

CASE 5049: Appli. of MOBIL OIL
CORPORATION FOR A TRIPLE COMPLE-
TION, EDDY COUNTY.

CASE No.

5049

Application,

Transcripts,

Small Exhibits

ETC.

dearnley, meier & associates

209 SIMMS BLDG., P.O. BOX 1092, PHONE 243-6691, ALBUQUERQUE, NEW MEXICO 87103
1210 FIRST NATIONAL BANK BLDG. EAST, ALBUQUERQUE, NEW MEXICO 87108

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BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
CONFERENCE ROOM, STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO

August 22, 1973

EXAMINER HEARING

IN THE MATTER OF:

Application of Mobil Oil
Corporation for a triple
completion, Eddy County,
New Mexico.

Case No. 5049

BEFORE: Richard L. Stamets,
Examiner.

TRANSCRIPT OF HEARING

1 MR. STAMETS: Case 5049.

2 MR. DERRYBERRY: Application of Mobil Oil Corporation
3 for a triple completion, Eddy County, New Mexico.

4 MR. SPERLING: Games Sperling, of Modrall, Sperling,
5 Roehl, Harris and Sisk, Albuquerque, appearing for the
6 Applicant. We have one witness to be sworn.

7 MR. STAMETS: Are there other appearances in this
8 case?

9 (No response)

10 * * * *

11 JOHN SEEREY,

12 was called as a witness, and after being duly sworn according
13 to law, testified as follows:

14 DIRECT EXAMINATION

15 BY MR. SPERLING:

16 Q Would you please state your name, your place of residence,
17 your employer, and the position in which you are employed?

18 A John Seerey, employed as an associate engineer for the
19 Midland Area Office for Mobil Oil Corporation.

20 Q Have you on any previous occasions testified before
21 the Commission or one of its examiners so that your
22 qualifications as an expert witness is a matter of
23 record?

24 A Yes, I have.

25 Q What does Mobil seek by this application?

dearnley, meier & associates

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1216 FIRST NATIONAL BANK BLDG. EAST ALBUQUERQUE, NEW MEXICO 87108

1 A Mobil Oil Corporation requests approval by the
2 Commission to complete its Federal "LL" Well No. 1 as
3 a triple gas completion in the South Carlsbad Canyon,
4 Atoka, and Morrow Gas Pools in Eddy County, New Mexico.

5 Q Has the Commission approved any similar completions
6 as triple completions in this pool?

7 A No, there are no other triple completions in the area
8 between these three gas pools.

9 Q Would you please refer to what has been marked for
10 identification as Applicant's Exhibit One in this
11 matter, and explain the nature and purpose of this exhibit?

12 A Exhibit One is an ownership map showing the area of
13 the South Carlsbad field, the existing completions in
14 the Canyon, the Strawn, the Atoka, and the Morrow
15 formations. These are shown by the color codes circled
16 in the legend at the bottom of Exhibit One.

17 The color code used on the map is described at
18 the bottom of Exhibit One.

19 The open uncolored circles shown represent the
20 proposed locations or drilling wells as known to us
21 by reports. The Mobil Federal "LL" lease is shown
22 shaded in red on this map. The subject well is also
23 denoted by an arrow pointing to it. The subject well
24 is located in Unit N of Section 13, Township 23 South,
25 Range 26 East. It is 660 feet from the South line and

1 1980 feet from the west line of said Section 13,
2 Township 23 South, Range 26 East.

3 The South half of Section 13, consisting of
4 approximately 320 acres, will be dedicated to the
5 subject well, and the well is located in a standard
6 location on this tract.

7 Q Would you not please refer to what has been marked as
8 Exhibit Two and explain that exhibit?

9 A Exhibit Two is a diagramatic wellbore sketch of the
10 Federal "LL" Well No. 1. This sketch shows that the
11 subject well was drilled to a 12,090 foot total depth.

12 The casing setting, depth, and cement used are
13 also shown on Exhibits Two-A and Two-B and Two-C, and
14 are attached to copies of the USGS Form 9-331 that
15 were submitted showing that the casing in the well
16 was adequate. Parallel tubing string and packers are
17 also shown on this sketch.

18 Q Now, would you refer to what has been marked as Exhibit
19 Three and explain what that is?

20 A Exhibit Three is a copy of the Commission Form C-107,
21 application for a multiple completion. This shows the
22 three zones to be produced, the produced perforated
23 intervals, and the name of the offset operators.

24 Q With reference to the offset operators, were they
25 provided with copies of Mobil's application in this

1 matter with a request for consent or waiver of release
2 sought by the application?

3 A Yes, they were, and Exhibits Four and Four-A are the
4 executed waivers from the offset operators consenting
5 to a multiple completion.

