

CASE 3453: Application of SAMEDAN  
OIL CORP. for dual completion of  
its J. H. MOORE "B" WELL NO. 1.

Case Number

3453

Application  
Transcripts.

Small Exhibits

ETC.

State of New Mexico  
Oil Conservation Commission



**September 12, 1966**

SAMEDAN OIL CORPORATION

A. L. Porter, Jr.  
A. L. PORTER, Jr.  
Secretary-Director

**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. 3453  
Order No. R-3113

APPLICATION OF SAMEDAN OIL CORPORATION  
FOR A DUAL COMPLETION, LEA COUNTY, NEW  
MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on September 7, 1966, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 12th day of September, 1966, 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, Samedan Oil Corporation, seeks authority to complete its J. H. Moore "B" Well No. 1, located in Unit E of Section 25, Township 11 South, Range 32 East, NMPM, Lea County, New Mexico, as a dual completion (conventional) to produce oil from the Moore-Pennsylvanian and Moore-Devonian Pools through parallel strings of 2 3/8-inch tubing, with separation of zones by a packer set at approximately 10,250 feet.

(3) That the mechanics of the proposed dual 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, Samedan Oil Corporation, is hereby authorized to complete its J. H. Moore "B" Well No. 1, located in Unit B of Section 25, Township 11 South, Range 32 East, NMPM, Lea County, New Mexico, as a dual completion (conventional) to produce oil from the Moore-Pennsylvanian and Moore-Devonian Pools through parallel strings of 2 3/8-inch tubing, with separation of zones by a packer set at approximately 10,250 feet;

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 Gas-Oil Ratio Test Period for the Moore-Devonian Pool.

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

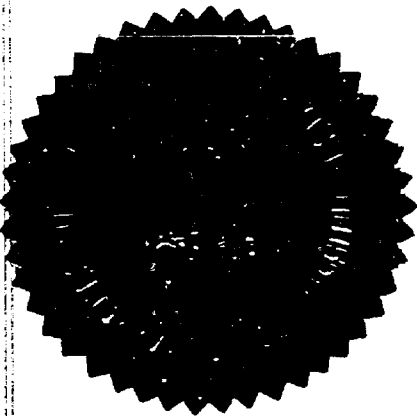
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

*Jack M. Campbell*  
JACK M. CAMPBELL, Chairman

*Guyton B. Hays*  
GUYTON B. HAYS, Member

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



esr/

CASE 3451: Application of Ernest A. Hanson for a dual completion, acreage rededication and an administrative procedure for multiple completions, Lea County, New Mexico. Applicant, in the above-styled cause seeks authority to complete his Max Gutman Well No. 1 located in Unit M of Section 19, Township 22 South, Range 38 East, Lea County, New Mexico, as an oil-oil dual completion (conventional) for the production of oil from the Blinebry Oil Pool and from an undesignated Granite Wash Pool through parallel strings of tubing. Applicant further seeks rededication to the Blinebry Oil Pool of the SW/4 SW/4 of Section 19, Township 22 South, Range 38 East, for the subject well; this acreage is presently dedicated as a part of a 160-acre standard proration unit in the Blinebry Gas Pool to Gulf Oil Corporation's Max Gutman Well No. 1 located in Unit N of said Section 19. Applicant further seeks the establishment of an administrative procedure for the dedication and rededication of acreage from oil to gas, or from gas to oil, and for the dual completion in any combination as to the San Andres, Paddock, Blinebry Oil, Tubb Oil, Drinkard and Granite Wash formations in the area of the subject well.

CASE 3452: Application of Union Oil Company of California for an unorthodox location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Commission Rule 104 to permit the completion in the Pennsylvanian formation of its Red Hills Unit Well No. 2 located at an unorthodox Pennsylvanian location 990 feet from the North line and 1650 feet from the East line of Section 5, Township 26 South, Range 33 East, Red Hills Pennsylvanian Gas Pool, Lea County, New Mexico. Said well is presently projected and drilling to the Wolfcamp formation by authority of Commission Order No. R-3073.

CASE 3453: Application of Samedan Oil Corporation for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause seeks approval of the dual completion (conventional) of its J. H. Moore "B" Well No. 1 located in Unit E of Section 25, Township 11 South, Range 32 East, Lea County, New Mexico, to produce oil from the Moore Pennsylvanian and Moore Devonian Pools through parallel strings of tubing.

CASE 3454: Application of Yates Petroleum Corporation for pool consolidation and extension, Eddy County, New Mexico. Applicant, in the above-styled cause seeks the consolidation of Four Mile-San Andres Pool and the Penasco-San Andres Pool, Eddy County, New Mexico, into one pool, and for vertical extension of said pool to include both the San Andres and the Yeso formations.

