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
	Hr:mn	feet	feet	feet	ft/h	klbs	rpm	ftlb	psi	gpm	bbls	ppg	ppg	degF	degF	ohmm	ohmm	unit		ppg	ppg	ppg	ppg	feet	DHr	$
D	20:12	6805.3	6803.7	6784.0	51.9	10.6	101	1800	1714	565	339	9.2	9.4	81.1	94.9	.67	.67	7	1.00	1.38	9.7	9.2	15.5	524.7	17.95	183
D	20:16	6806.5	6805.1	6784.0	18.2	22.3	105	2500	1732	572	337	9.2	9.4	81.3	93.9	.67	.67	7	1.32	1.38	9.7	9.2	15.5	526.1	18.03	183
D	20:17	6807.3	6805.1	6784.0	18.2	15.6	100	2600	1736	575	335	9.2	9.4	81.3	94.0	.67	.68	7	1.32	1.38	9.7	9.2	15.5	526.1	18.04	183
D	20:18	6808.5	6805.9	6784.0	56.9	14.4	97	2800	1723	570	335	9.2	9.5	81.3	94.0	.67	.68	7	1.01	1.38	9.7	9.2	15.5	526.9	18.06	183
D	20:19	6809.3	6807.2	6785.0	87.6	14.4	103	2200	1727	570	335	9.2	9.4	81.3	94.0	.67	.67	7	.87	1.38	9.7	9.2	15.5	526.2	18.07	183
D	20:19	6810.3	6807.0	6785.0	60.1	18.9	87	3000	1718	566	335	9.2	9.4	81.3	94.0	.68	.67	7	.95	1.38	9.7	9.2	15.5	528.2	18.08	182
D	20:21	6811.1	6809.8	6786.0	31.1	17.8	29	0	1732	572	337	9.2	9.4	81.3	94.3	.68	.67	7	.95	1.38	9.7	9.2	15.5	528.9	18.08	182
D	20:26	6812.1	6809.8	6787.0	31.1	13.7	101	2300	1700	565	335	9.2	9.4	81.3	95.5	.68	.67	7	1.09	1.38	10.9	9.3	15.8	530.8	18.11	182
D	20:28	6813.5	6812.1	6788.0	55.8	13.9	108	2200	1709	570	333	9.2	9.4	81.3	96.5	.68	.66	7	1.09	1.38	10.9	9.3	15.8	530.8	18.19	182
D	20:29	6814.2	6812.9	6788.0	61.8	13.9	107	2300	1723	568	333	9.2	9.4	81.3	96.5	.68	.66	7	.93	1.38	9.7	9.3	15.5	533.1	18.21	182
D	20:31	6815.4	6812.9	6790.0	61.8	14.1	99	2400	1718	574	335	9.2	9.4	81.4	95.6	.68	.67	7	.91	1.38	9.7	9.2	15.5	533.9	18.22	181
D	20:31	6816.2	6814.9	6790.0	62.3	10.6	108	2300	1723	575	333	9.2	9.4	81.4	95.1	.68	.67	7	.91	1.38	9.7	9.2	15.5	533.9	18.26	181
D	20:33	6817.1	6814.9	6792.0	62.3	14.9	89	3400	1705	574	331	9.2	9.4	81.4	94.9	.68	.67	7	.96	1.38	9.7	9.2	15.5	535.9	18.27	181
D	20:36	6818.4	6817.0	6794.0	32.7	24.9	112	3100	1709	567	331	9.2	9.4	81.5	94.1	.68	.68	7	.96	1.38	9.7	9.2	15.5	535.9	18.29	181
D	20:39	6819.4	6817.0	6794.0	32.7	1.5	110	1800	1714	574	331	9.2	9.4	81.5	95.0	.68	.68	7	.95	1.38	9.7	9.2	15.5	538.0	18.33	181
D	21: 0	6820.1	6818.8	6798.0	2.6	23.0	110	1800	1669	560	323	9.2	9.4	81.3	93.6	.68	.68	7	.95	1.38	9.7	9.2	15.5	538.0	18.38	181
