

DAILY DRILLING AND PROGRESS REPORT

FEDELL #3
Township 18 South, Range 26 East, N.M.P.M.
Section 35: NENE
Eddy County, New Mexico

- =====
- 11/22/83 Spud Date: 11/21/83
- 11/24/83 RIH w/23 jts 965', 28# API 8 5/8" csg. Set at 969' KB. Cement w/500 gals flow CK21, 350 sx H/L, w/1/4# Flocele, 6# Gilsonite, 2% cacl. 200 sx class "C", w/2% cacl plug down 9:00 PM 11/23/83 Circulated 100 sx to pit.
- 11/25/83 Press test B.O.P. & casing @ 700#s psi for 1/2 hr, test OK. Drill cement plug at 3:00 PM 11/24/83. Total W.O.C. 18 hrs.
- 12/02/83 Total Depth: 3905'
Date: 12/02/83 @ 10:15 PM.
- 12/03/83 Run 99 jts 3864', 5 1/2", J-55, 15.5# LT&C csg set at 3869' KB. Cement w/300 sx H/L w/1/4# flocele, 400 sx class "C" 50/50 POZ w/2% gel, 4/10% HD-4, 3/10% CFR-2, 4# salt, circulate 140 sx to pit. Plug down at 2:30 PM 12/02/83.
- 12/06/83 Halliburton conducted csg test on 5 1/2" production string at 1000 psi for 30 min. No drop in pressure.
- 12/07/83 Run cased hole log: Calibrated Gamma Ray-Neutron.
- 12/08/83 RIH w/4: SSBII select fire guns and perforate 20, .50" holes at 3254', 64', 76', 84', 3315', 46', 62', 74', 88', 94', 3405', 3533', 43', 70', 78', 3606', 13', 32', 39', 79'. Shut down.
- 12/13/83 Rack & talley in 2 7/8" J-55 tbg. RIH w/RBP, overshot, 2 7/8" tbg, set RBP at 3713', POOH to 3682'. Shut down.
- 12/14/83 Spot 1000 gals 15% HCL acid, POOH w/tbg, breakdown formation 2480 psi establish rate of 40 bpm. Spearhead 2000 gals 15% HCL acid w/55 gals each of corrosion inhibitor and scale preventor. Frac down casing w/79,800 gals of gelled 1% KCL carrying 89,000#s of 20/40 sand, tailed in w/41,000#s 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 3240, av psi 2900, max rate 97 bpm, av rate 96 bpm, ISIP 1140 psi, 15 min SIP 750 psi, shut in 10:11 AM. Start flow back at 11:00 PM 12/13/84.
- 12/15/83 RIH w/4" SSBII select fire guns and perforate 20, .50" holes at 2884', 88', 2911', 19', 30', 42', 48', 63', 77', 86', 97', 3008', 17', 39', 43', 68', 83', 93', 3137', 95'. RIH w/overshot & tbg., wash 70' of sand off RBP by circulating down annulas. Latch onto RBP POOH to 3222' & set RBP, POOH to 3192' & pack off well head with stripper rubber & tbg slips test RBP, spot 1000 gals 15% HCL. Breakdown bottom perfs 1650 PSI at 3 bpm. POOH w/tbg & overshot. Breakdown remaining perfs 1020 PSI 17 bpm. Spearhead 2000 gals 15% HCL w/55 gals each of corrosion inhibitor & scale preventor, frac down casing w/95,592 gals of 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, GBW-3, adomite aqua, protexall, K-33. Max PSI 2270, av PSI 1900, max rate 97 bpm, av rate 96 bpm, ISIP 860 PSI, 15 min SIP 720 PSI, shut in 12:00 PM, 12/14/83. Start flow back at 12:00 AM 12/15/83.
- 12/16/83 RIH w/overshot & tbg., wash 40' of sand off RBP by circulating down annulas, latch onto RBP POOH. RIH w/SN & 105 jts J-55 tbg to 3221.78 GL. Set tbg slips, flange up well head leave open to pit to allow sand to settle & charge to flow off, before running rods in AM.
- 12/17/83 RIH w/pump, 2 1/2"x2"x16' composition ring, run rods, Norris 90, 45-7/8", 83-3/4", finish plumbing in well head, set 160 CMI torquemaster pumping unit. Start pumping 4:30 PM 12/16/83. 300 bbls loadwater.