

F#	TIME	DEPTH m	ROP m/hr	TORQUE		RPM AVG	WOB AVG	PUMP PRES	RTRNS DEPTH	MW lb/gal		FLOW/MIN		TEMP (C)		PVT	—THIS BIT—			—COST—		EST TW	DKC	NK	NKB	ECD	EST	
				AVG	MAX					IN	OUT	IN	OUT	IN	OUT		REVS	m	hrs	INST	RUN						FM	PR
200	0352	461.18	18.8	1.75	1.75	98	6.2	2410	448.94	8.97	8.74	833	0	12.8	17.6	242	6400	43.0	1.3	298	250	.64	.84	.83	.92	9.19	8.92	D
201	0352	461.47	36.6	1.44	1.44	98	8.1	2410	449.17	8.97	8.74	832	0	12.8	17.6	241	6437	43.3	1.3	124	249	.65	.76	.75	.92	9.19	8.92	D
202	0352	461.82	42.3	1.70	1.70	98	8.4	2410	449.39	8.97	8.74	833	0	12.8	17.6	241	6485	43.6	1.3	147	249	.65	.74	.72	.92	9.19	8.92	D
203	0353	462.08	20.1	1.62	1.62	98	7.4	2420	449.81	8.95	8.70	833	0	12.8	17.4	240	6543	43.9	1.3	162	248	.66	.86	.85	.92	9.19	8.92	D
204	0354	462.44	35.0	1.40	1.40	98	7.2	2410	450.00	8.96	8.61	833	0	12.8	17.3	241	6603	44.2	1.3	264	248	.66	.75	.74	.92	9.19	8.92	D
205	0355	462.70	15.7	1.34	1.34	99	6.9	2420	450.37	8.98	8.57	833	0	12.8	17.1	238	6698	44.5	1.3	265	248	.67	.90	.88	.92	9.19	8.92	D
206	0355	462.99	20.7	1.49	1.49	98	6.5	2420	450.89	8.97	8.77	833	0	12.8	16.6	238	6780	44.7	1.3	319	248	.68	.84	.82	.92	9.19	8.93	D
207	0356	463.30	26.5	1.79	1.79	98	7.7	2420	451.23	8.96	8.82	833	0	12.8	16.4	237	6847	45.1	1.3	184	247	.68	.82	.80	.92	9.18	8.93	D
208	0357	463.61	23.4	1.42	1.42	99	6.7	2420	451.56	8.97	8.80	833	0	12.8	16.5	237	6923	45.4	1.4	214	247	.69	.82	.80	.92	9.19	8.94	D
209	0358	463.93	23.1	1.45	1.45	98	8.5	2420	452.04	8.95	8.84	833	0	12.8	16.5	236	6990	45.7	1.4	174	246	.70	.86	.84	.92	9.19	8.94	D
210	0358	464.22	32.4	1.54	1.54	98	7.4	2420	452.32	8.95	8.84	833	0	12.8	16.5	237	7032	45.9	1.4	125	246	.70	.77	.75	.92	9.19	8.94	D
211	0359	464.54	17.3	1.39	1.39	98	5.8	2420	452.83	8.95	8.82	834	0	12.8	16.4	235	7132	46.3	1.4	311	246	.71	.85	.84	.92	9.18	8.95	D
212	0610	466.79	135	1.03	1.03	90	5.1	2400	458.95	8.85	9.00	715	0	12.7	12.7	244	7350	48.6	1.5	14	240	.73	.45	.44	.92	9.11	8.95	FD
213	0610	467.28	119	1.09	1.09	95	4.2	2400	458.97	8.85	9.00	767	0	12.7	12.7	244	7374	49.1	1.5	51	239	.73	.46	.45	.92	9.13	8.95	D
214	0610	467.61	175	1.04	1.04	93	5.5	2410	458.98	8.85	9.00	778	0	12.7	12.7	243	7383	49.4	1.5	25	237	.73	.42	.40	.92	9.13	8.95	D
215	0610	467.90	97.6	1.09	1.09	95	6.1	2400	459.00	8.85	9.00	796	0	12.7	12.7	242	7397	49.6	1.5	40	237	.73	.54	.52	.92	9.13	8.95	D
216	0610	468.19	41.2	1.26	1.26	91	9.8	2400	459.04	8.85	9.00	817	0	12.7	12.7	238	7433	49.9	1.5	111	236	.74	.76	.74	.92	9.15	8.96	D
217	0611	468.48	42.7	1.16	1.16	90	11.3	2400	459.08	8.85	9.00	823	0	12.7	12.8	238	7469	50.3	1.5	107	234	.74	.83	.82	.92	9.16	8.97	D
218	0611	468.80	28.7	1.27	1.27	91	10.0	2400	459.15	8.85	9.00	826	0	12.7	12.8	233	7520	50.6	1.5	189	234	.74	.83	.82	.92	9.16	8.97	D
219	0612	469.13	35.1	1.66	1.66	89	11.0	2400	459.25	8.82	8.99	828	0	12.7	13.2	228	7560	50.9	1.5	130	233	.75	.80	.79	.92	9.16	8.97	D
220	0612	469.42	29.1	1.31	1.31	87	9.8	2400	459.40	8.82	8.99	828	0	12.7	13.2	227	7611	51.2	1.5	172	233	.75	.82	.80	.92	9.17	8.97	D
221	0613	469.71	23.4	1.36	1.36	88	9.1	2400	459.52	8.82	9.01	827	0	12.7	14.0	221	7664	51.5	1.5	179	232	.76	.85	.83	.92	9.17	8.98	D
222	0614	470.00	27.1	1.59	1.59	88	8.7	2400	459.62	8.85	9.03	828	0	12.9	15.1	217	7719	51.8	1.5	174	232	.76	.81	.80	.92	9.17	8.98	D
