

* BIT # 8 SMITH F3J BIT DIAMETER : 12.25 inch NOZZ 13/13/13
 * MUD RHEOLOGICAL PARAMETERS : PV = 2 YP = 1 GEL = 1 *

* TIME *	* MEASURED *	* DEPTHS *			* DRILLING PARAMETERS *				* MUD PARAMETERS *				* GAS *				* OVERPRESSURE SURVEY *				* ACCUMULATED ON BIT *								
		VERTCL	LAGGED	* ROP *	* WOB *	RPM	TORQ	PRESS	FLOW	* PIT *	DENSITY	TEMPERATURE		RESISTIVITY		* GAS *	OVERPRESSURE SURVEY			* FEET *	TIME	COST							
* Hr:mn *	* feet *	feet	feet	* ft/h *	* klbs *	rph	ftlb	psi	gpm	* bbls *	ppg	IN	OUT	degF	IN	OUT	ohm	* unit *	* DCS *	NORM	PF	ECD	FRAC	ppg	ppg	ppg	* feet *	DHr	\$
D * 6: 7 *	2560.1	2560.0	2536.0	* 25.4 *	* 14.4 *	91	800	1664	494	* 540 *	8.6	8.6	57.9	65.9	.21	.22	* 3 *	* 1.17 *	.93	* 8.6 *	* 8.6 *	13.2	* 452.0 *	7.74	122				
D * 6:13 *	2562.6	2562.1	2543.0	* 29.6 *	* 11.1 *	93	700	1660	500	* 544 *	8.6	8.6	57.9	65.9	.21	.22	* 3 *	* 1.12 *	.93	* 8.6 *	* 8.6 *	13.2	* 455.0 *	7.83	123				
D * 6:19 *	2565.0	2565.0	2545.0	* 25.6 *	* 13.0 *	87	800	1673	494	* 544 *	8.6	8.6	57.9	65.9	.21	.22	* 4 *	* 1.17 *	.93	* 8.6 *	* 8.6 *	13.2	* 457.8 *	7.94	123				
D * 6:25 *	2567.6	2567.2	2547.0	* 22.6 *	* 11.1 *	93	800	1673	504	* 540 *	8.6	8.6	57.9	65.9	.21	.22	* 3 *	* 1.19 *	.93	* 8.6 *	* 8.6 *	13.2	* 460.0 *	8.04	123				
D * 6:31 *	2570.0	2569.1	2553.0	* 24.9 *	* 11.9 *	91	800	1668	494	* 530 *	8.6	8.6	57.9	65.8	.21	.22	* 3 *	* 1.16 *	.93	* 8.6 *	* 8.6 *	13.2	* 461.9 *	8.13	123				
D * 6:35 *	2572.6	2572.2	2553.0	* 41.1 *	* 13.2 *	90	800	1664	497	* 534 *	8.6	8.6	57.8	65.9	.21	.22	* 3 *	* 1.03 *	.93	* 8.6 *	* 8.6 *	13.3	* 465.0 *	8.20	123				
D * 6:40 *	2575.1	2574.3	2553.0	* 36.4 *	* 11.5 *	91	700	1668	504	* 530 *	8.6	8.6	57.8	65.9	.21	.22	* 3 *	* 1.03 *	.93	* 8.6 *	* 8.6 *	13.3	* 467.1 *	8.29	123				
D * 6:46 *	2577.7	2577.0	2555.0	* 21.5 *	* 14.0 *	96	700	1668	504	* 526 *	8.6	8.6	57.8	65.9	.21	.22	* 3 *	* 1.10 *	.93	* 8.6 *	* 8.6 *	13.3	* 469.8 *	8.39	123				
D * 6:52 *	2580.0	2579.0	2558.0	* 24.0 *	* 14.0 *	90	800	1668	502	* 522 *	8.6	8.6	57.9	65.9	.21	.22	* 3 *	* 1.15 *	.93	* 8.6 *	* 8.6 *	13.3	* 471.8 *	8.40	123				
