

EDDY COUNTY, NEW MEXI

DST No. 2 (8408' - 8453') (45') THIRD BONE SPRINGS
January 10, 1990

Initial flow: (30 minutes) Open with strong bubbles, had 1 psig in 3 minutes, at the end of 30 minute flow period had 8 1/4 psig through bubble hose

Initial Shut-in: (2 hours)

Second flow: (2 hours) Open with 8 psig blowing to bottom of bucket, had 11 psig in 9 minutes. Gas to surface in 15 minutes, switched over to a 1/4" choke to pit and flowed for 1 hour and 45 minutes, beginning flow rate 11 psig (estimated 32 MCF/day) at end of flow period had bled to 4 psig (estimated 18 MCF/Day).

Final Shut-in: (8 hours and 15 minutes).

DRILL PIPE RECOVERY

Recovered 130' of oil and 140' of drilling fluid. No water.

Top sample: All oil

Middle sample: Resistivity .38 at 64°, chlorides 28,000 ppm

Bottom sample: Resistivity .35 at 64°, chlorides 26,000 ppm

SAMPLE CHAMBER RECOVERY

65 psig. Recovered 400 cc oil, 200 cc drilling fluid. Gas too small to measure.

Gravity of oil 41°, Resistivity .35 at 65°, chlorides 26,000.

Pit sample: Resistivity .35 at 65°, chlorides 26,000 ppm

PRESSURES (FIELD)

| | TOP | BOTTOM | TIME |
|---------------------|--------------|--------------|---------------|
| INITIAL HYDROSTATIC | 3710 psig | 3776 psig | |
| INITIAL FLOW | 40 - 40 psig | 69 - 69 psig | (30 minutes) |
| INITIAL SHUT-IN | 2315 psig | 2412 psig | (120 minutes) |
| FINAL FLOW | 40 - 40 psig | 69 - 92 psig | (120 minutes) |
| FINAL SHUT-IN | 3359 psig | 3753 psig | (495 minutes) |
| FINAL HYDROSTATIC | 3710 psig | 3753 psig | |

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Questionable data
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1/10/90