6 Q Would you refer to Exhibit Five, please, and explain
7 what that is?

8 A Exhibit Five is an electrical log of the Mobil Federal
9 "LL" Well No. 1. The tops of the Canyon, Atoka, and
10 Morrow formations are marked in red on this log. The
11 proposed perforated intervals are also shown, and
12 marked in red on the log.

13 Q In your opinion, Mr. Seerey, can the three formations,
14 the Canyon, the Atoka, and the Morrow, be safely and
15 efficiently produced in the manner proposed?

16 A Yes, I believe that the three zones of this application
17 can be safely and efficiently produced through the
18 wellbore. There are three parallel strings of tubing,
19 and packers will be set to effectively prevent
20 communication between the three producing zones. The
21 packer leakage tests will be run upon completion, and
22 the results will be filed with the Commission.

23 Q In your opinion, Mr. Seerey, will the granting of this
24 application be in the interest of the prevention of
25 waste and protect correlative rights and be in the

1 interest of conservation of natural resources?

2 A Yes.

3 Q Were Exhibits One through Five prepared by you or under
4 your supervision, exclusive of the waivers signed by
5 the companies?

6 A Yes, they were.

7 MR. SPERLING: We offer Exhibits One through Five,
8 including the sub-exhibits.

9 MR. STAMETS: Without objection, they will be
10 admitted into evidence.

11 (Whereupon Applicant's Exhibits One through Five,
12 inclusive, were admitted in evidence.)

13 MR. STAMETS: Are there questions of this witness?

14 (No response)

15 * * * *

16 CROSS EXAMINATION

17 BY MR. STAMETS:

18 Q Mr. Seerey, have your geological staff examined this
19 log and the perforated formations and found them to be
20 the Canyon, the Atoka, and the Morrow as currently
21 defined in the South Carlsbad field?

22 A They have identified the three formations as the
23 Canyon, Atoka and Morrow from the log and collated them
24 with the Mobil Federal 12 and other logs that exist
25 in the field.

1 Q The packer leakage test between the Atoka zone and the
2 Morrow zone will have to be based on the shut-in
3 pressures and flow rate, and you wouldn't be able to
4 read any casing pressure on that, since the casing will
5 be open to the Canyon zone, is that correct?

6 A Yes, sir.

7 Q And that should present some problem in testing these
8 zones?

9 A Right.

10 MR. STAMETS: Are there any other questions of
11 the witness?

12 (No response)

13 MR. STAMETS: He may be excused.

14 (Witness excused.)

15 MR. STAMETS: Is there anything further in this
16 case?

17 (No response)

18 MR. STAMETS: Case 5049 will be taken under advisement.

19 * * * *

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1 STATE OF NEW MEXICO)
 2) SS
 3 COUNTY OF BERNALILLO)

4 I, RICHARD E. MCCORMICK, a Certified Shorthand
 5 Reporter, in and for the County of Bernalillo, State of New
 6 Mexico, do hereby certify that the foregoing and attached
 7 Transcript of Hearing before the New Mexico Oil Conservation
 8 Commission was reported by me; and that the same is a true
 9 and correct record of the said proceedings to the best of
 10 my knowledge, skill and ability.

11
 12 *Richard E. McCormick*
 13 CERTIFIED SHORTHAND REPORTER
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23 I do hereby certify that the foregoing is
 24 a complete record of the proceedings in
 the Examiner hearing of Case No. 5049
 heard by me on *August 27*, 19*73*.

25 *Richard E. Hunt*, Examiner
 New Mexico Oil Conservation Commission

dearnley, meier & associates

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I N D E XWITNESSPAGE

JOHN SEEREY

3

Direct Examination by Mr. Sperling

7

Cross Examination by Mr. Stamets

E X H I B I T SEXHIBITADMITTEDOFFERED

Applicant's #1

Ownership map

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Applicant's #2

Diagramatic wellbore sketch

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Applicant's #3

Commission form

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Applicant's #4

Waivers

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6

Applicant's #5

Electrical log

7

6

dearnley, meier & associates

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OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO
P. O. BOX 2088 - SANTA FE
87501

I. R. TRUJILLO
CHAIRMAN
LAND COMMISSIONER
ALEX J. ARMIJO
MEMBER
STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY - DIRECTOR

September 26, 1973

Mr. James E. Sperling
Modrall, Sperling, Roehl, Harris
and Sisk
Attorneys at Law
Post Office Box 2168
Public Service Building
Albuquerque, New Mexico 87103

Re: CASE NO. 5049

ORDER NO. R-4628

Applicant:

MOBIL OIL CORPORATION

Dear Sir:

Enclosed herewith are two copies of the above-referenced
Commission order recently entered in the subject case.

