

FIREWEED /10/ FEDERAL NO. 1

FROM	TO	HOURS	SUB PHASE	OPERATIONS SUMMARY
00:00	03:00	3.00	P PROT1	TESTED BOP's: ALL VALVES, BLIND RAMS, & PIPE RAMS TO 250 LOW & 2000 PSI HIGH. TESTED ANNULAR TO 250 & 1200 PSI.
03:00	04:00	1.00	P PROT1	LAY DOWN SQUARE KELLY & PICK UP HEX. KELLY.
04:00	05:00	1.00	P PROT1	TEST UPPER & LOWER KELLY COCK, TIW, & INSIDE BOP VALVES TO 250 & 2000 PSI.
05:00	09:00	4.00	P PROT1	M/U BIT & BIT SUB & TIH.
09:00	10:00	1.00	P PROT1	R/U PICK UP & LAY DOWN MACHINE.
10:00	12:30	2.50	P PROT1	LAY DOWN 40 JTS OF DRILL PIPE & 9 DRILL COLLARS.
12:30	19:00	6.50	P PROT1	M/U BHA. & P/U 50 JTS OF SPIRAL HWDP.
19:00	20:00	1.00	P PROT1	RIG DOWN THE PICK UP & LAY DOWN MACHINE.
20:00	20:30	0.50	P PROT1	TIH
20:30	21:30	1.00	P PROT1	CHANGE OUT KELLY DRIVE BUSHINGS.
21:30	22:30	1.00	P PROT1	TIH TO TOC @ 2730'.
22:30	00:00	1.50	P PROT1	DRILLING CEMENT & FLOAT EQUIP. F/ 2730' TO 2790'.

FROM	TO	HOURS	SUB PHASE	OPERATIONS SUMMARY
00:00	09:30	9.50	P PROT1	DRILLING FLOAT EQUIP & SHOE TRACK F/ 2790' TO 2834'.
09:30	18:00	8.50	P PROT1	DRILLING FORMATION F/ 2834' TO 3126' (AVE ROP = 34'/HR).
18:00	18:30	0.50	P PROT1	SERVICE & LUBRICATE RIG. HELD BOP DRILL.
18:30	00:00	5.50	P PROT1	DRILLING F/ 3126' TO 3351'. ROP=41'/HR.

FROM	TO	HOURS	SUB PHASE	OPERATIONS SUMMARY
00:00	00:30	0.50	P PROT1	WIRELINE SINGLE SHOT SURVEY @ 3311': 1 DEG.
00:30	14:30	14.00	P PROT1	DRILL F/ 3351' TO 3833' (AVE ROP = 34'/HR)
14:30	15:00	0.50	P PROT1	SINGLE SHOT SURVEY @ 3793': 0.75 DEGREES
15:00	15:30	0.50	P PROT1	SERVICE RIG. RUN BOP DRILL.
15:30	00:00	8.50	P PROT1	DRILL F/ 3833' TO 4145'. (37'/HR)

FROM	TO	HOURS	SUB PHASE	OPERATIONS SUMMARY
00:00	01:00	1.00	P PROT1	DRILLING F/ 4145' TO 4180' - DRILLED 1' TO 2' OF FORMATION CHANGE AND LOST TOTAL CIRCULATION.
01:00	07:00	6.00	T PROT1	PUMPING WITH NO RETURNS AT 60 SPM & 350 PSI: PUMPED FOUR 40 BBL LCM PILLS W/ 10 PPB PREMIUM SEAL/SHREADED PAPER.
07:00	10:30	3.50	T PROT1	SHUT DOWN PUMPS WHILE MIXING 200 BBL SWEEP W/ 16 PPB LCM: COTTON SEED HULLS, CEDAR FIBERS, & MAXI-SEAL.
10:30	12:00	1.50	T PROT1	PUMP LCM SWEEP: NO RETURNS.
12:00	14:00	2.00	T PROT1	POOH, STAND BACK BHA. & L/D BIT.
14:00	17:00	3.00	T PROT1	TIH W/ OPEN ENDED HWDP TO 3500'.
17:00	20:00	3.00	T PROT1	MIX SECOND 200 BBL LCM PILL W/ 30 PPB LCM.
20:00	21:00	1.00	T PROT1	PUMP SECOND 200 BBL LCM PILL & DISP. SAME (NO RETURNS) WHILE R/U DOWELL LINES.
21:00	23:30	2.50	T PROT1	R/U DOWELL TEST LINES TO 1800 PSI -OK-, PUMP 20 BBL 10% CaCl2 SOLUTION, 15 BBL H2O, 20 BBL 36% SODIUM METASILICATE, & 15 BBL H2O. MIX & PUMP 250 SX (62 BBL SLURRY) RFC THIXOTROPIC CEMENT CL"H" (10% GYPSUM/2% CaCl2)+5 LB/SK KOLITE+0.5 LB/SK CELLOFLAKE. DISP W/ 54.5 BBL FRESH H2O. PUMP PRES. INCREASED F/ 50 PSI TO 240 PSI AT END OF DISPLACEMENT.
23:30	00:00	0.50	T PROT1	POOH

