

F#	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	FM
19	1936	859.23	106	1.85	1.85	98	25.4	2440	846.54	8.83	8.77	840	0	20.1	23.1	517	50010	441	9.1	57	117	3.60	.76	.64	1.02	8.81	8.70	D
20	1936	859.54	48.3	1.88	1.88	97	25.0	2430	846.85	8.83	8.77	841	0	20.1	23.1	517	50048	441	9.1	86	117	3.60	.96	.84	1.02	8.81	8.70	D
21	1937	859.85	55.8	1.72	1.72	98	24.2	2440	847.13	8.82	8.76	841	0	20.3	23.3	516	50076	442	9.1	89	117	3.60	.92	.80	1.02	8.81	8.70	D
22	1937	860.17	52.5	1.73	1.73	97	23.5	2440	847.40	8.82	8.76	840	0	20.3	23.3	517	50110	442	9.1	91	117	3.60	.92	.80	1.02	8.83	8.70	D
23	1938	860.76	47.7	1.74	1.74	98	23.7	2430	847.88	8.82	8.76	839	0	20.3	23.3	515	50167	443	9.1	124	117	3.60	.95	.83	1.02	8.83	8.70	D
24	1938	861.07	50.3	1.80	1.80	98	23.1	2430	848.09	8.82	8.76	839	0	20.3	23.3	515	50196	443	9.1	79	117	3.61	.93	.81	1.02	8.83	8.70	D
25	1938	861.37	105	1.78	1.78	98	22.5	2430	848.23	8.83	8.76	839	0	20.4	23.5	514	50212	443	9.1	44	117	3.61	.73	.61	1.02	8.86	8.70	D
26	1939	861.75	39.0	1.70	1.70	98	23.9	2440	848.70	8.83	8.76	839	0	20.4	23.5	515	50269	443	9.2	157	117	3.61	1.00	.88	1.02	8.86	8.70	D
27	1939	862.02	36.4	1.65	1.65	98	21.9	2390	849.04	8.83	8.76	840	0	20.4	23.5	515	50310	444	9.2	125	117	3.61	.99	.88	1.02	8.86	8.70	D
28	1939	862.31	63.2	1.57	1.57	98	20.2	2430	849.24	8.83	8.76	841	0	20.4	23.5	514	50335	444	9.2	74	117	3.62	.84	.72	1.02	8.86	8.70	D
29	1940	862.60	38.0	1.56	1.56	98	18.4	2440	849.57	8.84	8.79	840	0	20.5	23.7	515	50375	444	9.2	124	117	3.62	.94	.83	1.02	8.89	8.70	D
30	1940	862.95	82.9	1.70	1.70	98	20.3	2450	849.70	8.84	8.79	840	0	20.5	23.7	514	50398	445	9.2	58	117	3.62	.77	.66	1.02	8.89	8.70	D
31	1941	863.51	51.2	1.77	1.77	98	22.1	2440	850.01	8.84	8.79	840	0	20.5	23.7	514	50455	445	9.2	89	117	3.62	.91	.79	1.02	8.89	8.70	D
32	1941	863.86	60.7	1.78	1.78	98	24.5	2430	850.18	8.84	8.79	840	0	20.5	23.7	514	50488	446	9.2	73	117	3.63	.89	.77	1.02	8.89	8.70	D
33	1949	865.34	61.4	1.37	1.37	101	12.8	2390	850.89	8.78	8.93	840	0	20.8	23.9	525	50531	447	9.2	138	116	3.63	.75	.65	1.02	8.98	8.70	D
34	1949	865.66	52.2	1.54	1.54	97	14.9	2410	851.19	8.78	8.93	840	0	20.8	23.9	522	50565	447	9.2	80	116	3.63	.81	.70	1.02	8.98	8.70	D
35	1950	865.95	47.4	1.62	1.62	95	19.9	2390	851.49	8.78	8.93	840	0	20.8	23.9	521	50597	448	9.2	102	116	3.63	.89	.78	1.02	8.98	8.70	D
36	1950	866.27	87.8	1.72	1.72	98	22.4	2400	851.71	8.78	8.93	839	0	20.8	23.9	519	50616	448	9.2	65	116	3.63	.76	.65	1.03	8.98	8.70	D
37	1950	866.59	51.0	1.73	1.73	96	23.7	2390	852.01	8.78	8.93	838	0	20.8	23.9	519	50649	448	9.2	94	116	3.63	.91	.79	1.03	8.98	8.70	D
38	1950	866.89	71.6	1.70	1.70	95	24.7	2390	852.24	8.78	8.93	838	0	20.8	23.9	517	50672	449	9.2	92	116	3.64	.83	.71	1.03	8.98	8.70	D
39	1951	867.18	37.8	1.86	1.86	97	26.5	2400	852.61	8.77	8.82	838	0	20.9	23.7	517	50713	449	9.2	112	116	3.64	1.02	.90	1.03	8.98	8.70	D
40	1951	867.50	75.3	1.81	1.81	95	26.9	2400	852.82	8.77	8.82	838	0	20.9	23.7	517	50735	449	9.2	81	116	3.64	.83	.71	1.03	9.01	8.70	D
41	1951	867.77	52.7	1.80	1.80	96	27.3	2390	853.03	8.77	8.82	839	0	20.9	23.7	516	50761	450	9.2	95	116	3.64	.93	.81	1.03	9.01	8.70	D