Very truly yours,

A. L. Porter, Jr.

A. L. PORTER, JR.
Secretary-Director

ALP/ir

Copy of order also sent to:

Hobbs OCC _____
Artesia OCC X
Aztec OCC X

Other _____

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE NO. 5049
Order No. R-4628

APPLICATION OF MOBIL OIL CORPORATION
FOR A TRIPLE COMPLETION, EDDY
COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on August 22, 1973, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 26th day of September, 1973, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Mobil Oil Corporation, seeks authority to complete its Federal "LL" Well No. 1, located in Unit N of Section 13, Township 23 South, Range 26 East, NMPM, South Carlsbad Field, Eddy County, New Mexico, as a triple completion (conventional) to produce gas from the Canyon, Atoka, and Morrow formations through three strings of tubing.

(3) That the mechanics of the proposed triple completion are feasible and in accord with good conservation practices.

(4) That approval of the subject application will prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Mobil Oil Corporation, is hereby authorized to complete its Federal "LL" Well No. 1, located in Unit N of Section 13, Township 23 South, Range 26 East, NMPM, South Carlsbad Field, Eddy County, New Mexico, as a triple completion (conventional) to produce gas from the Canyon, Atoka, and Morrow formations through three strings of 2 3/8-inch tubing separated by packers set at approximately 11,000 feet and 11,375 feet.

-2-

Case No. 5049
Order No. R-4628

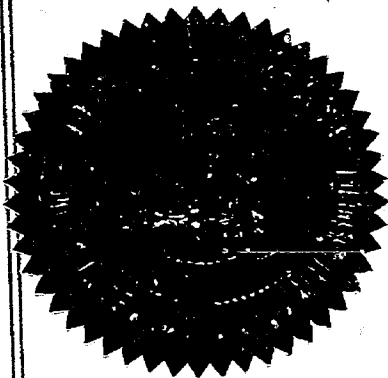
PROVIDED HOWEVER, that the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A of the Commission Rules and Regulations insofar as said rule is not inconsistent with this order;

PROVIDED FURTHER, that the applicant shall take packer-leakage tests upon completion and annually thereafter during the Annual Shut-In Pressure Test Period for the South Carlsbad-Morrow Gas Pool.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION



I. R. Trujillo
I. R. TRUJILLO, Chairman

Alex J. Armijo
ALEX J. ARMIJO, Member

A. L. Porter, Jr.
A. L. PORTER, Jr., Member & Secretary

S E A L

dr/

DOCKET: EXAMINER HEARING - WEDNESDAY - AUGUST 22, 1973

9 A.M. - OIL CONSERVATION COMMISSION CONFERENCE ROOM,
STATE LAND OFFICE BUILDING - SANTA FE, NEW MEXICO

The following cases will be heard before Richard L. Stamets, Examiner, or Elvis A. Utz, Alternate Examiner:

CASE 4548: (Reopened) (Continued from the August 9, 1973, Examiner Hearing)

In the matter of Case No. 4548 being reopened pursuant to the provisions of Order No. R-4157, which order established special rules and regulations for the Catclaw Draw-Morrow Gas Pool, Eddy County, New Mexico, including a provision for 640-acre proration units. All interested parties may appear and show cause why said pool should not be developed on 320-acre spacing.

CASE 5046: Application of David Fasken for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to drill a gas well at an unorthodox location 660 feet from the South and West lines of Section 7, Township 18 South, Range 26 East, West Atoka-Morrow Gas Pool, Eddy County, New Mexico, to which well the S/2 of said Section 7 would be dedicated.

CASE 5047: Application of Chace Oil Company for the amendment of Order No. R-4555, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of the special rules and regulations for the South Lindrith Gallup-Dakota Pool, Rio Arriba County, New Mexico, as promulgated by Order No. R-4555, to provide for the classification of oil wells and gas wells, the assignment of 320-acre units to gas wells, and to provide for approval of unorthodox locations for wells drilled as oil wells but classified as gas wells upon completion.

CASE 5048: Application of Roger C. Hanks for creation of a pool and special rules therefor, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the creation of the South Dagger Draw-Upper Pennsylvanian Pool for his Preston Federal Well No. 1 located in Unit L of Section 35, Township 20 South, Range 24 East, Eddy County, New Mexico. Applicant further seeks the promulgation of special rules for said pool, including a provision for 320-acre spacing for all wells in said pool, for the classification of oil wells and gas wells, for a limiting gas-oil ratio of 8,000 to 1, and for the assignment of a depth bracket allowable for oil wells of 267 barrels of oil per day.

CASE 5049: Application of Mobil Oil Corporation for a triple completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the triple completion (conventional) of its Federal "LL" Well No. 1 located in Unit N of Section 13, Township 23 South, Range 26 East, South Carlsbad Field, Eddy County, New Mexico, to produce gas from the Canyon, Atoka, and Morrow formations through three strings of tubing.

