* BIT # 18   SMITH F2   BIT DIAMETER : 12.25 inch   NOZZ 16/16/16   MUD RHEOLOGICAL PARAMETERS : PV = 10 YP = 8 GEL = 3

466451

	TIME	DEPTHS MEASURED	VERTCL	LAGGED	ROP	WOB	RPM	PIT ftlb	psi	IN gpm	VOL bbls	DENSITY IN	OUT	TEMP IN	OUT	RESIST IN	OUT	DCS/NORM unit	PF	ECD	PF ppg	ECD ppg	FRAC ppg	FEET	TIME Dhr	COST $
D	3: 5	5694.5	5693.6	5657.0	48.5	37.0	74	1800	1754	595	468	9.3	9.3	72.0	86.7	.64	.66	7	1.22	1.30	9.7	9.4	15.1	100.6	2.85	406
D	3: 6	5695.0	5694.3	5657.0	28.8	33.9	73	1800	1745	595	466	9.3	9.4	72.1	87.0	.64	.67	7	1.35	1.30	9.7	9.4	15.1	101.2	2.87	404
D	3: 9	5696.1	5694.3	5658.0	28.8	32.9	76	1800	1741	604	466	9.3	9.5	72.0	87.1	.64	.67	7	1.35	1.30	9.7	9.4	15.1	101.2	2.91	404
D	3:10	5697.1	5696.3	5658.0	46.4	38.2	74	1800	1750	599	470	9.3	9.4	72.1	86.5	.63	.66	7	1.21	1.30	9.7	9.4	15.1	103.3	2.93	398
D	3:12	5698.4	5696.3	5659.0	46.4	29.4	73	2000	1745	596	468	9.3	9.4	72.2	86.8	.63	.66	7	1.21	1.30	9.7	9.4	15.1	103.3	2.95	398
D	3:12	5700.2	5698.9	5659.0	162.3	34.2	75	1800	1745	599	466	9.3	9.2	72.1	86.8	.63	.67	7	.85	1.30	9.7	9.4	15.1	105.9	2.98	389
D	3:14	5701.5	5700.7	5660.0	40.0	32.5	74	1800	1750	601	470	9.3	9.3	72.2	86.7	.63	.66	7	1.20	1.30	9.4	9.4	15.0	107.7	3.00	384
D	3:17	5702.3	5701.6	5661.0	19.9	37.1	74	1800	1759	604	468	9.3	9.4	72.2	86.4	.63	.66	7	1.43	1.30	9.7	9.4	15.1	108.6	3.04	382
D	3:19	5703.1	5701.6	5661.0	19.9	32.8	75	2000	1754	599	468	9.3	9.4	72.2	86.7	.63	.67	7	1.43	1.30	9.7	9.4	15.1	108.6	3.07	382
D	3:20	5704.3	5703.3	5661.0	44.3	37.4	73	2100	1754	604	468	9.3	9.3	72.2	86.8	.63	.66	7	1.21	1.30	9.7	9.4	15.1	110.3	3.09	378
D	3:21	5705.2	5703.3	5662.0	44.3	34.8	74	2000	1759	599	470	9.3	9.4	72.3	86.6	.63	.67	7	1.21	1.30	9.7	9.4	15.1	110.3	3.11	378
D	3:22	5706.3	5704.5	5662.0	49.6	33.3	74	1700	1759	599	468	9.3	9.3	72.3	86.8	.63	.66	7	1.07	1.30	10.5	9.4	15.4	112.5	3.13	372
D	3:23	5707.1	5705.5	5663.0	73.9	33.3	75	1700	1759	595	468	9.3	9.3	72.3	86.6	.63	.67	7	1.07	1.30	10.5	9.4	15.4	112.5	3.14	372
D	3:24	5708.7	5707.7	5663.0	86.5	30.1	75	1800	1763	595	468	9.3	9.5	72.3	86.8	.63	.66	7	1.00	1.30	9.7	9.4	15.1	114.7	3.16	366
D	3:40	5709.8	5709.0	5671.0	49.0	33.5	77	1800	1709	587	484	9.3	9.4	72.2	85.5	.63	.66	7	1.18	1.30	9.6	9.4	15.1	116.0	3.18	362
