



MAIN OFFICE OCC

JAN 14 AM 8:03

# CONTINENTAL OIL COMPANY

P. O. Box 1621  
Durango, Colorado  
January 12, 1966

*Emergency*

New Mexico Oil Conservation Commission  
P. O. Box 20000  
Santa Fe, New Mexico (3)

Attn: Mr. A. E. Forger, Jr.  
Secretary and Director

Enclosure:

Under the provisions of Commission Rule 112-A and Order R-2978, Continental Oil Company requests administrative approval to dual complete and install a downhole reworking assembly in its undersaturated Gallup-Bobata well, Mcaville Apache 2H Well No. 4, Unit E, Section 18, T23N, R4W, Rio Arriba County, New Mexico, and produce the marginal zone simultaneously through a single string of 2 3/8" O.D. tubing. A schematic diagram of the proposed installation is attached. The well has been drilled and cased, but completion in either of the zones has not yet been completed. Attached are data concerning anticipated gravity, value and volume of liquid hydrocarbon from each zone. Production data on offset wells in the area strongly indicate that production from these zones will be marginal. Upon completion of the well, the zones will be tested and actual production data and gravity data will be submitted to the Commission. A packer-leakage test, communication test and a production allocation test by the subtraction method will be conducted upon initial installation. The installation will be operated in accordance with the provisions of Commission Order R-2978 and Rule 112-A of the Commission Rules and Regulations.

A copy of this application has been submitted to the U. S. Geological Survey, Regional Supervisor, requesting approval.

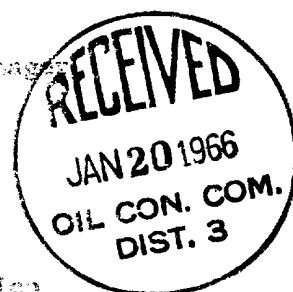
Very truly yours,

*Ben W. Smith*

Ben W. Smith  
Assistant District Manager  
Durango District  
Production Department

QAS/cb  
Att.

cc: U. S. Geological Survey, Roswell, New Mexico  
U. S. Geological Survey, Farmington, New Mexico  
Shell Oil Company, P. O. Box 1588, Farmington, New Mexico



## NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

## APPLICATION FOR DUAL COMPLETION MAIN OFFICE OCC

Field Name <b>Jicarilla - West Lindrith</b>		County <b>Rio Arriba</b>		Date <b>JAN 14 1/12/66</b>
Operator <b>Continental Oil Company</b>		Lease <b>Jicarilla Apache 20</b>		Well No. <b>4</b>
Location of Well <b>K</b>	Unit <b>18</b>	Section <b>25N</b>	Range <b>4W</b>	

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 X NO
2. If answer is yes, identify one such instance: Order No. R-1659 & R-2428-A; Operator, Lease, and Well No.: **Continental Oil Jicarilla Apache 28 Well No. 1 (Also Jicarilla 30 Well No. 3, Administrative Order MC-1681)**

3. The following facts are submitted:	Upper Zone	Lower Zone
a. Name of reservoir	<b>Undesignated Gallup</b>	<b>Undesignated Dakota</b>
b. Top and Bottom of Pay Section (Perforations)	<b>6870'-7210' (Proposed)</b>	<b>7870'-7938' (Proposed)</b>
c. Type of production (Oil or Gas)	<b>Oil &amp; Associated Gas</b>	<b>Oil &amp; Associated Gas</b>
d. Method of Production (Flowing or Artificial Lift)	<b>Plunger Lift</b>	<b>Plunger Lift</b>

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.

**Pan American Petroleum Company, P. O. Box 480, Farmington, New Mexico**

**Southern Union Gas Company, Fidelity Union Tower Bldg., Dallas, Texas**

**Northwest Production Company, 218 N. Campbell, El Paso, Texas**

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 1/12/66.

CERTIFICATE: I, the undersigned, state that I am the Asst. District Manager 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.

**\*\* Offset operators notified and requested to submit waivers directly to the Commission.**

*Bern W. Smith*  
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.

COMINGLING DATA\*

MAIN OFFICE OCC

JICARILLA 20 WELL NO. 4

JAN 14 AM 8:03

PRODUCTION DATA

Dakota (Anticipated stabilized producing rate) - 25 EOPD  
Gallup (Anticipated stabilized producing rate) - 35 EOPD

