

Ruth #1**Sec 8 - T31N-R10W****30-045-29145**

MIRUSU 2-28-95. Pressure test casing to 3000 psi, held. Ran CBL to 2868 ft. Perforate Pictured Cliffs with 1 JSPF, .340" diameter, 10 total shots: 2760-2761, 2762-2763, 2764-2765, 2766-2767, 2768-2769, 2770-2771, 2798-2799, 2800-2801, 2802-2803, 2804-2805.

Frac Pictured Cliffs 2760' to 2805' with 44,700 lbs of 16/30 sand; 409,550 scf N2, 70% foam quality, avg rate 32 bpm, avg pressure 1543 psi. ISIP 1340 psi.

Clean out to 2868. Set CIBP at 2758'. Pressure test to 3500 psi, held.

Perforate Fruitland Coal with 4 JSPF, .340" diameter, 84 total shots, 3.125" gun, 120 deg phasing, 12 gms: 2540-2548, 2733-2740, 2750-2756.

Frac Fruitland Coal 2540-2756' with 21,300 lbs 20/40 sand and 30,200 lbs 20/40 resin coated sand; 233,015 scf N2, avg rate 25 bpm, avg pressure 2366 psi. ISIP 3600 psi.

Clean out and drilled out CIBP at 2758'. Clean out to 2985'. Landed 2.375" tubing at 2803 ft. RDMOSU 3-21-95.