

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

APPLICATION FOR DUAL COMPLETION *Case 2617*

Field Name Rattlesnake Pennsylvanian		County San Juan	Date 7-13-62
Operator Continental Oil Company		Lease Rattlesnake	Well No. 1 140
Location of Well H	Unit 11	Township 29N	Range 19W

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 X
2. If answer is yes, identify one such instance: Order No. _____; Operator, Lease, and Well No.:

3. The following facts are submitted:	Upper Zone (Proposed)	Lower Zone
a. Name of reservoir	Organ Rock Formation	Pennsylvanian-Paradox
b. Top and Bottom of Pay Section (Perforations)	4175' - 4320'	6658'-6680'; 6700'-6710' (Present Perforations)
c. Type of production (Oil or Gas)	* See note below	Oil and Gas
d. Method of Production (Flowing or Artificial Lift)	* See note below	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.

Humble Oil and Refining Company, Box 3082, Durango, Colorado

Kern County Land Company, Box 1784, Albuquerque, New Mexico

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X NO _____. If answer is yes, give date of such notification **7-13-62**.

CERTIFICATE: I, the undersigned, state that I am the District Superintendent of the Continental Oil Co. (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.

* The Organ Rock formation is water productive and is proposed for use as a formation for salt water disposal as applied for under rule 701-C.

[Signature]
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.

Case 2617

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSIONAPPLICATION
TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION
NOT PRODUCTIVE OF OIL OR GASOperator Continental Oil Company Address Box 3312, Durango, ColoradoLease Rattlesnake Well No. 140 County San JuanUnit H Section 11 Township 29N Range 19W

This is an application to dispose of salt water produced from the following pool (s):

Rattlesnake PennsylvanianName of Injection Formation(s): Organ RockTop of injection zone: 4170' Bottom of injection zone: 4320'Give operator, lease, well no., and location of any other well in this area using this same
zone for disposal purposes: None

(See attached diagrammatic sketch).

CASING PROGRAM

	Diameter	Setting Depth	Sacks Cement	(Calculated) Top of Cement
Surface	13 3/8"	306	300	Surface
Intermediate	9 5/8"	4512	130 - Stage Collar 375 - Casing shoe	2600' & 500'
Long String	7" liner 4 1/2" liner	4338' - 6532' 7444' - 6728'	380 40	

Will injection be through tubing, casing, or annulus? TubingSize tubing 2 7/8" Setting depth: Approximately 4050' Packer set at Upper: 4000'
Lower: 6400'
Name and Model No. of packer Upper: Baker, Model "K", Retrievable Dual Production type.
Lower: Baker, Model "D" Drillable Retainer type.Will injection be through perforations or open hole? PerforationsProposed interval(s) of injection: 4175'-5185'; 4205'-4215'; 4272'-4282'; 4305'-4315'Well was originally drilled for what purpose? Pennsylvanian Oil ProductionHas well ever been perforated in any zone other than the proposed injection zone? YesList all such perforated intervals and sacks of cement used to seal off or squeeze each:
(These perforations are in the Pennsylvanian reservoir
and will be isolated below 7" packer at 6400')
6658'-6680' & 6700'-6710'Give depth of bottom of next higher zone which produces oil or gas: 922'Give depth of top of next lower zone which produces oil or gas: 6265'Give depth of bottom of deepest fresh water zone in area: Morrison - 1970'Expected volume of salt water to be injected daily (barrels): 1000Will injection be by gravity or pump pressure? Pump Estimated pressure: 0 - 300 psiIs system open or close type? Close Is filtration or chemical treatment necessary? No

Is the water to be disposed of mineralized to such a degree as to be unfit for domestic, stock, irrigation, and/or other general use? Yes

Is any water occurring naturally within the proposed disposal formation mineralized to such a degree as to be unfit for domestic, stock, irrigation, and/or other general use? Yes

List all offset operators to the lease on which this well is located and their mailing address

Humble Oil and Refining Company, Box 3082, Durango, Colorado

Kern County Land Company, Box 1784, Albuquerque, New Mexico

Name and address of surface owner Navajo Tribe, Window Rock, Arizona

Have copies of this application been sent by registered mail or given to all offset operators, surface owners, and to the New Mexico State Engineer? Yes

Is a complete electrical log of this well attached? Yes

Operator: Continental Oil Company

By: H. D. Haley

Title: District Superintendent

STATE OF Colorado)
) ss.
County of La Plata)

BEFORE ME, The undersigned authority, on this day personally appeared H. D. Haley known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein and that said report is true and correct.

SUBSCRIBED AND SWORN TO before me this the 13th day of July, 19 62

Wm. C. Pulley
Notary Public in and for the County of La Plata

March 5, 1963

My Commission Expires

NOTE: Should waiters from all offset operators, the surface owner, and the State Engineer not accompany an application, the New Mexico Oil Conservation Commission will hold the application for a period of fifteen (15) days from date of receipt by the Commission's Santa Fe office. If at the end of said fifteen-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.