

DAILY DRILLING AND PROGRESS REPORT

FEDELL #2

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

Section 35: SWNE

Eddy County, New Mexico

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- 11/21/83 Final TD 11:00 PM 11/20/83 3875' KB.
Run 98 jts 3859.08', 5½" 15.5# LT&C set at 3865' KB, cemented with 300 sx H/L, ¼# Flocele, 400 sx class c, 50/50 POZ, 2% Gel, 4/10% HD-4, 3/10% CFR-2, 4# salt, 500 gal Flocheck, circulated 50 sx to pit. Rig released 2:00 AM 11/21/83.
- 11/26/83 Halliburton pressure tested 5½" production casing at 1000 psi for 30 minutes. No drop in pressure.
- 11/30/83 Run cased hole logs: Calibrated Gamma Ray-Neutron, RIH w/4" select fire gun & perforate 13, .50" holes at 3333', 40', 67', 92', 3424', 58', 78', 3512', 42', 58', 92', 3607', 32'.
- 12/04/83 RIH w/4" SSBII select fire gun and perforate 9, .50" holes at 3260', 3291', 3380', 3428', 3451', 3488', 3582', 3620', 3650'.
- 12/06/83 RIH w/RBP and 121 jts 2 7/8" J-55 tbg. to 3689'. Set RBP & pull up hole to 3657'. Shut down.
- 12/07/83 Spot 1000 gals 15% HCL acid POOH/w tbg, breakdown formation 1800 psi establish rate at 68 bpm. Spearhead 2000 gals 15% HCL acid w/55 gals each of corrosion inhibitor and scale preventor. Frac down casing w/84,070 gals of gelled 1% KCL water 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 2900, av psi 2450, max rate 98.7 bpm, av rate 97 bpm, ISIP 1030 psi, 15 min. SIP 740 psi. Shut in 10:59 AM 12/06/83. Start flow back 11:00 PM 12/06/83.
- 12/08/83 RIH w/4" select firegun and perforate 20, .50" holes at 2910', 24', 36', 57', 78', 85', 92', 3000', 16', 25', 47', 55', 72', 3115', 20', 28', 41', 48', 71', 84'. RIH w/overshot & tbg., wash 65' of sand off RBP, latch onto RBP pull up hole to 3230' & set. Test RBP - OK. Spot 1000 gals 15% HCL. Break formation at 1800 PSI w/5 bbls to formation. POOH w/tbg & overshot. Pump remaining 995 gals acid & establish rate of 12 bpm. Spearhead 2000 gals 15% HCL w/55 gals each of corrosion inhibitor & scale preventor, frac down csg w/96,110 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 4000, av PSI 2500, max rate 98 bpm, av rate 90 bpm, ISIP 910, 15 min SIP 740 PSI, Shut in 1:00 PM 12/7/83. Start flow back 12:00 AM 12/8/83.
- 12/09/83 RIH w/overshot & tbg, wash 28' of sand off RBP, latch on to RBP & POOH. RIH w/SN & 106 jts 2 7/8" J-55 tbg to 3230.42' GL. Flang up well head leave open to pit to allow sand to settle & charge to flow off, before running rods in AM.
- 12/10/83 RIH 1/pump, 2 1/2"x2"x16' composition ring, run rods, Norris 90, 44-7/8", 85-3/4", finish plumbing in well head, set 160 CMI torque-master pump jack, start pumping 4:00 PM 12/09/83. 300 bbls load water.