

CASE 3190: Appli. of CONTINENTAL
for a triple completion of its
NORTHEAST HAYNES APACHE WELL NO.1.

CASE NO.

3190

Application,

TRANSCRIPTS,

SMALL Exhibits

ETC.

GOVERNOR
JACK M. CAMPBELL
CHAIRMAN

State of New Mexico
Oil Conservation Commission



LAND COMMISSIONER
GUYTON B. HAYS
MEMBER

STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY - DIRECTOR

P. O. BOX 2088
SANTA FE

January 20, 1965

Mr. Jason Kellahin
Kellahin & Fox
Attorneys at Law
Post Office Box 1769
Santa Fe, New Mexico

Re: Case No. 3190
Order No. R-2860
Applicant:
Continental Oil Company

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

ir/

Carbon copy of order also sent to:

Hobbs OCC x

Artesia OCC

Aztec OCC x

OTHER Mr. Charles Roberts (Continental Oil Company - Denver, Colo.)

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. 3190
Order No. R-2860

APPLICATION OF CONTINENTAL OIL
COMPANY FOR A TRIPLE COMPLETION,
RIO ARriba COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on January 6, 1965, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 20th day of January, 1965, 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, Continental Oil Company, seeks authority to complete its Northeast Haynes Apache Well No. 1, located in Unit L of Section 9, Township 24 North, Range 5 West, NMPM, Rio Arriba County, New Mexico, as a triple completion (combination) to produce gas from the Ballard-Pictured Cliffs Gas Pool through 2 7/8-inch casing, and oil from the Otero-Gallup Oil Pool and gas from the Basin-Dakota Gas Pool through 2 3/8-inch tubing installed in two separate 4 1/2-inch casing strings, all casing strings being cemented in a common well bore.

(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.

-2-

CASE No. 3190

Order No. R-2860

IT IS THEREFORE ORDERED:

(1) That the applicant, Continental Oil Company, is hereby authorized to complete its Northeast Haynes Apache Well No. 1, located in Unit L of Section 9, Township 24 North, Range 5 West, NMPM, Rio Arriba County, New Mexico, as a triple completion (combination) to produce gas from the Ballard-Pictured Cliffs Gas Pool through 2 7/8-inch casing, and oil from the Otero-Gallup Oil Pool and gas from the Basin-Dakota Gas Pool through 2 3/8-inch tubing installed in two separate 4 1/2-inch casing strings, all casing strings being cemented in a common well bore;

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 zone segregation tests upon completion and annually thereafter during the Annual Deliverability Test Period for the Basin-Dakota Gas Pool;

PROVIDED FURTHER, that Orders Nos. R-1735 and R-1869, which orders previously authorized the multiple completion of the subject well in formations other than those herein authorized, are hereby superseded.

(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



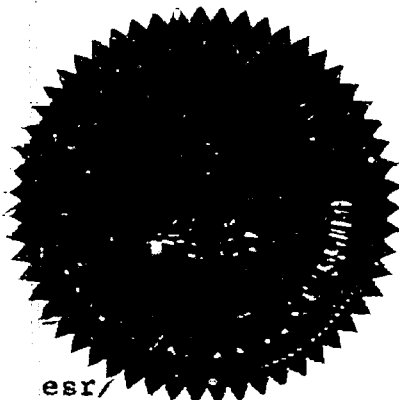
JACK M. CAMPBELL, Chairman



GUYTON B. HAYS, Member



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



Docket No. 1-65

DOCKET: EXAMINER HEARING - WEDNESDAY - JANUARY 6, 1965

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

The following cases will be heard before Daniel S. Nutter, Examiner, or Elvis A. Utz, Alternate Examiner:

CASE 3187: Application of Tom L. Ingram for the creation of a new oil pool and for special pool rules, Roosevelt County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new oil pool for Devonian production for his State Well No. 1 located in Unit C of Section 32, Township 8 South, Range 38 East, Roosevelt County, New Mexico, and the promulgation of special rules for said pool, including a provision for 80-acre spacing.