D	21: 3	6821.4	6820.1	6798.0	24.2	25.6	109	2800	1678	561	323	9.2	9.4	81.2	93.5	.68	.68	7	1.78	1.38	9.7	9.2	15.5	539.8	18.65	182
D	21: 4	6822.1	6820.1	6798.0	24.2	22.0	109	2500	1682	570	323	9.2	9.4	81.2	94.0	.68	.67	7	1.29	1.38	9.7	9.2	15.5	541.1	18.70	182
D	21: 9	6823.3	6820.8	6800.0	77.2	2.9	98	2000	1669	556	321	9.2	9.4	81.1	95.4	.68	.67	7	1.00	1.38	9.7	9.2	15.5	541.8	18.71	182
D	21:10	6824.0	6822.7	6800.0	58.5	10.8	85	3000	1660	561	321	9.2	9.4	81.0	95.8	.68	.66	7	.88	1.38	9.7	9.3	15.5	543.7	18.79	182
D	21:11	6825.0	6822.7	6801.0	58.5	10.2	101	2700	1678	561	321	9.2	9.4	81.0	96.2	.68	.66	7	.88	1.38	9.7	9.2	15.5	543.7	18.81	182
D	21:12	6826.0	6824.7	6801.0	72.0	15.3	103	2400	1678	560	321	9.2	9.4	81.0	95.5	.68	.66	7	.88	1.38	9.7	9.2	15.5	545.7	18.83	182
D	21:14	6827.0	6824.7	6802.0	72.0	11.9	101	1800	1673	560	321	9.2	9.4	81.1	95.2	.68	.67	7	.88	1.38	9.7	9.3	15.5	545.7	18.86	182
D	21:27	6828.1	6826.8	6805.0	5.1	25.4	101	1900	1669	561	319	9.2	9.4	81.1	94.4	.68	.67	7	1.59	1.38	9.7	9.2	15.5	547.8	19.07	182
D	21:30	6829.1	6827.8	6807.0	19.2	18.9	100	3200	1660	565	319	9.2	9.4	81.1	94.1	.68	.67	7	1.31	1.38	9.7	9.2	15.5	548.8	19.12	182
D	21:35	6830.0	6828.7	6811.0	12.6	8.2	107	2000	1579	540	319	9.2	9.4	81.1	95.1	.68	.67	7	1.01	1.38	9.7	9.2	15.5	548.8	19.12	182
D	21:36	6831.3	6828.7	6811.0	12.6	8.7	105	2200	1583	544	321	9.2	9.4	81.1	95.4	.68	.67	7	1.01	1.38	9.7	9.3	15.5	549.7	19.21	183
D	21:38	6832.6	6831.3	6811.0	47.9	11.7	99	2700	1565	538	319	9.2	9.4	81.1	94.9	.68	.67	7	.94	1.38	9.7	9.3	15.5	552.3	19.25	183
D	21:38	6833.0	6831.7	6811.0	35.0	8.4	101	2600	1561	545	319	9.2	9.4	81.1	94.5	.68	.67	7	.96	1.38	9.7	9.2	15.5	552.7	19.26	182
D	21:40	6834.2	6832.9	6812.0	42.6	14.2	115	3800	1574	542	319	9.2	9.4	81.1	94.5	.68	.67	7	.99	1.38	9.7	9.2	15.5	552.7	19.26	182
D	21:43	6835.4	6834.1	6814.0	20.1	9.4	100	2200	1534	538	317	9.2	9.4	81.1	94.3	.68	.67	7	.94	1.38	9.7	9.3	15.5	553.9	19.28	182
D	21:45	6836.2	6834.9	6815.0	25.7	13.1	104	2200	1538	537	317	9.2	9.5	81.1	94.2	.68	.67	7	1.06	1.38	9.7	9.3	15.5	555.1	19.34	182
D	21:46	6837.1	6834.9	6817.0	25.7	13.6	101	2100	1538	532	315	9.2	9.5	81.1	94.5	.68	.67	7	1.06	1.38	9.7	9.2	15.5	555.9	19.37	182
