

Amoco "A" State No. 1 ^W
SW Vacuum Abo, 1980' FS & ~~EL~~, Sec. 18, T-18-S, R-35-E
Lea County, New Mexico
State Lease # L-1056

Energy Reserves Group, Inc.

Drilling Report of DST's

- 7/17/78 TD 5122' (112') Dolo. On DST #1, tstg 5075' - 5122'. Had drlg break 5086' - 92' with gas show, fluorescence and oil stain in samples. Tool open 7:00 a.m. with very slight blow. Now taking shut in for Initial Shut In Bottom Hole Pressure.
- 7/18/78 Drlg 5196' (74') Dolo & Lm; 3¼ deg @ 5149'. DST #1 5075' - 5122' Grayberg. Rec 60' drlg fluid. Sample Chamber contained 3000 cc drlg fluid with no show oil or gas. Initial Hydrostatic Pressure 2333 psi; Initial one hr Shut In Pressure 2333 psi. Two hr Flow Pressure 79 psi; Final one hr Shut In Pressure 2294 psi. Final Hydrostatic Pressure 2333 psi.
- 7/26/78 Drlg 6594' (64') Dolo. DST #2, Delaware Sd: 6423' - 6530'. Tool open 75 min. Rec 270' drlg fluid. NS oil or gas. 15 min IFP 61-80 psi. 60 min ISIP 2366 psi. 60 min FFP 90-99 psi. 120 min Final SIP 2300 psi. Initial and Final Hydrostatic Pressure 2907 psi. Sample Chamber contained 2400 cc drlg fluid at 60 psi.
- 8/9/78 Drlg 8563' (12') Dolo & Sd. DST #3, Leonard Dolo, 8439' - 8551'. Good blow of air at 4 oz pressure during 5 min pre-flow period. Good blow at 1½-2 psi throughout 60 min flow period. Rec 1523' gas cut drlg fluid and water with trace of oil. Chlorides in water 82,000 ppm; IHP 4331 psi. IFP 122-285 psi 5 min. ISIP 3376 psi 60 min. FFP 323-889 psi 60 min. FSIP 3351 psi 120 min. FHP 3854 psi. Sample Chamber contained 1.59 cu ft gas at 550 psi with trace of oil and 1950 cc water, chlorides 66,000 ppm. Mud 8.6#, vis 34 sec, wl 20 cc, ph 9.5. Chlorides 4800 ppm.
- 8/15/78 Drlg 9266' (10') Sd & Sh. Mud 8.7#, vis 36 sec, wl 18 cc, ph 9.5, 3½ deg @ 9250'. Open Hole DST #4, 9152' - 9256', Leonard Sd. Opened 15 min initial flow. Few bubbles top of bucket. SI 60 min for ISIP. Open 45 min Final Flow, slight blow. SI 90 min for FSIP. Rec 20' drlg fluid. NS oil or gas. Sample Chamber had 1680 cc drlg fluid with few specks of oil. IHMP 3837 spi, IFP 39 psi, ISIP 238 psi, FFP 39 to 58 psi, FSIP 200 psi, FHMP 3837 psi.
- 8/20/78 TD 9486' Prep to P&A. Ran DST #5, Queen Ds, with straddle pkrs set @ 4336-4412. Tool open at 3:00 p.m. Pkrs slid down hole 6'. Closed tool and reinflated pkrs. Reopened tool at 4:00 p.m. Had immediate weak blow of air diminishing throughout 1 hr open period. SI 2 hrs. Rec 60' of mud. NS oil or gas. Charts showed that tool opened only momentarily. Sample Chamber contained 100 cc of drlg mud with NS.