CASE 3188: Application of Maleta Y. Brimhall and Barbara Burnham for force-pooling, San Juan County, New Mexico. Applicants, in the above-styled cause, seek an order force-pooling all mineral interests in the Basin Dakota Pool underlying the W/2 of Section 7, Township 30 North, Range 11 West, San Juan County, New Mexico.

CASE 3189: Application of Continental Oil Company for a dual completion, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval of the dual completion (conventional) of its Jicarilla Apache 30 Well No. 2 located in Unit C of Section 28, Township 25 North, Range 4 West, Rio Arriba County, New Mexico, in such a manner as to produce gas from the Chacra formation and oil from the Gallup formation through the casing-tubing annulus and tubing, respectively.

CASE 3190: Application of Continental Oil Company for a triple completion, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval of the triple completion (combination) of its Northeast Haynes Apache Well No. 1 located in Unit K of Section 9, Township 24 North, Range 5 West, Rio Arriba County, New Mexico, to produce gas from the Ballard-Pictured Cliffs Pool through 2 7/8-inch casing, and oil from the Otero-Gallup Pool and gas from the Basin-Dakota Pool through tubing installed in two separate 4 1/2-inch casing strings, all casing strings being cemented in a common wellbore.

CASE 2715: (Reopened)
In the matter of Case No. 2715 being reopened pursuant to the provisions of Order No. R-2401, which order established temporary 320-acre gas proration units for the Custer-Ellenburger Pool, Lea County, New Mexico, for a period of two years. The Commission will consider indefinite extension of Order No. R-2401 in the absence of evidence to the contrary.

CASE 2720: (Reopened)
In the matter of Case No. 2720 being reopened pursuant to the provisions of Order No. R-2397-A which continued the original order for an additional year, establishing special rules governing the production of oil and gas wells in the Double-X Delaware Pool, Lea County, New Mexico, including classification of wells as gas wells when the gas-liquid hydrocarbon ratio exceeds 30,000 to one.

January 6, 1965 Examiner Hearing

CASE 2935: (Reopened)

In the matter of Case No. 2935 being reopened pursuant to the provisions of Order No. R-2612, which order established temporary 160-acre spacing for the South Waterflow Oil Pool, San Juan County, New Mexico, for a period of one year. All interested parties may appear and show cause why said pool should not be developed on either 80-acre or 40-acre spacing.

CASE 3158: (Continued from the November 24th examiner hearing).

Application of The Pure Oil Company for the creation of a new gas pool and for special pool rules, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new Wolfcamp gas pool for its Red Hills Unit Well No. 1 located 330 feet from the South line and 2310 feet from the East line of Section 32, Township 25 South, Range 33 East, Lea County, New Mexico, and the promulgation of special pool rules including a provision for 640-acre spacing.

CASE 3159: (Continued from the November 24th examiner hearing).

Application of The Pure Oil Company for the creation of a new gas pool and for special pool rules, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new Pennsylvanian gas pool for its Red Hills Unit Well No. 1, located 330 feet from the South line and 2310 feet from the East line of Section 32, Township 25 South, Range 33 East, Lea County, New Mexico, and the promulgation of special pool rules including a provision for 640-acre spacing.

CASE 3173: (Continued from the December 15th examiner hearing).

Application of Pan American Petroleum Corporation for force-pooling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an order force-pooling all mineral interests in the Basin Dakota Pool underlying the S/2 of Section 31, Township 30 North, Range 12 West, San Juan County, New Mexico.



CONTINENTAL OIL COMPANY

P. O. Box 3312
Durango, Colorado
December 2, 1964

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Attention: Mr. A. L. Porter, Jr., Secretary-Director

Dear Sir:

Attached is an "Application for Triple Completion" of Northeast Haynes Apache Well No. 1, an existing well in Rio Arriba County, New Mexico.