CASE 5050: Application of Read and Stevens, Inc. for salt water disposal, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks authority

(Case 5050 continued from Page 1)

to dispose of produced salt water into the Montoya formation in the perforated interval from 6225 feet to 6245 feet in its Federal "1" Well No. 1, located in Unit B of Section 21, Township 6 South, Range 27 East, Haystack-Cisco Pool, Chaves County, New Mexico.

CASE 5051: Application of Hillin Production Company for special pool rules, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the promulgation of special pool rules for the Winchester-Morrow Gas Pool, Eddy County, New Mexico, including a provision for 320-acre spacing and specified well locations.

CASE 5052: Application of Atlantic Richfield Company for a non-standard gas proration unit and simultaneous well dedication, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for a non-standard 320-acre gas proration unit comprising the NW/4, E/2 NE/4, SW/4 NE/4, and NE/4 SE/4, of Section 35, Township 23 South, Range 36 East, Jalmat Gas Pool, Lea County, New Mexico, to be simultaneously dedicated to its J. P. Combest Wells Nos. 1 and 4 located in Units H and E, respectively, of said Section 35.

CASE 5053: Southeast nomenclature case calling for the creation, extension and contraction of certain pools in Eddy and Lea Counties, New Mexico.

(a) Create a new pool in Eddy County, New Mexico, classified as a gas pool for Atoka production and designated as the Burton Flat-Atoka Gas Pool. The discovery well is the Monsanto Company Miller Federal No. 1 located in Unit G of Section 3, Township 21 South, Range 27 East, NMPM. Said pool described as:

TOWNSHIP 21 SOUTH, RANGE 27 EAST, NMPM
Section 3: Lots 1 through 8

(b) Create a new pool in Eddy County, New Mexico, classified as a gas pool for Strawn production and designated as the Burton Flat-Strawn Gas Pool. The discovery well is the Monsanto Company, Burton Flat Deep Unit No. 3 located in Unit V of Section 3, Township 21 South, Range 27 East, NMPM. Said pool would comprise:

TOWNSHIP 21 SOUTH, RANGE 27 EAST, NMPM
Section 3: S/2

(c) Create a new pool in Eddy County, New Mexico, classified as a gas pool for Canyon production and designated as the Carlsbad-Canyon Gas Pool. The discovery well is the Morris R. Antweil Randall No. 1 located in Unit K of Section 21, Township 22 South, Range 27 East, NMPM. Said pool would comprise:

TOWNSHIP 22 SOUTH, RANGE 27 EAST, NMPM
Section 21: S/2

(d) Create a new pool in Eddy County, New Mexico, classified as a gas pool for Morrow production and designated as the Happy Valley-Morrow

(Case 5053 continued from Page 2)

Gas Pool. The discovery well is The Superior Oil Company State Q Com No. 1 located in Unit L of Section 34, Township 21 South, Range 26 East, NMPM. Said pool would comprise:

TOWNSHIP 21 SOUTH, RANGE 26 EAST, NMPM
Section 34: W/2

(e) Create a new pool in Eddy County, New Mexico, classified as a gas pool for Morrow production and designated as the LaHuerta-Morrow Gas Pool. The discovery well is the Cities Service Oil Company Cawley A Com No. 1 located in Unit K of Section 28, Township 21 South, Range 27 East, NMPM. Said pool would comprise:

TOWNSHIP 21 SOUTH, RANGE 27 EAST, NMPM
Section 28: S/2

(f) Extend the East Empire Yates-Seven Rivers Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 28 EAST, NMPM
Section 28: NE/4 SE/4

(g) Extend the Fowler-Devonian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 24 SOUTH, RANGE 37 EAST, NMPM
Section 10: SE/4

(h) Extend the Hat Mesa-Morrow Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 32 EAST, NMPM
Section 1: S/2
Section 2: All

(i) Extend the Lea-San Andres Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 34 EAST, NMPM
Section 24: SE/4

(j) Extend the Parrish Ranch-Upper Pennsylvanian Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 24 EAST, NMPM
Section 13: E/2 SE/4

TOWNSHIP 19 SOUTH, RANGE 25 EAST, NMPM
Section 18: N/2 S/2 and SE/4 NE/4

(Case 5053 continued from Page 3)

(k) Extend the Penasco Draw San Andres-Yeso Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 25 EAST, NMPM
Section 32: W/2

TOWNSHIP 19 SOUTH, RANGE 25 EAST, NMPM
Section 5: W/2 NW/4 and NE/4 NW/4

(l) Extend the Rock Tank-Lower Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 24 EAST, NMPM
Section 11: E/2, E/2 SW/4, S/2 SE/4 NW/4
and NE/4 SE/4 NW/4

