

OIL CONSERVATION COMMISSION  
HOBBS, NEW MEXICO

TEST DATA

Rowan Oil Co.  
Elliott Fed. "B-13" Well # 1  
E 13-22-37

A. Blinebry Gas Pool Side.

July 24, 1956

11.59 BOPD

4" Run x 1.000" Plate  
21" Differential x 475# Static  
 $Q = 6.135 \times 4.583 \times 22.095 = 621.223$  MCF per 24 hr.

$$GOR = \frac{621.223}{11.59} = 53599 \text{ cu. ft. per barrel.}$$

B. Elinebry Oil Pool side.

July 27, 1956  
(tested @ 1 hr of stbl flow)

0.690 barrel/hr  
16.560 BOPD

4" Run x 1.250" Plate  
41" Differential x 16# Static C.720 gas gty.  
 $Q = 9.643 \times 6.403 \times 5.404 = 333.665$  MCF  
 $Q = 333.665 \times 0.9129 = 304.636$  MCF per day corrected

$$GOR = \frac{304.636}{16.560} = 18,396 \text{ cu. ft. per barrel.}$$

$$GOR = \frac{304.636}{17} = 17,920 \text{ cu. ft. per barrel.}$$

C. Blinebry Oil Pool side  
(Gas-Oil Ratio from reported production)

January -- 470 BOPM -- 5178 MCF/M -- GOR = 11017 cu. ft./ bbl.

February - 467 BOPM -- 4915 MCF/M -- GOR = 10525 cu. ft./bbl.

March -- 514 BOPM -- 5487 MCF/M -- GOR = 10675 cu. ft./bbl.

April - 491 BOPM -- 5762 MCF/M -- GOR = 11735 cu. ft./bbl.

May -- 483 BOPM -- 5547 MCF/M -- GOR = 11485 cu. ft./bbl.

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I would like to refer you to a letter regarding this well which I wrote to W. E. Macey on November 4, 1955. I have re-examined order R-610 and I can find nothing to alter the recommendations which I made at that time. I would like to recommend that the entire matter be given a complete examination from the legal standpoint.

Sincerely,

C. M. Rieder  
Engineer

CMR:ef

orig: ALP Santa Fe  
cc: RFM, CMR, well file

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OIL CONSERVATION COMMISSION  
HOBBS, NEW MEXICO

July 30, 1956

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Mr. A. L. Porter, Jr.  
Oil Conservation Commission  
Box 871  
Santa Fe, New Mexico

Dear Mr. Porter:

Reference is made to the Rowan Oil Company, Federal Elliott "B-13" Well No. 1, located in unit E of Section 13, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico.

During the week of July 23, 1956 thru July 27, 1956 a packer-leakage test was conducted on the above well, and in addition, a gas-oil ratio test was performed upon both sides of the completion in conjunction with the packer-leakage test. I personally witnessed these tests, being on location for all data observations and at each time that the flow etc. was changed. As a result of this testing and my witness thereof, it is my opinion that there is no leak in the packer or communication between the two zones indicated. Further, the results of the gas-oil ratio tests indicate that the well would be properly classified as a Blinebry Gas-Blinebry Oil Pool Completion.

In the interest of brevity, it was decided to perform the gas-oil ratio tests during the packer-leakage test, and the test results received for the gas side of the completion seemed more than adequate. The gas-oil ratio for the oil side of the dual completion seemed rather high, and I have suggested to the operator that the gas-oil ratio for the oil side be retaken after the well has reached a stabilized flow rate. The Blinebry Oil side has a producing ratio of 10,5000 to 12,000 cubic feet per barrel as indicated from the reported production of their C-115's.

# OIL CONSERVATION COMMISSION

HOBBS, NEW MEXICO

November 4, 1955

Mr. W. B. Macey  
Oil Conservation Commission  
P. O. Box 871  
Santa Fe, New Mexico

Dear Bill:

Regarding Rowan Oil Company Elliott "B-13" well No. 1, located in Unit E of Section 13 T22S R37E, NMPM, Lea County, this well was dually completed in the Blinebry Pool as a gas well and oil well; the work was performed from June 9, 1954 to July 21, 1954. Oil is being produced from the intervals 5560-92 and 5615-35; gas is being produced from perforations 5450 to 5530 with a hookwall packer set at 5545 to separate the gas production from the oil production. Permission to perform this work was granted April 15, 1954, under Order DC-108, signed by R. R. Spurrier.

This type of completion in general and this well in particular is in violation of Order No. R-610 issued April 11, 1955 as follows:

A. Special Rules and Regulations for the Blinebry Gas Pool

1. Rule 6 specifically forbids the simultaneous dedication of acreage to a Blinebry oil well and a Blinebry gas well.
2. Rule 9 specifically prohibits the dual completion of a well in the Blinebry Oil Pool and the Blinebry Gas Pool

B. Special Rules and Regulations for the Blinebry Oil Pool

1. Rule 6 prohibits simultaneous dedication of acreage to a Blinebry oil well and a Blinebry gas well.
2. Rule 8 prohibits the dual-completion of a well in the Blinebry Gas and Oil Pools.

Nowhere in Order No. R-610 can I find any rule, statement, or regulation which would modify the above-mentioned rules to the extent that a well completed prior to the effective date of R-610 would be exempt from the provisions

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HOBBS, NEW MEXICO

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of the order. Therefore, I feel that the Elliott "B-13" well No. 1 has been producing without proper authority since April 11, 1955. Also the last paragraph in Order DC-108 retains jurisdiction of the Commission for any necessary changes.

I am calling this to your attention by letter since we did not have time to discuss it when you were in Hobbs Wednesday and I feel that some action should be taken as soon as possible. If I may, I would like to suggest that the operator be contacted and requested to voluntarily remove one side of the production from the subject well; and if necessary, a hearing could be called for the operator to show cause why the dual completion should not be cancelled in accordance with the provisions of Order No. R-610.

I shall appreciate it if you will let me have your opinion on this matter, since there may be something which I have overlooked.

Yours sincerely,

OIL CONSERVATION COMMISSION

C. M. Rieder  
Engineer

CMR/hs