* BIT # 11 + UR   SMITH DSG   BIT DIAMETER : 17.50 inch   NOZZ 18/18/19

MUD RHEOLOGICAL PARAMETERS : PV = 22 YP = 45 GEL = 15

466387

TIME	MEASURED	DEPTHS VERTCL	LAGGED	ROP	WOB	RPM	DRILLING PARAMETERS TORQ	PRESS	FLOW IN	PIT VOL	DENSITY IN	OUT	MUD PARAMETERS TEMPERATURE IN	OUT	RESISTIVITY IN	OUT	GAS DCS	NORM	OVERPRESSURE SURVEY PF	ECD	FRAC	ACCUMULATED ON BIT FEET	TIME	COST
Hr:mn	feet	feet	feet	ft/h	klbs	rpm	ftlb	psi	gpm	bbls	ppg		degF		ohm		unit		ppg	ppg	ppg	feet	DHr	$
1:45	3212.2	3209.0	3024.0	409.7	2.9	81	1000	2196	786	502	8.9	9.0	81.2	87.3	.91	1.03	5	.31	1.28	8.6	8.9	13.1	179.5	.66	132
1:45	3214.2	3210.5	3025.0	320.4	3.7	76	1100	2191	790	500	8.9	9.0	81.2	87.5	.91	1.03	4	.35	1.28	8.6	8.9	13.	181.1	.67	131
1:46	3218.0	3215.1	3025.0	419.9	2.1	77	1000	2196	792	478	8.9	9.0	81.3	87.5	.91	1.03	4	.28	1.28	8.6	8.9	13.	185.7	.68	127
1:46	3221.4	3218.5	3025.0	68.2	3.7	78	1000	2196	790	498	8.9	9.0	81.3	87.8	.91	1.03	4	.60	1.28	8.6	8.9	13.	189.0	.68	125
1:47	3223.5	3220.7	3025.0	114.5	-.6	81	800	2187	790	496	8.9	9.0	81.3	87.7	.91	1.02	4	.38	1.28	8.6	8.9	13.	191.3	.69	124
1:48	3226.1	3222.5	3025.0	252.3	3.3	83	1000	2191	786	494	8.9	9.0	81.3	87.6	.91	1.03	3	.30	1.28	8.6	8.9	13.	193.0	.70	123
1:48	3230.1	3226.5	3025.0	253.2	3.7	78	1100	2191	790	490	8.9	9.0	81.4	87.7	.92	1.02	1	.38	1.28	8.6	8.9	13.2	197.2	.72	121
1:49	3232.2	3228.5	3026.0	367.9	2.7	78	900	2196	790	494	8.9	9.0	81.4	87.9	.92	1.03	3	.33	1.28	8.6	8.9	13.1	199.1	.72	120
1:49	3235.3	3232.5	3026.0	417.6	3.1	77	1100	2200	785	496	8.9	9.0	81.4	87.9	.92	1.03	3	.38	1.28	8.6	8.9	13.1	203.1	.73	118
2:0	3239.1	3236.5	3026.0	504.3	-.6	82	800	2222	795	516	8.9	9.0	81.5	87.0	.94	1.04	7	.00	1.28	8.6	8.9	13.1	207.0	.74	116
2:1	3241.8	3238.5	3026.0	464.3	-1.8	81	800	2222	790	508	8.9	9.0	81.5	86.8	.94	1.04	7	.00	1.28	8.6	8.9	13.1	209.0	.75	115
2:1	3244.2	3240.9	3026.0	746.6	-.4	81	900	2222	790	508	8.9	9.0	81.5	87.2	.94	1.04	5	-.00	1.29	8.6	8.9	13.1	211.4	.76	113
2:2	3247.3	3244.7	3026.0	404.3	.2	78	1100	2218	795	504	8.9	9.0	81.5	86.9	.94	1.03	4	.20	1.29	8.6	8.9	13.1	215.2	.77	112
2:2	3250.1	3246.6	3027.0	500.9	.3	81	1000	2227	790	502	8.9	9.0	81.5	87.2	.94	1.03	4	.00	1.29	8.6	8.9	13.1	217.2	.78	111
