

#	TIME	DEPTH	ROP	TORQUE		RPM	WOB	PUMP	RTRNS	MW lb/gal		FLOW/MIN		TEMP (C)		PVT	THIS BIT			COST		EST	DKC	NK	NXB	ECD	EST	
				AVG	MAX					IN	OUT	IN	OUT	IN	OUT		REVS	m	hrs	INST	RUN							TW
2	0753	1148.8	201	1.81	1.81	102	13.9	2350	1127.7	8.46	9.01	758	0	28.8	34.9	444	86723	731	15.3	25	115	5.64	.51	.35	1.17	8.84	8.70	D
3	0753	1149.4	192	1.78	1.78	101	13.6	2340	1127.8	8.46	9.01	758	0	28.8	34.9	444	86742	731	15.3	21	115	5.64	.52	.35	1.17	8.84	8.70	D
4	0757	1150.3	130	1.68	1.68	102	15.9	2350	1130.2	8.37	9.08	758	0	28.6	34.7	438	86752	732	15.3	46	115	5.64	.64	.47	1.17	8.74	8.70	D†
5	0803	1151.6	107	1.58	1.58	95	13.0	1260	1131.4	8.33	8.98	552	0	28.6	34.8	465	86771	733	15.3	66	114	5.64	.63	.47	1.17	8.78	8.70	D
6	0804	1151.9	55.2	1.42	1.42	94	12.2	1260	1131.5	8.33	8.98	550	0	28.6	34.8	465	86801	734	15.3	92	114	5.64	.77	.61	1.17	8.78	8.70	D
7	0804	1152.2	35.1	1.50	1.50	95	12.5	1260	1131.7	8.33	8.98	549	0	28.6	34.8	463	86844	734	15.3	128	114	5.65	.88	.72	1.17	8.78	8.70	D
8	0804	1152.5	42.9	1.38	1.38	97	9.9	1270	1131.8	8.33	8.98	548	0	28.6	34.8	464	86879	734	15.4	100	114	5.65	.79	.64	1.17	8.78	8.70	D
9	0805	1152.8	61.7	1.24	1.24	97	7.2	1270	1131.9	8.33	8.98	548	0	28.6	34.8	463	86907	735	15.4	116	114	5.65	.67	.53	1.17	8.79	8.70	D
0	0805	1153.1	100	1.42	1.42	99	8.7	1270	1132.0	8.33	8.98	548	0	28.6	34.8	463	86926	735	15.4	44	114	5.65	.60	.45	1.17	8.79	8.70	D
1	0806	1153.4	30.1	1.38	1.38	95	10.6	1260	1132.2	8.33	8.98	548	0	28.6	34.8	462	86982	735	15.4	144	114	5.65	.88	.73	1.17	8.79	8.70	D
2	0806	1154.0	45.8	1.63	1.63	93	15.1	1260	1132.5	8.33	8.98	548	0	28.6	34.8	461	87032	736	15.4	56	114	5.65	.85	.69	1.18	8.79	8.70	D
3	0806	1154.3	105	1.45	1.45	95	11.5	1270	1132.5	8.33	8.98	548	0	28.6	34.8	461	87051	736	15.4	62	114	5.65	.62	.46	1.18	8.79	8.70	D
4	0807	1154.6	22.2	1.42	1.42	96	9.8	1260	1132.8	8.30	8.92	548	0	28.8	34.7	459	87108	736	15.4	167	114	5.66	.93	.78	1.18	8.78	8.70	D
5	0808	1154.9	24.4	1.61	1.61	95	8.4	1260	1133.2	8.30	8.92	548	0	28.8	34.7	460	87178	737	15.4	236	114	5.66	.88	.74	1.18	8.78	8.70	D
6	0808	1155.2	19.5	1.91	1.91	90	13.5	1260	1133.7	8.30	8.92	550	0	28.8	34.7	459	87254	737	15.4	216	114	5.66	1.02	.86	1.18	8.78	8.70	D
