466489

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

TIME	MEASURED	VERTCL	LAGGED	ROP	WOB	RPM	TORQ	PRESS	FLOW IN	PIT VOL	DENSITY IN	DENSITY OUT	TEMP IN	TEMP OUT	RESIST IN	RESIST OUT	GAS unit	DCS	NORM	PF	ECD	FRAC	FEET	TIME	COST
	feet	feet	feet	ft/h	klbs	rpm	ftlb	psi	gpm	bbls	ppg	ppg	degF	degF	ohmm		unit			ppg	ppg	ppg	feet	DHr	$
D 9:27	7104.5	7102.9	7078.0	52.6	21.4	84	2500	1610	539	315	9.2	9.4	79.5	93.6	.71	.69	7	1.03	1.40	9.7	9.3	15.6	823.9	28.83	163
D 9:28	7105.3	7102.9	7080.0	52.6	10.8	83	2400	1606	542	319	9.2	9.4	79.2	93.9	.71	.70	7	1.03	1.40	9.3	9.3	15.6	823.9	28.85	165
D 9:32	7106.1	7104.8	7081.0	16.3	18.7	83	2400	1610	537	323	9.2	9.4	78.6	93.5	.71	.70	7	1.28	1.40	9.6	9.3	15.6	825.8	28.91	164
D 9:33	7107.0	7105.7	7081.0	39.4	15.7	89	2500	1615	542	323	9.2	9.4	78.4	93.5	.71	.70	7	1.06	1.40	9.7	9.2	15.6	826.7	28.93	164
D 9:35	7108.0	7106.7	7082.0	24.1	15.3	98	2400	1624	551	331	9.2	9.3	77.9	92.9	.71	.71	7	1.22	1.40	10.0	9.2	15.7	827.7	28.97	164
D 9:37	7109.0	7107.7	7083.0	34.5	24.8	102	2700	1628	542	337	9.2	9.3	77.5	92.5	.71	.70	7	1.12	1.40	10.8	9.2	15.9	828.7	29.00	164
D 9:39	7110.5	7109.1	7085.0	42.4	23.8	97	2700	1637	547	341	9.2	9.4	77.2	92.0	.71	.71	7	1.07	1.40	9.7	9.2	15.6	830.1	29.03	164
D 9:39	7111.1	7109.1	7085.0	42.4	23.8	97	2700	1633	547	341	9.2	9.3	77.2	91.9	.71	.71	7	1.07	1.40	9.7	9.2	15.6	830.1	29.03	164
D 9:42	7112.1	7110.8	7086.0	26.1	29.3	97	2800	1714	556	339	9.2	9.4	76.9	91.9	.71	.71	7	1.24	1.40	9.8	9.2	15.7	831.0	29.07	164
D 9:43	7113.2	7110.8	7086.0	26.1	26.1	98	2900	1709	554	341	9.2	9.3	76.9	92.2	.71	.70	7	1.24	1.40	9.8	9.2	15.7	831.8	29.09	164
D 9:44	7114.1	7112.8	7088.0	43.7	18.0	92	2500	1709	554	337	9.2	9.3	76.8	92.3	.71	.70	7	1.11	1.40	10.0	9.2	15.9	833.1	29.11	164
D 9:46	7115.1	7113.8	7088.0	31.8	23.0	91	2600	1705	561	339	9.2	9.4	76.8	92.2	.70	.70	7	1.16	1.40	10.5	9.2	15.8	834.0	29.14	164
D 9:47	7116.2	7114.9	7089.0	54.9	24.9	91	2600	1700	555	337	9.2	9.4	76.8	92.3	.70	.70	7	1.06	1.40	9.7	9.2	15.6	835.9	29.16	164
D 9:48	7117.0	7115.7	7089.0	71.7	26.7	95	2700	1705	551	337	9.2	9.3	76.8	92.4	.70	.70	7	.98	1.40	9.7	9.2	15.6	836.7	29.17	163
D 9:51	7118.0	7116.7	7089.0	17.7	18.7	98	2500	1709	556	335	9.2	9.3	76.8	92.5	.70	.70	7	1.31	1.40	9.7	9.2	15.6	837.7	29.23	164