D * 7:57 *	2582.5	2582.1	2566.0	* 21.1 *	* 23.5 *	96	1000	1610	494	* 502 *	8.6	8.6	57.7	65.9	.21	.21	* 3 *	* 1.19 *	.93	* 8.6 *	* 8.6 *	13.3	* 474.9 *	8.66	123				
D * 8: 2 *	2585.1	2584.1	2568.0	* 37.4 *	* 23.1 *	97	1000	1693	504	* 500 *	8.6	8.6	57.6	64.1	.21	.20	* 3 *	* 1.24 *	.93	* 8.6 *	* 8.6 *	13.3	* 476.9 *	8.73	124				
D * 8: 6 *	2587.7	2587.0	2571.0	* 38.0 *	* 23.5 *	98	1000	1693	504	* 498 *	8.6	8.6	57.4	65.2	.21	.21	* 3 *	* 1.24 *	.93	* 8.6 *	* 8.6 *	13.3	* 479.9 *	8.81	124				
D * 8: 9 *	2590.1	2589.2	2573.0	* 44.7 *	* 23.9 *	95	1000	1697	509	* 498 *	8.6	8.6	57.3	65.5	.21	.21	* 3 *	* 1.19 *	.93	* 8.6 *	* 8.6 *	13.3	* 482.8 *	8.85	123				
D * 8:13 *	2592.8	2592.1	2574.0	* 51.7 *	* 23.7 *	95	1000	1702	504	* 500 *	8.6	8.6	57.3	65.5	.21	.21	* 3 *	* 1.15 *	.93	* 8.6 *	* 8.6 *	13.3	* 484.9 *	8.91	123				
D * 8:16 *	2595.1	2595.1	2576.0	* 48.8 *	* 22.5 *	97	1000	1712	504	* 500 *	8.6	8.6	57.2	65.7	.21	.21	* 4 *	* 1.16 *	.93	* 8.6 *	* 8.6 *	13.3	* 487.9 *	8.96	123				
D * 8:18 *	2597.6	2597.4	2577.0	* 54.2 *	* 23.0 *	97	900	1717	509	* 500 *	8.6	8.6	57.2	65.6	.21	.22	* 3 *	* 1.14 *	.93	* 8.6 *	* 8.6 *	13.3	* 490.2 *	9.00	122				
D * 8:22 *	2600.1	2600.1	2578.0	* 39.5 *	* 22.6 *	99	1000	1712	509	* 504 *	8.6	8.6	57.2	65.7	.21	.22	* 4 *	* 1.21 *	.93	* 8.6 *	* 8.6 *	13.3	* 492.9 *	9.06	122				
D * 8:27 *	2602.7	2602.0	2580.0	* 26.8 *	* 24.6 *	95	1000	1726	504	* 506 *	8.6	8.6	57.2	65.7	.21	.22	* 3 *	* 1.32 *	.93	* 8.6 *	* 8.6 *	13.3	* 494.8 *	9.14	122				
D * 8:31 *	2605.0	2604.1	2582.0	* 35.1 *	* 22.4 *	96	1000	1726	504	* 506 *	8.6	8.6	57.2	65.7	.21	.22	* 3 *	* 1.25 *	.93	* 8.6 *	* 8.6 *	13.3	* 496.9 *	9.20	122				
D * 8:33 *	2607.5	2607.1	2582.0	* 64.4 *	* 24.8 *	97	900	1726	509	* 508 *	8.6	8.6	57.2	65.9	.21	.22	* 4 *	* 1.08 *	.93	* 8.6 *	* 8.6 *	13.3	* 499.9 *	9.24	122				
D * 8:35 *	2610.1	2610.1	2582.0	* 53.6 *	* 20.4 *	104	900	1736	507	* 502 *	8.6	8.6	57.1	65.8	.21	.22	* 4 *	* 1.13 *	.93	* 8.6 *	* 8.6 *	13.3	* 503.0 *	9.28	121				
D * 8:50 *	2612.7	2612.2	2582.0	* 36.0 *	* 19.1 *	94	1100	1770	509	* 488 *	8.6	8.6	57.1	65.2	.21	.22	* 3 *	* 1.01 *	.94	* 8.6 *	* 8.6 *	13.3	* 505.0 *	9.34	121				
