

Robert L. Bayless  
Moseley #1  
1470' FSL & 1645' FWL  
Section 2-T30N-R12W  
San Juan County, New Mexico

### MORNING REPORTS

5/28/94

Move Polanco Brothers Well Service on location and rig up. Put on well head and nipple up BOP. Tally tubing and trip in hole with 4 3/4" bit and tag cement at 2201 ft. Clean out to 2205 ft and circulate hole with 2% KCL water. Rig up Western and pressure test to 3500 PSI, held ok. Move tubing to 2114 ft and spot 250 gallons of 7.5% HCL acid. Trip out of hole. Rig up Blue Jet and run GR/CLL log from 2205 ft to 1650 ft. Make three perforating gun runs with 4" casing gun, shooting 4 holes per foot with .50" shots, as follows:

1976 to 1979 ft	3 ft	12 holes
1986 to 1988 ft	2 ft	8 holes
2028 to 2032 ft	4 ft	16 holes
2088 to 2114 ft	<u>26 ft</u>	<u>104 holes</u>
	35 ft	140 holes

Rig up Western Co. and break down perfs at 900 PSI. Pump into perfs at 12 BPM with 1000 PSI. Shut down, ISDP=650 PSI. Start acid job at 3.5 BPM with 900 PSI. Increase rate to 10.5 BPM after dropping 210 RCN ball sealers, pressure increased to 1020 PSI. Pressure climbed to 1700 PSI when balls hit, breaking back to 1100 PSI at 8.5 BPM. Balls continued to break back to 950 PSI at 8.2 BPM. Shut down, ISDP=7780 PSI. Run junk basket, recover 28 balls on first run, 2 more on second run. Rig up Western to fracture Fruitland Coal with 121,000 lbs of sand and 51600 gals of 70 Quality foam at 35 BPM as follows:

Pad	5000 gal	0 lbs sand	1625 PSI
1 lb/gal	8000 gal	8000 lbs 40/70	1665 PSI
Spacer	5000 gal	0 lbs sand	1685 PSI
1 lb/gal	5000 gal	5000 lbs 20/40	1680 PSI
2 lb/gal	6000 gal	12000 lbs 20/40	1710 PSI
3 lb/gal	10000 gal	30000 lbs 20/40	1755 PSI
4 lb/gal	7000 gal	28000 lbs 20/40	1785 PSI
5 lb/gal	7600 gal	38000 lbs 20/40	1800 PSI
<u>Flush</u>	<u>2000 gal</u>		<u>1750 PSI</u>
	53600 gal	121000 lbs sand	

ISDP=1400 PSI, 5 min=1370 PSI, 10 min=1360 PSI, 15 min=1350 PSI, 20 min=1340 PSI, 25 min=1330 PSI. Shut well in and rig down Western Co. Job complete at 5:00 pm. Leave well shut in for 4 hours, casing pressure at 940 PSI. Open well to pit for cleanup.