

#	TIME	DEPTH	ROP	TORQUE		RPM	WOB	PUMP	RTNRS		MW lb/gal		FLOW/MIN		TEMP (C)		PVT	THIS BIT			COST		EST	DKC	NX	NKB	ECD	EST	
				AVG	MAX				AVG	AVG	PRE	DEPTH	IN	OUT	IN	OUT		IN	OUT	REVS	m	hrs						INST	RUN
03	0344	1292.8	6.51	1.41	1.41	89	3.9	2790	1292.5	9.28	9.70	733	0	31.5	35.8	481	290	.29	.1	3164	27821	.00	.93	.93	1.53	9.28	8.70	D	
04	0046	1293.0	4.36	1.59	1.59	89	3.7	2780	1292.5	9.27	9.71	733	0	31.5	35.7	477	511	.47	.1	1468	17773	.00	.99	.99	1.53	9.28	8.70	D	
01	0048	1293.3	8.04	1.58	1.58	93	7.9	2800	1292.5	9.29	9.76	735	0	31.5	35.6	476	694	.73	.1	1210	12086	.00	1.03	1.03	1.53	9.29	8.70	D	
02	0051	1293.6	9.36	1.69	1.69	93	11.8	2800	1292.5	9.30	9.75	734	0	31.6	35.6	474	915	1.02	.2	624	8526	.00	1.09	1.09	1.53	9.29	8.70	D	
03	0052	1293.9	11.0	1.70	1.70	100	11.8	2820	1292.5	9.34	9.77	736	0	31.6	35.5	473	1040	1.32	.2	426	6660	.00	1.07	1.07	1.53	9.30	8.70	D	
04	0054	1294.2	8.65	1.80	1.80	101	13.4	2810	1292.5	9.31	9.58	735	0	31.6	35.3	473	1252	1.65	.2	514	5462	.00	1.16	1.16	1.53	9.30	8.70	D	
05	0056	1294.5	8.28	1.75	1.75	101	12.8	2810	1292.5	9.35	9.68	735	0	31.6	35.2	471	1476	1.92	.2	826	4695	.00	1.15	1.15	1.53	9.31	8.70	D	
06	0059	1294.8	8.72	1.58	1.58	101	13.3	2810	1292.5	9.36	9.94	736	0	31.7	35.3	469	1719	2.25	.3	786	4138	.00	1.15	1.15	1.53	9.32	8.70	D	
07	0101	1295.1	6.06	1.73	1.73	101	13.5	2810	1292.5	9.38	9.98	736	0	31.7	35.5	457	1982	2.55	.3	2280	3692	.00	1.23	1.23	1.53	9.33	8.70	D	
08	0103	1295.4	7.07	1.67	1.67	101	13.4	2820	1292.5	9.42	10.0	736	0	31.6	35.9	448	2184	2.86	.4	785	3429	.00	1.20	1.20	1.53	9.34	8.70	D	
09	0105	1295.7	13.2	1.65	1.65	101	12.7	2840	1292.5	9.42	10.0	738	0	31.6	35.9	439	2323	3.17	.4	367	3060	.00	1.05	1.05	1.53	9.35	8.70	D	
10	0106	1296.0	9.38	1.65	1.65	101	14.5	2800	1292.5	9.42	9.94	736	0	31.4	36.2	406	2519	3.47	.4	637	2839	.00	1.15	1.15	1.53	9.36	8.70	D	
11	0108	1296.3	9.15	1.78	1.78	101	14.9	2790	1292.5	9.42	9.86	733	0	31.0	36.4	403	2719	3.78	.4	543	2675	.00	1.17	1.17	1.53	9.37	8.70	D	
12	0110	1296.6	10.4	1.63	1.63	102	13.6	2800	1292.5	9.42	9.88	733	0	30.9	36.3	402	2897	4.08	.5	511	2495	.00	1.11	1.11	1.53	9.38	8.70	D	
13	0112	1296.9	8.54	1.89	1.89	108	18.5	2840	1292.5	9.26	9.90	738	0	30.9	36.4	399	3121	4.39	.5	592	2359	.00	1.26	1.26	1.53	9.39	8.70	D	
