

4/75 - 13-3/8" casing set @ 452', cemented with 475 sacks, cement circulated.

17-1/2"
Hole

PETROLEUM DEVELOPMENT CORPORATION
McKay-West Federal #1
SE NW Sec. 34-18S-32E
Lea County, New Mexico

EXHIBIT "A"

12-1/4"
Hole

Top of cement @ 2700'

Top of cement @ 3590'

27/75 - 9-5/8" casing set @ 4600', cemented with 475 sacks, top of cement @ 2700'.

8-3/4"
Hole

DV Tool @ 7355'

Top of cement @ 8100'

2-3/8" EUE Bone Spring tubing @ 8700' (1.995" ID)

Baker Model Dual Packer @ 8700'

7/09/75 - Perforated 8788-8797' with 2 JHPF. Acidized with 1000 gallons 15% Acid, swabbed 30 barrels of oil per day.

6/28/75 - Perforated 9180-9204' & 9220-9230' with 2 JHPF. Acidized with 4,000 gallons 15% Acid, swabbed 50 barrels of oil per day & 90 barrels of water per day.

7/12/75 - Perforated 9886-9902' with 2 JHPF. Acidized with 1000 gallons 15% Acid, flowed 178 barrels of oil per day & 41 barrels of water per day & 274 MCFPD. Gas-Oil Ratio 1540.

DV Tool @ 10,484'

Top of cement @ 11,000'

Centralizers located at: 13,030, 12,842, 12,756, 12,632, 10,450, 10,408, 9,936, 9,854, 9,772, 9,249, 9,164, 8,834, 8,749, 7,166, 7,086, 4,970, 4,884

2-3/8" EUE Morrow tubing @ 12,636' (1.995" ID)

Baker Lok-Set Packer @ 12,636'

5/29/75 - Perforated 12,719-26, 12,758-12,766, 12,794-12,802, 12,804-12,807 & 12,814-12,824' with 2 JHPF. Acidized with 6000 gallons MS Acid. Fractured treated with 30,000 gallons MS Acid & 8500# of frac sand. 6/17/75 - 4-Point CAOF - 7,007 MCFPD.

5/08/75 - 7" casing set @ 13,049', cemented in 3 stages: 1st stage @ 13,049' with 385 sacks, top of cement @ 11,000'; 2nd stage through DV tool @ 10,484' with 340 sacks, top of cement @ 8100'; 3rd stage through DV tool @ 7355' with 475 sacks, top of cement @ 3590'. Tested 7" to 5500 psi

PBTD 13,009

TD 13,000