D	3:40	5710.0	5709.0	5671.0	49.0	33.5	78	1700	1705	589	480	9.3	9.3	72.2	85.0	.63	.68	7	1.18	1.30	9.6	9.4	15.1	116.0	3.19	362
D	3:44	5711.1	5710.4	5677.0	21.5	30.2	78	1700	1714	587	478	9.3	9.4	72.2	86.4	.63	.66	7	1.39	1.30	9.7	9.4	15.1	117.4	3.25	360
D	3:46	5712.3	5711.5	5677.0	25.2	30.6	78	1700	1709	584	478	9.3	9.4	72.1	87.0	.63	.66	7	1.42	1.30	9.7	9.4	15.1	118.5	3.29	358
D	3:47	5713.1	5712.4	5680.0	44.8	39.6	77	1800	1705	592	476	9.3	9.4	72.1	86.8	.63	.66	7	1.25	1.30	9.7	9.4	15.1	119.4	3.31	356
D	3:49	5714.4	5713.6	5681.0	48.6	35.0	78	1800	1709	589	476	9.3	9.4	72.0	87.3	.64	.66	7	1.26	1.30	9.7	9.4	15.1	120.6	3.34	353
D	3:50	5715.2	5714.5	5681.0	68.2	32.1	78	2000	1705	589	476	9.3	9.3	72.1	87.2	.64	.66	7	1.09	1.30	10.3	9.4	15.3	121.5	3.35	351
D	3:51	5716.0	5715.4	5683.0	68.2	32.2	78	1600	1700	585	476	9.3	9.3	72.1	87.3	.64	.66	7	1.09	1.30	10.3	9.4	15.3	121.5	3.38	351
D	3:53	5717.3	5716.6	5685.0	39.7	35.3	78	1700	1700	587	478	9.3	9.4	72.1	87.2	.64	.66	7	1.24	1.30	9.7	9.4	15.1	123.6	3.41	347
D	3:54	5718.2	5716.6	5685.0	39.7	30.8	78	1700	1696	588	478	9.3	9.4	72.1	87.3	.64	.67	7	1.24	1.30	9.7	9.4	15.1	123.6	3.43	347
D	3:56	5719.2	5718.5	5686.0	33.5	37.3	78	2000	1705	589	482	9.3	9.4	72.2	87.6	.64	.66	7	1.27	1.30	9.7	9.4	15.1	125.4	3.46	343
D	3:58	5720.2	5718.5	5688.0	33.5	37.8	78	1600	1700	587	482	9.4	9.3	72.2	87.6	.64	.65	7	1.27	1.30	9.7	9.4	15.1	125.4	3.48	343
D	3:59	5721.2	5720.5	5689.0	59.6	36.0	78	1900	1691	588	480	9.3	9.4	72.2	87.6	.64	.66	7	1.15	1.30	9.8	9.4	15.2	127.5	3.50	339
D	4: 1	5722.2	5720.5	5690.0	59.6	31.0	77	1700	1691	589	480	9.3	9.4	71.8	87.6	.64	.67	7	1.15	1.30	9.8	9.4	15.2	127.5	3.54	339
D	4: 2	5723.3	5722.5	5691.0	46.1	35.9	79	1800	1700	591	480	9.3	9.4	67.9	87.6	.64	.66	7	1.19	1.30	9.5	9.4	15.2	129.5	3.56	335
D	4: 4	5724.1	5722.5	5691.0	46.1	37.9	78	1800	1691	585	480	9.3	9.3	72.2	87.6	.64	.65	7	1.19	1.30	9.5	9.4	15.2	129.5	3.59	335
D	4: 7	5725.0	5724.3	5693.0	25.1	22.5	78	1500	1687	591	478	9.3	9.4	72.4	88.1	.64	.66	7	1.38	1.30	9.7	9.4	15.1	131.3	3.63	333
D	4:10	5726.1	5725.4	5694.0	21.3	37.2	78	2100	1696	584	478	9.3	9.4	72.5	88.2	.64	.64	7	1.44	1.30	9.7	9.3	15.1	132.3	3.68	331
