

Case 1942

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

APPLICATION FOR DUAL COMPLETION

Field Name West Lindrith		County Rio Arriba		Date
Operator Continental Oil Company		Lease Jicarilla		Well No. 28-1
Location of Well	Unit	Section 28	Township 25N	Range 1W

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. _____ ; Operator, Lease, and Well No.:

3. The following facts are submitted:	Upper Zone	Lower Zone
a. Name of reservoir	Gallup	Dakota
b. Top and Bottom of Pay Section (Perforations)	6520 to 6640 6690 to 6860 proposed	7396' to 7450' 7598' to 7617'
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)

- 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.
- 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.
- 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.*
- 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.

El Paso Natural Gas Products Co.

P. O. Box 1565

Farmington, 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 March 29, 1960 .

CERTIFICATE: I, the undersigned, state that I am the attorney of the Continental 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.

William M. Griffith
Signature

*W. Griffith
3-15-60*

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.

Case 1942
Coutt Oil Co.
1755 Glenarm Pl
Legal Dept
Denver 2 Colo.

ADDITIONAL DATA FOR DUAL COMPLETION

The well was drilled to a total depth of 7650' and cased as follows:

1. Surface casing, 10-3/4" at 221', cemented to the surface with 200 sacks cement.
2. Production casing, 7" at 7650', cemented from 7650' to 5670' using 300 sacks regular and 300 sacks stratocrete; also, cemented through a DV collar at 3338' from 3338' to 1448' using 150 sacks cement and 150 sacks stratocrete.

The well was completed in the Dakota Formation through perforations 7396' to 7450' and 7598' to 7617', the top of the Dakota having been encountered at 7395'. The Dakota Formation is characterized by sandstone lenses consisting of very fine to locally coarse grained sand, of low porosity, interbedded with shale. It is considered reasonable that oil or other hydrocarbons in the Dakota is from a common source and therefore, represents a single pool.

The well is now proposed as a dual in the Gallup interval of the Upper Cretaceous Age through perforations, 6520' to 6640' and 6690' to 6860'. The Gallup is separated from the Dakota by a non-porous shale interval of approximately 465'. The total Gallup facies is approximately 430' thick, the top of which occurs at approximately 6428' and the base at approximately 6860'. It is characterized by silty to sandy shale of low porosity and any contained hydrocarbons are considered indigenous to the shale section within which it is encased. For this reason production is considered from a common source and the accumulation represents a single pool.

The mechanics of the proposed dual will allow the Dakota and the Gallup to be produced separately through individual strings of 2-3/8" OD tubing and co-mingling within the well bore will be prevented by this tubing and a drillable Baker Model "D" packer set between the two zones of perforations at approximately 7325'. A sketch of this application is shown on the attached sheet.

DEARNLEY-MEIER REPORTING SERVICE, Inc.

Ada Dearnley, President
Marianna Meier, Secy. Treas.

SUITE 1120 SIMMS BUILDING
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May 25, 1960

Oil Conservation Commission
P. O. Box 371
Santa Fe, New Mexico

Re: Case 1942

Attention: Ida Rodriguez

Dear Ida:

Please forward a copy of case 1942 at your earliest
convenience.

Thanks.

DEARNLEY-MEIER REPORTING SERVICE, INC.

BY Stella Montoya

Mailed May 26, 1960-ij
Returned 6-6-60