2:3	3253.3	3250.4	3027.0	242.3	-.2	79	900	2227	795	496	8.9	9.0	81.5	87.2	.94	1.04	3	.21	1.29	8.6	8.9	13.1	221.0	.78	109
2:3	3256.6	3253.1	3027.0	373.0	.2	82	800	2222	790	496	8.9	9.0	81.5	87.5	.94	1.03	3	.21	1.29	8.6	8.9	13.1	223.6	.79	108
2:4	3259.1	3255.6	3028.0	147.9	2.3	79	1200	2218	790	498	8.9	9.0	81.5	87.6	.94	1.04	3	.41	1.29	8.6	8.9	13.1	226.2	.81	107
2:4	3262.2	3259.7	3028.0	303.5	2.1	82	1000	2218	790	490	8.9	9.0	81.5	87.7	.94	1.03	3	.33	1.29	8.6	8.9	13.1	230.2	.81	105
2:5	3265.1	3261.8	3028.0	212.8	2.9	83	1000	2218	790	490	8.9	9.0	81.5	87.8	.94	1.03	4	.44	1.29	8.6	8.9	13.1	232.3	.83	104
2:13	3268.7	3266.0	3029.0	572.0	-1.5	83	800	2174	786	504	8.9	9.0	81.5	88.0	.97	1.03	5	.00	1.29	8.6	8.9	13.1	236.6	.85	103
2:14	3271.5	3268.5	3030.0	147.4	3.4	84	800	2178	780	498	8.9	9.0	81.6	88.0	.98	1.03	5	.47	1.29	8.6	8.9	13.1	239.0	.87	102
2:15	3274.5	3271.9	3030.0	373.1	1.2	81	900	2178	785	498	8.9	9.0	81.5	88.1	.98	1.03	5	.29	1.29	8.6	8.9	13.1	242.4	.88	101
2:15	3277.6	3274.7	3030.0	374.0	3.2	84	1100	2182	780	498	8.9	9.0	81.5	87.9	.97	1.02	4	.32	1.29	8.6	8.9	13.1	245.3	.89	100
2:16	3280.8	3277.9	3030.0	270.3	2.0	81	1000	2178	785	494	8.9	9.0	81.5	88.5	.98	1.02	4	.35	1.29	8.6	8.9	13.1	248.4	.90	99
2:16	3284.2	3281.7	3030.0	464.0	.1	79	1000	2178	780	484	8.9	9.0	81.5	88.2	.98	1.02	4	.23	1.29	8.6	8.9	13.1	252.2	.91	97
2:17	3286.1	3283.5	3030.0	405.6	1.2	82	1000	2178	786	482	8.9	9.0	81.5	88.2	.98	1.02	4	.27	1.29	8.6	8.9	13.1	254.0	.91	97
2:18	3290.7	3287.8	3031.0	397.4	-.1	82	900	2178	780	480	8.9	9.0	81.5	88.2	.98	1.03	3	.00	1.29	8.6	8.9	13.2	258.3	.92	95
2:18	3293.5	3292.4	3031.0	283.8	1.0	82	1000	2182	790	482	8.9	9.0	81.5	88.1	.98	1.03	3	.30	1.29	8.6	8.9	13.2	260.3	.93	94
2:18	3295.1	3292.4	3031.0	243.4	.3	84	900	2182	790	482	8.9	9.0	81.5	88.3	.98	1.03	4	-.00	1.29	8.6	8.9	13.2	263.0	.94	94
2:19	3298.5	3295.9	3032.0	228.4	.6	81	900	2178	780	480	8.9	9.0	81.5	88.5	.98	1.02	4	.31	1.29	8.6	8.9	13.2	266.5	.95	93
2:26	3301.5	3297.4	3033.0	378.0	-2.7	83	800	2187	780	492	8.9	9.0	81.9	87.6	.98	1.03	7	.26	1.29	8.6	8.9	13.2	268.0	.95	92
2:26	3304.1	3301.5	3034.0	291.0	-1.9	79	800	2187	786	488	8.9	9.0	81.9	87.6	.98	1.04	7	-.00	1.29	8.6	8.9	13.2	272.1	.96	91