(m) Extend the Round Tank-Queen Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 15 SOUTH, RANGE 28 EAST, NMPM
Section 36: NE/4

(n) Extend the Shugart Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 30 EAST, NMPM
Section 12: SE/4 SE/4
Section 13: E/2 NE/4

(o) Extend the Winchester-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 28 EAST, NMPM
Section 34: E/2

TOWNSHIP 20 SOUTH, RANGE 28 EAST, NMPM
Section 2: N/2

(p) Contract the vertical limits of the Townsend Pennsylvanian Pool in Lea County, New Mexico, to include the Cisco formation only and redesignate said pool the Townsend-Cisco Pool comprising:

TOWNSHIP 16 SOUTH, RANGE 35 EAST, NMPM
Section 4: SW/4

CASE 4745: (Reopened) (Continued from the August 9, 1973, Examiner Hearing)

In the matter of Case No. 4745 being reopened pursuant to the provisions of Order No. R-4365, which order established special rules and regulations for the Penasco Draw San Andres-Yeso Pool, Eddy County, New Mexico, including a provision for classification of oil wells and gas wells, the spacing thereof, and a limiting gas-oil ratio of 3000 to 1. All interested parties may appear and show cause why said pool rules should remain in effect.

Diagrammatic Well Sketch
Federal "LL" Well No. 1
Carlsbad So. (Canyon, Atoka, Morrow) Pools
Eddy County, New Mexico

GL ELEV = 3240.8
 ELEV =

13 3/8" - 48#/ft. Set w/ 400 SX
 Circ.

2 3/8" N-80 Buttress tbg.

Liner Top

9 5/8" - 40#/ft. S-95 Set w/ 2850 SX
 Circ.

2 3/8" N-80 Buttress tbg.

Dual Hydraulic Pkr.

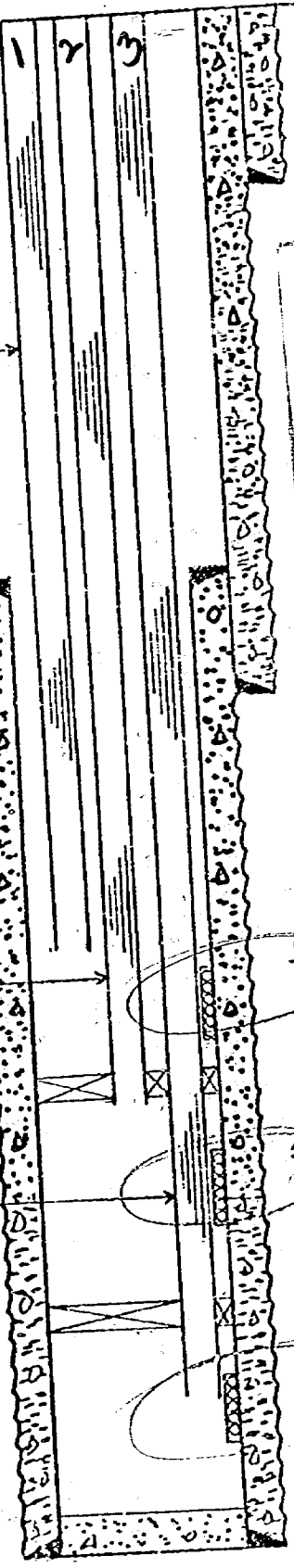
2 7/8" N-80 Buttress tbg.

Baker Model "D" Pkr.

7" - 26#/ft. S-95 Set w/ 1350 SX.
 cm over top of liner w/ 250 SX
 Circ.

8-9-73
 LEW

BEFORE EXAMINER STAMETS	
OIL CONSERVATION COMMISSION	
EXHIBIT NO.	2
CASE NO.	5049
Submitted by	Mobil
Hearing Date	8-22-73



Canyon Perforations
 10,295' - 10,306'

Atoka Perforations
 11,090' - 11,240'

Morrow Perforations
 11,448' - 11,728'

12,090' T.D.

C 10120
 S 10520
 A 11746
 M 11244

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(One instruction on reverse side)

FIELD REPORT
Project Number 42 R-26-E

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE, OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., S., OR BLK. AND SURVEY OR AREA

12. COUNTY OR PARISH

13. STATE

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

2 A

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Mobil Oil Corporation

3. ADDRESS OF OPERATOR

Box 633a Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface

660' FSL & 1980' FWL OF SEC. 13, T-23-S, R-26-E

14. PERMIT NO.

3240.8

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) Start drilling operation

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

FEDERAL "LL" #1

6/4 (1) 375 MD, WOC 13-3/8 csg in red bed, 17 1/2" hole. Spud mud. 1/2 @ 375, Vacuum Drig Co spud in @ 12:00 noon 6/3/73, ran 10 jts 375' 13-3/8 48.00 8rd STC csg cmtd on bottom @ 375 by Hanco w/4000 Class C cmt w/2% CaCl, PD @ 5:30 a.m. 6/4/73. cmt circ, WOC

6/5 (2) 375 drig cmt in 13-3/8" csg, 12 1/2" hole, WOC total 22 1/2 hrs, test csg & BOP 600#/ok.

BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION
EXHIBIT NO. 2 A
CASE NO. 5049
Submitted by Mobil
Hearing Date JUN 8 22-73
JUN 7 1973
U. S. GEOLOGICAL SURVEY
ARTESIAN WELL RECORD

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Authorized Agent

DATE 6-8-73

(This space for Federal or State office use)

APPROVED BY

TITLE DISTRICT ENGINEER

DATE JUN 8 1973

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSPECIAL INSTRUCTIONS
SEE REVERSE SIDE1. DATE OF REPORT
2. NAME OF OPERATOR

SUNDY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR <i>Mobil Oil Corporation</i>	8. FARM OR LEASE NAME <i>Section 13</i>
3. ADDRESS OF OPERATOR <i>P.O. Box 633, Midland, Texas 79701</i>	9. WELL NO. <i>1</i>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface <i>160' FSL +1220' Top of Sec 13, T.23 S., R.11 E.</i>	10. FIELD AND POOL, OR WILDCAT <i>Completed 10/1/72</i>
11. PERMIT NO.	11. SEC., T., R., M., OR L.R. AND SURVEY OR AREA <i>Sec 13, T.23 S., R.11 E.</i>
12. ELEVATION (Show whether DF, RT, CR, etc.) <i>3246.8</i>	12. COUNTY OR PARISH 13. STATE <i>Ellis Oklahoma</i>

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <i>100% Test & Completion Log</i>	(Other) <i>100% Test & Completion Log</i>

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

FEDERAL "LL" #1

6/18 (15) 5600, WOC on 9-5/8 csg, 1 1/4 @ 5600, Schl ran BC-5600, NEW MEXICO
GR w/ Calipers to 5590, ran Lateralogs to 5541, ran bit to
5600, circ hole 3 hrs, LD DP, RU & ran 135 jts 9-5/8 40#
S-95 8rd csg to 5600, Howco cmtd w/ 2700x Trinity Lite Wt
first 700x containing 1/2# Floseal/x followed w/ 200x Class C
Neat, PD @ 2:00 a.m. 6/18/73, cmt circ. w.c.

FEDERAL "LL" #1

6/19 (16) 5600, WOC on 9-5/8 csg, WOC 10 hrs, cut 9-5/8 csg off,
cmt had fallen on backside, ran 1" pipe on outside of 9-5/8
to top of cmt @ 390, Howco cmtd w/ 150x Class C cmt, cmt
circ, job compl @ 11:00 p.m. 6/18/73.

FEDERAL "LL" #1

6/21 (18) 5600 ND, finish NU, Yellow Jacket tested BOP & kill
lines to 5000#/ok, prep to pick up DF.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

DATE 6-20-73

(This space for Federal or State office use)

APPROVED BY

TITLE

DISTRICT ENGINEER

DATE JUN 22 1973

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION

EXHIBIT NO. 2B

CASE NO. 5049

Submitted by Mobil

Mailing Date 6-22-73 2B

Form 9-311
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate
(Give instructions on to
which side)

Form 9-311
(May 1963)

5. LEASE DESIGNATION

6. IF INDIAN, ALLIANCE OR TRIBAL

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

10. FIELD AND POOL OF WELL

11. SEC., T., R., M., OR LIX. AND
SURVEY OR AREA

12. COUNTY OR PARISH

13. STATE

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. ☐ OIL
WELL ☐ GAS
WELL ☒ OTHER

2. NAME OF OPERATOR
Mobil Oil Corporation

3. ADDRESS OF OPERATOR
Box 633, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

660' PSL & 1900' FWL of Sec. 13, T-23-S, R-26-E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, CR, etc.)

3240

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other) Csg Test & Cement Job

(Other)

(NOTE: Report results of multiple completion or Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
nent to this work.)

