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DRILL STEM TEST

Pyro ABK State #2, LG-3818
Unit C, Section 33, T13S-R33E
Lea County, New Mexico

DST #1 9206-9247' (41') WOLFCAMP: TO 10"; SI 60"; TO 90"; SI 180". First open - 4" on bubble bucket with very weak blow. Second open - 4" on bubble bucket with very weak blow, bubbles only. RECOVERY: 5' free oil (API 30 deg, dark green), 20' drilling fluid and 332' formation water (Total 357' fluid). SAMPLER: 1960 cc water and 20 cc oil (distillate, light yellow), 0.2 cu.ft. gas at 180 psi. BHT: Top - 140 degrees; Bottom - 142 degrees. PRESSURES: (Bottom) IHP 4091, IFP 206-206, ISIP 3474, FFP 218-254, FSIP 3010, FHP 4091.

DST #2 - misrun

DST #3 9762-9832' (70') BOUGH "C": TO 30"; SI 120"; TO 60"; SI 180". First open - opened tool with weak blow, 3" in bubble bucket. After 5 minutes increased to good blow on 1/4" choke. In 12 minutes pressure increasing. GTS in 27 minutes, lit flare of 8'. Second open - re-opened tool on 1/4" choke with 3' flare. Pressure increasing to 5' flare. After 20 minutes stabilized at 6' flare and stayed throughout. RECOVERY: Total 2367', 526' oil and gas cut drilling fluid + 1841' formation water. SAMPLER: Total 2350 cc, 2300 cc water + 50 cc oil, 0.2335 cu.ft. gas at 225 psi. BHT: 144 degrees. PRESSURES: (Bottom) IHP 4615, IFP 479-610, ISIP 1801, FFP 567-1261, FSIP 1786, FHP 4615.