

\* BIT # 6 SMITH SDS BIT DIAMETER: 12.25 inch WOZZ 12/12/13 MUD RHEOLOGICAL PARAMETERS: PV = 3 YP = 1 GEL = 1 \*

* TIME *	* DEPTHS *			* DRILLING PARAMETERS *							* MUD PARAMETERS *				* GAS *				* OVERPRESSURE SURVEY *				* ACCUMULATED ON BIT *		
	* MEASURED *	* VERTCL *	* LAGGED *	* ROP *	* WOB *	* RPM *	* TORQ *	* PRESS *	* FLOW *	* PIT *	* DENSITY *	* TEMPERATURE *		* RESISTIVITY *		* DC *	* NORM *	* PF *	* ECD *	* FRAC *	* FEET *	* TIME *	* COST *		
* Hr:mn *	* feet *	* feet *	* feet *	* ft/h *	* klbs *	* rpm *	* ftlb *	* psi *	* gpm *	* bbls *	* IN *	* OUT *	* IN *	* OUT *	* ohm *	* unit *	* ppq *	* ppq *	* ppq *	* feet *	* Dhr *	* \$ *			
D * 19:45 *	1659.1	1657.6	1559.0	384.0	2.2	86	1000	2264	532	446	8.6	8.6	59.3	65.5	.20	.24	5	.27	.86	10.9	8.6	13.8	293.4	1.77	80
D * 19:46 *	1661.1	1659.8	1559.0	363.1	2.7	85	1000	2255	532	452	8.6	8.6	59.4	65.5	.20	.24	8	.36	.86	10.9	8.6	13.8	295.6	1.78	79
D * 19:46 *	1663.5	1662.7	1559.0	289.7	3.7	85	1000	2251	532	448	8.6	8.6	59.3	65.2	.20	.23	14	.44	.86	10.9	8.6	13.8	298.5	1.79	79
D * 19:47 *	1665.8	1664.7	1559.0	349.1	3.9	85	1100	2260	532	446	8.6	8.6	59.3	65.0	.20	.23	15	.41	.86	10.9	8.6	13.8	300.5	1.79	78
D * 19:47 *	1668.3	1666.7	1559.0	363.8	3.2	86	1100	2269	532	446	8.6	8.6	59.5	65.0	.20	.23	16	.37	.86	10.9	8.6	13.8	302.5	1.80	78
D * 19:48 *	1669.8	1668.6	1563.0	295.6	2.5	89	1000	2264	532	446	8.6	8.6	59.4	65.1	.20	.23	18	.42	.86	10.9	8.6	13.8	304.4	1.81	78
D * 19:48 *	1670.2	1668.6	1563.0	295.6	2.9	89	1100	2260	532	446	8.6	8.6	59.5	65.1	.20	.24	16	.42	.86	10.9	8.6	13.8	304.4	1.81	78
D * 19:48 *	1671.2	1669.9	1563.0	169.1	4.4	87	1000	2264	532	442	8.6	8.6	59.4	65.2	.20	.24	15	.50	.86	11.0	8.6	14.2	306.5	1.82	77
D * 20: 3 *	1685.5	1670.7	1607.0	153.6	6.3	84	800	2251	529	456	8.6	8.6	59.1	66.7	.20	.23	9	.46	.86	10.9	8.6	13.8	320.9	1.84	74
D * 20: 3 *	1686.1	1685.1	1607.0	217.3	12.0	85	800	2251	532	458	8.6	8.6	58.9	66.6	.21	.23	8	.46	.86	10.9	8.6	13.8	320.9	1.84	74
D * 20: 4 *	1687.0	1685.6	1613.0	100.3	13.4	88	800	2260	532	456	8.6	8.6	58.8	66.1	.21	.22	7	.80	.86	10.9	8.6	13.8	322.4	1.85	74
D * 20: 5 *	1688.8	1687.9	1619.0	86.4	20.3	85	1400	2255	531	450	8.6	8.6	59.1	65.9	.21	.22	11	.90	.86	10.9	8.6	13.8	323.7	1.87	74
D * 20: 5 *	1689.1	1687.9	1619.0	86.4	20.3	85	1400	2255	531	450	8.6	8.6	59.2	65.8	.21	.22	11	.90	.86	10.9	8.6	13.8	323.7	1.87	74