Northeast Haynes Well No. 1 (9 No. 1) was originally approved for triple completion in the Dakota, Gallup, and Mesaverde by Commission Order No. R-1735 on 8-4-1960. Commission Order No. R-1869 later approved the well for triple completion in the Dakota, Gallup, and Greenhorn Formations. At a later date, the order was revised approving a quadruple completion in the Dakota, Gallup, Greenhorn, and Mesaverde Formations. The Gallup and Dakota are presently producing through the separate strings of 4 1/2" O.D. casing. Both the Greenhorn and Mesaverde Formations were tested in the 2 7/8" casing string (third casing string) and found to be non-commercial. The Greenhorn Formation was plugged prior to opening the Mesaverde which is presently shut-in.

The attached application requests approval to plug the Mesaverde and recomplete the well back to the Pictured Cliffs Formation in the existing 2 7/8" casing string. The oriented perforating method, which was used in the previous completions, will be utilized in the proposed recompletion.

DOCKET MAILED

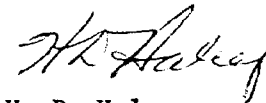
Date 12-24-64

Mr. A. L. Porter, Jr.
Page Two

A diagrammatic sketch of the completion, lease plat, and electric log of the well, were furnished with previous applications approved as Commission Orders No. R-1735 and R-1869.

If any further information is required, please advise.

Yours very truly,



H. D. Haley
District Manager
Durango District
Production Department

GAB/slf

cc: N.M.O.C.C. - Aztec, New Mexico
U.S.G.S. - Farmington, New Mexico
Attachment

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

TRIPLE APPLICATION FOR ~~DUAL~~ COMPLETION

Field Name Northeast Haynes		County Rio Arriba	Date 12-1-64
Operator Continental Oil Company		Lease Northeast Haynes Apache	Well No. 1
Location of Well	Unit K	Section 9	Township 24N
			Range 5W

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 (Proposed)	Middle Zone (Existing)	Lower Zone (Existing)
a. Name of reservoir	Pictured Cliffs (Ballard)	Gallup (Otero)	Dakota (Basin)
b. Top and Bottom of Pay Section (Perforations)	2380'-2410' (Proposed)	5618'-5818'	6726'-6784'
c. Type of production (Oil or Gas)	Gas	Oil	Gas
d. Method of Production (Flowing or Artificial Lift)	Flowing	Pumping	Flowing

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

- ** 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.
- ** NO 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.
- ** NO 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.*
- ** NO 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.

1. **Gulf Oil Company - Petroleum Building, Roswell, New Mexico**

2. **El Paso Natural Gas Products Company, P. O. Box 977, Farmington, New Mexico**

** Furnished with previous applications dated 7-5-60 and 8-24-62. Original application for Dakota-Gallup-Mesaverde triple completion approved by Commission Order R-1735 on 8-4-1960.

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 **12-2-64**

CERTIFICATE: I, the undersigned, state that I am the **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.

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.

OIL CONSERVATION COMMISSION
3 DISTRICT

200 3190

DEC 11 1964

OIL CONSERVATION COMMISSION
BOX 871
SANTA FE, NEW MEXICO

DATE 12-4-64

Re: Proposed NSP _____

Proposed NWU _____

Proposed NSL _____

Proposed NFO _____

Proposed DC ✓

Gentlemen:

I have examined the application dated 12-1-64
for the Continental Oil Co. NE Hayes Heccho #1 K-9-24-5
Operator Lease and Well No. S-T-R

and my recommendations are as follows:

Approved

Yours very truly,

Emory C. Currey



Case 3190

DEC 18 PM 11
MAIL ROOM
CONTINENTAL OIL COMPANY

P. O. Box 3312
Durango, Colorado
December 16, 1964

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

Attention: Mr. A. L. Porter, Jr., Secretary - Director

Gentlemen:

Attached are waivers from offset operators consenting to Continental Oil Company's application to triple complete our Northeast Haynes Well No. 1 in the Pictured Cliffs Formation.

"Application for Dual Completion" was submitted to the Commission on December 3, 1964. The well is located in Unit L, Section 9, T24N, R5W, Rio Arriba County, New Mexico.

