```
* BIT # 16    SMITH SDGH  BIT DIAMETER : 12.25 inch   NOZZ 14/14/14              MUD RHEOLOGICAL PARAMETERS : PV = 16  YP = 13  GEL = 5
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466434

		DEPTHS			DRILLING PARAMETERS							MUD PARAMETERS						GAS		OVERPRESSURE SURVEY			ACCUMULATED ON BIT		
TIME	MEASURED	VERTCL	LAGGED	ROP	WOB	RPM	TORQ	PRESS	FLOW IN	PIT VOL	DENSITY IN	OUT	TEMPERATURE IN	OUT	RESISTIVITY IN	OUT	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	feet	DHr	$		
D 16:18	5178.9	5177.1	5155.0	4.8	30.7	123	1600	2294	574	498	9.2	9.2	75.7	81.9	.64	.67	7	1.87	1.26	9.7	9.3	14.9	167.9	3.61	196
D 16:53	5180.0	5179.1	5177.0	2.8	30.3	123	1600	2307	583	494	9.3	9.0	75.7	82.1	.66	.65	7	1.96	1.26	9.7	9.4	14.9	169.9	4.10	208
D 16:57	5184.1	5183.1	5178.0	229.6	25.9	131	1800	2312	582	490	9.3	9.0	75.7	82.4	.66	.66	7	.78	1.27	9.7	9.4	14.9	174.0	4.25	208
D 16:58	5185.1	5183.1	5178.0	229.6	26.1	131	1800	2312	582	490	9.3	8.9	75.7	82.3	.66	.65	7	.78	1.27	9.7	9.4	14.9	174.0	4.27	208
D 17:4	5187.4	5186.5	5178.0	200.4	27.3	124	1800	2285	574	498	9.3	9.0	75.7	83.3	.66	.64	7	.82	1.27	9.7	9.3	14.9	177.3	4.30	205
D 17:5	5189.0	5187.4	5178.0	74.9	27.1	123	2000	2200	579	498	9.3	8.9	75.6	83.5	.66	.64	7	1.10	1.27	10.0	9.4	15.0	178.2	4.32	204
D 17:6	5190.8	5189.3	5178.0	118.1	29.2	125	1800	2271	575	494	9.2	9.0	75.6	83.5	.66	.64	7	.96	1.27	9.7	9.3	14.9	180.2	4.34	203
D 17:7	5193.2	5191.6	5178.0	130.2	30.9	123	1900	2271	570	494	9.3	8.9	75.6	82.9	.66	.64	7	.93	1.27	9.7	9.3	14.9	182.5	4.36	201
D 17:8	5195.4	5194.4	5178.0	106.6	32.6	120	2300	2271	570	492	9.3	9.0	75.6	82.7	.65	.65	7	1.01	1.27	10.7	9.4	15.3	185.3	4.38	198
D 17:9	5197.4	5196.5	5178.0	134.0	32.6	123	1100	2262	574	490	9.3	9.0	75.6	82.6	.65	.65	7	.95	1.27	9.7	9.3	14.9	187.3	4.40	196
D 17:19	5199.0	5196.5	5178.0	134.0	29.4	85	1700	1925	524	502	9.2	9.1	75.6	82.5	.65	.64	7	.95	1.27	9.7	9.3	14.9	187.3	4.41	196
D 17:21	5201.1	5200.1	5178.0	226.7	37.6	114	2000	2163	556	498	9.3	9.0	75.6	82.9	.65	.64	7	.82	1.27	9.7	9.4	14.9	191.0	4.44	193
D 17:22	5203.4	5202.5	5179.0	70.5	37.3	111	1800	2163	561	496	9.3	8.9	75.7	84.1	.65	.64	7	1.14	1.27	9.6	9.3	14.9	193.3	4.46	191
D 17:24	5205.1	5203.2	5179.0	38.7	35.8	111	2000	2159	559	496	9.3	9.0	75.6	84.7	.65	.63	7	1.30	1.27	9.7	9.4	14.9	194.0	4.49	191
