

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

		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		GAS		DCS		PF	ECD	FRAC	FEET	TIME	COST
Hr:mn	feet	feet	feet	ft/h	klbs	rpm	ftlb	psi	gpm	bbbls	ppg	degF	degF	ohm	unit	ppg	ppg	ppg	ppg	ppg	ppg	ppg	feet	DHr	\$
D * 9: 9	6538.5	6536.9	6506.0	52.2	14.4	96	2000	1696	570	440	9.2	9.5	80.3	94.0	.71	.70	7	1.80	1.36	9.7	9.3	15.4	257.9	8.72	241
D * 9:11	6539.0	6537.7	6506.0	32.9	12.1	101	2700	1700	570	440	9.2	9.4	80.3	94.0	.71	.70	7	1.86	1.36	9.7	9.3	15.4	258.7	8.75	241
D * 9:13	6540.2	6538.8	6508.0	33.0	17.7	100	2600	1696	575	430	9.3	9.4	80.4	94.7	.71	.70	7	1.86	1.36	9.7	9.3	15.4	259.8	8.78	240
D * 9:15	6541.0	6538.8	6510.0	33.0	11.9	101	1800	1709	580	440	9.2	9.4	80.4	94.0	.71	.70	7	1.86	1.36	9.7	9.3	15.4	259.8	8.81	240
D * 9:17	6542.5	6541.2	6510.0	47.8	13.8	96	1700	1671	579	444	9.2	9.4	80.4	94.5	.71	.70	7	.96	1.36	9.7	9.3	15.4	262.2	8.85	239
D * 9:18	6543.1	6541.8	6511.0	20.5	12.4	100	2100	1705	579	444	9.3	9.4	80.5	94.6	.71	.70	7	1.15	1.36	10.3	9.3	15.6	262.8	8.87	239
D * 9:20	6544.1	6542.8	6511.0	41.1	13.6	107	2000	1709	584	446	9.2	9.4	80.6	94.7	.71	.70	7	.97	1.36	9.7	9.3	15.4	263.8	8.90	238
D * 9:21	6545.3	6542.8	6513.0	41.1	14.5	105	2100	1709	580	450	9.3	9.5	80.6	94.5	.71	.70	7	.97	1.36	9.7	9.3	15.4	263.8	8.92	238
D * 9:23	6546.2	6544.0	6513.0	48.5	15.8	95	2300	1700	573	448	9.2	9.4	80.6	94.8	.71	.70	7	1.00	1.36	9.7	9.3	15.4	265.0	8.95	238
D * 9:29	6547.5	6544.9	6516.0	34.5	23.4	107	1700	1709	570	448	9.3	9.4	80.7	94.1	.71	.71	7	1.12	1.36	10.5	9.3	15.7	265.9	9.05	238
D * 9:37	6548.1	6546.8	6519.0	5.3	35.3	87	1600	1682	570	452	9.2	9.5	80.8	93.2	.71	.71	7	1.70	1.36	9.7	9.3	15.4	267.8	9.18	237
D * 9:41	6549.1	6546.8	6520.0	5.3	15.0	110	1600	1714	582	434	9.2	9.4	80.8	94.0	.70	.70	7	1.70	1.36	9.7	9.3	15.4	267.8	9.25	239
D * 9:46	6550.0	6548.7	6524.0	11.1	25.6	77	3000	1727	580	434	9.2	9.4	80.7	94.5	.70	.70	7	1.47	1.36	9.7	9.3	15.4	269.7	9.34	239
D * 9:48	6551.0	6548.7	6524.0	11.1	19.9	89	3200	1727	584	432	9.3	9.4	80.8	94.7	.70	.70	7	1.47	1.36	9.7	9.3	15.4	269.7	9.36	239
D * 9:58	6552.5	6549.7	6524.0	36.5	-2.1	103	1500	1799	587	468	9.2	9.4	80.8	95.4	.69	.70	7	1.15	1.36	10.3	9.3	15.6	270.7	9.39	239
