

//
11-12-1974

State 22 Communitized 1 2950 TD of 11" hole. WOC.
(McVay Drlg. Co.)
(10 days)

24-HOUR RECAP: Pulled out of hole; rigged up ran 8 5/8" OD casing:

No. Jts.	Description	Threads Off Length	From	To
---	Rotary correction	18.90	0.00	18.90
18	24#/ft. K-55, ST&C casing	748.22	18.90	767.12
---	HOWCO DV tool	2.95	767.12	770.07
32	24#/ft. K-55, ST&C casing	1337.76	770.07	2107.83
16	32#/ft. K-55, ST&C casing	713.74	2107.93	2821.67
---	HOWCO float collar	1.53	2821.67	2823.20
1	32#/ft. K-55, ST&C casing	21.80	2823.20	2845.00
---	HOWCO Texas pattern shoe	1.00	2845.00	2846.00

1 HOWCO metal-petal baskets installed on joints #20, #21 and #22.

Worked and washed casing 1792' - 1803'; 2782 - 2800'; 2824 - 2834; and 2834' to 2867'. Casing stopped at 2867'; while working casing up hole to 2846'; csg. stuck at 2846' Unable to circulate around bottom. Unable to work casing free -- pulled to 200,000#.

Rigged up Halliburton at 5:30 p.m. Pumped 20 bbls. fresh water via 8 5/8" casing, followed with 300 sacks class "C" cement containing 1/4# Flocele per sack and 2% CaCl -- slurry weight 14.8 PPG; maximum pressure 2000 psi. Bumped plug with 2300 psi. The following pressures were observed:

Bbls. Water Behind Cement	Psi
110	900
120	1100
130	1350
140	1500
150	1650
160	1800
170	1950
177	2000

Dropped bomb to open DV tool; pumped 120 bbls. fresh water at 7 bbls. per minute -- did not circulate. Dropped DV closing plug and closed DV tool. Set casing on slips and nipped up casing head; rigged up BOP.

Tied Halliburton onto 11 3/4" - 8 5/8" annulus. Pumped 5 bbls. water, followed by 300 sacks HOWCO "light" cement, containing 5# gilsonite/sack and 1/4# Flocele per sack. Slurry weight 12.8 PPG; closed valve on annulus -- WOC. Job completed at 2:00 a.m., 11-12-74.

12
NOV 13 1974

State 22 Communitized
(McVay Drlg. Co.)
(11 days)

1 2835 PBD

Orig TD 2950'. 8 5/8" ODCSA 2846'.
Coming out of hole with a Hughes 7 7/8",
J-7 bit.
Preparing to run Schlumberger cement bond
log.

At 8:00 p.m., connected to 11 3/4" - 8 5/8" annulus. Pumped in 40 sacks
of Halliburton "Light" cement containing 5# gilsonite per sack plus 2# Flocele
per sack -- pressuring to 400 psi. Bled off air. Pumped in an additional
20 sacks in two ten-sack slurries, bleeding air again between 10-sack batches.
Finished job at 10:00 p.m.

Waited on cement until 2:00 a.m., 11-13-74. Tested BOP equipment to 5000
psi -- held. Drilled DV tool, float collar and 15' cement -- drilling to 2835'.
11' cement left in casing.

24-HOUR RECAP:

21 hours, WOC (including 2 hours, cementing with additional 60 sacks, as above).
2 hours, drilling to 2835'.
1 hour, coming out of hole with 7 7/8" bit.

Cumulative mud costs: \$1636.00

Cumulative drilling costs: \$100,761.00.

13
NOV 14 1974

State 22 Communitized
(McVay Drlg. Co.)
(12 days)

1 3200

Drilling, lime and sand, with bit #7.
Drilling progress: 250' -- losing 5% of
returns.

Bit #7, 7 7/8" Reed ST-63, has drilled 250' in 9 1/4 hours. Running 40,000#
weight on bit; rotary speed 45 RPM; pump pressure 1200 psi.

24-HOUR RECAP:

7 3/4 hours, running cement bond log -- found good cement from bottom of casing
to 2548'; no cement 2548' to 940'; some cement 940' to 764'; fair
cement 760' to 300'; no cement 300' to 222'; fair cement 220' to
surface.

7 hours, trips and drilling out shoe, and testing bottom to 500 psi -- bled off 50 psi
in 30 minutes.

9 1/4 hours, drilling.

Slope test: 1/2° at 2950'.

Additives: 20 sacks lime, 5 sacks paper. Hauled 570 bbls. fresh water.

Drilling fluid: Fresh water.

Cumulative mud cost: \$1640.00

Cumulative drilling cost: \$105,990.00