

7" Std 15k DT Valve Run History

Run number	Hours in hole	Hole size in	Circulating Hours	Mud		Bottom Hole		Surface			
				Mud type	Mud wt ppg	Temp DegC	Depth ft	Flowrate gpm	Temp degC	Torque lbft	WOB lb
1	42	8.5	28.5	WBM	9.8	55	5900	610		7000	20000
2	23	8.5 (coring)	8	WBM	9.5	55	5920	320		6500	11000
3	20	8.5 (coring)	5	WBM	9.5	55	5920	320		6500	11000
4	21	8.5 (coring)	6.5	WBM	9.5	55	5920	320		6500	11000
5	18	8.5 (coring)	6	WBM	9.5	55	5920	320		6500	11000
6	17	8.5 (coring)	5	WBM	9.5	55	5920	320		6500	11000
7	20	8.5 (wiper)	5.5	WBM	9.5	55	5920	666		1500	0
8	93	8.5	43	OBM	17.5	140	15780	300	51	17000	12000
9	70	8.5	21.5	OBM	17.5	120	14924	460		10000	16000
10	185	8.5	115.5	OBM	17.5	136	16104	450	57	17000	40000
11	152.5	8.5	80.5	OBM	17.6	150	17150	400	58	18000	40000
12	177	8.5	73	OBM	17.6	125	15243	450	57	13000	25000
13	164	8.5	105	OBM	17.7	141	16507	450	52	22000	24000
14	106	8.5 (coring)	57	Warp	18.2	150	16685	600 (CS)	30	11000	5000
15	116	8.5	64	OBM	18.1	150	17116	440	55	17000	25000
16	48	8.5	7.33	NABM	16.6	150	11262	530	50	6500	20000
17	240	8.5	122	NABM	16.6	150	16270	400	50	16000	26000
18	96	8.5	19	Cement	17.5	150	16270	266	50	N/A	N/A
19	212	8.5	126	NABM	16.8	150	16720	320	50	15000	16000
20	80	8.5	20	Cement	17.5	150	16270	266	50	N/A	N/A
21	135	8.5	50.62	NABM	17.5	150	17015	400	50	25000	13000
22	LIH	8.5	LIH	WBM	16.5	110	9850	300	50	6000	5000
23	72	8.5	12	WBM	16.5	110	9850	0	50	0	0
24	36	8.5	12	WBM	16.5	110	9850	0	50	0	0
25	36	8.5	12	WBM	16.5	110	9850	0	50	0	0
26	36	8.5	12	WBM	16.5	110	9850	0	50	0	0
27	96	8.5	12	WBM	16.5	110	9850	0	50	0	0
28	72	8.5	12	WBM	17.9	110	9850	0	50	0	0
29	24	8.5	2	WBM	17.9	110	9850	0	50	0	0
30	72	8.5	12	WBM	17.9	110	9850	0	50	0	0
31	120	8.5	124	WBM	17.9	110	9850	0	50	0	0
32	48	8.5	24	WBM	17.9	110	9850	0	50	0	0
33	140	8.5	4	WBM	17.9	110	9850	0	50	0	0
34	48	8.5	12	WBM	17.9	110	9850	0	50	0	0
35	144	8.5	48	WBM	17.9	110	9850	0	50	0	0
36	48	8.5	12	WBM	17.9	110	9850	0	50	0	0
37	96	8.5	24	WBM	17.9	110	9850	0	50	0	0
38	96	8.5	36	WBM	17.9	110	9850	0	50	0	0
39	336	8.5	167	NABM	16.8	150	16720	320	50	15000	16000
40	192	8.5	120	OBM	17.6	150	15243	450	57	13000	25000
41	168	8.5	54	NABM	16.8	150	16720	320	50	15000	16000
42	72	8.5	24	OBM	17.6	150	15243	450	57	13000	20000
43	120	8.5	60	OBM	17.6	150	15243	450	57	13000	25000
44	192	8.5	88	OBM	17.6	150	15243	450	57	13000	25000
45	72	8.5	10	OBM	17.6	150	15243	450	57	13000	25000
46	192	8.5	98	NABM	16	150	16000	480	50	15000	20000
47	192	8.5	98	NABM	16	150	16000	480	50	15000	20000
48	245	8.5	154	NABM	16	150	16700	350	50	12000	22000
49	245	8.5	154	NABM	16	150	16700	350	50	12000	22000
50	480	8.5	328	NABM	17.3	150	17400	360	50	21000	22000
51	240	8.5	143	NABM	17.3	150	17400	360	50	24000	26000
52	96	8.5	24	NABM	17.1	116	14780	400	60	12000	20000
53	96	8.5	24	NABM	17.1	116	14780	400	60	12000	20000
54	120	8.5	44	NABM	17.9	150	15218	400	50	13000	20000
55	96	8.5	15	NABM	17.3	150	18232	360	50	24000	26000
56	48	8.5	0 (15 cum)	NABM	17.3	150	18232	360	50	24000	26000
57	96	8.5	17 (32 cum)	NABM	17.3	150	18232	360	50	24000	26000
58	120	8.5	30 (45 cum)	NABM	17.3	150	18232	360	50	24000	26000
59	241	8.5	137	NABM	17	155	17281	350	50	18000	10000
60	216	8.5	110	SOBM	15.7	145	16342	400	50	12000	10000
61	96	8.5	20	NABM	16.6	120	14660	800	50	9000	25000
62	288	8.5	159	NABM	17.9	140	15910	415	50	12600	35000
63	120	8.5	61(81 cum)	NABM	17.6	140	15910	450	50	8000	5000
64	144	8.5	60(141 cum)	NABM	17.6	140	15910	450	50	0	0
65	96	8.5	30(170 cum)	NABM	17.6	140	15910	450	50	8000	5000
66	48	8.5	10(180cum)	NABM	17.6	140	15910	450	50	0	0
67	144	8.5	86	SOBM	16.2	140	17183	450	50	20000	20000
68	168	12 1/2	80	NABM	16.8	150	16949	320	50	15000	16000

