

Sun Oil Company's - New Mexico "K" State Well #1

Misc. Report

2-23-68 - Drilled hard cement 10,735 - 10,930 - Dowell spotted 100 sks Class "H" 25#/sk. Kolite 2% CaCl₂ - pressured up 3000# could not pump out plug. Pulled wet string 1250' pipe plugged with cement - loaded hole w/fresh water - found cement at 10,885. Drilled 10,909-10,929.

2-24-68 - Dowell spotted 50 sks Class H 25#/sk Kolite 2% CaCl - DP opened at 10,929. Displaced cement to bottom of DP - 10,929. Checked plug - no plug.

2-25-68 - Dowell pumped 50 sks Class H 25#/sk Kolite 2% CaCl - DP 10,929. Cement displaced - short 10 bbls. - no plug. Dowell pumped 100 sks Class H 25#/sk Gilsonite, 2% CaCl₂ - DP - 10,929. No plug. Dowell pumped 100 sks Class H 25#/sk. Kolite 2% CaCl₂ DP 10,905' - lost circ. Dowell pumped 100 sks Class H 25#/sk, Kolite 2% CaCl. DP - 10,905. Set 20,000 wt. on plug - lost circ. Drilled cement plug & 15' into rat hole.

2-26-68 - Schlumberger ran EC, Induction, Gamma Ray and Micro Logs.

2-28-68 - DST #2 - 10,455-10,490, 5/8" x 1" chokes - pkr failure. Unseated and reset, 10,448-483. Pulled and recovered 1500' dry drill pipe, 276' wtr, 744' wtr heavily cut with cement, 194' salt water cement with cement 5376' salt water cut & with lost circulation material and lightly cut with cement. 2261' light green water, faint sulfur odor. DST #2 Rerun - 10,445 - 10,500', 5/8" x 1/8", weak blow. DST #2 - rerun - 10,445 - 10,500, 5/8" x 1/8" - weak blow. DST #2 - rerun - 10,445 - 500, 5/8" x 1/8" - weak blow, pulled and recovered 588' salt water - final mud wt - 4133.

3-1-68 - DST #3 - Anchor @ 5750' - 5/8" x 1/8" chokes - 25 min. initial - good blow; 1 hour and 3 hours - good blow to weak blow - recovered 910' black water, 728' clear water, 3036' blk water - final mud wt. 1904. Dowell spotted cement plug - 100 sks Class H, 25#/sk Kolite, 2% CaCl₂, checked top of plug - 10,895, circulated hole. Dowell spotted cement plug consisting of 50 sks Class C, 2% CaCl₂, 10,350-550 - (Penn), 9686-9886 (Wolfcamp), 8125-8325 (Abo), 5995-6195 (Gloretta) Dowell spotted 50 sks Class C neat thru open-ended DP @ 5800. Pulled DP to 5670 - backwashed - recovered app. 5 bbls. cement. Tagged cement plug @ 5670. Set 10,000# wt. & plug fell off to 5782. Set 50,000# wt. held o.k. Dowell spotted 50 sks Class C & 12#/sk. 5732. Pulled up to 5670. Reversed out 6 bbls. cement. Checked plug 5719, firm plug - Dowell spotted 50 sks Class H 2% CaCl₂ & 25#/sk Kolite - DP open ended 5719 - back washed 8 bbls. cement @ 5665. Firm plug 5665, drilled firm cmt to 5680. DST #3 - retest. 5610-5680 - 5/8" x 1/8" chokes, 20 min. good blow. Pulled and recovered 1965' sw.

3-4-68 - Lane Wells ran 8 5/8" Howco Cast Iron Bridge Plug - set at 4480'. Dumped 2 sks cement on top. Top of cement 4474'. Released rig.

1-1

1-1

1-1

1-1

1-1

1-1

1-1

1-1

1-1