Very truly yours,

A handwritten signature in cursive script, appearing to read "F. E. Ellis".

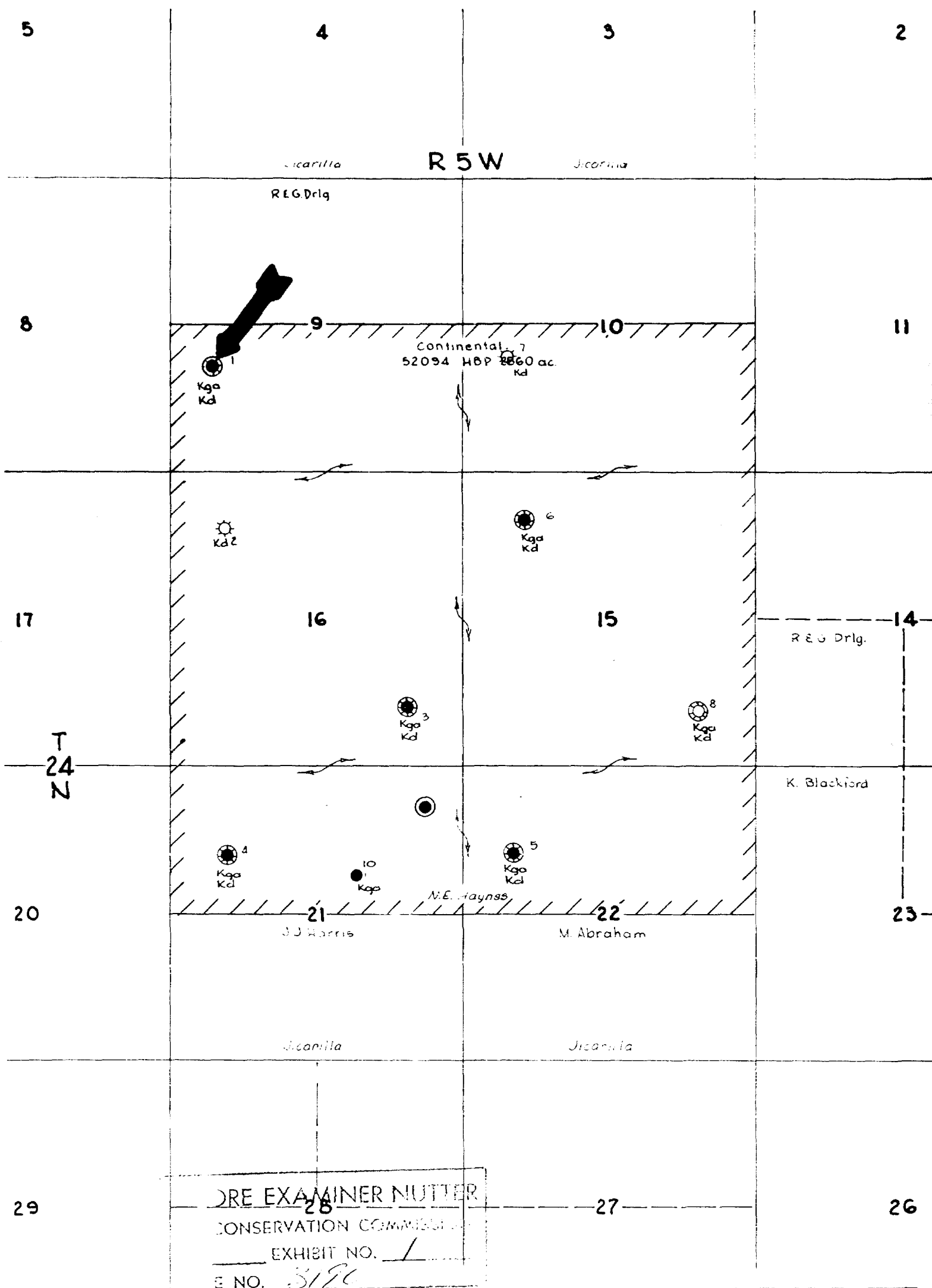
F. E. Ellis
Assistant District Manager
Durango District
Production Department