FEDERAL "LL" #1

7-26 12,090 TD ch, WOC 7" liner, ran 159 lbs 7" OD 26.00 895 1TAC
liner w/BOT Type C liner hanger to 12,000, top of hanger C
5392, circ 3 hrs, Howco cmt w/1100x FILL + 250x Class H Heat
cmt w/.04% KR-4/x, PD @ 5:15 p.m. 7-23-73

7-27 12,090 TD, WOC 7" liner, finish displ hole w/dr wtr, PCH w/dlt, ran 9-5/8 RTTS plr
on 4 1/2 DP to 5142, Howco pumped in over top of 7" liner 6.0 BBL @ 7000, then cmt
w/250x Class C cmt, BFP 300, displ cmt to 5242, WOC 4 hrs, 100, ran 8-3/4 bit
on 1 - 6" DC & 4 1/2 DP to 5242, WOC total 18 hrs, drld cmt from 5267-5392, nos circ,
prep to test top of liner. Tested liner from top at 2000# surface Pressure, tested OK

BEFORE EXAMINER STAMERIS
OIL CONSERVATION COMMISSION

EXHIBIT NO. 2C

CASE NO. 5049

Submitted by Mobil

Hearing Date 8-22-73

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Authorized Agent

DATE 7-30-73

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

2c

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
APPLICATION FOR MULTIPLE COMPLETION

Form C-107
5-1-61

Operator Mobil Oil Corporation		County Eddy	Date August 9, 1973
Address P. O. Box 633, Midland, Texas 79701		Lease Federal 1L	Well No. 1
Location of Well	Unit N	Section 13	Township 23-S
			Range 26-E

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple 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	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Carlsbad, South (Canyon)	Carlsbad, South (Atoka)	Carlsbad, South (Morrow)
b. Top and Bottom of Pay Section (Perforations)	10,295'-10,306'	11,090'-11,240'	11,468'-11,728'
c. Type of production (Oil or Gas)	Gas	Gas	Gas
d. Method of Production (Flowing or Artificial Lift)	Flowing	Flowing	Flowing

4. The following are attached. (Please check YES or NO)

- | | | |
|-------------------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Yes | No | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and 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. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 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. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.* |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 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.

J. M. Huber Corporation, 1900 Wilco Building, Midland, Texas 79701

Phillips Petroleum Company, Phillips Building, Fourth at Washington, Odessa, Texas 79760

BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION
EXHIBIT NO. 3
CASE NO. 5049
Submitted by Mobil
8-22-73

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 July 31, 1973 - Offset operators furnished waivers of objection.

CERTIFICATE: I, the undersigned, state that I am the Area Operations Engineer of the Mobil Oil Corporation (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.

A. A. Davis

Signature Area Oper. Engineer

*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 multiple completion will result in an unorthodox well location and/or a non-standard perforation unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

W A I V E R

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention: Mr. A. L. Porter, Jr.

MULTIPLE COMPLETION APPLICATION
MOBIL OIL CORPORATION'S
FEDERAL LL LEASE, WELL #1
CARLSBAD, SOUTH FIELD
EDDY COUNTY, NEW MEXICO

Gentlemen:

The undersigned has been informed by Mobil Oil Corporation of their application to multiply complete the subject well. It is our understanding that this well will be completed as a triple gas well in the Carlsbad, South (Canyon), (Atoka) and (Morrow) Pools.

Please be advised that, as an offset operator to this lease, we have no objection to the approval of Mobil's application.

Yours truly,

Company: J. M. Huber Corporation

Representative: *James R. Sutherland*

Title: Production Superintendent

Date: August 1, 1973

BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION
EXHIBIT NO. 4

CASE NO. 5049

Submitted by Mobil

Hearing Date 8-22-73

RECEIVED			
OPERS. ENGINEERING			
AUG - 5 1973			
OE	PROR.	CIRC.	
FE		XO's	
FC		FILE	

W A I V E R

RECEIVED			
OPERS. ENGINEERING			
AUG - 3 1973			
OE	PROR.	CIRC.	
FE		XC's	
FE		FILE	

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention: Mr. A. L. Porter, Jr.

MULTIPLE COMPLETION APPLICATION
MOBIL OIL CORPORATION'S
FEDERAL LL LEASE, WELL #1
CARLSBAD, SOUTH FIELD
EDDY COUNTY, NEW MEXICO

Gentlemen:

The undersigned has been informed by Mobil Oil Corporation of their application to multiply complete the subject well. It is our understanding that this well will be completed as a triple gas well in the Carlsbad, South (Canyon), (Atoka) and (Morrow) Pools.

Please be advised that, as an offset operator to this lease, we have no objection to the approval of Mobil's application.

Yours truly,

Company: PHILLIPS PETROLEUM COMPANY

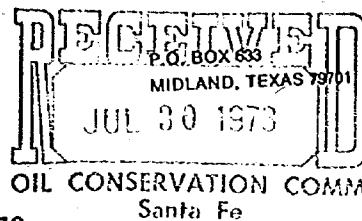
Representative: *G. E. Edwards*

Title: _____

Date: 8-2-73

BEFORE EXAMINER STAMETS	
OIL CONSERVATION COMMISSION	
EXHIBIT NO.	<u>4A</u>
CASE NO.	<u>5049</u>
Submitted by	<u>Mobil</u>
Hearing Date	<u>8-22-73</u>

Mobil Oil Corporation



July 26, 1973

Case 5049

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention: Mr. A. L. Porter, Jr.