8 1/2" H2S 15k DT Valve Run History

Run number	Hours in hole	Hole size in	Circulating Hours	Mud		Bottom Hole		Surface			
				Mud type	Mud wt ppg	Temp DegC	Depth ft	Flowrate gpm	Temp degC	Torque lbft	WOB lb
1	100	17 1/2 x 22	67.5	OBM	11.2	100	6500	1100	50	15k	7k
2	100	17 1/2 x 22	67.5	OBM	11.2	100	6500	1100	50	15k	7k
3	72	17 1/2 x 22	20 (cum 87.5)	OBM	11.2	100	6500	1100	50	15k	7k
4	72	17 1/2 x 22	20 (cum 87.5)	OBM	11.2	100	6500	1100	50	15k	7k
5	24	17 1/2 x 22	2	OBM	11.2	100	6500	1100	50	15k	7k
6	72	17 1/2 x 22	36 (cum 38)	OBM	11.2	100	6500	1100	50	15k	7k
7	48	17 1/2 x 22	2 (cum 40)	OBM	11.2	100	6500	1100	50	15k	7k

8 1/2" Std 15k DT Valve Run History

Run number	Hours in hole	Hole size in	Circulating Hours	Mud		Bottom Hole		Surface			
				Mud type	Mud wt ppg	Temp DegC	Depth ft	Flowrate gpm	Temp degC	Torque lbft	WOB lb
1	408	12 1/2"	235.0	NABM	16.6	150	14628	750	60	20k	40k
2	360	12 1/2"	290.0	NABM	17	150	16186	750	60	20k	40k
3	216	12 1/2"	131	NABM	16	150	12800	700	60	20000	33000
4	216	12 1/2"	131	NABM	16	150	12800	700	60	20000	33000
5	72	12 1/2"	27 (cum 158)	NABM	16	150	13028	700	60	22000	40000
6	72	12 1/2"	27 (cum 158)	NABM	16	150	13028	700	60	22000	40000
7	72	12 1/2"	3(cum 161)	NABM	16	150	13028	700	60	22000	40000
8	72	12 1/2"	3(cum 161)	NABM	16	150	13028	700	60	22000	40000
9	48	12 1/2"	9 (cum 170)	NABM	16	150	13028	700	60	22000	40000
10	48	12 1/2"	9 (cum 170)	NABM	16	150	13028	700	60	22000	40000
11	36	12 1/2"	4 (cum 174)	NABM	16	150	13028	700	60	22000	40000
12	36	12 1/2"	4 (cum 174)	NABM	16	150	13028	700	60	22000	40000
13	36	12 1/2"	4 (cum 178)	NABM	16	150	13028	700	60	22000	40000
14	36	12 1/2"	4 (cum 178)	NABM	16	150	13028	700	60	22000	40000
15	288	12 1/2"	212 (cum 390)	NABM	16	150	13028	700	60	22000	40000
16	288	12 1/2"	212	NABM	16	150	13028	700	60	22000	40000
17	360	12 1/2"	300	NABM	16	150	13028	700	60	22000	40000
18	144	12 1/4"	62	NABM	15.2	116	13693	800	60	17000	45000
19	216 (cum 360)	12 1/4"	193 (cum 255)	NABM	17.1	116	14780	800	60	20000	45000
20	96	12 1/4"	11	NABM	17.1	116	14780	800	60	15000	30000
21	39 (cum 135)	12 1/4"	24 (35 cum)	NABM	17.1	116	14780	800	60	15000	30000
22	408	12 1/2"	294	NABM	16	120	15850	750	60	15000	30000
23	264	12 1/4"	181	OBM	15.6	133	16000	800	60	27000	35000
24	360	12 1/4"	231	NABM	15.5	139	15036	800	60	18000	70000
25	72	12 1/4"	7 (cum 238)	NABM	16.6	139	15036	800	60	8000	10000
26	200	12 1/4"	73	Versatherm	15.6	110	14044	800	60	25000	35000
27	168	12 1/4"	115	Versatherm	15.8	135	15809	800	60	27000	33000
28	264	12 1/2"	204	NABM	16.6	150	13570	750	60	20k	40k
29	600 (cum 864)	12 1/2"	564	NABM	16.6	150	16949	750	60	20k	40k