

ENWEST
DIVERSE FEDERAL NO. 1
900' FSL & 660' FEL, SEC. 14,
T26S-R29E, EDDY COUNTY, NEW MEXICO

2-16-2000

3:00 P.M. Dowell on location gelling up lease oil. Started oil frac @ 4:00 p.m., fractured Ramsey Formation open hole from 3115.73' to 3128.77' (13.04') GL w/6162 gal. (153bbls) gelled lease oil & 6000# sand (4000# 20-40 and 2000# 16-30 sand).

1. Pumped 2000 gal (48bbls) pad, formation broke @ 2000 psi, avg rate 4bpm @ 1067 psi

2. Started 2000 gal (48bbls) w/1# 20-40 sand pumped 756 gal (18bbls) w/ 1# sand when gel became too viscous to pump, avg. rate 2.8 bpm 2 1000# SD @ 4:45 p.m. and waited for chemical to be delivered to thin gel, 8:30 p.m. chemical delivered to thin gel, mixed 5 gal. Chemical & rolled frac tank 30 minutes, gel was thin enough to pump. 9:05 p.m. Resumed pumping 4 bpm @ 1200 psi.

3. Pumped 1000 gal. w/2# 20-40 sand, rate 3 ½ bpm @ 1200 psi total sand 4008#.

4. Pumped 1000 gal. w/2# 16-30 sand, rate 2 ½ bpm @ 1025 psi total sand 6120#.

5. Flushed w/609 gal. (14.5bbls) rate 2 bpm @ 1050 psi., flushed 9:48 p.m.
10:40 p.m. ISTP 737#, 5 min. SI 680#, 15 min. SI 525#.

2-17-2000

5:00 P.M. 2-16-2000 set ½" choke 200#, steady drip to tank , 2 – 3bbls.

8:00 A.M. well dead, shut in building up pressure.

2-18-2000

3:00 P.M. Moved in and rigged up Reliable swab unit, started swabbing. BFL surface swab down to 1250' on 1st run. Swab to 1500' on 2nd & 3rd run. Stuck on 4th run pulled free, cleaned swab mandrel and waited 15 min. for sand to fall. On 5th run swab would not fall below 1400', recovered no fluid, tubing plugged. Rigged down and released swab unit, shut in well @ 4:30 p.m.

2-21-2000

Waiting on pulling unit. Will set used pump at 1200' with pumping rate of 40bbls / day and evaluate.

2-22-2000

Waiting on pulling unit.