HEARING REQUEST FOR
TRIPLE COMPLETION
MOBIL OIL CORPORATION'S
FEDERAL LL, WELL #1
CARLSBAD, SOUTH FIELD
EDDY COUNTY, NEW MEXICO

Gentlemen:

Mobil Oil Corporation plans to complete the Federal LL, Well #1 as a triple gas well in the Carlsbad, South (Canyon), (Atoka) and (Morrow) Pools. This well is located in Unit N, 660' from the south line and 1980' from the west line of Sec. 13, T-23-S, R-26-E, Eddy County, New Mexico. It is respectfully requested that this matter be set for hearing at the scheduled Examiner Hearing on August 22, 1973.

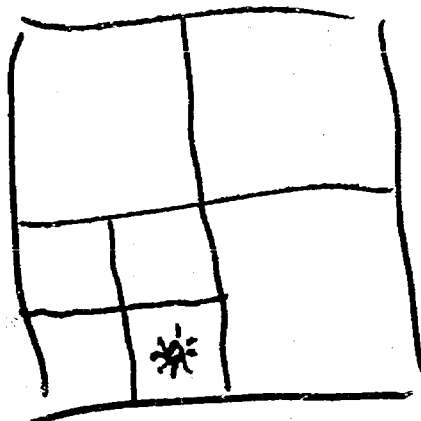
The South half of said Section 13 is dedicated to this well.

Yours truly,

L. A. Davis
Area Operations Engineer

ADBond/cs

cc: USGS - Artesia
NMOCC - Artesia



DOCKET MAILED

Date 8-9-73

DRAFT

dr/

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE No. 5049

Order No. R-4628

APPLICATION OF MOBIL OIL CORPORATION
FOR A TRIPLE COMPLETION, EDDY COUNTY,
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on
August 22, 1963, at Santa Fe, New Mexico, before Examiner
Richard L. Stamets.

NOW, on this day of August, 1963, the Commission,
a quorum being present, having considered the testimony, the record,
and the recommendations of the Examiner, and being fully advised
in the premises,

FINDS:

(1) That due public notice having been given as required by
law, the Commission has jurisdiction of this cause and the subject
matter thereof.

(2) That the applicant, Mobil Oil Corporation,
seeks authority to complete its Federal "LL"
Well No. 1, located in Unit N of Section 13, Township

23 South Range 26 East, NMPM, South Carlsbad Field,
~~XXXXXX~~ Eddy County, New
~~XXXXXX~~

(conventional) ~~XXXXXX~~
Mexico, as a triple completion ~~(combination)~~ to produce gas
~~(tubingless)~~

from the Canyon, Atoka, and Morrow formations through three
strings of tubing.

(3) That the mechanics of the proposed triple completion are feasible and in accord with good conservation practices.

(4) That approval of the subject application will prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Mobil Oil Corporation, is hereby authorized to complete its Federal "LL" Well No. 1, located in Unit N of Section 13, Township

23 ~~South~~ ^{North} Range 26 ~~East~~ ^{West} NMPM, South Carsbad Field, Eddy ~~County, New~~

Mexico, as a triple completion (conventional) ~~(combination)~~ ~~(tubingless)~~ to produce gas ~~xxxx~~

from the Canyon, Atoka, and Morrow formations through three strings

of 2 3/4" tubing, ~~separated by~~ ^{Separated by} ~~packers~~ ^{set} at approximately 11,000 feet
11,375 feet with perforations at 10,698' 10,806'
10,900' 11,240' and 11,468' - 11,728' respectively

PROVIDED HOWEVER, that the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A of the Commission Rules and Regulations insofar as said rule is not inconsistent with this order;

PROVIDED FURTHER, that the applicant shall take packer-leakage ~~zone-segregation~~ tests upon completion and annually thereafter during the Annual ~~Shut-In Pressure Test~~ ^{Shut-In Pressure Test} ~~Gas-Oil-Ratio-Test~~ ^{Gas-Oil-Ratio-Test} Period for the South Carsbad Morrow Pool. ~~Deliverability~~ ^{Deliverability} *Jan*

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year herein-above designated.

Memo

Aug 22

From

To

Mobil Oil Corp.

Federal "LL" No 1

N 13-235-26E.

660 FSL 1980 FWC

trap. comp. SCLD
Field

gas Canyon
Atoka

Messard

Three strings tubing

called in by AD Bond - Jhu