7	0809	1155.6	88.3	1.69	1.69	89	16.3	1260	1133.8	8.30	8.92	559	0	28.8	34.7	458	87276	737	15.4	239	114	5.66	.70	.53	1.18	8.78	8.70	D
8	0809	1156.1	82.4	1.45	1.45	92	11.6	1260	1134.0	8.30	8.92	563	0	28.8	34.7	458	87309	738	15.4	38	114	5.67	.67	.51	1.18	8.78	8.70	D
9	0809	1156.4	105	1.41	1.41	96	7.5	1260	1134.1	8.30	8.92	561	0	28.8	34.7	458	87326	738	15.4	47	114	5.67	.57	.43	1.18	8.78	8.70	D
20	0809	1156.8	95.8	1.43	1.43	95	7.9	1260	1134.2	8.30	8.92	557	0	28.8	34.7	458	87343	738	15.4	64	114	5.67	.59	.45	1.18	8.78	8.70	D
21	0810	1157.4	105	1.24	1.24	95	4.5	1270	1134.3	8.30	8.92	554	0	28.8	34.7	457	87365	739	15.4	52	114	5.67	.51	.38	1.18	8.79	8.70	D
22	0811	1158.1	805	1.08	1.08	95	3.7	2190	1134.7	8.29	8.90	585	0	28.7	34.8	457	87370	739	15.4	12	114	5.67	.14	.01	1.18	8.77	8.70	D†
	0812	1158.5	17.4	1.29	1.29	94	7.1	2430	1135.2	8.29	8.90	840	0	28.7	34.8	450	87485	740	15.5	351	114	5.67	.91	.77	1.18	8.79	8.70	D
	0813	1158.9	19.9	1.58	1.58	89	14.8	2420	1135.6	8.27	8.86	899	0	28.6	34.8	445	87594	741	15.5	297	114	5.68	1.03	.87	1.18	8.78	8.70	D
25	0814	1159.2	24.5	1.55	1.55	90	11.5	2430	1135.6	8.27	8.86	969	0	28.6	34.8	442	87658	741	15.5	208	114	5.68	.93	.77	1.18	8.79	8.70	D
26	0814	1159.5	245	1.33	1.33	90	9.0	2430	1135.6	8.27	8.86	985	0	28.6	34.8	443	87664	741	15.5	149	114	5.68	.40	.25	1.18	8.79	8.70	D
32	0820	1159.8	44.5	.87	.87	90	9.7	2370	1136.6	8.24	8.83	685	0	28.4	34.9	456	87698	741	15.5	46	114	5.68	.77	.62	1.18	8.76	8.70	DX
	0820	1160.4	184	1.09	1.09	102	3.8	2360	1136.7	8.24	8.88	733	0	28.4	34.9	453	87711	742	15.5	88	114	5.68	.41	.28	1.18	8.77	8.70	D†
	0821	1160.8	210	1.09	1.09	98	6.9	2350	1136.8	8.24	8.88	740	0	28.4	34.9	452	87723	742	15.5	44	114	5.68	.43	.29	1.18	8.77	8.70	D
	0821	1161.3	90.7	1.26	1.26	97	9.0	2360	1137.0	8.24	8.88	758	0	28.4	34.9	451	87749	743	15.5	59	114	5.68	.62	.48	1.18	8.77	8.70	D
36	0821	1161.6	192	1.12	1.12	95	10.4	2360	1137.1	8.24	8.88	760	0	28.4	34.9	450	87758	743	15.5	58	114	5.68	.48	.32	1.18	8.77	8.70	D
37	0821	1162.0	96.2	1.26	1.26	95	11.2	2350	1137.2	8.24	8.88	764	0	28.4	34.9	450	87777	744	15.5	50	114	5.68	.64	.48	1.18	8.77	8.70	D
