	TIME	MEASURED DEPTHS	VERTCL	LAGGED	ROP	DRILLING PARAMETERS WOB	RPM	TORQ	PRESS	FLOW IN	PIT VOL	MUD PARAMETERS DENSITY IN	DENSITY OUT	TEMPERATURE IN	TEMPERATURE OUT	RESISTIVITY IN	RESISTIVITY OUT	GAS	OVERPRESSURE SURVEY DCS	NORM	PF	ECD	FRAC	ACCUMULATED ON BIT FEET	TIME	COST
	Hr:mn	feet	feet	feet	ft/h	klbs	rpm	ftlb	psi	gpm	bbls	ppg		degF		ohmm		unit			ppg	ppg	ppg	feet	DHr	$
D	21: 1	4101.0	4099.0	4032.0	146.6	2.0	97	900	1843	493	538	8.6	8.6	57.1	63.3	.20	.21	3	.57	1.06	8.6	8.6	14.1	1994.	22.13	54
D	21: 2	4103.0	4101.9	4032.0	93.1	.0	102	900	1847	493	534	8.6	8.6	57.1	63.3	.20	.21	3	.48	1.06	8.6	8.6	14.1	1996.	22.15	54
D	21: 5	4105.9	4103.9	4032.0	260.4	.0	98	900	1852	493	528	8.6	8.6	57.0	63.6	.20	.21	1	.42	1.06	8.6	8.6	14.1	1998.	22.20	54
D	21:10	4108.1	4106.5	4032.0	22.7	-1.7	101	900	1852	493	514	8.6	8.6	57.0	64.8	.20	.20	1	-.00	1.06	8.6	8.6	14.1	2000.	22.27	54
D	21:11	4111.1	4108.8	4032.0	125.6	13.0	104	1100	1852	493	512	8.6	8.6	56.9	65.0	.20	.21	1	.50	1.06	8.6	8.6	14.1	2002.	22.28	54
D	21:15	4113.3	4112.1	4032.0	19.8	13.2	95	1100	1847	493	508	8.6	8.6	56.9	65.0	.20	.21	1	1.11	1.06	8.6	8.6	14.1	2006.	22.35	54
D	21:22	4115.7	4114.0	4032.0	20.8	31.2	98	1300	1867	498	502	8.6	8.6	56.8	64.9	.20	.21	4	1.41	1.06	8.6	8.6	14.1	2008.	22.46	54
D	21:27	4118.0	4116.0	4032.0	21.8	27.8	101	1200	1828	493	506	8.6	8.6	56.8	64.8	.20	.21	4	1.43	1.06	8.6	8.6	14.1	2010.	22.55	54
D	21:42	4120.7	4119.0	4034.0	31.3	35.7	100	1400	1896	503	524	8.6	8.6	56.7	63.8	.20	.21	4	1.41	1.06	8.6	8.6	14.1	2013.	22.65	55
D	21:48	4123.0	4121.9	4054.0	26.3	37.7	97	1400	1884	500	520	8.6	8.6	56.6	64.6	.21	.21	4	1.49	1.06	8.6	8.6	14.1	2016.	22.75	55
D	21:51	4124.1	4123.0	4057.0	22.8	35.3	101	1300	1789	483	516	8.6	8.6	56.6	64.6	.21	.20	3	1.52	1.06	8.6	8.6	14.1	2017.	22.79	55
D	21:53	4125.0	4123.0	4064.0	22.8	35.1	99	1400	1794	488	512	8.6	8.6	56.6	64.6	.21	.20	4	1.52	1.06	8.6	8.6	14.1	2017.	22.83	55
D	21:56	4126.0	4123.9	4065.0	21.1	32.8	100	1300	1794	487	510	8.6	8.6	56.6	64.6	.21	.21	4	1.53	1.06	8.6	8.6	14.1	2018.	22.87	55
D	21:58	4127.0	4124.9	4065.0	23.2	33.6	101	1400	1789	483	508	8.6	8.6	56.6	64.5	.21	.21	4	1.49	1.06	8.6	8.6	14.1	2019.	22.91	55
D	22: 0	4128.0	4126.9	4076.0	28.0	36.7	99	1300	1799	498	502	8.6	8.6	56.6	64.5	.21	.21	4	1.47	1.06	8.6	8.6	14.1	2021.	22.95	55
D	22: 3	4129.1	4128.0	4085.0	24.5	33.6	100	1300	1799	483	500	8.6	8.6	56.6	64.5	.21	.21	4	1.49	1.06	8.6	8.6	14.1	2022.	22.99	55
D	22: 5	4130.0	4128.0	4091.0	24.5	33.4	100	1300	1799	483	494	8.6	8.6	56.6	64.4	.21	.21	4	1.49	1.06	8.6	8.6	14.1	2022.	23.03	55
D	22: 7	4131.1	4130.0	4093.0	33.0	37.7	100	1400	1809	488	496	8.6	8.6	56.6	64.3	.21	.21	5	1.42	1.06	8.6	8.6	14.1	2024.	23.07	55