D 9:54	7119.2	7117.8	7089.0	22.1	24.4	89	2300	1705	561	335	9.2	9.3	76.9	92.7	.70	.70	7	1.22	1.40	10.0	9.2	15.7	838.8	29.28	164
D 9:58	7120.1	7118.7	7090.0	17.0	26.9	86	2300	1705	552	335	9.2	9.4	77.1	92.4	.70	.70	7	1.38	1.40	9.7	9.2	15.6	839.7	29.33	164
D 9:59	7121.0	7119.7	7090.0	47.7	34.4	86	2800	1700	560	335	9.2	9.3	77.0	92.5	.70	.70	7	1.15	1.40	10.6	9.2	15.9	840.7	29.35	163
D 10:1	7122.8	7121.5	7090.0	40.9	26.4	86	2500	1700	531	331	9.2	9.3	77.3	92.4	.70	.70	7	1.11	1.40	10.0	9.2	15.7	842.5	29.39	163
D 10:2	7123.1	7121.7	7090.0	26.3	24.6	86	2600	1700	556	333	9.2	9.3	77.3	92.5	.70	.70	7	1.24	1.40	9.9	9.2	15.7	842.7	29.40	163
D 10:5	7124.0	7122.7	7090.0	66.4	26.7	85	2600	1709	552	335	9.2	9.3	77.3	92.7	.70	.69	7	.99	1.40	9.7	9.2	15.6	843.7	29.41	163
D 10:5	7125.1	7122.7	7090.0	66.4	26.0	87	2700	1678	556	329	9.2	9.4	77.4	92.7	.70	.69	7	.99	1.40	9.7	9.2	15.6	843.7	29.46	163
D 10:6	7126.9	7123.8	7090.0	24.2	.0	0	100	1727	552	329	9.2	9.4	77.5	92.4	.70	.70	7	1.25	1.40	9.8	9.3	15.7	844.0	29.46	163
D 10:15	7127.3	7125.7	7090.0	87.1	13.1	104	1700	1547	559	339	9.2	9.3	77.8	91.6	.70	.70	7	.83	1.40	9.7	9.3	15.6	846.7	29.46	163
D 10:16	7128.3	7125.7	7090.0	87.1	20.3	100	2300	1745	565	331	9.2	9.3	77.8	92.7	.70	.69	7	.83	1.40	9.7	9.3	15.6	846.7	29.49	163
D 10:19	7129.2	7126.9	7090.0	52.4	16.8	105	2600	1750	560	323	9.2	9.4	77.8	92.1	.70	.70	7	1.07	1.40	9.7	9.2	15.6	847.9	29.53	163
D 10:26	7130.0	7128.7	7090.0	7.2	37.3	97	2600	1741	560	319	9.2	9.3	78.0	93.0	.70	.69	7	1.66	1.40	9.7	9.2	15.6	849.7	29.65	163
D 10:27	7131.1	7128.7	7090.0	7.2	24.5	95	2600	1736	561	319	9.2	9.3	78.0	93.5	.70	.69	7	1.66	1.40	9.7	9.2	15.6	849.7	29.67	163
D 10:30	7132.4	7131.1	7092.0	35.6	29.2	96	2900	1736	560	321	9.2	9.3	78.1	92.8	.70	.70	7	1.20	1.40	10.2	9.3	15.8	852.1	29.70	163
D 10:31	7133.0	7131.7	7094.0	20.0	28.6	99	2800	1745	565	319	9.2	9.3	78.1	92.5	.70	.70	7	1.31	1.40	9.7	9.3	15.6	852.7	29.73	163
D 10:34	7134.5	7133.1	7095.0	33.1	30.9	100	2500	1741	562	321	9.2	9.4	78.2	92.0	.70	.70	7	1.16	1.40	10.5	9.3	15.9	854.1	29.77	163
D 10:38	7135.2	7133.9	7099.0	10.0	29.4	100	2400	1732	561	313	9.2	9.4	78.3	91.9	.70	.71	7	1.55	1.40	9.7	9.3	15.6	854.9	29.85	163