FROM	TO	HOURS	SUB PHASE	OPERATIONS SUMMARY
00:00	01:30	1.50	T PROT1	POOH WHILE R/D DOWELL
01:30	07:00	5.50	T PROT1	M/U NEW BIT. TIH W/ DC's. L/D 8 6" DC'S.T.H. P/U JARS. & TIH
07:00	11:30	4.50	T PROT1	WAIT ON CEMENT
11:30	12:30	1.00	T PROT1	TIH TO 3820'
12:30	13:30	1.00	T PROT1	WASH DOWN F/ 3820' TO TOC @ 4160
13:30	15:00	1.50	T PROT1	DRILL 20' OF HARD CEMENT & 6" OF NEW HOLE.
15:00	15:30	0.50	T PROT1	LOST TOTAL CIRCULATION. MIX & PUMP LCM PILL.
15:30	22:30	7.00	P PROT1	DRILL AHEAD W/OUT RETURNS F/ 4181' TO 4191'. RECOVERED PARTIAL RETURNS AT 4191. CONT. DRILLING TO 4274'.
22:30	23:00	0.50	P PROT1	WIRELINE SINGLE SHOT SURVEY AT 4256' 0.75 DEGREES. N60W.
23:00	23:30	0.50	P PROT1	INSTALLED ROTATING HEAD.
23:30	00:00	0.50	P PROT1	DRILL F/ 4274' TO 4328'.

FROM	TO	HOURS	SUB PHASE	OPERATIONS SUMMARY
00:00	12:30	12.50	P PROT1	DRILLING W/ PARTIAL RETURNS (20% TO 75%) F/ 4328 TO 4620'.
12:30	13:30	1.00	T PROT1	MIX & SPOT 100 BBL LCM PILL (16 PPB LCM)
13:30	14:30	1.00	T PROT1	POOH 6 STANDS AND CIRC WHILE WAITING ON LCM TO HEAL FORMATION - NO RETURNS.
14:30	15:00	0.50	T PROT1	TRIP BACK TO BTM: 4620'.
15:00	15:00	1.00	P PROT1	DRILL W/ OUT RETURNS F/ 4620' TO 4635'
15:00	21:30	5.50	T PROT1	POOH STAND BACK BHA & L/D BIT. TIH OPEN ENDED TO 3950' FOR CEMENT SQUEEZE. R/U DOWELL LINES
21:30	22:30	1.00	T PROT1	TEST DOWELL LINES TO 2000 PSI -OK-. PUMP TO BBL FW. 20 BBL 10% CaCl2. 15 FW. 20 D-75 (SODIUM METASILICATE). 15 FW. MIX & PUMP 350 SX RFC CEMENT (89 BBL SLURRY) @ 15.0 PPG. DISP W/ 50 BBL FW. EST TOC @ 4100'.
22:30	00:00	1.50	T PROT1	POOH

FROM	TO	HOURS	SUB PHASE	OPERATIONS SUMMARY
00:00	06:30	6.50	P PROT1	DRILLING W/ +/- 50% RETURNS F/ 4663' TO 4796
06:30	07:00	0.50	P PROT1	WL SINGLE SHOT SURVEY @ 4756' 1 DEG
07:00	09:00	2.00	P PROT1	DRILLING W/ +/- 50% RETURNS F/ 4796' TO 4845
09:00	09:30	0.50	P PROT1	SERVICE RIG & HOLD BOP DRILL.
09:30	00:00	14.50	P PROT1	DRILLING W/ +/- 50% RETURNS F/ 4845' TO 5135'

FROM	TO	HOURS	SUB PHASE	OPERATIONS SUMMARY
00:00	08:00	8.00	P PROT1	DRILL W/ 50-75% RETURNS F/ 5135' TO 5214' WOB=30K.
08:00	08:30	0.50	P PROT1	SERVICE RIG
08:30	11:00	2.50	P PROT1	DRILLING W/ 75% RETURNS F/ 5214' TO 5246' WOB = 30K
11:00	12:00	1.00	P PROT1	WIRELINE SS SURVEY @ 5214': 1.75 DEG N15W.
12:00	17:00	5.00	T PROT1	CIRCULATE @ 5245' WHILE BUILDING 400 BBL LCM PILL W/ 45 PPB "OM-SEAL". (AS PILL GOT VERY THICK BOTH RIG PUMPS WERE REQUIRED TO CIRC THE STEEL PITS - 1 HR).
17:00	19:00	2.00	T PROT1	PUMP 400 BBL LCM PILL FOLLOWED BY 400 BBL MUD W/ 8 PPB LIQUID CASING. NO RETURNS.
19:00	00:00	5.00	P PROT1	DRILL AHEAD W/OUT RETURNS F/ 5245' TO 5339'

FROM	TO	HOURS	SUB PHASE	OPERATIONS SUMMARY
00:00	10:30	10.50	P PROT1	DRILL W/ 0% TO 50% RETURNS F/ 5135' TO 5631'
10:30	11:00	0.50	P PROT1	SERVICE RIG
11:00	13:30	2.50	P PROT1	DRILL W/ < 50% RETURNS F/ 5631' TO 5727'
13:30	14:30	1.00	P PROT1	WIRELINE SURVEY: MIS-RUN.
14:30	17:30	3.00	P PROT1	DRILL W/ < 50% RETURNS F/ 5727' TO 5800' AVE. ROP DECREASED F/ 35'/HR TO 8'/HR
17:30	00:00	6.50	P PROT1	POOH. C/O BIT & 4 UNDERGAUGE ROLLER REAMERS.