14	0114	1297.2	10.8	1.90	1.90	104	18.0	2810	1292.5	9.30	10.2	737	0	30.9	36.7	397	3295	4.69	.5	495	2237	.00	1.19	1.18	1.53	9.40	8.70	D	
15	0116	1297.5	9.66	1.88	1.88	100	18.1	2810	1292.5	9.29	10.5	736	0	30.8	36.8	400	3482	5.00	.6	425	2130	.01	1.20	1.20	1.53	9.41	8.70	D	
16	0117	1297.8	11.2	1.99	1.98	99	17.6	2830	1292.5	9.32	10.5	737	0	30.5	36.9	401	3643	5.30	.6	431	2035	.01	1.16	1.16	1.53	9.41	8.70	D	
17	0119	1298.2	11.4	1.73	1.73	100	17.9	2840	1292.5	9.33	10.3	735	0	30.2	37.1	403	3819	5.58	.6	467	1959	.01	1.16	1.16	1.53	9.42	8.70	D	
18	0123	1298.5	5.18	1.85	1.85	100	17.9	2840	1292.5	9.37	10.1	736	0	29.6	37.4	403	4152	5.91	.7	983	1897	.01	1.34	1.34	1.53	9.43	8.70	D	
19	0125	1298.8	7.04	1.81	1.81	100	18.3	2840	1292.5	9.33	10.4	735	0	29.2	37.6	402	4393	6.22	.7	690	1837	.01	1.27	1.27	1.53	9.44	8.70	D	
20	0127	1299.1	11.7	1.88	1.88	100	18.3	2840	1292.7	9.34	10.6	735	0	29.1	37.6	404	4546	6.52	.7	483	1770	.01	1.16	1.16	1.53	9.45	8.70	D	
21	0129	1299.4	8.99	1.76	1.76	100	17.5	2840	1292.9	9.33	10.7	736	0	29.1	37.6	403	4746	6.83	.8	583	1716	.01	1.20	1.20	1.53	9.45	8.70	D	
22	0131	1299.7	7.64	1.81	1.78	100	18.5	2840	1293.0	9.33	11.2	736	0	29.2	37.6	402	5004	7.13	.8	720	1674	.01	1.26	1.26	1.53	9.46	8.70	D	
23	0133	1300.0	7.84	1.95	1.03	99	19.1	2840	1293.2	9.27	11.5	735	0	29.2	37.7	401	5212	7.43	.9	581	1629	.01	1.26	1.26	1.53	9.46	8.70	D	
24	0135	1300.3	12.4	1.64	1.64	100	18.5	2840	1293.4	9.29	11.0	735	0	29.4	37.9	403	5388	7.72	.9	948	1609	.01	1.15	1.15	1.53	9.46	8.70	D	
25	0139	1300.6	4.79	1.77	1.77	99	18.1	2850	1294.1	9.28	10.4	737	0	29.8	38.0	402	5746	8.04	.9	854	1562	.01	1.35	1.35	1.53	9.46	8.70	D	
26	0141	1300.9	6.13	1.63	1.63	99	19.0	2850	1294.5	9.27	10.2	736	0	30.4	38.0	404	6000	8.33	1.0	738	1532	.01	1.31	1.31	1.53	9.46	8.70	D	
27	0144	1301.2	6.98	1.70	1.70	100	16.5	2850	1294.7	9.24	9.96	736	0	31.6	38.1	406	6229	8.66	1.0	647	1508	.01	1.24	1.24	1.53	9.46	8.70	D	
28	0156	1302.0	6.49	1.59	1.59	99	16.0	2850	1294.8	9.23	9.61	173	0	32.3	37.9	436	6471	9.51	1.1	729	1385	.01	1.26	1.26	1.53	9.37	8.70	DK	