42	1951	868.12	81.1	1.78	1.78	95	28.1	2380	853.17	8.77	8.82	839	0	20.9	23.7	515	50782	450	9.2	77	116	3.64	.82	.70	1.03	9.01	8.70	D
43	1952	868.38	43.7	1.84	1.84	97	26.7	2390	853.45	8.77	8.82	839	0	20.9	23.7	515	50809	450	9.2	87	116	3.64	.98	.86	1.03	9.01	8.70	D
44	1952	868.70	55.0	1.69	1.69	95	24.6	2400	853.73	8.77	8.82	840	0	20.9	23.7	514	50842	450	9.3	105	116	3.65	.89	.78	1.03	9.01	8.70	D
45	1952	869.00	43.4	1.61	1.61	95	22.7	2390	854.07	8.75	8.69	839	0	21.0	23.7	513	50879	451	9.3	89	116	3.65	.94	.82	1.03	9.01	8.70	D
46	1953	869.32	52.7	1.64	1.64	96	22.1	2370	854.30	8.75	8.69	839	0	21.0	23.7	512	50911	451	9.3	116	116	3.65	.88	.77	1.03	9.03	8.70	D
47	1953	869.61	41.3	1.75	1.75	96	23.4	2390	854.53	8.75	8.69	840	0	21.0	23.7	513	50948	451	9.3	109	116	3.65	.96	.84	1.03	9.04	8.70	D
48	1953	869.90	77.9	1.69	1.69	96	24.9	2380	854.70	8.75	8.69	839	0	21.0	23.7	513	50968	452	9.3	109	116	3.66	.81	.69	1.03	9.04	8.70	D
49	1954	870.23	52.7	1.68	1.68	95	24.1	2380	854.93	8.75	8.69	839	0	21.0	23.7	512	51000	452	9.3	84	116	3.66	.90	.78	1.03	9.04	8.70	D
50	1954	870.52	50.4	1.76	1.76	96	24.9	2380	855.15	8.75	8.69	838	0	21.0	23.7	512	51032	452	9.3	91	116	3.66	.92	.80	1.03	9.04	8.70	D
51	1954	870.84	65.9	1.76	1.76	95	25.1	2380	855.37	8.77	8.75	838	0	21.1	23.8	510	51058	453	9.3	91	116	3.66	.85	.73	1.03	9.06	8.70	D
52	1955	871.16	47.9	1.83	1.83	96	26.5	2380	855.71	8.77	8.75	838	0	21.1	23.8	510	51093	453	9.3	101	116	3.66	.95	.83	1.03	9.05	8.70	D
53	1955	871.43	81.9	1.65	1.65	95	27.2	2390	855.96	8.77	8.75	839	0	21.1	23.8	508	51110	453	9.3	86	116	3.67	.81	.69	1.03	9.05	8.70	D
54	1956	871.75	22.0	1.75	1.75	97	27.5	2380	856.72	8.77	8.75	839	0	21.1	23.8	509	51189	454	9.3	187	116	3.67	1.17	1.05	1.03	9.05	8.70	D
55	1956	872.04	79.4	1.72	1.72	98	25.9	2380	856.97	8.77	8.75	840	0	21.1	23.8	509	51210	454	9.3	112	116	3.67	.81	.69	1.03	9.05	8.70	D
56	1956	872.36	41.6	1.81	1.81	98	25.7	2370	857.36	8.77	8.80	840	0	21.2	23.9	508	51253	454	9.3	115	116	3.68	.98	.86	1.03	9.07	8.70	D
57	1957	872.65	45.7	1.77	1.77	98	25.4	2380	857.64	8.77	8.80	841	0	21.2	23.9	508	51285	454	9.3	92	116	3.68	.95	.83	1.03	9.07	8.70	D
58	1957	872.98	72.2	1.75	1.75	96	25.1	2400	857.85	8.77	8.80	841	0	21.2	23.9	511	51311	455	9.3	77	116	3.68	.83	.71	1.03	9.08	8.70	D
59	1957	873.27	72.9	1.77	1.77	98	26.0	2390	858.06	8.77	8.80	841	0	21.2	23.9	510	51332	455	9.3	78	116	3.68	.84	.72	1.03	9.08	8.70	D
60	2003	873.66	15.3	.93	.93	96	27.5	2410	859.73	8.76	8.82	830	0	21.3	24.0	526	51366	455	9.3	128	116	3.68	1.26	1.13	1.03	9.09	8.70	D
62	2004	874.47	30.6	1.48	1.48	96	15.3	2400	859.73	8.76	8.82	843	0	21.3	24.0	520	51414	456	9.4	217	116	3.68	.92	.82	1.03	9.10	8.70	D
63	2004	875.10	45.6	1.62	1.62	95	20.5	2380	859.83	8.76	8.77	843	0	21.4	24.0	517	51465	457	9.4	103	116	3.69	.89	.78	1.03	9.10	8.70	D
64	2005	875.39	72.9	1.66	1.66	98	23.4	2400	859.87	8.76	8.77	843	0	21.4	24.0	517	51486	457	9.4	68	116	3.69	.81	.69	1.03	9.10	8.70	D
65	2005	875.70	61.6	1.69	1.69	97	24.9	2390	859.96	8.76	8.77	842	0	21.4	24.0	515	51513	457	9.4	90	116	3.69	.86	.75	1.03	9.10	8.70	D
66	2005	876.03	44.4	1.70	1.70	97	24.2	2370	860.06	8.76	8.77	843	0	21.4	24.0	515	51555	458	9.4	114	116	3.69	.94	.82	1.03			