Top Unit Allowable: Gallup - 124  
Dakota - 164

Gas-Oil Ratio Limitation: 2000 : 1

Crude Purchaser: Shell Pipeline Company, Farmington, New Mexico

Royalty Interest Owner: Jicarilla Apache Tribe

Liquid Hydrocarbon Gravities (Anticipated): Gallup - 44° API  
Dakota - 47° API

Anticipated Commingled Liquid Gravity - 45.7° API

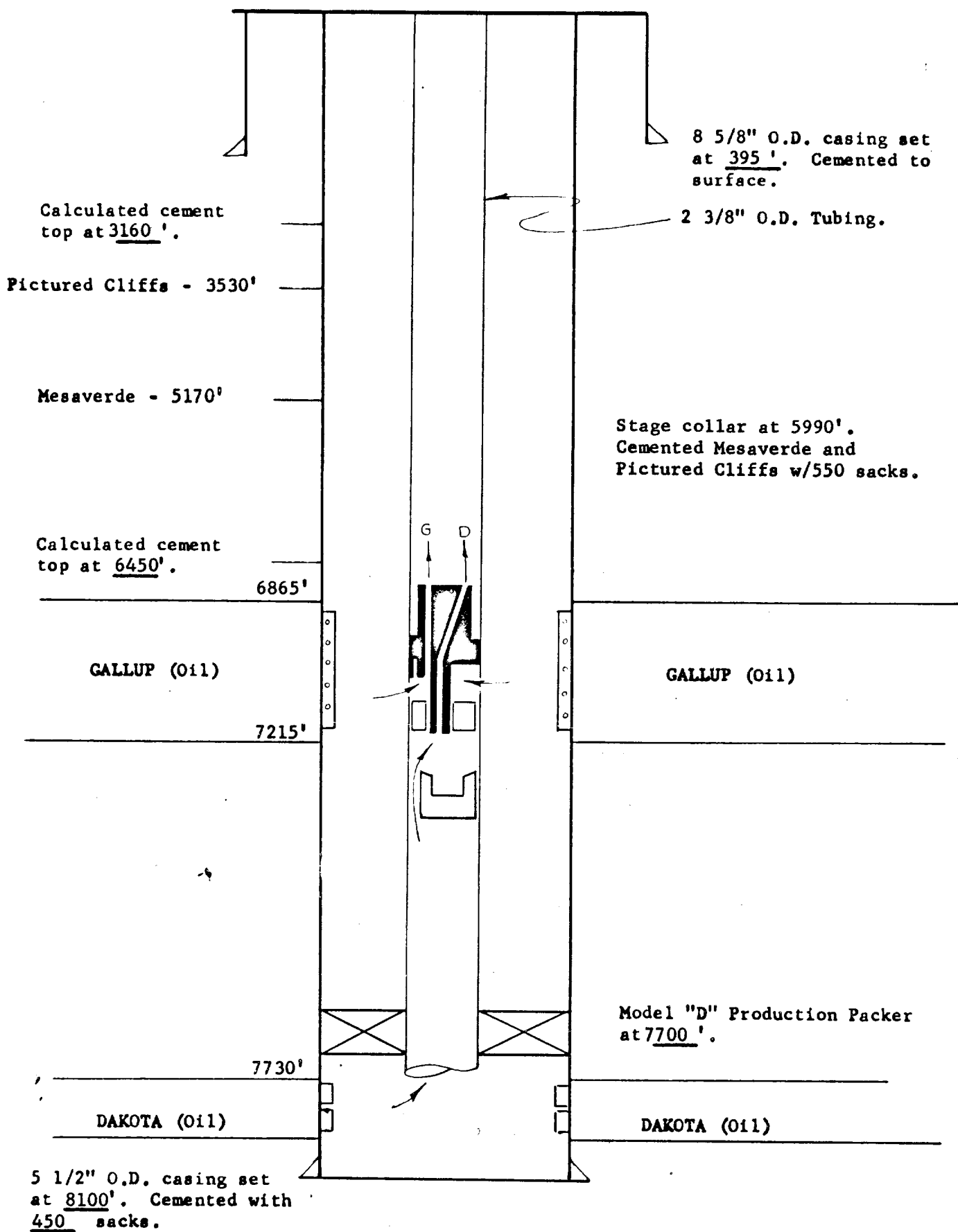
Value of 44° API Gravity = \$2.35/Bbl.

Value of 47° API Gravity = \$2.29/Bbl.

Value of 45.7° API Gravity = \$2.33/Bbl.

The value of the commingled production should not be less than the value of the production from each common source of supply.

\* Zones have not yet been completed and tested; therefore, values and data shown are estimated from data on existing wells in the field. Actual values of data will be submitted upon completion of the zones.



PROPOSED DUAL COMPLETION  
DOWNHOLE COMINGLING INSTALLATION  
JICARILLA APACHE 20 WELL NO. 4  
UNIT K, SECTION 18, T25N, R4W  
RIO ARriba COUNTY, NEW MEXICO

Amerada  
A-5


Jicarilla 22 Lease

Jicarilla	30 Leaves
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Jicarilla 28 Lease

Northwest  
16-2

Johnston  
1-1  


Johnston  
3.9  


Northwest  
15-11

- GALLUP OIL WELL
- ⊙ DAKOTA - GALLUP DUAL COMPLETION



**CONTINENTAL OIL COMPANY**  
**PRODUCTION DEPARTMENT**



**DRAWN** \_\_\_\_\_  
**CHECKED** \_\_\_\_\_  
**APPROVED** \_\_\_\_\_

SCALE 1" = 4000'  
DATE \_\_\_\_\_  
SHEET \_\_\_\_\_ OF \_\_\_\_\_

**FILE NO.**

WEST LINDRITH BLOCK  
Rio Arriba Co., New Mexico