GAB/slf

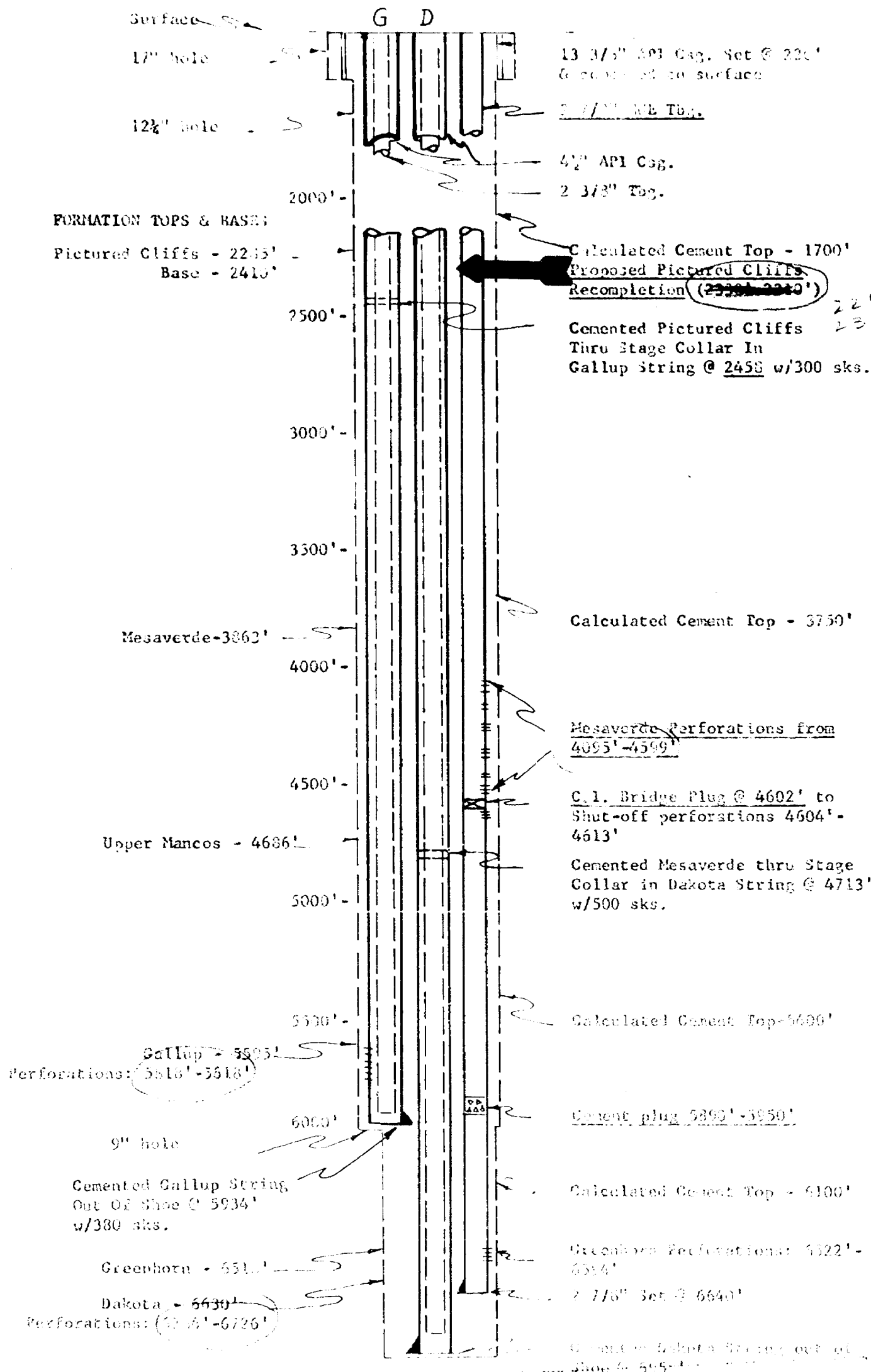
Attachments

DOCKET MAILED

12-24-64
Date



 CONTINENTAL OIL COMPANY 		
PRODUCTION DEPARTMENT		
DRAWN _____	SCALE _____	FILE NO. _____
CHECKED _____	DATE _____	
APPROVED _____	SHEET _____ CF _____	
NE. HAYNES		