223	0614	470.32	183	1.47	1.47	87	11.1	2410	459.63	8.85	9.03	828	0	12.9	15.1	216	7725	52.1	1.5	174	232	.76	.45	.44	.92	9.17	8.98	D
224	0614	470.62	21.8	1.57	1.57	87	9.5	2390	459.77	8.86	9.01	829	0	13.0	15.7	210	7795	52.4	1.5	217	231	.77	.87	.85	.92	9.17	8.98	D
225	0615	470.92	43.2	1.50	1.50	87	10.3	2400	459.85	8.86	9.01	829	0	13.0	15.7	206	7828	52.7	1.5	108	230	.77	.74	.73	.92	9.18	8.98	D
226	0616	471.44	42.0	1.36	1.36	87	8.9	2400	460.06	8.82	9.03	829	0	13.0	16.1	202	7891	53.0	1.6	210	230	.77	.73	.71	.92	9.17	8.98	D
227	0617	471.88	24.0	1.47	1.47	86	9.3	2400	460.35	8.84	9.01	829	0	13.1	16.4	195	7979	53.6	1.6	267	229	.78	.84	.83	.92	9.17	8.99	D
228	0617	472.14	56.5	1.56	1.56	87	11.0	2410	460.40	8.83	8.93	829	0	13.0	16.5	193	8001	53.9	1.6	80	228	.79	.70	.68	.92	9.17	8.98	D
229	0617	472.44	31.9	1.61	1.61	87	10.4	2400	460.47	8.83	8.93	830	0	13.0	16.5	189	8051	54.2	1.6	153	228	.79	.81	.79	.92	9.18	8.99	D
230	0618	472.78	37.4	1.35	1.35	87	9.8	2410	460.55	8.83	8.98	830	0	13.0	16.6	186	8097	54.6	1.6	137	227	.79	.77	.75	.92	9.18	8.99	D
231	0618	473.06	33.6	1.59	1.59	88	10.7	2400	460.64	8.83	8.98	830	0	13.0	16.6	187	8139	54.9	1.6	176	227	.80	.80	.78	.92	9.18	9.00	D
232	0619	473.36	82.0	1.43	1.43	87	9.5	2410	460.67	8.83	9.02	830	0	13.0	16.7	187	8157	55.2	1.6	59	226	.80	.60	.58	.92	9.18	8.99	D
233	0619	473.66	30.0	1.48	1.48	88	10.3	2410	460.79	8.83	9.02	831	0	13.0	16.7	187	8209	55.4	1.6	160	226	.80	.82	.80	.92	9.18	9.00	D
234	0620	474.01	42.9	1.54	1.54	88	10.3	2410	460.91	8.81	9.01	831	0	13.0	16.8	186	8248	55.8	1.6	117	225	.80	.75	.73	.92	9.19	8.99	D
235	0620	474.28	46.4	1.58	1.58	88	11.5	2410	460.97	8.81	9.01	831	0	13.0	16.8	187	8272	56.1	1.6	91	224	.81	.75	.73	.92	9.19	9.00	D
236	0621	474.58	28.4	1.43	1.43	90	9.5	2410	461.11	8.82	9.03	830	0	13.0	16.9	187	8328	56.4	1.6	170	224	.81	.82	.80	.92	9.19	9.00	D
237	0634	475.02	36.0	.34	.34	87	8.5	2390	461.51	8.84	8.93	348	0	12.4	16.7	270	8355	56.6	1.6	105	223	.82	.76	.74	.92	9.12	8.70	D
238	0634	475.50	99.5	1.04	1.04	53	5.0	2430	461.51	8.84	8.93	557	0	12.4	16.7	267	8368	57.3	1.6	154	221	.82	.41	.40	.92	9.13	8.70	D
239	0634	475.84	165	1.04	1.04	95	3.0	2430	461.51	8.84	8.93	600	0	12.4	16.7	265	8379	57.4	1.6	143	221	.82	.38	.37	.92	9.13	8.70	D
240	0634	476.42	152	1.01	1.01	95	3.5	2450	461.52	8.84	8.93	698	0	12.4	16.7	263	8396	58.2	1.6	35	219	.82	.41	.39	.92	9.15	8.70	D
241	0634	476.72	105	1.06	1.06	95	4.7	2510	461.52	8.84	8.93	722	0	12.4	16.7	263	8410	58.4	1.6	46	218	.82	.50	.48	.92	9.15	8.70	D
242	0635	477.03	50.6	1.19	1.19	94	7.9	2510	461.52	8.82	8.86	782	0	12.4	16.5	262	8436	58.8	1.6	67	217	.82	.69	.67	.92	9.17	8.70	D
243	0635	477.33	27.6	1.50	1.50	89	9.9	2500	461.60	8.83	8.83	819	0	12.4	16.4	258	8492	59.1	1.7	167	216	.83	.83	.81	.92	9.18	8.70	D
244	0636	477.62	29.1	1.45	1.45	87	8.8	2500	463.24	8.83	8.83	827	0	12.4	16.4	256	8534	59.4	1.7	251	216	.83	.80	.78	.92	9.15	8.70	D
245	0637	478.24	24.5	1.55	1.55	90	8.5	2500	465.39	8.81	8.79	829	0	12.5	16.4	253	8695	59.0	1.7	200	216	.84	.88	.88	.92	9.12	8.70	B
247	0638	478.88	67.7	1.50	1.50	90	11.4	2490	465.72	8.84	8.78	820	0	12.5	16.4	251	8700	60.6	1.7	75	214	.84	.68	.66	.92	9.12	8.70	D
248	0638	479.17	36.5	1.63	1.63	90	8.8	2490	466.40	8.84	8.78	825	0	12.5	16.4	250												