D * 8:52 *	2615.1	2615.0	2583.0	* 51.5 *	* 25.8 *	95	1100	1770	514	* 488 *	8.6	8.6	57.1	64.9	.21	.22	* 3 *	* 1.14 *	.94	* 8.6 *	* 8.6 *	13.3	* 507.8 *	9.38	121				
D * 8:55 *	2617.7	2617.0	2584.0	* 52.6 *	* 21.4 *	109	1000	1780	520	* 482 *	8.6	8.6	57.2	65.3	.21	.22	* 3 *	* 1.15 *	.94	* 8.6 *	* 8.6 *	13.3	* 509.8 *	9.43	121				
D * 8:59 *	2620.1	2620.1	2587.0	* 41.2 *	* 24.2 *	96	1000	1775	515	* 480 *	8.6	8.6	57.2	65.9	.21	.22	* 3 *	* 1.23 *	.94	* 8.6 *	* 8.6 *	13.3	* 512.9 *	9.49	121				
D * 9: 3 *	2622.5	2622.1	2590.0	* 38.9 *	* 22.6 *	96	900	1785	520	* 484 *	8.6	8.6	57.2	65.9	.21	.21	* 3 *	* 1.22 *	.94	* 8.6 *	* 8.6 *	13.3	* 514.9 *	9.55	120				
D * 9:12 *	2625.0	2624.1	2595.0	* 39.8 *	* 15.7 *	97	800	1668	499	* 496 *	8.6	8.6	57.2	66.8	.21	.35	* 4 *	* 1.19 *	.94	* 8.6 *	* 8.6 *	13.3	* 516.9 *	9.62	120				
D * 9:15 *	2627.8	2627.1	2598.0	* 39.7 *	* 27.3 *	104	1100	1659	499	* 494 *	8.6	8.6	57.2	65.9	.21	.34	* 3 *	* 1.30 *	.94	* 8.6 *	* 8.6 *	13.3	* 519.9 *	9.68	120				
D * 9:18 *	2630.1	2630.2	2600.0	* 48.0 *	* 27.7 *	107	1100	1644	500	* 492 *	8.6	8.6	57.2	65.8	.21	.27	* 3 *	* 1.23 *	.94	* 8.6 *	* 8.6 *	13.3	* 523.0 *	9.73	120				
D * 9:22 *	2632.5	2632.0	2602.0	* 35.0 *	* 28.3 *	96	1100	1644	500	* 490 *	8.6	8.6	57.2	65.5	.21	.23	* 3 *	* 1.33 *	.94	* 8.6 *	* 8.6 *	13.3	* 524.0 *	9.78	120				
D * 9:25 *	2635.2	2634.0	2604.0	* 32.0 *	* 25.8 *	101	1100	1644	493	* 494 *	8.6	8.6	57.2	65.5	.21	.22	* 1 *	* 1.33 *	.94	* 8.6 *	* 8.6 *	13.3	* 526.9 *	9.84	120				
D * 9:29 *	2637.6	2637.2	2607.0	* 32.9 *	* 28.3 *	97	1100	1639	494	* 490 *	8.6	8.6	57.3	65.5	.21	.22	* 3 *	* 1.35 *	.94	* 8.6 *	* 8.6 *	13.3	* 530.0 *	9.91	119				
D * 9:33 *	2640.0	2639.0	2611.0	* 43.8 *	* 26.1 *	104	1000	1639	494	* 490 *	8.6	8.6	57.2	65.4	.21	.22	* 3 *	* 1.26 *	.94	* 8.6 *	* 8.6 *	13.3	* 531.9 *	9.96	119				
D * 9:46 *	2642.6	2642.0	2612.0	* 43.9 *	* 0 *	0	100	1548	473	* 526 *	8.6	8.6	57.3	65.5	.21	.22	* 4 *	* 1.25 *	.94	* 8.6 *	* 8.6 *	13.3	* 534.8 *	10.05	119				
D * 9:47 *	2645.2	2645.1	2614.0	* 349.0 *	* 4 *	110	700	1649	482	* 524 *	8.6	8.6	57.2	65.5	.21	.22	* 3 *	* 1.00 *	.94	* 8.6 *	* 8.6 *	13.3	* 537.9 *	10.06	119				