D	22: 9	4132.0	4130.9	4097.0	27.7	36.1	103	1300	1809	483	496	8.6	8.6	56.6	64.2	.21	.21	4	1.47	1.06	8.6	8.6	14.1	2025.	23.10	55
D	22:11	4133.1	4132.0	4100.0	29.8	34.5	100	1300	1814	488	494	8.6	8.6	56.6	64.2	.21	.21	5	1.43	1.06	8.6	8.6	14.1	2026.	23.13	55
D	22:13	4134.1	4132.0	4100.0	29.8	35.9	97	1300	1809	487	494	8.6	8.6	56.6	64.2	.21	.21	4	1.43	1.06	8.6	8.6	14.1	2026.	23.16	55
D	22:15	4135.0	4133.0	4103.0	39.7	38.5	100	1400	1809	494	496	8.6	8.6	56.6	64.4	.21	.21	5	1.36	1.06	8.6	8.6	14.1	2027.	23.19	55
D	22:17	4136.1	4135.0	4105.0	28.7	37.3	98	1400	1814	488	494	8.6	8.6	56.6	64.5	.21	.21	5	1.47	1.06	8.6	8.6	14.1	2029.	23.23	55
D	22:19	4137.0	4135.9	4106.0	22.3	36.5	99	1400	1818	483	494	8.6	8.6	56.6	64.5	.21	.21	5	1.53	1.06	8.6	8.6	14.1	2030.	23.27	55
D	22:21	4138.1	4137.0	4109.0	35.3	38.5	99	1400	1814	483	490	8.6	8.6	56.6	64.4	.21	.21	5	1.40	1.06	8.6	8.6	14.1	2031.	23.30	55
D	22:23	4139.2	4137.0	4112.0	35.3	37.3	100	1400	1809	488	490	8.6	8.6	56.6	64.4	.21	.21	5	1.40	1.06	8.6	8.6	14.1	2031.	23.33	55
D	22:26	4140.1	4139.0	4113.0	25.1	38.3	100	1500	1818	492	488	8.6	8.6	56.6	64.4	.21	.21	5	1.50	1.06	8.6	8.6	14.1	2033.	23.37	55
D	22:28	4141.0	4139.9	4113.0	23.6	36.1	98	1400	1814	487	486	8.6	8.6	56.5	64.4	.21	.21	5	1.52	1.06	8.6	8.6	14.1	2034.	23.41	55
D	22:30	4142.1	4141.0	4114.0	31.2	36.3	100	1500	1818	488	486	8.6	8.6	56.5	64.3	.21	.21	5	1.43	1.06	8.6	8.6	14.1	2035.	23.44	55
D	22:33	4143.2	4142.1	4115.0	24.7	34.3	103	1500	1814	487	482	8.6	8.6	56.6	64.2	.21	.21	5	1.49	1.06	8.6	8.6	14.1	2036.	23.49	55
D	22:35	4144.1	4142.1	4116.0	24.7	36.7	97	1500	1818	488	480	8.6	8.6	56.5	64.2	.21	.21	5	1.49	1.06	8.6	8.6	14.1	2036.	23.52	55
D	22:37	4145.1	4143.0	4117.0	24.9	35.5	101	1600	1823	488	478	8.6	8.6	56.5	64.2	.21	.21	5	1.49	1.06	8.6	8.6	14.1	2037.	23.56	55
D	22:39	4146.1	4145.0	4118.0	35.1	33.6	99	1500	1828	493	474	8.6	8.6	56.5	64.2	.21	.21	5	1.38	1.06	8.6	8.6	14.1	2039.	23.59	56
D	22:40	4147.1	4146.0	4118.0	37.5	37.3	103	1600	1828	489	474	8.6	8.6	56.5	64.2	.21	.21	5	1.38	1.06	8.6	8.6	14.1	2040.	23.61	56
D	22:42	4148.1	4147.0	4118.0	35.2	35.5	98	1500	1818	486	472	8.6	8.6	56.5	64.2	.21	.21	5	1.40	1.06	8.6	8.6	14.1	2041.	23.64	56
D	22:50	4149.5	4148.4	4119.0	87.7	-3.1	97	900	1799	483	480	8.6	8.6	56.5	64.1	.21	.22	5	1.03	1.06	8.6	8.6	14.1	2042.	23.66	56
D	22:52	4150.1	4149.0	4120.0	14.3	36.9	101	1600	1814	489	474	8.6	8.6	56.4	63.7	.21	.21	4	1.67	1.06	8.6	8.6	14.1	2043.	23.69	56
D	22:54	4151.1	4150.0	4121.0	29.5	35.5	99	1600	1818	487	488	8.6	8.6	56.5	63.4	.21	.21	5	1.45	1.06	8.6	8.6	14.1	2044.	23.73	56
D	22:56	4152.1	4150.0	4122.0	29.5	36.3	104	1700	1814	484	466	8.6	8.6	56.4	63.5	.21	.21	5	1.45	1.06	8.6	8.6	14.1	2044.	23.76	56