BEFORE EXAMINER STOGNER
OIL CONSERVATION DIVISION
Apollo EXHIBIT NO. 1
CASE NO. 9043

APOLLO OIL COMPANY

P. O. BOX 1737
HOBBS, NEW MEXICO 88240
505 397-4611

May 12, 1986

BEFORE EXAMINER STOGNER
OIL CONSERVATION DIVISION
EXHIBIT NO.
CASE NO.

Re: State 'E' Tract 17, Well #5
Unit Letter P, Section 1-17S-36E, Lea County, N.M.
Reclassify for Section 102 New Reservoir

Oil Conservation Division
Box 2088
Santa Fe, N.M. 87504-2088

Attn: Mike Stogner

Dear Sir:

The Lovington Queen reservoir is comprised of three wells. The original well being a Sunray DX Oil Company, N.M. State 'AL' Lease, Unit Letter I, Section 14-17S-36E, Lea County, New Mexico. This well was spudded 5-9-63 and completed 8-13-63. The top of the Queen is shown to be at 4290'. This well has offset production in the neighboring section to the southeast, in the Spencer pool. Read and Stevens recompleted this well in the Queen formation 10-19-73. It was perforated at 4300'-4312' with 2/spf, acidized with 1,000 gallons 15% acid and frac'd with 32,000# of sand. The potential for 320 thousand cubic feet per day and 9 B/O per day on a 41/64 choke, flowing tubing pressure is 75#. Recompletion data is included.

The Getty Oil Company State 'BL' Well #1, Unit Letter P, Section 11-17S-36E, Lea County, N.M. was spudded 1-11-77, completed 4-3-77, total depth of 4182', top of the pay is 4145'. The well was treated with 1000 gallons of acid and frac'd with 14,000# of sand. Well potential is 155 thousand cubic feet per day with 24/64" choke. Completion data is included.

The third well in this reservoir is the Amoco State 'E' Tract 17, Well #5, Unit Letter P, Section 1-17S-36E, Lea County, New Mexico. Spud date is 10-31-39, recompletion date is 9-21-76. The total depth 4977', top of Queen pay 3901'. Potential for 122 thousand cubic feet per day on a 16/64" choke. Completion data is submitted.

Included in this report is an analysis certificate from these three wells clearly showing the difference in each. Also included are sub-surface logs and contour maps proving the types of traps existing in this reservoir to be stratographic caused by porosity pinch-out

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due to salt filing pore spaces on the higher parts of the structure. You will note the tops of these zones in the Queen formation differ widely. Also, the analysis certificates substantiate the change in the Queen reservoir.

Yours truly,

Alan W. Ralston

AWR:md
Attachments

cc: File

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