	9.4	77.8	93.0	.70	.69	7	1.15	1.39	10.4	9.2	15.8	688.0	23.68	170	
D * 3:35 *	6969.2	6967.8	6819.0	52.6	27.1	83	2600	1655	550	319	9.2	9.5	77.8	92.9	.70	.69	7	1.07	1.39	9.7	9.2	15.6	688.8	23.69	170	
D * 3:38 *	6970.7	6969.4	6820.0	38.5	23.9	103	2200	1670	556	319	9.2	9.3	77.9	93.0	.70	.69	7	1.13	1.39	10.6	9.2	15.8	690.4	23.73	169	
D * 3:39 *	6971.6	6969.4	6821.0	38.5	14.3	104	2200	1673	556	317	9.2	9.3	78.0	93.4	.70	.69	7	1.13	1.39	10.6	9.2	15.8	690.4	23.76	169	
D * 3:46 *	6972.5	6971.2	6822.0	67.3	9.2	97	2200	1817	579	337	9.2	9.3	78.0	92.3	.70	.70	7	.72	1.39	9.7	9.2	15.6	692.2	23.77	169	
D * 3:47 *	6973.2	6971.2	6822.0	67.3	18.4	101	2500	1822	580	333	9.2	9.3	78.2	92.3	.70	.70	7	.72	1.39	9.7	9.3	15.6	692.2	23.78	169	
D * 3:48 *	6974.0	6972.7	6823.0	44.9	20.0	97	2200	1813	574	325	9.2	9.4	78.2	92.6	.70	.69	7	1.05	1.39	9.7	9.2	15.6	693.7	23.80	169	
D * 3:51 *	6975.2	6973.9	6824.0	21.3	18.0	100	2200	1813	580	315	9.2	9.4	78.2	93.2	.70	.70	7	1.20	1.39	10.1	9.2	15.7	694.9	23.86	169	
D * 3:52 *	6976.0	6974.7	6824.0	44.6	19.0	100	2100	1813	579	313	9.2	9.4	78.2	93.3	.70	.69	7	.53	1.39	9.7	9.2	15.6	695.7	23.86	169	
D * 3:53 *	6977.1	6975.8	6826.0	38.1	14.3	100	1900	1813	584	311	9.2	9.4	78.2	94.0	.70	.69	7	1.00	1.39	9.7	9.3	15.6	696.8	23.89	169	
D * 3:55 *	6978.0	6976.7	6829.0	28.9	23.1	99	2100	1610	556	307	9.2	9.4	78.4	94.7	.70	.69	7	1.17	1.39	10.3	9.2	15.8	697.7	23.92	169	
D * 4: 0 *	6979.3	6978.0	6932.0	14.8	29.2	103	2200	1610	542	307	9.2	9.4	78.6	92.4	.70	.70	7	1.33	1.39	9.7	9.3	15.6	699.0	24.01	169	
D * 4: 3 *	6980.6	6979.2	6947.0	25.1	21.9	83	2200	1620	542	313	9.2	9.4	78.7	92.4	.70	.70	7	1.25	1.39	9.7	9.3	15.6	700.2	24.06	169	
D * 4: 6 *	6981.2	6979.9	6948.0	15.7	27.5	82	1800	1714	570	313	9.2	9.3	78.9	92.7	.70	.69	7	1.34	1.39	9.7	9.3	15.6	700.9	24.10	169	
D * 4:11 *	6982.0	6980.7	6949.0	9.8	27.4	81	1800	1727	570	311	9.2	9.3	78.9	94.5	.70	.69	7	1.52	1.39	9.7	9.3	15.6	701.7	24.10	169	
D * 4:20 *	6983.1	6980.7	6953.0	9.8	26.0	81	1700	1583	569	311	9.2	9.3	79.4	95.7	.70	.69	7	1.52	1.39	9.7	9.3	15.6	701.7	24.34	169	
D * 4:37 *	6984.2	6982.9	6963.0	4.4	28.2	79	2600	1597	542	321	9.2	9.4	80.0	94.5	.70	.70	7	1.70	1.39	9.7	9.3	15.6	703.9	24.61	171	
D * 4:38 *	6985.2	6982.9	6963.0	4.4	28.2	76	3000	1579	537	325	9.2	9.4	79.9	94.3	.70	.70	7	1.70	1.39	9.7	9.3	15.6	703.9	24.64	171	
D * 4:40 *	6986.1	6983.8	6964.0	37.0	24.1	73	3100	1588	546	327	9.2	9.4	79.7	93.7	.70	.70	7	1.16	1.39	10.4	9.2	15.8	704.8	24.66	171	
D * 4:41 *	6987.1	6985.8	6964.0	40.6	26.6	77	2000	1592	542	335	9.2	9.4	79.4	94.5	.70	.69	7	1.10	1.39	10.9	9.3	15.9	706.8	24.69	170	
D * 4:44 *	6988.0	6985.8	6964.0	40.6	20.0	81	2000	1597	539	345	9.2	9.4	79.0	94.4	.70	.70	7	1.10	1.39	10.9	9.2	15.9	706.8	24.73	170	
D * 4:48 *	6989.1	6986.7	6966.0	21.4	19.4	79	2300	1597	537	356	9.2	9.4	78.3	95.2	.71	.69	7	1.26	1.39	9.7	9.2	15.6	707.7	24.79	170	
D * 4:49 *	6990.2	6987.8	6968.0	18.0	14.6	83	1700	1592	542	362	9.2	9.4	78.0	94.8	.71	.70	7	1.26	1.39	9.6	9.2	15.6	708.8	24.82	170	
D * 4:51 *	6991.0	6989.7	6968.0	29.5	26.8	78	3800	1601	537	362	9.1	9.4	77.7	94.4	.70	.70	7	1.16	1.39	10.4	9.2	15.8	710.7	24.85	170	
D * 4:53 *	6992.0	6990.7	6970.0	24.9	22.4	79	2000	1601	542	362	9.2	9.4	77.5	94.8	.70	.70	7	1.19	1.39	10.2	9.2	15.7	711.7	24.89	170	
D * 4:55 *	6993.1	6991.8	6971.0	36.3	20.1	79	3000	1588	540	360	9.1	9.4	77.5	95.6	.70	.69	7	1.07	1.39	9.7	9.2	15.6	712.8	24.92	170	
D * 4:58 *	6994.2	6992.9	6972.0	27.7	16.3	78	2500	1592	546	360	9.1	9.4	77.5	95.7	.70	.69	7	1.10	1.39	10.9	9.2	15.9	713.9	24.96	170	
D * 4:59 *	6995.2	6993.8	6972.0	38.1	25.8	81	2100	1601	537	360	9.2	9.4	77.6	95.7	.70	.69	7	1.09	1.39	10.9	9.2	15.9	714.8	24.98	170	
D * 5: 2 *	6996.4	6995.1	6974.0	26.5	22.6	82	2200	1601	546	362	9.2	9.4	77.8	95.3	.70	.70	7	1.19	1.39	10.2	9.2	15.7	716.1	25.03	170	
D * 5: 4 *	6997.5	6996.2	6975.0	27.8	20.3	82	2200	1601	542	360	9.1	9.4	78.0	95.1	.70	.70	7	1.14	1.39	10.6	9.2	15.8	717.2	25.07	170	
D * 5: 5 *	6998.1	6996.8	6977.0	32.5	21.1	80	2000	1606	546	360	9.2	9.3	78.0	95.1	.70	.70	7	1.09	1.39	9.7	9.2	15.6	717.8	25.09	170	