D * 9:58	6553.2	6551.1	6524.0	48.1	.7	104	2200	1763	587	468	9.2	9.4	80.9	95.3	.69	.70	7	.97	1.36	9.7	9.3	15.4	272.1	9.39	238
D * 10: 1	6554.7	6553.3	6525.0	37.1	7.6	99	2200	1664	565	454	9.2	9.4	80.9	94.3	.69	.71	7	.99	1.36	9.7	9.3	15.4	274.3	9.43	236
D * 10: 2	6555.4	6554.1	6527.0	44.0	11.0	95	2400	1664	570	448	9.2	9.4	80.9	94.0	.69	.71	7	.94	1.36	9.7	9.3	15.4	275.1	9.45	236
D * 10: 4	6556.6	6554.1	6528.0	44.0	8.3	104	1800	1664	565	440	9.3	9.4	80.9	93.3	.69	.71	7	.94	1.36	9.7	9.3	15.4	275.1	9.49	236
D * 10: 5	6557.3	6556.0	6528.0	40.4	12.9	99	1800	1651	560	438	9.3	9.5	80.9	93.7	.69	.70	7	1.00	1.36	9.7	9.3	15.4	277.0	9.51	235
D * 10: 6	6558.1	6556.7	6530.0	36.2	14.1	107	2100	1660	570	438	9.3	9.4	80.9	94.0	.69	.71	7	1.01	1.36	9.7	9.3	15.4	277.7	9.53	235
D * 10: 9	6559.2	6557.9	6531.0	29.1	11.2	108	2100	1669	565	434	9.2	9.5	81.0	94.5	.68	.70	7	1.03	1.36	9.7	9.3	15.4	278.9	9.57	234
D * 10:10	6560.1	6557.9	6531.0	29.1	5.6	107	1900	1664	565	442	9.2	9.4	80.9	94.8	.68	.70	7	1.03	1.36	9.7	9.3	15.4	278.9	9.60	234
D * 10:13	6561.4	6560.1	6533.0	37.0	19.1	97	3100	1660	570	450	9.3	9.4	80.9	94.9	.67	.69	7	.98	1.36	9.7	9.3	15.4	281.1	9.63	233
D * 10:14	6562.1	6560.8	6534.0	28.7	16.0	94	3300	1646	570	448	9.3	9.4	80.9	94.8	.67	.70	7	1.12	1.36	10.5	9.3	15.7	281.8	9.66	233
D * 10:16	6563.4	6562.1	6536.0	36.7	14.6	100	3100	1651	565	442	9.3	9.4	81.0	94.5	.67	.70	7	1.05	1.36	9.7	9.3	15.4	283.1	9.69	232
D * 10:18	6564.1	6562.8	6536.0	31.4	10.1	99	1800	1669	570	444	9.3	9.5	81.0	94.8	.67	.70	7	1.04	1.36	9.7	9.3	15.4	283.8	9.72	232
D * 10:20	6565.3	6564.0	6537.0	27.4	17.7	106	1800	1673	570	438	9.2	9.4	81.1	94.9	.67	.70	7	1.13	1.36	10.4	9.3	15.7	285.0	9.76	232
D * 10:22	6566.5	6565.2	6538.0	38.5	18.6	104	2100	1673	568	434	9.3	9.4	81.1	95.3	.68	.70	7	1.15	1.36	10.3	9.3	15.6	286.2	9.80	231
D * 10:23	6567.2	6565.2	6540.0	38.5	15.9	104	2000	1669	565	432	9.2	9.5	81.1	95.2	.68	.70	7	1.15	1.36	10.3	9.3	15.6	286.2	9.81	231
D * 10:26	6568.2	6566.9	6540.0	19.2	17.1	105	2200	1682	564	426	9.2	9.4	80.9	94.2	.68	.70	7	1.31	1.36	9.7	9.3	15.4	287.9	9.86	231
D * 10:27	6569.2	6567.9	6540.0	71.7	15.2	107	2100	1673	575	428	9.3	9.4	81.2	93.6	.68	.71	7	.95	1.36	9.7	9.3	15.4	288.9	9.88	230