D 10:48	7136.0	7134.7	7105.0	4.8	31.0	85	2300	1718	565	313	9.2	9.4	78.4	91.9	.70	.70	7	1.74	1.40	9.7	9.3	15.6	855.7	30.01	163
D 10:49	7137.1	7135.8	7106.0	40.6	25.4	84	2400	1727	561	313	9.2	9.3	78.4	91.9	.71	.70	7	1.14	1.40	10.6	9.3	15.9	856.8	30.04	163
D 10:51	7138.1	7136.8	7107.0	47.4	24.8	85	2400	1727	556	311	9.2	9.3	78.5	92.3	.71	.70	7	1.08	1.41	9.7	9.3	15.6	857.8	30.06	163
D 10:52	7139.5	7136.8	7107.0	47.4	26.4	86	2400	1723	561	313	9.2	9.3	78.5	92.6	.71	.70	7	1.08	1.41	9.7	9.3	15.6	857.8	30.07	163
D 10:54	7140.3	7138.9	7109.0	20.5	29.9	84	2500	1727	560	311	9.2	9.4	78.5	92.6	.71	.70	7	1.33	1.41	9.7	9.3	15.6	859.9	30.11	163
D 10:56	7141.0	7139.7	7109.0	28.8	26.2	84	2500	1727	556	313	9.2	9.4	78.5	93.0	.71	.70	7	1.21	1.41	10.1	9.3	15.7	860.7	30.14	163
D 10:57	7142.1	7140.8	7110.0	41.1	21.0	85	2500	1718	565	315	9.3	9.4	78.5	92.8	.71	.70	7	1.10	1.41	9.7	9.3	15.6	861.8	30.17	163
D 10:59	7143.3	7142.0	7112.0	50.5	27.3	82	2600	1727	565	313	9.3	9.3	78.5	92.9	.71	.70	7	1.05	1.41	9.7	9.3	15.6	862.7	30.19	163
D 11:0	7144.2	7142.8	7112.0	30.3	24.8	85	2500	1727	565	315	9.2	9.4	78.6	92.8	.71	.70	7	1.17	1.41	10.4	9.3	15.8	863.8	30.22	163
D 11:2	7145.4	7144.1	7114.0	46.0	27.4	84	2400	1727	574	317	9.2	9.4	78.6	92.8	.70	.70	7	1.09	1.41	9.7	9.3	15.6	865.1	30.24	163
D 11:5	7146.0	7144.7	7116.0	12.8	36.8	85	2300	1732	565	315	9.2	9.4	78.6	93.0	.71	.69	7	1.46	1.41	9.7	9.3	15.6	865.7	30.29	163
D 11:13	7147.5	7146.1	7119.0	12.8	33.4	82	2400	1732	564	313	9.2	9.3	78.9	93.0	.71	.70	7	1.49	1.41	9.7	9.3	15.6	867.1	30.42	163
D 11:13	7148.1	7146.8	7119.0	73.5	31.3	83	2600	1732	560	311	9.2	9.3	78.9	93.2	.71	.70	7	1.02	1.41	9.7	9.3	15.6	867.8	30.43	163
D 11:14	7149.0	7147.7	7120.0	39.0	28.6	83	2600	1736	562	311	9.2	9.3	79.0	93.4	.71	.70	7	1.16	1.41	10.5	9.3	15.8	868.7	30.45	163
D 11:16	7150.0	7148.7	7120.0	35.5	27.2	82	2500	1741	561	307	9.2	9.3	79.0	93.2	.71	.70	7	1.17	1.41	10.4	9.3	15.8	869.7	30.48	163
D 11:17	7151.1	7149.7	7122.0	63.5	23.4	86	2400	1745	561	309	9.2	9.3	79.0	93.2	.71	.70	7	1.00	1.41	9.7	9.3	15.6	870.7	30.50	163
D 11:19	7152.1	7150.8	7124.0	31.0	22.3	85	2500	1745	565	309	9.2	9.4	79.1	93.6	.70	.69	7	1.16	1.41	10.5	9.3	15.9	871.8	30.53	163