

# DAILY DRILLING AND PROGRESS REPORT

FEDELL #4

Township 18 South, Range 26 East, N.M.P.M.

Section 35: SENE

Eddy County, New Mexico

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- 12/04/83 Spud date: 12/03/83 @ 4:45 PM.
- 12/06/83 Run 23 jts 968' 8RD 24# API csg. set at 972' KB. Cemented w/350 sx H/L ¼# flocele 6# gilsonite & 2% calc. & 200 sx class "C" & 2% calc. Circulated 200 sx to pits. Plug down @ 3:45 PM 12/05/83.
- 12/14/83 Total Depth: 3970'  
Date 12/13/83, 12:00 PM.  
Run 106 jts 3956', 5½" J-55, 15.5# LT&C csg. Set at 3961 KB. Cement w/300 sx H/L, w¼# flocele, 400 sx class "C: 50/50 POZ w/2% gel, 4/10% HD-4, 3/10% CFR-2, 4# salt, did not circulate, temperature survey shows top at 320' FS. Plug down 3:30 AM 12/14/83.
- 12/19/83 Halliburton conducted csg test on 5½" production string at 1000 psi for 30 min. No drop in pressure.
- 12/20/83 RIH w/4" SSBI select fire guns and perforate 20, .50" holes at 3360' 70', 3406', 16', 29', 34', 46', 56', 3548', 61', 80', 85', 3600', 35', 59', 65', 78', 94', 3704', 18'. Rack & talley in 2 7/8" J-55 tbg. RIH w/RBP, 122 jts 2 7/8" tbg, set RBP at 3738', POOH to 3707'. Shut down. Cold temp. froze fresh water lines to frac tank. Transport 1% KCL to tanks by truck.
- 12/21/83 Spot 1000 gals 15% HCL acid, POOH w/tbg, breakdown formation at 2000 psi establish rate of 46 bpm. Spearhead 2000 gals 15% HCL acid w/55 gals each of corrosion inhibitor and scale preventor. Frac down csg w/81,450 gals of 30# gelled 1% KCL carrying 89,000#s of 20/40 sand, tailed in w/41,000#s of 12/20 sand plus additives of 14-N, HAI-50, FE-1A, FE-2, CW-1, GBW-3, adomite aqua, protexall, K-33. Max psi 2920, av psi 2550, max rate 96 bpm, av rate 90 bpm, ISIP 1400 psi, 15 min SIP 1120. Shut in 11:00 AM 12/20/83. Start flow back at 11:00 PM 12/20/83.
- 12/22/83 RIH w/4" SSBI select fire guns & perforate 20, .50" holes at 2980', 3002', 20', 37', 50', 3150', 62', 68', 86', 92', 3200', 06', 26', 33', 51', 59', 69', 82', 96', 3304'. RIH w/overshot & tbg., wash 65' of sand off RBP by circulating down annulas. Latch onto RBP POOH to 3310' & set RBP, POOH to 3279' & pack off well head with stripper rubber & tbg. slips test RBP to 1000 PSI, held OK. Spot 1000 gals 15% HCL. Breakdown bottom perfs 1800 PSI 2 bpm. POOH w/tbg & over-shot. Breakdown remaining perfs at 17 bpm. Spearhead 2000 gals 15% HCL w/55 gals each of corrosion inhibitor & scale preventor, frac down casing w/98,640 gals 30# gelled 1% KCL carrying 122,500#s 20/40 sand tailed in w/38,000#s of 12/40 sand, plus additives of 14-N, HAI-50, FE-1A, FE-2, CW-1 (Buffer), GBW-3 (Breaker), WG-6 (Gel 30#), adomite aqua (fluid loss), protexall (scale inhibitor), K-33 (Oxygen Scavanger.) Max PSI 3500, av PSI 2900, max rate 93 bpm, av rate 88 bpm, ISIP 1400 PSI, 15 min SIP 1000 PSI. Shut in 2:00 PM, 12/21/83. Start flow back 11:00 PM 12/21/83.
- 12/28/83 RIH w/overshot & tbg., wash 60' of sand off RBP by circulating down annulas, latch onto RBP POOH. RIH w/sn & 108 jts J-55 tbg to 3310.46 GL. Set tbg. slips, flange up well head. RIH w/pump, 2 1/2"x2"x16' composition ring, run rods, Norris 90, 47-7/8", 85-3/4", finish plumbing in well head. Rig completion unit down.