

DAILY DRILLING AND PROGRESS REPORT

FEDELL #1

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

Section 35: NWNE

Eddy County, New Mexico

11/29/83 RIH/w 2 7/8" tbg & RBP to 3603' & set RBP. Pull up to 3574' shut down.

11/30/83 Spot 1000 gals 15% HCL, breakdown formation 1500 psi establish rate at 64 BPM RIH/w 4" select fire gun and perforate 12, .50" holes at 3265', 78', 99', 3373', 84', 3466', 77', 90', 3517', 39', 44', 56'. Spearhead 2000 gals 15% NEFE acid w/55 gals each of corrosion and emulsifier chemicals. Frac down casing with 85,130 gals of gelled 1% KCL water carrying 89,000#'s of 20/40 sand tailed in with 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 3480, av psi 2850, max rate 90.8 BPM, av rate 90 BPM, ISIP 1670 psi, 15 min SIP 860 psi. Shut in 11:21 AM, 11/29/83. Start flow back 12:00 midnight.

12/1/83 RIH w/overshot & tbg, wash sand off RBP, latch on to RBP pull up hole to 3237' and set. Pull up to 3206' and test RBP at 1000 psi 5 min no drop in psi. Spot 1000 gals 15% HCL, RIH w/4" select fire gun and perforate 13, .50" holes at 2850', 61', 83', 97', 2988', 3002', 13', 62', 80', 96', 3109', 80', 94'. Attempt to break formation unsuccessful. Bottom cups on RBP allowing upward movement of fluid from bottom zone to push acid off perforations. RIH with 4" select fire gun and perforate 12, .50" holes at 2874', 86', 2943', 69', 85', 3004', 24', 59', 76', 3100', 84', 90'. RIH w/tbg & RTTS to 3117' & pump 500 gals HCL, set RTTS, and break bottom 4 perforations at 4000 psi. POOH with tbg & RTTS. Run 1500 gal HCL spearhead w/55 gals each of corrosion & scale preventor. Frac down csg w/104,880 gals of gelled 1% KCL carrying 122,500#'s 20/40 sand, tailed in w/38,000#'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 2250, av psi 2100, max rate 90.8 BPM, av rate 90BPM, ISIP 1090 psi, 15 min SIP 810 psi, shut in 3:38 PM 11/30/83. Start flow back 12:00 midnight.

12/2/83 RIH w/overshot & tbg, wash sand from top of RBP, POOH w/RBP. RIH w/SN & 2 7/8" production tbg to 3237' & hang in tbg slips. Plumb in well head prepair to run rods shut down allowing well to flow back before running rods in AM.

12/3/83 Run pump, 2 1/2"x2"x16' composition ring, run rods, Norris type 90, 86-3/4", 43-7/8" rods, finish plumbing in well head, set pump jack, start pumping 5:00 PM 12/2/83 pumping back load water 300 bbls.