

OIL CONSERVATION COMMISSION
DISTRICT

3

OIL CONSERVATION COMMISSION
BOX 871
SANTA FE, NEW MEXICO

DATE 1-

Re: Proposed NSP _____

Proposed NWU _____

Proposed NSL _____

Proposed NFO _____

Proposed DC _____ ✓

Gentlemen:

I have examined the application dated _____

for the

Operator / Oil / Lease and Well No. 7541-B-18-25-4

and my recommendations are as follows:

Approval

Yours very truly,

Emery C. Cline



CONTINENTAL OIL COMPANY

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

New Mexico Oil Conservation Commission
P. O. Box 2800
Santa Fe, New Mexico (3)

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

Gentlemen:

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 commingling assembly in its undesignated Gallup-Sakota well, Nicavilla Apache 20 Well No. 4, Unit A, Section 18, T25N, R44W, Rio Arriba County, New Mexico, and produce the marginal zones 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



GAB/ch
Att.

cc: U. S. Geological Survey, Roswell, New Mexico
U. S. Geological Survey, Farmington, New Mexico
Shell Oil Company, P. O. Box 1586, Farmington, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

APPLICATION FOR DUAL COMPLETION

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

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	Undesignated Gallup	Undesignated Dakota
b. Top and Bottom of Pay Section (Perforations)	6870'-7210' (Proposed)	7870'-7938' (Proposed)
c. Type of production (Oil or Gas)	Oil & Associated Gas	Oil & Associated Gas
d. Method of Production (Flowing or Artificial Lift)	Plunger Lift	Plunger Lift

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.**

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 perforation unit in either or both of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

CONDENSED DATA:

NEPAZILLA 20 SHELL NO. 6

PRODUCTION DATA

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

Top Unit Allowable: Gallup - 124
Dakota - 164

Gas-Oil Ratio Limitation: 2000 : 1

Crude Purchaser: Shell Pipeline Company, Farmington, New Mexico

Royalty Interest Owner: Micarilla Apache Tribe

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

Anticipated Commingled Liquid Gravity - 45.7° API

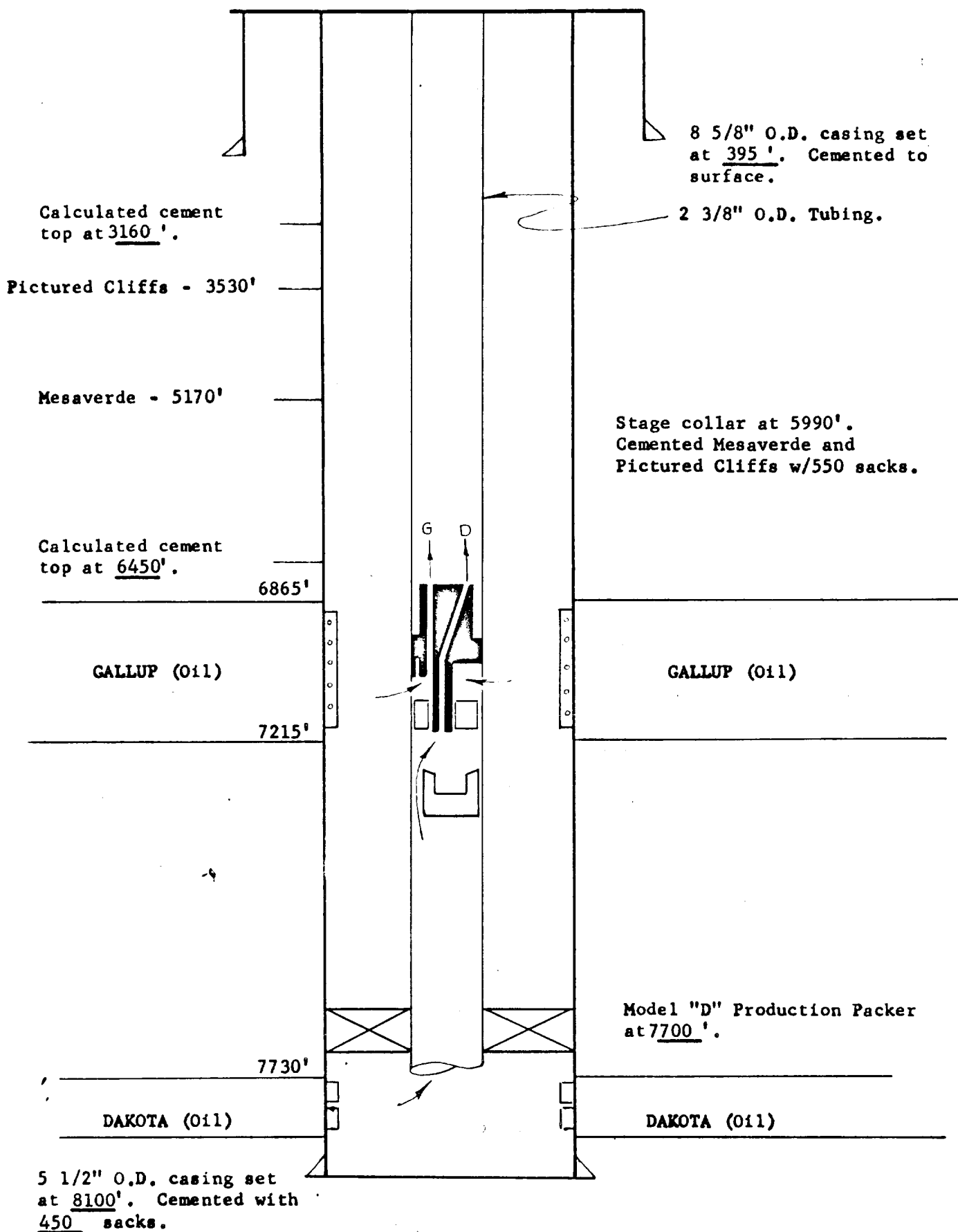
Value of 44° API Gravity = \$2.35/Bbl.

