

ATTACHMENT TO WELL COMPLETION

Federal "F" #2
Lea County, New Mexico

NEW MEXICO COMMISSION

3. 12. 1982 88240

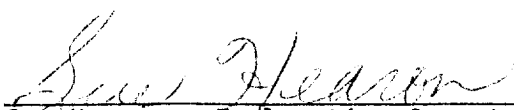
Depth Interval

4090'-4151' 12/08/82 Western Co. acidized w/3000 gal. 15% NE-FE HCl acid w/15 gal. XR-2L + 3 gal. I-10B and flushed w/18 bbls. KCl water. Avg. inj. rate 5.6, Avg. pressure 3200#, Max. pressure 3800#, ISIP 900#, 5 min. 600#.

12/09/82 Western Co. acidized w/3000 gal. 15% NE-FE acid. Avg. inj. rate 5.2 BPM @ 3000#. Max. pressure 6400. Frac'd w/40,000 gal. Minmax III-30 + 24,000# 20/40 sand and 56,000# 12/20 sand. Flushed w/64 bbls. KCl water. Avg. inj. rate 32 BPM @ 2200#. Max. Inj. rate 34 BPM @ 2500#, Min. pressure 1800#. ISIP 1600#, 10 min. 1300#.

3881'-3916' 12/16/82 Acidized w/3000 gal. 15% NE-FE acid. AIR 6 BPM @ 3200#, max. pressure 7100#, min. pressure 3000# ISIP 1400#, 15 min. 800#.

12/17/82 Frac'd w/23,000 gal. Mini-Max III-30 w/32,000# 12/20 sand and 12,000# 20/40 sand in two stages. Flushed w/66 bbls. KCl water. AIR 31 BPM @ 2500#. Min. pressure 2100#, Max. pressure 3000#. ISIP 2000#, 10 min. 1750#.



Sue Hearon - Exploration Secretary

12/22/82

RECEIVED

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