

*Case 1829*

LAW OFFICES  
HERVEY, DOW & HINKLE  
HINKLE BUILDING  
ROSWELL, NEW MEXICO

J. M. HERVEY 1874-1953  
HIRAM M. DOW  
CLARENCE E. HINKLE  
W. E. BONDURANT, JR.  
GEORGE H. HUNKER, JR.  
HOWARD C. BRATTON  
S. B. CHRISTY IV  
LEWIS C. COX, JR.  
PAUL W. EATON, JR.  
ROBERT C. BLEDSOE

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November 5, 1959

*Set for hearing*

Mr. A. L. Porter, Jr.  
Secretary-Director  
New Mexico Oil Conservation Commission  
P. O. Box 871  
Santa Fe, New Mexico

Dear Mr. Porter:

Enclosed herewith please find three copies of an Application by Atlantic Refining Company for an exception to Rule 104(c) as to certain wells in the Denton Pool.

Please schedule the enclosed Application for hearing before an Examiner at the earliest available date. Atlantic already has one case scheduled for hearing before an Examiner on November 24, and if the enclosed Application could be heard that same date it would be appreciated.

Very truly yours,

HERVEY, DOW & HINKLE

By *Howard C. Bratton*

HCB:db  
Enclosure

- cc: Mr. A. B. Tanco  
The Atlantic Refining Company  
P. O. Box 2819  
Dallas, Texas
- cc: Mr. Phil Tomlinson  
The Atlantic Refining Company  
P. O. Box 6640  
Roswell, New Mexico

*Packet  
mailed  
11-30-59*

CHRONOLOGICAL HISTORY OF ATLANTIC OIL FIELD COMPANY'S  
FEDERAL JONES NO. 2  
DENTON (DEVONIAN) POOL

Atlantic's Federal Jones No. 2 is located 330' FSL and 330' FEL of Section 34, T-14S, R-37E, NN4PM. It was spudded on June 24, 1952. Surface pipe is set at 324.8' with 350 sacks of cement. Cement circulated to surface. Intermediate casing of 9-5/8" is set at 4753.77' with 3000 sacks of cement. Top of cement is at 1970', behind 9-5/8" casing. Seven inch casing is set at 12,536' with 750 sacks of cement. Top of cement is at 8310'.

Original completion interval 12,536' to 12,600', open hole. The initial potential was 1436 BOPD with no water. It was completed on January 1, 1953. Drilling and completing costs were \$379,969.

On March 2, 1954, a workover was started to plug well back 10' to 12,590' in an effort to shut-off water. Water production at that time was in excess of 70%. Well was plugged back to 12,591' but results were unsuccessful. Cost of workover was \$6,621.

On April 2, 1954, a workover to squeeze open hole with diesel-oil cement and perforate from 12,468-518' was commenced. This workover was completed on April 14, 1954. The well produced 236 BOPD with .4% water. This gave only temporary water shut off. On April 30, 1954, another series of cement squeezes and perforations commenced which resulted in a completion interval of 12,468'-12,513' with the well on pump. The well potentialled for 33 BOPD and 77 BOPD on November 23, 1956, immediately after completion of workover. This workover cost \$88,982 including pumping equipment.

On January 14, 1958, work commenced to repair pump and acidize well with 10,000 gallons of acid. This work was completed on February 20, 1958, and the well tested 10 BOPD and about 735 BOPD. Cost of workover was \$6,128.

Other minor workovers consisting of small acid jobs and pump repairs amounted to \$8310.

Cost of setting bridge plug at 11,980' and temporarily abandoning was \$1802. Well was temporarily abandoned on December 18, 1958.

Total drilling, completing, and workover costs	\$491,812
Total Devonian oil production, barrels	141,224