SCHEMATIC DIAGRAM
CONTINENTAL OIL COMPANY
L.P.M. COMPLETION
MESAVARDE - GALLUP - DAKOTA
NOT TO SCALE
12-14-64

BEFC
OIL COMPANY
CASE
3176

Gulf Oil Corporation

ROSSELL PRODUCTION DISTRICT

W. B. Hopkins
DISTRICT MANAGER
M. I. Taylor
DISTRICT PRODUCTION
MANAGER
F. O. Mortlock
DISTRICT EXPLORATION
MANAGER
H. A. Rankin
DISTRICT SERVICES MANAGER

December 8, 1964

RECEIVED
DURANGO FIELD
DEC 10 1964
Drawer 1938
Roswell, New Mexico 88201

Oil Conservation Commission
State of New Mexico
Post Office Box 2086
Santa Fe, New Mexico 87501

Gentlemen:

Gulf Oil Corporation, as an effect operator, has been advised of Continental Oil Company's application to triple complete their Northeast Haynes Apache Well No. 1 in the Pictured Cliffs (Ballard), Gallup (Gore) and Dakota (Basin) Pools. It is our understanding that this well is located 1050 feet from the south line and 790 feet from the west line of Section 9-44N-7W, Rio Arriba County, New Mexico.

Please be advised that we have no objections to this triple completion at the above location.

Yours very truly,

M. I. Taylor

M. I. Taylor

JHM:ers

cc: Continental Oil Company
Post Office Box 3312
Durango, Colorado 81302

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 4
CASE NO. 3190



RECEIVED	
ORDINANCE PROJ.	
DEC 11 1964	
MR. MOR.	
MR. GR.	
MR. MGR.	
MR. ENG.	

El Paso Natural Gas Company

El Paso, Texas

December 10, 1964

ADDRESS REPLY TO
POST OFFICE BOX 980
FARMINGTON NEW MEXICO

New Mexico Oil Conservation Commission
Santa Fe, New Mexico

Re: Haynes Apache #1
SW/4 Section 9, T. 24N., R. 5. W.
Rio Arriba County, New Mexico

Gentlemen:

El Paso Natural Gas Company has no objection to the proposed triple completion of the captioned well by Continental Oil Company.

Very truly yours,

D. N. Canfield
Area Manager
Land & Geological Department

DNC:ed

cc: Mr. F. E. Ellis
Continental Oil Company

BEFORE EXAMINER MUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 5
CASE NO. 5190

COPY

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
January 6, 1965

EXAMINER HEARING

IN THE MATTER OF:

APPLICATION OF CONTINENTAL OIL COMPANY
FOR A TRIPLE COMPLETION, RIO ARriba COUNTY,
NEW MEXICO

Case No. 3190

BEFORE:

DANIEL S. NUTTER

TRANSCRIPT OF HEARING

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

SANTA FE, N. M.
PHONE 983-3971

ALBUQUERQUE, N. M.
PHONE 243-6691



MR. NUTTER: We will call Case Number 3190.

MR. DURRETT: Application of Continental Oil Company for a triple completion, Rio Arriba County, New Mexico.

MR. ROBERTS: Charles Roberts representing Continental Oil Company; and I have the same witness in this case as I had in Case Number 3189, Mr. Brown.

MR. DURRETT: Let the record show that Mr. Brown was sworn in Case Number 3189, and is still under oath.