D * 9:47 *	2648.0	2646.9	2614.0	* 478.1 *	* 1.1 *	102	700	1659	491	* 524 *	8.6	8.6	57.2	65.5	.21	.22	* 4 *	* 1.30 *	.94	* 8.6 *	* 8.6 *	13.3	* 539.7 *	10.07	118				
D * 9:53 *	2650.0	2651.3	2618.0	* 73.9 *	* 24.2 *	101	1000	1649	494	* 516 *	8.6	8.6	57.2	64.9	.21	.22	* 3 *	* 1.16 *	.94	* 8.6 *	* 8.6 *	13.3	* 545.1 *	10.15	118				
D * 9:56 *	2652.5	2654.4	2620.0	* 57.4 *	* 18.5 *	97	1000	1649	498	* 516 *	8.6	8.6	57.2	65.4	.21	.22	* 3 *	* 1.10 *	.94	* 8.6 *	* 8.6 *	13.3	* 547.2 *	10.19	118				
D * 9:58 *	2655.0	2656.2	2621.0	* 55.9 *	* 23.0 *	101	1000	1649	494	* 510 *	8.6	8.6	57.2	65.4	.21	.22	* 3 *	* 1.13 *	.94	* 8.6 *	* 8.6 *	13.3	* 550.0 *	10.23	117				
D * 10: 0 *	2657.6	2659.3	2623.0	* 80.0 *	* 22.2 *	99	900	1649	494	* 514 *	8.6	8.6	57.2	65.5	.21	.22	* 3 *	* 1.03 *	.94	* 8.6 *	* 8.6 *	13.3	* 552.1 *	10.27	117				
D * 10: 4 *	2660.0	2661.3	2624.0	* 55.6 *	* 24.8 *	96	900	1654	493	* 516 *	8.6	8.6	57.2	65.5	.21	.22	* 3 *	* 1.12 *	.94	* 8.6 *	* 8.6 *	13.3	* 554.1 *	10.32	117				
D * 10: 5 *	2662.5	2664.2	2625.0	* 80.4 *	* 31.3 *	95	1100	1644	494	* 510 *	8.6	8.6	57.2	65.4	.21	.22	* 3 *	* 1.12 *	.94	* 8.6 *	* 8.6 *	13.3	* 557.0 *	10.35	117				
D * 10: 7 *	2665.1	2666.3	2626.0	* 58.6 *	* 31.5 *	93	1100	1644	494	* 510 *	8.6	8.6	57.2	65.4	.21	.22	* 3 *	* 1.20 *	.94	* 8.6 *	* 8.6 *	13.3	* 559.2 *	10.39	116				
D * 10: 9 *	2667.6	2669.2	2627.0	* 84.8 *	* 33.1 *	98	1000	1649	494	* 512 *	8.6	8.6	57.2	65.5	.21	.22	* 3 *	* 1.12 *	.94	* 8.6 *	* 8.6 *	13.3	* 562.0 *	10.42	116				
D * 10:11 *	2670.0	2671.3	2628.0	* 73.0 *	* 30.1 *	99	1100	1644	494	* 514 *	8.6	8.6	57.2	65.5	.21	.22	* 3 *	* 1.14 *	.94	* 8.6 *	* 8.6 *	13.3	* 564.2 *	10.45	116				
D * 10:14 *	2672.6	2674.2	2631.0	* 87.3 *	* 34.2 *	91	1200	1644	494	* 514 *	8.6	8.6	57.2	65.4	.21	.22	* 3 *	* 1.10 *	.94	* 8.6 *	* 8.6 *	13.3	* 567.0 *	10.47	115				
D * 10:28 *	2675.0	2677.1	2638.0	* 14.9 *	* 28.5 *	95	1100	1744	506	* 524 *	8.6	8.6	57.2	65.3	.21	.22	* 4 *	* 1.33 *	.94	* 8.6 *	* 8.6 *	13.3	* 569.9 *	10.58	115				
D * 10:31 *	2677.8	2679.1	2640.0	* 46.7 *	* 34.8 *	97	1200	1697	513	* 522 *	8.6	8.6	57.3	65.1	.21	.22	* 3 *	* 1.28 *	.94	* 8.6 *	* 8.6 *	13.3	* 571.9 *	10.62	115				