D * 10:28	6570.2	6568.7	6542.0	51.6	14.3	104	1800	1678	570	432	9.3	9.4	81.1	93.5	.68	.71	7	1.02	1.36	9.7	9.3	15.4	289.7	9.89	230
D * 10:29	6571.2	6569.8	6542.0	58.1	13.3	99	2200	1664	566	436	9.2	9.4	81.1	92.7	.68	.71	7	.96	1.36	9.7	9.3	15.4	290.8	9.91	229
D * 10:31	6572.4	6571.1	6543.0	58.3	14.7	105	2600	1682	565	436	9.3	9.5	81.2	93.0	.68	.71	7	.97	1.36	9.7	9.3	15.4	292.1	9.93	228
D * 10:32	6573.4	6571.1	6543.0	58.3	15.0	103	2400	1682	570	440	9.3	9.4	81.2	92.8	.68	.71	7	.97	1.36	9.7	9.3	15.4	292.1	9.95	228
D * 10:33	6574.1	6572.8	6545.0	28.9	20.9	106	1900	1678	561	442	9.3	9.5	81.2	92.7	.67	.72	7	1.14	1.36	10.4	9.3	15.6	293.8	9.98	227
D * 10:35	6575.1	6572.8	6546.0	28.9	16.1	99	2100	1660	560	438	9.2	9.5	81.2	93.1	.67	.71	7	1.14	1.36	10.4	9.3	15.6	293.8	10.00	227
D * 10:36	6576.3	6573.8	6546.0	39.2	14.8	105	1900	1673	565	432	9.3	9.5	81.2	93.5	.67	.70	7	1.08	1.36	10.8	9.3	15.8	294.8	10.03	227
D * 10:40	6577.0	6575.7	6547.0	13.1	21.8	105	1700	1669	570	428	9.2	9.4	81.1	93.5	.66	.70	7	1.38	1.36	9.7	9.3	15.4	296.7	10.08	227
D * 10:44	6578.5	6577.1	6547.0	22.0	18.4	96	2200	1664	567	422	9.2	9.4	81.1	93.6	.67	.70	7	1.29	1.36	9.7	9.3	15.4	298.1	10.15	226
D * 10:44	6579.2	6577.1	6547.0	22.0	18.6	99	2400	1655	565	418	9.2	9.4	81.1	93.4	.67	.70	7	1.29	1.36	9.7	9.3	15.4	298.1	10.16	226
D * 10:45	6580.1	6577.9	6547.0	184.5	17.7	104	1700	1673	565	420	9.2	9.4	81.0	93.4	.67	.70	7	.88	1.36	9.7	9.3	15.4	298.9	10.18	226
D * 10:53	6581.1	6578.8	6548.0	45.7	17.4	107	2700	1664	567	418	9.3	9.4	80.9	92.7	.66	.71	7	1.06	1.36	9.7	9.3	15.4	299.8	10.30	225
D * 10:55	6582.1	6580.8	6549.0	36.3	19.7	103	1800	1678	565	418	9.2	9.4	81.0	93.2	.65	.70	7	1.13	1.36	10.4	9.3	15.7	301.8	10.33	226
D * 11: 5	6583.4	6580.8	6551.0	36.3	-5.2	88	1300	1893	599	446	9.3	9.5	80.9	94.3	.63	.70	7	1.13	1.36	10.4	9.3	15.7	301.8	10.39	226
D * 11: 5	6586.7	6585.3	6551.0	1197.	-1.1	102	1700	1871	597	444	9.2	9.4	80.9	94.2	.63	.70	7	-.00	1.36	9.7	9.3	15.4	306.3	10.39	223
D * 11: 6	6587.6	6586.3	6551.0	266.4	18.2	98	1700	1799	595	440	9.2	9.4	80.9	94.3	.63	.70	7	.55	1.36	9.7	9.3	15.4	307.3	10.40	222
D * 11: 7	6588.3	6586.3	6551.0	266.4	17.0	101	1700	1601	552	438	9.2	9.4	80.9	95.3	.63	.69	7	.55	1.36	9.7	9.3	15.4	307.3	10.42	222