D * 20: 5 *	1691.1	1690.6	1619.0	264.1	18.9	89	1300	2274	536	448	8.6	8.6	59.0	65.7	.21	.22	15	.64	.87	11.1	8.6	13.9	326.4	1.88	73
D * 20: 6 *	1692.3	1691.7	1619.0	309.6	20.8	91	1400	2274	537	446	8.6	8.6	59.0	65.7	.21	.22	16	.62	.87	11.3	8.6	14.0	327.5	1.88	73
D * 20: 6 *	1693.1	1691.7	1619.0	309.6	22.4	88	1300	2274	533	448	8.6	8.6	59.1	65.8	.21	.22	16	.62	.87	11.3	8.6	14.0	327.5	1.89	73
D * 20: 6 *	1694.9	1693.6	1622.0	203.4	15.9	2	2000	2237	532	448	8.6	8.6	59.1	65.9	.21	.22	18	.73	.87	10.2	8.6	13.5	329.4	1.89	73
D * 20: 6 *	1695.8	1695.3	1622.0	309.4	14.8	11	2600	2237	532	448	8.6	8.6	59.1	65.9	.21	.22	16	.18	.87	11.0	8.6	13.9	331.1	1.89	72
D * 20: 7 *	1696.2	1695.6	1622.0	172.0	7.2	0	-100	2237	532	446	8.6	8.6	59.2	66.2	.21	.23	16	-.36	.87	11.0	8.6	13.9	331.4	1.90	72
D * 20: 9 *	1697.8	1695.6	1623.0	172.0	-1.6	88	1000	2264	534	444	8.6	8.6	59.4	66.4	.21	.25	9	-.36	.87	11.0	8.6	13.9	331.4	1.90	72
D * 20: 9 *	1699.4	1698.4	1623.0	440.4	-1	89	1000	2311	527	442	8.6	8.6	59.4	66.4	.21	.26	11	-.80	.87	11.0	8.6	13.9	334.2	1.91	72
D * 20: 9 *	1701.7	1700.4	1623.0	621.8	-1	88	1000	2264	528	444	8.6	8.6	59.4	66.4	.21	.26	11	.80	.87	11.0	8.6	13.9	336.2	1.91	71
D * 20: 9 *	1703.0	1701.7	1623.0	640.5	-4	87	1100	2260	532	444	8.6	8.6	59.4	66.6	.21	.26	12	.80	.87	11.0	8.6	13.9	337.5	1.91	71
D * 20:10 *	1706.8	1704.1	1623.0	122.9	6.5	85	1400	2251	532	442	8.6	8.6	59.4	66.7	.21	.26	22	.63	.87	11.2	8.6	14.0	342.4	1.93	70
D * 20:11 *	1710.1	1709.1	1623.0	575.2	3.4	86	900	2255	532	442	8.6	8.6	59.4	66.7	.21	.26	28	.30	.87	11.0	8.6	13.9	344.9	1.93	70
D * 20:11 *	1712.8	1711.4	1623.0	449.1	2.8	89	1000	2260	532	436	8.6	8.6	59.4	66.8	.21	.25	32	.32	.87	11.0	8.6	13.9	347.2	1.94	69
D * 20:11 *	1715.3	1714.8	1623.0	971.9	1.8	88	1000	2260	532	438	8.6	8.6	59.4	66.9	.21	.25	36	.19	.87	11.0	8.6	13.9	350.6	1.94	69
D * 20:11 *	1716.6	1716.1	1623.0	363.6	4.4	24	500	2241	537	440	8.6	8.6	59.3	66.9	.21	.25	41	.36	.87	11.0	8.6	13.9	352.0	1.94	69
D * 20:20 *	1717.3	1716.6	1648.0	32.5	-4.2	92	900	2209	542	464	8.6	8.6	59.3	69.0	.21	.29	5	-.80	.87	11.0	8.6	13.9	352.4	1.95	69
D * 20:21 *	1719.4	1718.0	1648.0	375.4	-1.8	88	900	2200	538	464	8.6	8.6	59.4	69.0	.21	.30	5	.80	.87	11.0	8.6	13.9	354.8	1.96	68
D * 20:21 *	1721.3	1720.9	1652.0	502.5	-2.3	86	1100	2204	527	462	8.6	8.6	59.4	69.0	.21	.30	5	.80	.87	11.0	8.6	13.9	356.7	1.96	68