2:27	3307.3	3304.7	3034.0	257.8	-1.7	79	800	2187	785	486	8.9	9.0	81.9	87.8	.98	1.03	7	-.00	1.29	8.6	8.9	13.2	275.2	.97	90
2:27	3310.2	3306.7	3034.0	175.6	1.6	81	900	2187	780	482	8.9	9.0	81.9	87.8	.98	1.02	4	-.00	1.29	8.6	8.9	13.2	277.2	.98	89
2:29	3313.2	3310.6	3035.0	129.6	-.6	78	1000	2182	785	480	8.9	9.0	82.0	88.1	.98	1.02	4	.44	1.29	8.6	8.9	13.2	281.1	1.00	88
2:31	3316.2	3313.6	3037.0	66.1	2.6	80	900	2182	786	474	8.9	9.0	82.0	87.9	.98	1.01	3	.56	1.29	8.6	8.9	13.2	284.2	1.04	88
2:33	3319.0	3316.5	3039.0	89.7	3.6	82	800	2178	786	476	8.9	9.0	81.9	88.6	.98	1.01	3	.50	1.29	8.6	8.9	13.2	287.0	1.07	87
2:34	3322.0	3318.6	3041.0	102.0	4.1	79	900	2187	785	474	8.9	9.0	81.9	88.1	.99	1.01	3	.55	1.29	8.6	8.9	13.2	289.1	1.09	87
2:37	3325.2	3322.4	3104.0	69.2	4.3	81	900	2182	785	474	8.9	9.0	82.0	88.9	.98	1.00	3	.62	1.29	8.6	8.9	13.2	293.1	1.13	86
2:45	3328.2	3324.5	3174.0	13.6	4.6	79	1000	2174	780	470	8.9	9.0	82.4	89.5	.98	.98	4	.96	1.29	8.6	8.9	13.2	295.0	1.27	87
2:54	3331.2	3327.7	3195.0	82.9	6.5	77	1000	2213	785	468	8.9	9.0	82.7	88.5	.98	1.00	7	.64	1.29	8.6	8.9	13.2	298.2	1.30	87
2:55	3334.2	3331.1	3195.0	362.7	4.5	81	1100	2218	790	464	8.9	9.0	82.8	88.3	.97	1.01	7	.34	1.29	8.6	8.9	13.2	301.6	1.31	86
2:55	3337.2	3334.6	3198.0	405.0	5.5	78	1100	2218	788	464	8.9	9.0	82.7	88.5	.97	1.00	7	.32	1.29	8.6	8.9	13.2	305.1	1.32	85
2:56	3340.6	3337.7	3198.0	208.4	5.9	81	1000	2218	790	460	8.9	9.0	82.7	88.1	.97	1.00	5	.44	1.29	8.6	8.9	13.2	308.3	1.34	85
2:57	3343.0	3339.7	3208.0	236.0	6.1	82	1100	2213	787	460	8.9	9.0	82.7	88.3	.97	1.01	4	.40	1.29	8.6	8.9	13.2	310.3	1.35	84
2:58	3346.2	3342.9	3208.0	244.8	4.5	80	1000	2218	790	458	8.9	9.0	82.7	88.5	.97	1.00	4	.42	1.29	8.6	8.9	13.2	313.5	1.36	83
2:58	3349.3	3346.6	3208.0	209.6	4.3	79	1100	2213	786	458	8.9	9.0	82.7	88.8	.97	1.00	8	.43	1.29	8.6	8.9	13.2	317.1	1.37	83
2:59	3352.3	3348.5	3219.0	252.9	5.1	79	1100	2218	785	458	8.9	9.0	82.7	88.9	.97	.99	4	.39	1.29	8.6	8.9	13.2	319.1	1.38	82
3:0	3355.5	3352.8	3219.0	286.3	5.9	79	1000	2218	790	460	8.9	9.0	82.7	89.1	.97	.99	4	.38	1.29	8.6	8.9	13.2	323.3	1.40	81

VALUES CROSS-OUT
WOB OSILLLS