* * *

G E O R G E B R O W N, the witness, having been duly sworn, was examined and testified as follows:

DIRECT EXAMINATION

BY MR. ROBERTS:

Q Mr. Brown, are you familiar with Continental Oil Company's application in Case Number 3190?

A Yes, sir.

Q State briefly what is sought by Continental by this application.

A The applicant seeks Commission approval for triple completion of a triple completion--combination triple completion of its Northeast Haynes Apache Well Number 1 located in Unit K of Section 9, Township 2nd North, Range 5 West, Rio Arriba County, New Mexico. The well is presently a combination triple completion in the Gallup, Dakota and Mesa Verde

formations. The applicant proposes to plug and abandon the Mesa Verde formation and re-complete in the same existing 2-7/8 inch string in such a manner as to produce gas from the Ballard-Cliffs pool from 2-7/8 and gas from the Basin-Dakota pool through tubing installed in two separate 4 1/2-inch casing strings, all casing strings being cemented in a common well bore.

Q Would you please explain to the Examiner and for the record the past activities with respect to this particular well.

A This well was originally approved for triple completion in the Gallup Dakota and Mesa Verde formations by the Commission's Order R 1735 on 8-4-60. The Commission's Order R 1869 later approved the well for triple completion in the Dakota Gallup and Greenhorn formations after obtaining a drill stem test on the Greenhorn formation. At a later date the order was revised approving quadruple completion in the Gallup, Greenhorn. The Gallup and Dakota are presently producing through 4 1/2-inch casing string and the Mesa Verde and Greenhorn have both been tested in the 2-7/8 inch casing string. Both zones in the 2-7/8 inch are found to be non-commercial, and the Greenhorn was open plugged and abandoned at the Mesa Verde formation.

Q I hand you what has been marked for identification

dearnley-meier reporting service, inc.

SPECIALIZING IN: DEPOSITIONS, HEARINGS, STATEMENTS, EXPERT TESTIMONY, DAILY COPY, CONVENTIONS

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as Applicant's Exhibit 1, and ask you to state for the record what is shown by that exhibit.

A Exhibit 1 is a lease plat on which the subject well is located, the red arrow indicating the subject well.

Q I hand you what has been marked for identification Exhibit 2, and ask you to state for the record what is shown there.

A Exhibit 2 is a schematic diagram showing present completion of the well and proposed recompletion.

Q Would you go into the mechanics of the proposed recompletion, and all the aspects of the triple completion here involved.

A The well was drilled to a TD of 6958. 13-3/8 casing was set at 220 feet and cemented to surface. Two strings of 4 1/2-inch casing and one string of 2-7/8 inch casing were run into the well at 5935, 6958 and 6640 feet, respectively. The long Dakota string was cemented out the shoe at 6958 to cover the Dakota formation, and 4 1/2-inch Gallup string was cemented out the shoe with 380 sacks to cover the Gallup formation. A stage collar was inserted in one string of 4 1/2-inch casing and cemented with 500 sacks of cement to cement the Mesa Verde formation, and a stage collar was set in the other string of 4 1/2-inch casing to cement the Pictured Cliffs formation. The cement top above the Pictured Cliffs formation, which is the

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zone proposed for recompletion, is 11,700 feet, which completely covers the Pictured Cliffs formation. A cement plug has been set at 5890 to 5950 to shut off the Greenhorn perforation in the 2-7/8 inch string. The Mesa Verde perforations are shown from 4095 to 4599 feet; the Mesa Verde perforations from 4604 to 4613 feet were shut off with a cast iron breach plug in order to shut off water production from a lower zone, prior to perforating the upper Mesa Verde zones. All tests on the Mesa Verde indicate non-commercial due to excessive water production, and it is presently shut in.

Q I hand you what has been marked for identification Applicant's Exhibit 3 and ask you whether you can state for the record what this exhibit is.

A Exhibit 3 is an induction electric log from TD to surface which shows all formation tops of zones perforated in the well, and I believe it shows the proposed zone for recompletion in the Pictured Cliffs--yes.