D	21:48	6838.3	6836.9	6817.0	45.2	25.3	92	2800	1529	533	315	9.2	9.5	81.1	94.4	.68	.67	7	1.08	1.38	9.7	9.3	15.5	557.9	19.39	182
D	21:50	6839.4	6838.0	6818.0	32.1	19.2	97	2600	1538	535	315	9.2	9.5	81.1	93.9	.68	.67	7	1.14	1.38	10.5	9.3	15.8	557.9	19.42	181
D	21:51	6840.1	6838.7	6818.0	81.2	14.1	105	1900	1538	538	313	9.2	9.5	81.1	93.8	.68	.68	7	.89	1.38	10.5	9.3	15.8	559.0	19.45	181
D	21:52	6841.0	6839.7	6818.0	35.1	10.6	104	2000	1534	532	313	9.2	9.5	81.0	93.8	.68	.67	7	1.06	1.38	9.7	9.3	15.5	559.7	19.47	181
D	21:59	6842.1	6840.8	6819.0	9.5	17.5	89	2400	1547	540	309	9.2	9.5	81.0	93.8	.68	.67	7	1.39	1.38	9.7	9.3	15.5	560.7	19.49	181
D	22: 1	6843.4	6842.1	6819.0	50.0	14.6	84	2000	1547	537	309	9.2	9.5	81.0	94.4	.68	.67	7	.96	1.38	9.7	9.2	15.5	561.8	19.60	181
D	22: 2	6844.2	6842.1	6819.0	50.0	10.1	107	2200	1574	542	309	9.2	9.4	81.0	94.3	.68	.67	7	.96	1.38	9.7	9.3	15.5	563.1	19.65	181
D	22: 3	6845.1	6844.7	6819.0	38.0	8.4	102	2000	1570	542	309	9.2	9.5	81.0	94.6	.68	.67	7	1.02	1.38	9.7	9.2	15.5	563.9	19.68	181
D	22: 4	6846.0	6844.7	6819.0	72.9	16.7	103	2000	1570	538	307	9.2	9.5	80.9	94.0	.68	.68	7	.86	1.38	9.7	9.2	15.5	563.9	19.68	181
D	22: 6	6847.1	6845.7	6819.0	38.2	14.1	105	2500	1570	538	307	9.2	9.5	80.9	93.5	.68	.68	7	1.10	1.38	10.0	9.3	15.8	565.7	19.69	181
D	22: 8	6848.1	6846.8	6819.0	44.9	21.4	110	1800	1570	547	307	9.2	9.5	80.9	93.4	.68	.67	7	1.01	1.38	9.7	9.2	15.5	566.7	19.72	181
D	22:13	6849.0	6848.0	6820.0	44.9	19.5	104	1800	1570	542	301	9.2	9.5	80.9	93.6	.68	.68	7	1.01	1.38	9.7	9.2	15.5	566.2	19.75	180
D	22:13	6850.0	6848.7	6820.0	225.2	23.9	104	1900	1570	542	303	9.2	9.5	80.9	93.6	.68	.68	7	1.01	1.38	9.7	9.2	15.5	567.8	19.83	180
D	22:26	6851.8	6850.5	6823.0	27.3	-11.9	82	1200	1691	566	323	9.2	9.5	80.9	93.6	.68	.68	7	.71	1.38	9.7	9.3	15.5	569.7	19.84	180
D	22:26	6852.5	6851.1	6823.0	343.6	9.9	103	1700	1696	564	323	9.2	9.5	80.7	93.7	.68	.67	7	1.16	1.38	10.4	9.3	15.7	571.5	19.88	180
D	22:27	6853.2	6851.8	6823.0	42.9	18.7	95	1800	1718	570	319	9.2	9.5	80.6	93.8	.68	.67	7	.48	1.38	9.7	9.3	15.5	572.1	19.89	180
D																		7	1.07	1.38	9.7	9.2	15.5	572.8	19.90	180