D	4:11	5727.4	5726.6	5695.0	50.2	36.6	77	1700	1696	586	480	9.3	9.4	72.6	88.3	.64	.65	7	1.19	1.30	9.5	9.4	15.1	133.6	3.71	329
D	4:13	5728.1	5726.6	5696.0	50.2	33.0	77	1700	1696	588	480	9.3	9.4	72.6	88.4	.64	.65	7	1.19	1.30	9.5	9.4	15.1	133.6	3.73	329
D	4:15	5729.3	5728.5	5698.0	30.5	38.6	77	1800	1696	583	480	9.3	9.3	72.7	88.6	.64	.64	7	1.36	1.30	9.7	9.4	15.1	135.5	3.77	326
D	4:17	5730.0	5729.3	5700.0	25.8	39.5	77	1700	1696	592	478	9.3	9.3	72.8	88.4	.64	.64	7	1.38	1.30	9.7	9.4	15.1	136.3	3.80	325
D	4:19	5731.0	5730.3	5701.0	28.6	39.5	78	1700	1696	587	478	9.3	9.3	72.8	88.3	.64	.65	7	1.35	1.30	9.7	9.4	15.1	137.3	3.83	323
D	4:22	5732.0	5731.3	5702.0	18.5	40.7	78	1700	1669	589	478	9.3	9.3	72.9	88.5	.64	.64	7	1.49	1.30	9.7	9.4	15.1	138.3	3.89	323
D	4:34	5733.1	5732.4	5707.0	25.4	36.5	78	2100	1691	584	480	9.3	9.4	73.1	86.5	.65	.64	7	1.28	1.30	9.7	9.4	15.1	139.3	3.93	321
D	4:38	5734.1	5733.4	5708.0	15.8	31.2	79	1800	1687	586	476	9.3	9.3	73.1	86.5	.65	.64	7	1.47	1.30	9.7	9.4	15.1	140.4	3.99	321
D	4:41	5735.2	5734.4	5709.0	17.8	33.7	79	2000	1687	578	472	9.3	9.3	73.0	88.1	.64	.63	7	1.41	1.30	9.7	9.4	15.1	141.4	4.05	320
D	4:42	5736.1	5734.4	5709.0	17.8	28.8	79	1400	1682	580	470	9.3	9.3	73.1	88.3	.65	.64	7	1.41	1.30	9.7	9.4	15.1	141.4	4.07	320
D	4:46	5737.1	5736.4	5710.0	16.6	36.1	79	1700	1687	587	470	9.3	9.2	73.1	87.8	.64	.64	7	1.45	1.30	9.7	9.3	15.1	143.3	4.13	317
D	4:49	5738.2	5737.4	5712.0	21.6	33.7	80	1800	1687	584	474	9.3	9.3	73.1	87.8	.65	.64	7	1.37	1.30	9.7	9.4	15.1	144.4	4.18	316
D	4:52	5739.1	5737.4	5714.0	21.6	31.1	81	1600	1682	584	476	9.3	9.4	73.2	88.0	.64	.63	7	1.37	1.30	9.7	9.4	15.1	144.4	4.23	316
D	4:55	5740.0	5739.3	5717.0	19.3	35.6	81	1700	1682	584	478	9.3	9.4	73.2	88.1	.64	.64	7	1.41	1.30	9.7	9.4	15.1	146.3	4.28	315
D	4:59	5741.2	5740.5	5719.0	17.4	33.2	81	1700	1682	584	482	9.3	9.4	73.3	87.7	.64	.65	7	1.47	1.30	9.7	9.4	15.1	147.4	4.35	314
D	5: 2	5742.0	5740.5	5721.0	17.4	31.1	81	1500	1678	584	482	9.3	9.4	73.4	88.3	.64	.64	7	1.47	1.30	9.7	9.4	15.1	147.4	4.40	314
D	5: 6	5743.1	5741.3	5723.0	15.5	34.6	81	1800	1682	583	482	9.3	9.4	73.4	87.9	.64	.64	7	1.48	1.30	9.7	9.4	15.1	148.3	4.47	313