D * 20:21 *	1723.5	1721.6	1652.0	369.1	-6	86	1000	2200	527	462	8.6	8.6	59.4	68.9	.21	.31	5	-.80	.87	11.0	8.6	13.9	357.4	1.97	68
D * 20:21 *	1724.9	1723.9	1652.0	331.2	-6	86	1000	2200	532	460	8.6	8.6	59.4	68.9	.21	.31	5	-.80	.87	11.0	8.6	13.9	359.0	1.97	67
D * 20:22 *	1725.6	1724.6	1652.0	323.1	-4	85	1100	2200	532	460	8.6	8.6	59.4	68.9	.21	.31	4	-.80	.87	11.0	8.6	13.9	360.4	1.97	67
D * 20:22 *	1726.9	1725.9	1652.0	343.1	-6	85	1100	2195	527	460	8.6	8.6	59.4	68.9	.21	.32	5	.24	.87	11.0	8.6	13.9	361.7	1.98	67
D * 20:22 *	1727.2	1725.9	1652.0	343.1	.6	85	1100	2195	527	460	8.6	8.6	59.4	68.9	.21	.33	4	.24	.87	11.0	8.6	13.9	361.7	1.98	67
D * 20:22 *	1728.2	1727.6	1652.0	151.3	-1.3	85	1100	2195	527	460	8.6	8.6	59.4	68.8	.21	.33	4	.80	.87	11.0	8.6	13.9	363.4	1.98	67
D * 20:23 *	1729.2	1727.6	1652.0	151.3	-1.3	87	1000	2200	526	460	8.6	8.6	59.4	68.4	.21	.33	4	.80	.87	11.0	8.6	13.9	363.4	1.99	67
D * 20:23 *	1731.2	1730.2	1652.0	246.8	.3	88	900	2204	522	460	8.6	8.6	59.4	68.8	.21	.33	5	.37	.87	11.0	8.6	13.9	366.6	2.00	66
D * 20:24 *	1733.2	1731.6	1652.0	215.2	1.0	88	900	2204	527	462	8.6	8.6	59.4	67.6	.21	.33	5	.32	.87	11.0	8.6	13.9	367.4	2.00	66
D * 20:24 *	1735.2	1734.3	1652.0	326.9	2.5	89	900	2209	527	462	8.6	8.6	59.4	67.2	.21	.33	5	.39	.87	11.0	8.6	13.9	370.1	2.01	66
D * 20:24 *	1736.5	1735.9	1652.0	196.6	-1.1	89	900	2204	532	462	8.6	8.6	59.3	66.9	.21	.32	7	-.80	.87	11.0	8.6	13.9	371.7	2.02	66
D * 20:24 *	1737.8	1735.9	1652.0	196.6	-1.1	87	900	2200	532	462	8.6	8.6	59.3	66.9	.21	.32	7	-.80	.87	11.0	8.6	13.9	372.5	2.02	65
D * 20:25 *	1738.9	1737.7	1652.0	291.2	-1.3	90	900	2200	532	462	8.6	8.6	59.4	66.7	.21	.30	8	-.80	.87	11.0	8.6	13.9	373.5	2.02	65
D * 20:25 *	1739.5	1737.7	1652.0	291.2	-1.1	90	900	2200	532	462	8.6	8.6	59.3	66.7	.21	.30	8	-.80	.87	11.0	8.6	13.9	373.5	2.02	65
D * 20:25 *	1740.8	1739.6	1652.0	265.6	.1	89	900	2200	527	464	8.6	8.6	59.3	66.7	.21	.29	9	-.80	.87	11.0	8.6	13.9	375.4	2.03	65
D * 20:25 *	1741.6	1740.6	1652.0	265.0	-4	91	1000	2195	527	462	8.6	8.6	59.4	66.7	.21	.29	11	-.80	.87	11.0	8.6	13.9	376.4	2.03	65
D * 20:26 *	1742.2	1741.7	1652.0	145.0	3.7	89	900	2195	522	464	8.6	8.6	59.3	66.6	.21	.28	14	.46	.87	11.0	8.6	13.9	377.5	2.04	65
D * 20:42 *	1743.0	1742.5	1671.0	7.7	15.3	90	800	2213	532	526	8.6	8.6	59.4	67.2	.21	.23	24	1.23	.87	11.0	8.6	13.9	378.4	2.15	66

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