NM-B-#2
TD1823'
July 6, 1973 (26 Days)

GAS ANALYSIS:

| Gas Components | Vermejo Formation | Raton Formation |
|---|---|---|
| Carbon Dioxide | 3.80 | 7.33 |
| Hydrogen Sulfide | 0 | 0 |
| Nitrogen | 0.08 | 0.08 |
| Methane | 38.72 | 51.41 |
| Ethene | 4.65 | 3.12 |
| Propane | 52.53 | 37.90 |
| I-Butane | 0.18 | 0.13 |
| N-Butane | 0.02 | 0.01 |
| I-Pentane | 0.01 | 0.01 |
| N-Pentane | 0.01 | 0.01 |
| Hexane | 0 | 0 |
| BTU | 1801 | 1528 |
| Specified Gravity | 1.010 | 1.125 |

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COLFAX COUNTY, NEW MEXICO
NM-B-#2
TD 1823'
July 9th, 1973 (29 Days)
Take well pressures, Gage flow tests, preparing to Sandwater Frac 1634'to16

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NM-B-#2
TD 1823'

July 10, 1973 (30 Days)
Shut in 141 hrs. SIP 505 psig. Flowed thru 1/2" positiive choke.
Gaged gas with pitot tube with water manometer. 1 hr. readings as follows:

| Time | Tube pressure | Flow Rate | Remarks |
|---|---|---|---|
| 1 Hr. | 30 psig | 266 mcf | No fluid,gas dry,stea flow |
| 2 Hrs. | 21 psig | 214 mcf | " " " " " |
| 3 Hrs. | 14.5 psig | 175 mcf | " " " " " gas will burn. |

Shut well in preparing to sand water frac today.

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NM-B-#2
TD 1823'

July 10th 1973 (30 Days)
Well shut in 16 Hrs. SIP 460 psig. Wait 6-1/2 Hrs. for frac equipment to arrive. Gauge gas at 124 mcf. Loaded tubing with 2% Potassium Chloride wate with Morflo. Tried to circulate annulus formation taking fluid, could not circulate. Sand-water fracture performation from 1634' to 1637'. Frac consisted of: (1) Pad 2000 gal. additives, 2% Potassium Chloride Morflo 1 per 1000 gal., friction reducer 4 lbs. per 1000 gal. (2) Water 9800 gal, additives 2% Potassium Chloride, friction reducer 4 lbs. per 1000 gal. Morf 1 gal. per 1000 gal. in 1st 3000 gal. Howco suds 1 gal. per 1000 gal. in la 5000 gals. (3) Sand 10,000 lbs. 20-40 (4) Flush 405 Gals. additives Potass Chlordie friction reducer and Howco suds. (5) Breakdown Pressure - none. Pump in at 1600 psig (6) Average treating pressure - 1400 psig (7) Average injection rate - 9.5 bbls per min. (8) Hydraulic Horse Power - 326 (9) In stanious shut-in pressure 800 psig, 5 min. SIP; 600 psig, 10 min SIP; 510 p 15 min. SIP; 425 Psig, 30 min SIP. 330 PSIG. Total amount of fluid to recov 324 bbls. Shut well in overnight.