D 17:25	5206.8	5205.1	5179.0	61.5	35.7	111	2100	2154	556	474	9.3	9.1	75.6	84.4	.65	.63	7	1.17	1.27	9.7	9.3	14.9	195.9	4.51	189
D 17:27	5208.8	5207.2	5179.0	459.7	37.5	113	2100	2154	556	492	9.3	9.0	75.7	84.1	.65	.64	7	.63	1.27	9.7	9.3	14.9	198.0	4.53	188
D 17:28	5211.1	5210.1	5179.0	66.9	35.1	118	1900	2172	556	494	9.3	9.0	75.7	83.7	.65	.65	7	1.14	1.27	9.6	9.3	14.9	200.9	4.55	186
D 17:29	5212.8	5211.4	5179.0	116.6	35.5	120	1600	2168	556	494	9.2	9.0	75.7	83.7	.65	.65	7	1.01	1.27	10.7	9.3	15.3	202.2	4.57	185
D 17:42	5214.9	5213.2	5179.0	8.1	33.6	119	1900	2199	560	502	9.2	9.0	76.0	82.6	.65	.66	7	1.76	1.27	9.7	9.3	14.9	204.0	4.78	187
D 17:43	5215.7	5214.3	5179.0	42.8	31.4	120	1800	2199	563	502	9.3	9.1	76.0	82.3	.65	.65	7	1.27	1.27	9.7	9.3	14.9	205.1	4.79	186
D 17:44	5216.8	5215.2	5180.0	75.7	32.2	122	1900	2199	564	504	9.2	9.0	76.0	82.4	.65	.65	7	1.09	1.27	10.1	9.3	15.1	206.1	4.81	185
D 17:45	5217.9	5216.3	5180.0	49.0	30.8	119	1900	2199	559	504	9.3	9.1	76.0	82.6	.65	.66	7	1.22	1.27	9.7	9.3	14.9	207.2	4.82	185
D 17:46	5219.0	5217.3	5180.0	67.0	33.5	120	1900	2195	565	500	9.3	9.0	76.1	82.9	.65	.66	7	1.12	1.27	9.8	9.3	15.0	208.2	4.85	184
D 17:47	5220.0	5218.4	5180.0	54.2	32.2	122	2100	2199	559	500	9.3	9.0	76.0	82.9	.65	.66	7	1.19	1.27	9.7	9.3	14.9	209.2	4.86	184
D 17:48	5220.9	5219.4	5180.0	70.7	29.7	120	2000	2204	564	504	9.2	9.1	76.2	82.8	.65	.66	7	1.11	1.27	9.9	9.3	15.0	210.2	4.87	183
D 17:49	5222.1	5220.2	5180.0	67.0	33.0	120	2000	2186	565	506	9.3	9.1	76.1	82.0	.65	.66	7	1.10	1.27	10.0	9.3	15.0	211.1	4.90	182
D 17:50	5223.2	5221.1	5180.0	57.1	30.6	122	1800	2186	564	508	9.3	9.1	76.1	82.6	.65	.65	7	1.17	1.27	9.7	9.3	14.9	212.0	4.92	182
D 17:51	5223.9	5222.4	5180.0	59.3	32.4	119	1800	2186	559	508	9.3	9.0	76.1	82.6	.65	.66	7	1.16	1.27	9.5	9.3	14.9	213.3	4.93	181
D 17:53	5224.8	5223.2	5180.0	33.9	31.6	120	1700	2198	561	508	9.3	9.1	76.2	82.8	.65	.66	7	1.30	1.27	9.7	9.3	14.9	214.1	4.96	181
D 18:4	5226.2	5225.0	5183.0	30.8	34.6	111	1500	2298	570	520	9.3	9.1	76.0	82.4	.65	.66	7	1.27	1.27	9.7	9.3	14.9	215.9	5.01	181
D 18:4	5227.0	5225.0	5183.0	30.8	31.7	111	1600	2298	579	518	9.2	9.1	76.1	81.8	.65	.67	7	1.27	1.27	9.7	9.3	14.9	215.9	5.01	181
