

NE XICO OIL CONSERVATION COM. ON

SANTA FE, NEW MEXICO

5-1-61

APPLICATION FOR MULTIPLE COMPLETION

HOBBS OFFICE CCC

Operator Shell Oil Company		County Lea		Date June 26, 1962
Address P. O. Box 1858, Roswell, New Mexico		Lease State JP		Well No. 1
Location of Well Unit C	Section 2	Township 25S	Range 37E	

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES ☒ NO ☐
2. If answer is yes, identify one such instance: Order No. R-2247; Operator, Lease, and Well No.:

Texaco G. L. Erwin "A" Well No. 1

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	North Justis Blinbry	N. Justis Tubb-Drinkard	North Justis Devonian
b. Top and Bottom of Pay Section (Perforations)	5500-5600 (Estimated)	5950-6100 (Estimated)	7050-7150 (Estimated)
c. Type of production (Oil or Gas)	Oil	Oil	Oil
d. Method of Production (Flowing or Artificial Lift)	Flowing	Flowing	Flowing

4. The following are attached. (Please mark YES or NO)

- Yes a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and /or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
- Yes b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
- Yes c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application. \*
- No d. Electrical log of the well or other acceptable log will be submitted with Form C-105 with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

Amerada Petroleum Corporation, P. O. Box 312, Midland, Texas

M. E. Hale Company, c/o Howard L. Holmes, P. O. Box 667, Hobbs, New Mexico

Parker Drilling Company, P. O. Box 1742, Midland, Texas

Skelly Oil Company, P. O. Box 38, Hobbs, New Mexico

Texaco Inc., V & J Tower Building, Midland, Texas

Tidewater Oil Company, P. O. Box 547, Hobbs, New Mexico

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES ☒ NO ☐ . If answer is yes, give date of such notification June 26, 1962

CERTIFICATE: I, the undersigned, state that I am the representative of the Shell Oil Company (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Signature

- \* Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.
- NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in either or both of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

1. The first part of the paper is devoted to the study of the properties of the function  $f(x)$  defined by the equation

$$f(x) = \int_0^x \frac{1}{1+t^2} dt$$

It is well known that this function is increasing and concave down on the interval  $(-\infty, \infty)$ .

2. In the second part, we consider the function  $g(x)$  defined by the equation

$$g(x) = \int_0^x \frac{1}{1+t^2} dt + \int_0^x \frac{1}{1+t^4} dt$$

It is easy to see that this function is also increasing and concave down on the interval  $(-\infty, \infty)$ .

3.

4.

5.

6. The last part of the paper is devoted to the study of the function  $h(x)$  defined by the equation

$$h(x) = \int_0^x \frac{1}{1+t^2} dt + \int_0^x \frac{1}{1+t^4} dt + \int_0^x \frac{1}{1+t^6} dt$$

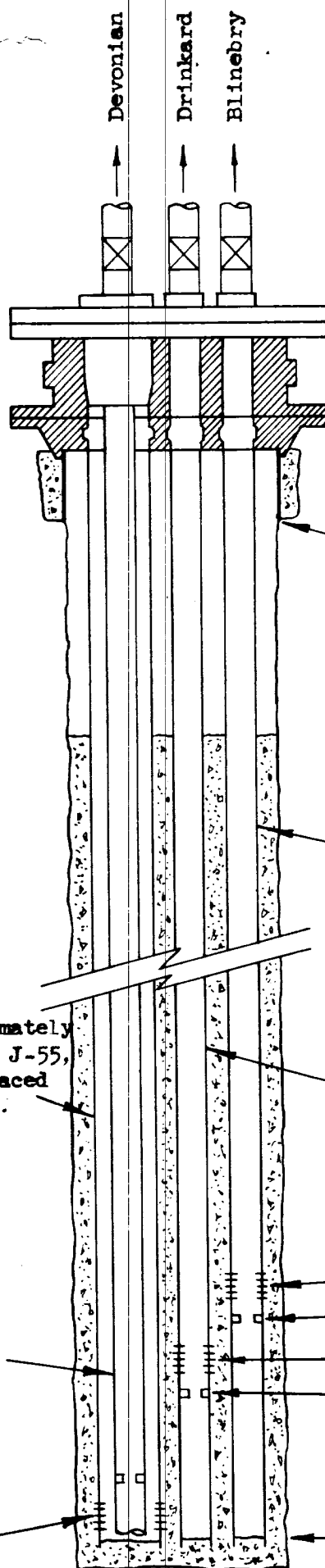
It is easy to see that this function is also increasing and concave down on the interval  $(-\infty, \infty)$ .

7. The function  $h(x)$  is also increasing and concave down on the interval  $(-\infty, \infty)$ .

8. The function  $h(x)$  is also increasing and concave down on the interval  $(-\infty, \infty)$ .

9. The function  $h(x)$  is also increasing and concave down on the interval  $(-\infty, \infty)$ .

Shell State JP #1  
Proposed Triple Completion  
Devonian-Drinkard-Blinebry  
Section 2, T-25-S, R-37-E  
Lea County, New Mexico  
June 26, 1962



10 3/4" 40.5# J-55 Surface  
Casing set at 994'. Cemented  
to Surface.

Cement Top at 2440'.

Blinebry String hung at approxi-  
mately 7200'. 2 7/8", 6.5#, N-80,  
8R, EUE. Turbolizers placed on  
each joint from TD to 5300'.

Devonian Casing hung at approximately  
7200'. 4 1/2", 9.5# and 11.6# J-55,  
8R-R2 Casing. Centralizers placed  
on each joint from TD to 5300'.

Drinkard String hung at approxi-  
mately 7200'. 2 7/8", 6.5#, N-80,  
8R, EUE. Turbolizers placed on  
each joint from TD to 5300'.

2 3/8", O.D., EUE, J-55 Tubing  
Hung at 7150'. SN at 7120'.

Blinebry Perfs. 5500'-5600' (Est.)

D&B Seating Shoe at 5650'.

Drinkard Perfs. (Est.) - 5950-6100'

D&B Seating Shoe at 6150'

Devonian Perfs (Est.)  
7050'-7150'

All three Casing Strings Cemented  
with 900 sacks.

TD - 7200'