29	0212	1302.4	7.83	1.91	1.91	100	13.2	2830	1294.8	9.20	9.43	733	0	32.7	35.1	426	6549	9.87	1.1	206	1341	.01	1.26	1.24	1.53	9.45	8.70	D	
30	0215	1302.8	7.60	1.67	1.65	101	15.0	2820	1294.8	9.25	9.44	734	0	32.5	36.7	424	6843	10.2	1.1	962	1326	.01	1.20	1.20	1.53	9.43	8.70	D	
31	0218	1303.1	6.45	1.79	1.79	102	17.4	2810	1294.8	9.26	9.38	734	0	32.2	37.3	427	7118	10.5	1.2	963	1309	.01	1.28	1.28	1.53	9.42	8.70	D	
32	0220	1303.3	5.85	1.76	1.76	101	17.9	2820	1294.8	9.28	9.49	734	0	32.1	37.5	427	7361	10.8	1.2	727	1290	.01	1.32	1.31	1.53	9.42	8.70	D	
33	0223	1303.6	7.70	1.78	1.78	101	21.4	2830	1294.8	9.31	9.54	735	0	31.8	37.9	429	7590	11.1	1.3	673	1273	.01	1.31	1.31	1.53	9.42	8.70	D	
34	0226	1304.0	7.02	1.73	1.73	101	18.9	2820	1294.8	9.34	9.58	735	0	31.9	38.0	431	7871	11.3	1.3	7989	1263	.01	1.29	1.29	1.53	9.42	8.70	D	
35	0229	1304.2	4.75	1.91	1.91	102	20.0	2830	1294.8	9.35	9.63	736	0	31.9	37.9	436	8233	11.7	1.4	907	1250	.01	1.40	1.40	1.53	9.42	8.70	D	
36	0231	1304.5	11.7	1.87	1.87	101	20.1	2810	1294.8	9.35	9.60	735	0	31.8	37.9	435	8390	12.0	1.4	653	1235	.01	1.19	1.19	1.53	9.43	8.70	D	
37	0235	1304.9	4.63	1.78	1.79	101	20.3	2820	1294.8	9.33	9.67	737	0	31.9	38.2	438	8804	12.3	1.4	1634	1226	.01	1.41	1.41	1.53	9.43	8.70	D	
38	0236	1305.2	13.2	1.82	1.82	101	20.1	2820	1294.8	9.38	9.59	736	0	32.0	38.3	441	8978	12.6	1.5	488	1208	.01	1.16	1.16	1.53	9.43	8.70	D	
39	0239	1305.5	5.04	1.89	1.89	102	19.6	2820	1294.8	9.38	9.60	736	0	32.0	38.2	445	9235	12.9	1.5	770	1196	.02	1.38	1.38	1.53	9.43	8.70	D	
40	0242	1305.8	7.59	1.74	1.74	101	19.9	2830	1294.8	9.38	9.60	737	0	32.0	38.2	446	9507	13.2	1.6	899	1191	.02	1.29	1.29	1.53	9.43	8.70	D	
41	0246	1306.1	4.11	1.86	1.86	102	19.5	2820	1300.0	9.31	9.62	737	0	31.9	38.2	444	9939	13.5	1.6	1522	1187	.02	1.43	1.43	1.53	9.40	8.70	D	
42	0248	1306.4	6.75	1.79	1.79	102	20.8	2820	1300.0	9.24	9.64	736	0	32.4	38.7	432	10202	13.8	1.7	817	1178	.02	1.35	1.34	1.53	9.34	8.70	D	
43	0252	1306.7	5.36	1.88	1.88	102	20.5	2820	1300.0	9.22	9.60	736	0	32.7	38.7	427	10567	14.1	1.7	840	1170	.02	1.40	1.39	1.52	9.34	8.70	D	
44	0254	1307.0	7.00	1.85	1.03	102	20.7	2830	1300.0	9.20	9.48	736	0	33.1	38.7	426	10808	14.4	1.8	667	1159	.02	1.33	1.33	1.52	9.34	8.70	D	
45	0257	1307.																											