38	0821	1162.2	94.7	1.22	1.22	93	13.1	2350	1137.3	8.24	8.88	766	0	28.4	34.9	448	87792	744	15.5	70	114	5.69	.66	.50	1.18	8.78	8.70	D
39	0821	1163.0	249	1.20	1.20	97	7.4	2360	1137.5	8.24	8.88	767	0	28.4	34.9	447	87809	745	15.5	11	114	5.69	.39	.25	1.18	8.78	8.70	D
40	0822	1163.4	58.8	.97	.97	98	5.0	2360	1137.7	8.24	8.88	769	0	28.4	34.9	444	87850	745	15.5	46	114	5.69	.64	.50	1.18	8.78	8.70	D
41	0822	1164.1	153	1.08	1.08	99	5.2	2350	1137.9	8.24	8.88	769	0	28.4	34.9	443	87870	746	15.5	33	114	5.69	.46	.33	1.18	8.79	8.70	D
42	0822	1164.4	105	1.06	1.06	98	6.3	2360	1138.0	8.24	8.88	769	0	28.4	34.9	443	87885	746	15.5	42	114	5.69	.55	.41	1.18	8.79	8.70	D
43	0822	1164.7	232	1.01	1.01	98	5.8	2360	1138.0	8.24	8.88	769	0	28.4	34.9	443	87893	746	15.5	21	114	5.69	.39	.26	1.18	8.79	8.70	D
44	0823	1165.3	126	1.09	1.09	99	8.2	2370	1138.2	8.24	8.88	769	0	28.4	34.9	442	87918	747	15.5	44	114	5.69	.55	.40	1.18	8.80	8.70	D
45	0823	1165.9	94.3	1.21	1.21	97	11.6	2370	1138.5	8.24	8.88	769	0	28.4	34.9	441	87949	748	15.5	51	114	5.69	.65	.49	1.18	8.80	8.70	D
46	0823	1166.3	129	1.20	1.20	97	13.1	2370	1138.6	8.27	9.01	768	0	28.4	34.7	441	87963	748	15.6	52	114	5.69	.60	.44	1.18	8.80	8.70	D
47	0823	1166.8	132	1.27	1.27	96	13.2	2370	1138.6	8.27	9.01	768	0	28.4	34.7	440	87982	749	15.6	41	114	5.69	.59	.43	1.18	8.80	8.70	D
48	0823	1167.1	119	1.55	1.55	97	14.6	2360	1138.7	8.27	9.01	769	0	28.4	34.7	439	87995	749	15.6	37	114	5.69	.63	.46	1.18	8.81	8.70	D
49	0824	1167.4	41.3	1.38	1.38	94	16.7	2350	1139.0	8.27	9.01	769	0	28.4	34.7	439	88039	749	15.6	129	114	5.70	.90	.73	1.18	8.81	8.70	D
50	0824	1167.7	41.2	1.12	1.12	93	17.0	2340	1139.2	8.27	9.01	768	0	28.4	34.7	438	88073	749	15.6	124	114	5.70	.90	.73	1.18	8.81	8.70	D
51	0824	1168.0	62.0	1.22	1.22	94	13.5	2350	1139.4	8.27	9.01	767	0	28.4	34.7	438	88100	750	15.6	82	114	5.70	.76	.60	1.18	8.81	8.70	D
52	0825	1168.3	60.1	1.00	1.00	95	7.0	2320	1139.5	8.27	9.01	767	0	28.4	34.7	437	88119	750	15.6	73	114	5.70	.67	.53	1.19	8.81	8.70	D
	0832	1168.9	61.8	1.24	1.24	104	9.2	2360	1140.7	8.27	8.90	727	0	28.2	34.7	465	88160	751	15.6	57	114	5.70	.72	.57	1.19	8.80	8.70	D
	0833	1169.2	138	1.31	1.31	104	12.8	2360	1140.8	8.27																		