D 18:7	5227.7	5226.2	5185.0	91.2	35.5	111	1600	2316	579	504	9.2	9.2	76.0	82.7	.65	.66	7	1.03	1.27	10.6	9.3	15.2	217.0	5.07	180
D 18:12	5228.8	5227.2	5190.0	14.7	33.6	122	1800	2316	575	498	9.3	9.0	76.0	82.9	.65	.66	7	1.53	1.27	9.7	9.3	14.9	218.0	5.14	180
D 18:15	5229.9	5228.3	5197.0	15.9	35.6	120	2300	2325	579	500	9.2	9.1	76.1	82.3	.65	.67	4	1.54	1.27	9.7	9.3	14.9	219.1	5.19	180
D 18:15	5231.0	5229.4	5197.0	33.3	33.3	120	2100	2330	579	500	9.3	9.1	76.1	82.3	.65	.67	4	1.36	1.27	9.7	9.3	14.9	220.2	5.19	180
D 18:15	5232.1	5230.1	5197.0	205.3	29.3	125	2500	2325	582	502	9.2	9.1	76.1	82.2	.65	.67	4	.84	1.27	9.7	9.3	14.9	221.0	5.20	179
D 18:15	5233.1	5231.1	5197.0	139.1	29.8	126	2100	2321	582	502	9.2	9.1	76.0	82.5	.65	.67	4	.92	1.27	9.7	9.3	14.9	222.0	5.20	179
D 18:16	5233.9	5232.2	5197.0	539.8	33.9	127	2000	2325	579	500	9.2	9.1	76.1	82.5	.65	.68	4	.56	1.27	9.7	9.3	14.9	223.0	5.21	178
D 18:17	5235.0	5233.4	5197.0	84.8	30.4	128	1900	2325	582	500	9.3	9.0	76.1	82.7	.65	.67	4	1.06	1.27	10.3	9.4	15.1	224.2	5.22	177
D 18:17	5235.9	5234.1	5197.0	84.5	30.2	128	2000	2325	578	502	9.3	9.1	76.1	82.5	.65	.67	4	1.07	1.27	10.2	9.4	15.1	225.0	5.24	177
D 18:18	5236.8	5235.3	5198.0	82.6	33.5	128	2000	2321	575	502	9.2	9.0	76.1	82.4	.65	.67	4	1.07	1.27	10.2	9.3	15.1	226.1	5.25	176
D 18:19	5238.1	5237.2	5198.0	573.2	33.0	127	2200	2316	582	502	9.3	9.1	76.0	82.5	.65	.68	4	.56	1.27	9.7	9.3	14.9	228.0	5.25	175
D 18:19	5238.9	5237.2	5198.0	573.2	30.5	128	1900	2321	579	502	9.3	9.1	76.0	82.5	.65	.67	4	.56	1.27	9.7	9.3	14.9	228.0	5.26	175
D 18:20	5239.9	5238.4	5201.0	47.9	34.6	127	2200	2325	579	502	9.3	9.1	76.1	82.1	.66	.66	7	1.22	1.27	9.7	9.3	14.9	229.3	5.29	174
D 18:21	5241.4	5239.1	5201.0	87.5	32.4	128	2100	2325	574	502	9.3	9.1	76.1	82.0	.65	.66	7	1.07	1.27	10.3	9.4	15.1	229.9	5.29	174
D 18:22	5242.2	5241.3	5203.0	161.1	29.7	128	2000	2321	583	502	9.3	9.1	76.1	82.1	.66	.67	7	.89	1.27	9.7	9.4	14.9	232.1	5.30	172
D 18:22	5242.8	5241.3	5203.0	161.1	35.1	127	1900	2321	578	502	9.3	9.1	76.0	82.1	.66	.67	7	.89	1.27	9.7	9.4	14.9	232.5	5.31	172
D 18:26	5243.7	5242.1	5209.0	67.7	32.3	127	1800	2312	577	506	9.3	9.1	76.0	81.7	.66	.67	7	1.12	1.27	9.8	9.3	15.0	233.0	5.37	172
D 18:29	5245.3	5243.7	5212.0	13.4	33.5	128	1900	2321	575	506	9.2	9.1	76.0	81.8	.66	.66	7	1.60	1.27	9.7	9.3	14.9	234.6	5.43	173