



P. O. Box 2055 • Telephone (505) 623-3131 • Roswell, New Mexico 88201

AMOCO STATE #1 660' FSL & 660' FWL, Section 28, T-16S, R-33E, Lea County, New Mexico Elevation 4218.2 GR.

- 11/27/76 Circ. for DST #1, depth 10,761, Lime & Shale, Mud Wt. 8.8, Visc. 38, W.L. 8.
- 11/28/76 Pulling DST #1 at 10,761', tested from 10,695 to 10,761, 2 open with a weak blow, increasing to strong blow, choke blow press. increased 18 lbs., open choke $\frac{1}{4}$ " press. dropped to 1 lb. in $1\frac{1}{2}$ hrs., gas to surface in 1 hr. & 5 min. in the second flow, Initial Hydrostatic 4985, 30 min. preflow, Initial press. 128 lbs., final press. 171 lbs., 120 min. initial shut in press. 2928, 120 min. final flow, initial press. 128 lbs., final press. 214 lbs., 300 min. final shut in 2923, final hydrostatic 4985, bottom hole temp. 139° , recovered 708' of gas & oil cut drlg. mud, Sample chamber 125 lbs., recovered .225 cubic ft. of gas & 1200 cc of slightly mud cut oil, Preparing for DST #2 from 10,752 to 10835.
- 11/29/76 Trip for DST #2, depth 10,836, Lime & Shale, Mud Wt. 8.8, Visc. 40, W.L. 8,
- 11/30/76 DST #2, testing from 10,751 to 10,836, depth 10,836, Lime & Shale, Mud Wt. 8.8, Visc. 40, W.L. 8, Tool opened with a weak blow increasing to a strong blow with choke closed, open choke to $\frac{1}{2}$ " after intial flow and gas surfaced in 36 min., on second flow open choke on $\frac{1}{4}$ " & press. increased slowly from 0 to 27 lbs. in 2 hrs., Initial hydrostatic press. 5,034, 30 min. preflow, initial 116 final 231, 120 min. initial shut in 3301, 120 min. initial flow 231, final 462, 240 min. final shut in press. 2868, final hydrostatic 5,034, temperature 139° , total recovery 1312' of total fluid with 1212' of very heavy oil & gas cut mud, 100' free oil, sampler 350 psi, $1\frac{1}{2}$ cubic feet of gas, 1300 cc oil, no water.
- 12/5/76 Circ. for DST #3, depth 11,600, 145' of progress, Mud Wt. 9.1, Visc. 40, W.L. 8, DST #3, tested from 11,412 to 11,600, Tool open with a very weak blow increasing to a stong blow, with choke closed pressure built to 12 lbs., open choke on $\frac{1}{4}$ " & pressure decreased to 0 in 15 min. Gas to surface in 1 hr. & 5 min., recovered 295' of oil & gas cut drlg. mud, Initial hydrostatic 5,556 lbs., 30 min. preflow initial 161, final 161, 180 min. initial shut in press. 5,397, 120 min. flow initial 184 final 207, 300 min. final shut in press. 5,397, final hydrostatic 5,579, bottom hole temperature 144° , bottom hole sampler 100 psi, .109 cubic ft. of gas, 500 cc oil, 200 cc mud.
- 12/6/76 Pulling DST #3, depth 11,600, Mud Wt. 9.1, Visc. 40, W.L. 8, Totco 11,600' $2\frac{1}{4}$.
- 12/18/76 Trip in for DST #4, depth 12,984, Lime & Shale, 74' of progress, Mud Wt. 9.7, Visc. 42, W.L. 9.2, F.C. 1/32, DST #4 - tested from 12,728 to 12984, Initial Hydrostatic 6510, 30 min. preflow, Initial 323, final 416, 120 min. flow, Initial shut in 5920, 60 min. flow Initial 623, Final 970, 70 min. flow final shut in 5989, final hydrostatic 6623, bottom hole temperature 152° , recovered 6204' of gas cut mud, sampler 1450 cc gas cut mud, no gas, press. 300 psi, packers failed on final shut in.
- 12/20/76 DST #5, depth 13,038, Lime & Shale, & Sand, 33' of progress, Mud Wt. 9.8, Visc. 45, W.L. 6.5, F.C. 1/32, testing from 12,937 to 13,037.
- 12/21/76 T.D. 13,038, Circulate condition mud, pull packer loose on DST #5, well started kicking, dropped bar & opened circulating sub, started circulating & conditioning mud & raising mud Wt., Mud Wt. 10.3, Visc. 44, W.L. 8.8,

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JAN 18 1977

OIL CONCENTRATION COMM.
HOBBS, N. M.