

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

APPLICATION FOR DUAL COMPLETION

Field Name King Field, Devonian & Wolfcamp Pays		County Lea	Date December 11, 1958
Operator Cabot Carbon Company		Lease J. L. REED	Well No. 2
Location of Well A	Unit 35	Township 13 South	Range 37 East

1. Has the New Mexico Oil Conservation Commission heretofore authorized the dual 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-1126-A**; Operator, Lease, and Well No.: **Cabot Carbon Co. H. L. Love "B" #1**

3. The following facts are submitted:	Upper Zone	Lower Zone
a. Name of reservoir	Wolfcamp	Devonian
b. Top and Bottom of Pay Section (Perforations)	9247-9319'	12,068-12,339'
c. Type of production (Oil or Gas)	Oil	Oil
d. Method of Production (Flowing or Artificial Lift)	Flowing	Flowing

4. The following are attached. (Please mark YES or NO)
- Yes a. Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, 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 dual completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*
- Yes d. Electrical log of the well or other acceptable log 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.
- Forrest Oil Corporation, P. O. Box 2066, Midland, Texas
- Kerr-McGee Oil Industries, Inc., Production Dept., P. O. Box 1347, Odessa, Texas
- Gulf Oil Corporation, P. O. Box 669, Roswell, New Mexico
- Atlantic Refining Company, P. O. Box 871, Midland, Texas

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 December 11, 1958 .

CERTIFICATE: I, the undersigned, state that I am the Senior Petroleum Engineer of the Cabot Carbon 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.

Joe M. Waniel, Jr.
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 dual 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.

6. After arrival of dual completion equipment, we propose to set a permanent packer at approximately 9400 feet and a packer at approximately 9200 feet and produce each zone through 1-1/2 inch tubing.

7. We are attaching a plat showing the acreage to be dedicated to the well, well location, offset wells, and offset ownership.

8. Also attached is a diagrammatic sketch showing the proposed mechanical completion of the well.

9. It is the opinion of the applicant that the manner and method proposed for the dual completion of this well is mechanically feasible and practical and is in the interest of conservation and the protection of correlative rights.

10. The applicant will comply with all rules and regulations of the New Mexico Conservation Commission to maintain separation of production from the two producing pay zones.

11. By copy of this letter and Application for Dual Completion all offset operators are notified of the proposed dual completion.

Respectfully submitted,

CABOT CARBON COMPANY



Harvey, Dow & Hinkle
P. O. Box 547
Roswell, New Mexico
(Attorneys for Applicant)

Enclosures: Pool Plat
Diagrammatic Sketch
Electric Log

Copies to: Gulf Oil Corporation
The Atlantic Refining Company
Forrest Oil Corporation
Kerr-McGee Oil Industries, Inc.

CABOT CARBON COMPANY

P.O. BOX 1101 PAMPA, TEXAS



Carbon Black • Oil and Gas • Oil Field Pumping Equipment

December 11, 1958

Re: Application for Permit to Dually Complete as an Oil-Oil Well
Cabot Carbon Company's J. L. Reed Well No. 2, King Devonian and King Wolfcamp Pools, Section 35, Township 13 South, Range 37 East, Lea County, New Mexico

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Gentlemen:

By this letter and the attached Application for Dual Completion, Cabot Carbon Company respectfully requests a hearing to consider this our application for permission to dually complete the J. L. Reed Well No. 2 in such a manner that the Devonian and Wolfcamp reservoirs may be produced through parallel strings of tubing, and in support thereof states as follows:

1. Cabot Carbon Company's J. L. Reed Well No. 2 is located 660 feet from the north and east lines of Section 35, Township 13 South, Range 37 East, Lea County, New Mexico.
2. The subject well has 5-1/2 inch casing set at 12,440 feet and cemented with 300 sacks. Top of cement at 10,000 feet. The well was then drilled to a total depth of 12,590 feet. On November 20, 1956, the open hole Devonian section was potentialled for 312 barrels of 47° API corrected gravity oil in 12 hours on a 23/64 inch choke.
3. Cabot plans to work over this well soon. A bridging plug will be set at 12,435 feet. The Devonian pay will be perforated from 12,068 feet to 12,084 feet and from 12,314 feet to 12,339 feet.
4. We propose to perforate the 5-1/2 inch casing opposite the Wolfcamp formation from 9247 feet to 9290 feet, from 9300 feet to 9309 feet and from 9315 feet to 9319 feet and conduct production tests through straddle packers.
5. If these Wolfcamp intervals are productive, we propose to set a temporary bridging plug at approximately 9400 feet to separate the Devonian and Wolfcamp formations in the well bore. The Wolfcamp interval will be produced until the equipment for dual completion can be obtained.