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MAY 4 1981

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AFE 971

O. C. D.
ARTESIA, OFFICE

LOCATION: 660' FSL & 1980' FEL, Section 19, T18S, R27E, Eddy County, N. M.
DEPTH: 9900' Morrow
CONTRACTOR: Moranco
DEAL:

- 8-26-80 Day 1. 363'. WOC. Red Beds, Vis 35-80, Slope test 125 @ $3/4^{\circ}$, 323' @ $1/2^{\circ}$. Bit 1, 17 $1/2$ ", Security M4NJ In 0 out 363'. WOB all #'s @ 90 rpm, PP 1000 psi @ 68 spm. Drlg. 7 $1/4$ hrs, Slope tests $1/2$ hr, trip 1 hr, air system 2 $1/2$ hrs, Pits & flowline 1 $3/4$ hrs, Circ 1 hr, running csg 3 hrs, cmtg $3/4$ hrs, WOC 4 $1/4$ hrs. Spud 17 $1/2$ " hole @ 9:30 AM MDST 8-25-80. TD @ 6:30 PM. Ran 9 jts 13 $3/8$ " 48# H40 ST&C. Lone Star & US Steel Csg. Set 344.77' @ 363.19'. Cemented 350 sx Class C + 2% CaCl 14.8#/gal. Plug down @ 12:45 AM MDST 8-26-80. OCC notified, Mrs. Wright did not witness. Cement did not circulate
- 8-27-80 Day 2. 510'. Drlg. Anhy & Lm. MW 8.6, Vis 29, Cl 3000, Solids 1 $1/2$ %. Bit 2, 12 $1/4$ ", HTC, J55, In @ 363'. WOB 50,000# @ 50 rpm, PP 1000-1500 psi @ 45 spm. Drlg 7 hrs, Trip 1 hr, Drill plug & Cement 4 hrs, WOC & NU 10 hrs, Tempt. Svy. $1/2$ hr, Test & check BOP $1/2$ hr, Try to unplug bit jets 1 hr. Tempt. Survey inside 299 & top outside 30' KBM. Bill Gressett approved filling annululs w/ready mix. Cut off & nipped up, cemented w/1 $1/2$ yds ready mix, filled hole, tested BOP 1000 psi--30"-- held OK. Drilled cement, plug, good cemented 328'. Progress 147'. Cost \$15,544.19
- 8-28-80 Day 3. 1246'. Drlg. Anhy & lime. MW 8.4, Vis 28, pH 9.5, Cl 800, Solids $1/2$ %, Slope test 495 @ $1/2^{\circ}$, 860' @ 1° . Bit 2, 12 $1/4$ ", HTC, J-55, In @ 363'. WOB 50,000# @ 60 rpm, PP 1000 @ 60 spm. Drlg 22 $1/4$ hrs, Slope test $1/2$ hr, Trip 1 hr, Service $1/4$ hr. @ 510' made trip to unplug jets in bit. (Pea gravel) 8 $5/8$ " csg prep to run 1775.82' thrds off, 7 sx lime, 3 sx paper, $1/2$ gal FR 24. Progress 736'. Cost \$27,859.91
- 8-29-80 Day 4. 1728'. Laying down drill collars. Sd & chert. MW 8.6, Vis 29, pH 9.0, Cl 3000, Solids 3%. Slope test 1220' @ $1 1/4^{\circ}$. Bit 2, 12 $1/4$ ", HT&C J55, In 363' out 1728'. WOB 50,000# @ 60 rpm, PP 1000 psi @ 60 spm, Drlg 19 $3/4$ hrs, Service $1/4$ hr, circ 2 hrs. Welded collars on 8 $5/8$ " csg, mixed 30 sx gel, 5 sx paper pill f/sweep. TD 12:40 AM DMST 8-29-80 Had drilling break w/show in Grayburg: 910-985 drilled 4"/ft, best 920-950' drilled in 6", had streaming cut w/tr yellow fluorescent w/br yellow residue. Progress 482'. Cost \$41,683.76
- 8-30-80 Day 5. 1728'. WOC. Sd & chert. MW 8.6, Vis 29, pH 9.0, Cl 3000, Solids 3%, Slope test 1688' @ 2° . Bit 2, 12 $1/4$ ", HTC, J55, In 363' out 1728'. Trip 1 $1/2$ Hrs, Cmtg 2 hrs, NU & WOC 12 hrs, Running casing 8 $1/2$ hrs, Finished trip out of hole, ran 8 $5/8$ " csg & tagged fill w/jt 37-posteal stuck worked free, could not get down, did not have returns, pull 3 jts & regained circ, worked back to 38 jts in hole. Set 38 jts 8 $5/8$ " K55, 24# ST&C csg (1666.22' @+ 1683.42). Cemented w/800 sx Halliburton lite + 10# Gilsonite per sx @ 12.7#/gal & followed w/200 sx Class C + 2% CaCl2. Plug down @ 3:30 PM MDST 8-29-80. Circ 10 sx cmt. Witnessed by M. C. Stubblefield w/OCC Artesia. Cut off 19.57' csg & welded on & started NU. Cum Cost \$60,921.40