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

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

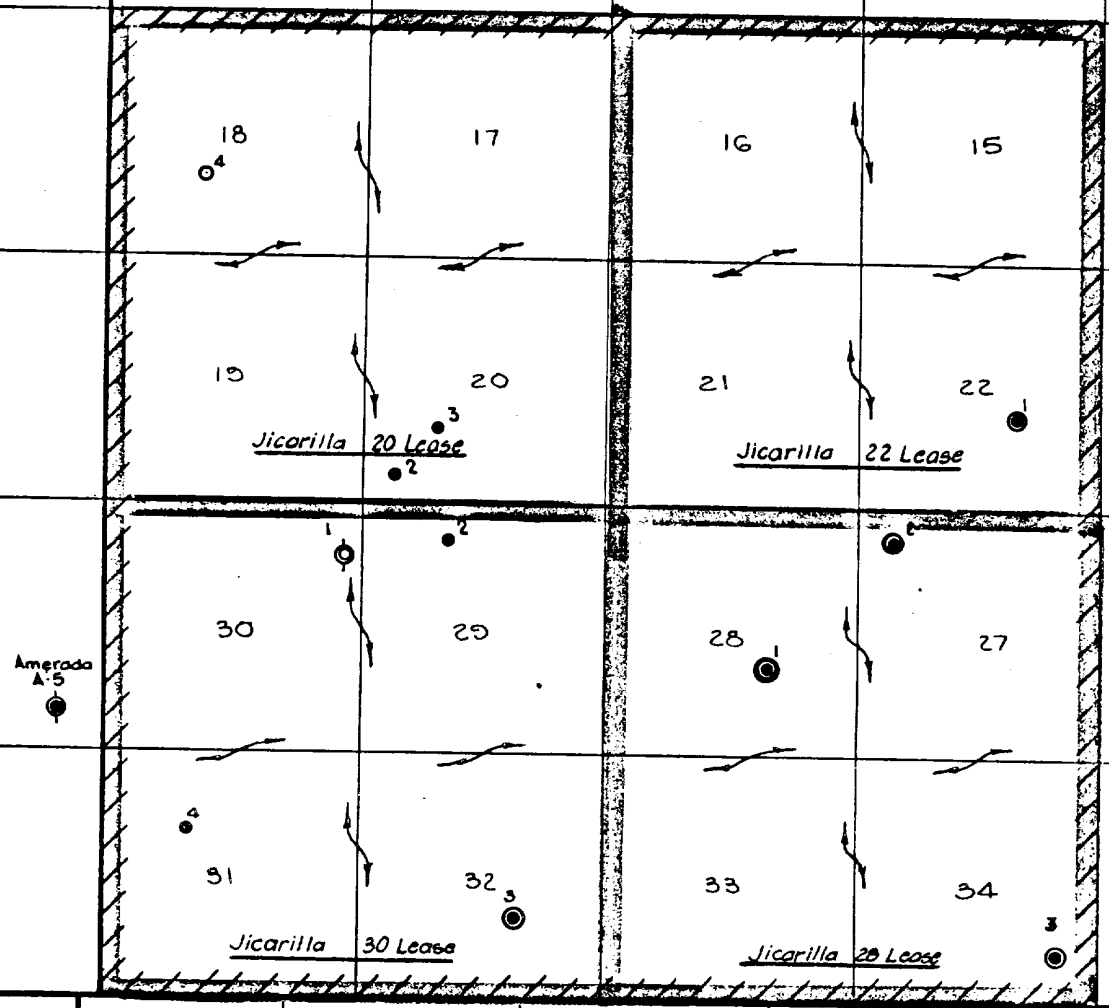
The value of the commingled production should not be less than the value of the production from each common source of supply.

* 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 COMMINGLING INSTALLATION
 JICARILLA APACHE 20 WELL NO. 4
 UNIT K, SECTION 18, T25N, R4W
 RIO ARriba COUNTY, NEW MEXICO

T
25
N



LEGEND

- GALLUP OIL WELL
- ⊙ DAKOTA - GALLUP DUAL COMPLETION

 CONTINENTAL OIL COMPANY PRODUCTION DEPARTMENT 		
DRAWN _____	SCALE 1" = 4000'	FILE NO. _____
CHECKED _____	DATE _____	
APPROVED _____	SHEET _____ OF _____	

WEST LINDRITH BLOCK
Rio Arriba Co., New Mexico