Q Referring to Exhibit 3, would you state for the record the intervals of the Pictured Cliffs, Gallup and Dakota.

A The Dakota is completed from 5726 to 5734 feet. The Gallup is completed from 5618 to 5618 feet. The proposed Ballard-Pictured Cliffs formation perforations will be from 2290 to 2345.

Q Who-all did you advise of Continental's application in regard to this triple completion?

A Gulf Oil Company and El Paso Natural Gas Production Company.

MR. ROBERTS: For the record, I have had marked as Exhibits 4 and 5 letters from Gulf Oil Corporation and El Paso Natural Gas Company, wherein each stated that they have no objection to this triple completion by Continental Oil Company. In your opinion will there be any danger in triple completing this well of communication between the three zones involved, or any other zones?

A No, I don't believe there will be. I might state at this time that perforating will be done by the oriented perforating method which was used in previous completion of the well.

Q In your opinion will approval of this application for triple completion result in the prevention of waste, and result in efficient production of petroleum hydrocarbons from the well?

A Yes.

MR. ROBERTS: I have no further questions at this time.

MR. NUTTER: Are there any questions? ... Mr. Brown, you previously had perforations in the Mesa Verde from 4604

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to 4613, and a cast iron bridging plug was set above it, and the Mesa Verde then was perforated from 4095 to 4599. This same string is the one that's going to produce from the Pictured Cliffs now?

A Yes.

Q How do you propose to seal off the Mesa Verde perforations?

A By bradenhead squeeze or spotting a cement plug.

Q And you would bring the cement on up to just below the Pictured Cliff interval?

A Yes, it would be somewhere between the two zones, which is a considerable length--probably at least three or four hundred feet above the major zone.

Q The Pictured Cliffs perforations would be from 2330 to 2310, but you're not going to perforate from 2290 to 2245, is that correct?

A There seems to be a difference on the two exhibits there. -- Yes, sir, I believe Exhibit Number 2 is in error. We do plan to perforate from 2290 to 2345 in that interval.

Q Now, you mentioned that R 1735 was originally entered for this well, followed by 1869, and then you mentioned that it had been amended. Do you know the amendment order number?

A No, sir, I couldn't find an order on that in our records--just some correspondence within our company. I

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SPECIALIZING IN: DEPOSITIONS, HEARINGS, STATEMENTS, EXPERT TESTIMONY, DAILY COPY, CONVENTIONS

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understand we did get approval to do it by that latter order, but I don't have the number.

Q You don't know whether that was a hearing or administrative--the amendment after 1869? Do you know if that was an administrative order?

A No, I believe it was a hearing.

MR. NUTTER: We can probably find out in our files. Are there any other questions of Mr. Brown? ... He may be excused.

MR. ROBERTS: I ask at this time that Exhibits 1 through 5 be received in evidence.

MR. NUTTER: Applicant's Exhibits 1 through 5 will be received in evidence in this case. Do you have anything further, Mr. Roberts?

MR. ROBERTS: No, thank you, Mr. Examiner.

MR. NUTTER: Does anyone have anything they want to offer in Case 3190? We will take the case under advisement, and take a fifteen-minute recess.

* * *

dearnley-meier reporting service, inc.

SPECIALIZING IN: DISPOSITIONS, HEARINGS, STATEMENTS, EXPERT TESTIMONY, DAILY COPY, CONVENTIONS

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STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) ss

I, Elizabeth K. Hale, Notary Public and Court Reporter,
do hereby certify that the proceedings in Case Number 3190
were taken and transcribed by me, and that the foregoing is a
true and accurate transcript of proceedings to the best of my
knowledge, skill and ability.

IN WITNESS WHEREOF, my hand and seal of office this 16th
day of January, 1965.

Elizabeth K. Hale
Notary Public

My commission expires
May 23, 1968.

I do hereby certify that the foregoing is
a true and correct record of the proceedings in
the hearing of Case No. 3190
taken on 1/6, 1965.

James H. ... Examiner
New Mexico Oil Conservation Commission