DOCKET: EXAMINER HEARING - WEDNESDAY - SEPTEMBER 7, 1966

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 3439: (Continued from the August 3, 1966 Examiner Hearing)

In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit Scanlon and Shepard and all other interested parties to show cause why the following Scanlon and Shepard wells in Township 20 North, Range 9 West, McKinley County, New Mexico, should not be plugged and abandoned in accordance with a Commission-approved plugging program: Santa Fe Pacific Railroad Lease: Wells Nos. 1, 3, 4, 5, 7, and 8, all in Unit P, No. 10 in Unit H, and No. 2 in Unit L, all in Section 21; Well No. 6 in Unit L and Nos. 9 and 12 in Unit M of Section 22 and Nos. 11 and 13 in Unit D of Section 27. Ray Well No. 1 in Unit, C, State Wells Nos. 1 and 2 in Unit A, and State K-1883 No. 1 in Unit B, all in Section 23.

CASE 3440: (Continued from the August 3, 1966 Examiner Hearing)

In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit Osborn & Weir, and all interested parties, to show cause why the following Osborn & Weir wells in Township 20 North, Range 9 West, McKinley County, New Mexico, should not be plugged and abandoned in accordance with a Commission-approved plugging program: Scanlon Well No. 17 in Unit P of Section 21 and Nos. 14 and 18 in Unit M of Section 22; Scanlon Ray Wells No. 5 in Unit A and No. 6 in Unit C of Section 28.

CASE 3441: (Continued from the August 3, 1966 Examiner Hearing)

In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit LaMar Trucking, Inc., and all interested parties, to show cause why their State Well No. 1 located 495 feet from the North and West lines of Section 28, Township 20 North, Range 9 West, McKinley County, New Mexico, should not be plugged and abandoned in accordance with a Commission-approved plugging program.

CASE 3449: Application of Ray Smith Drilling Company for a unit agreement, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of its Shugart 18-Queen Unit Area comprising 264 acres, more or less, of Federal land in Township 18 South, Ranges 30 and 31 East, Eddy County, New Mexico.

CASE 3450: Application of Ray Smith Drilling Company for a waterflood project, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project on its Shugart 18 Queen Unit Area by the injection of water into three wells located in Section 13, Township 18 South, Range 30 East, and Section 18, Township 18 South, Range 31 East, Shugart Pool, Eddy County, New Mexico.

JASON W. KELLAHIN  
ROBERT E. FOX  
FORREST S. SMITH

KELLAHIN AND FOX  
ATTORNEYS AT LAW  
54 1/2 EAST SAN FRANCISCO STREET  
POST OFFICE BOX 1769  
SANTA FE, NEW MEXICO 87501

TELEPHONE 982-4315  
AREA CODE 505

August 8, 1966

*Case 3453*

RECEIVED

1966 AUG 9 PM 1 17

New Mexico Oil Conservation Commission  
Post Office Box 2088  
Santa Fe, New Mexico

Gentlemen:

Enclosed, in duplicate, is the application of Samedan Oil Corporation for permission to dually complete its J. H. Moore No. 1 "B" well, Moore-Devonian-Pennsylvanian Pool, Lea County, New Mexico.

It will be appreciated if this application can be advertised for the next available examiner hearing of the Commission.

Yours very truly,

*Jason W. Kellahin*  
Jason W. Kellahin

JWK;peg  
Enc.

DOCKET MAILED

Date 8-25-66

*OK*



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

Form C-107  
5-1-61

*Case 3453*

Operator <b>Samedan Oil Corporation</b>		County <b>Lea</b>	Date <b>July 28, 1966</b>
Address <b>2207 Wilco Bldg. - Midland, Texas</b>		Lease <b>J. H. Moore "B"</b>	Well No. <b>1</b>
Location of Well <b>E</b>	Unit <b>25</b>	Section <b>11-S</b>	Range <b>32-E</b>

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.: '66 Aug 9 PH 1 17

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	<b>Moore-Penn</b>		<b>Moore-Devonian</b>
b. Top and Bottom of Pay Section (Perforations)	<b>(Pennsylvanian)</b>		<b>(Devonian)</b>
c. Type of production (Oil or Gas)	<b>8380' - 8520'</b>		<b>10302' - 10310'</b>
d. Method of Production (Flowing or Artificial Lift)	<b>Oil</b>		<b>Oil</b>
	<b>Flow</b>		<b>Flow</b>

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 type="checkbox"/>            | <input checked="" 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.

Texaco, Inc., Box 728, Hobbs, New Mexico

Reese Cleveland, First State Bank Bldg., Midland, Texas

L. C. Harris, Hinkle Bldg., Roswell, 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 July 28, 1966.

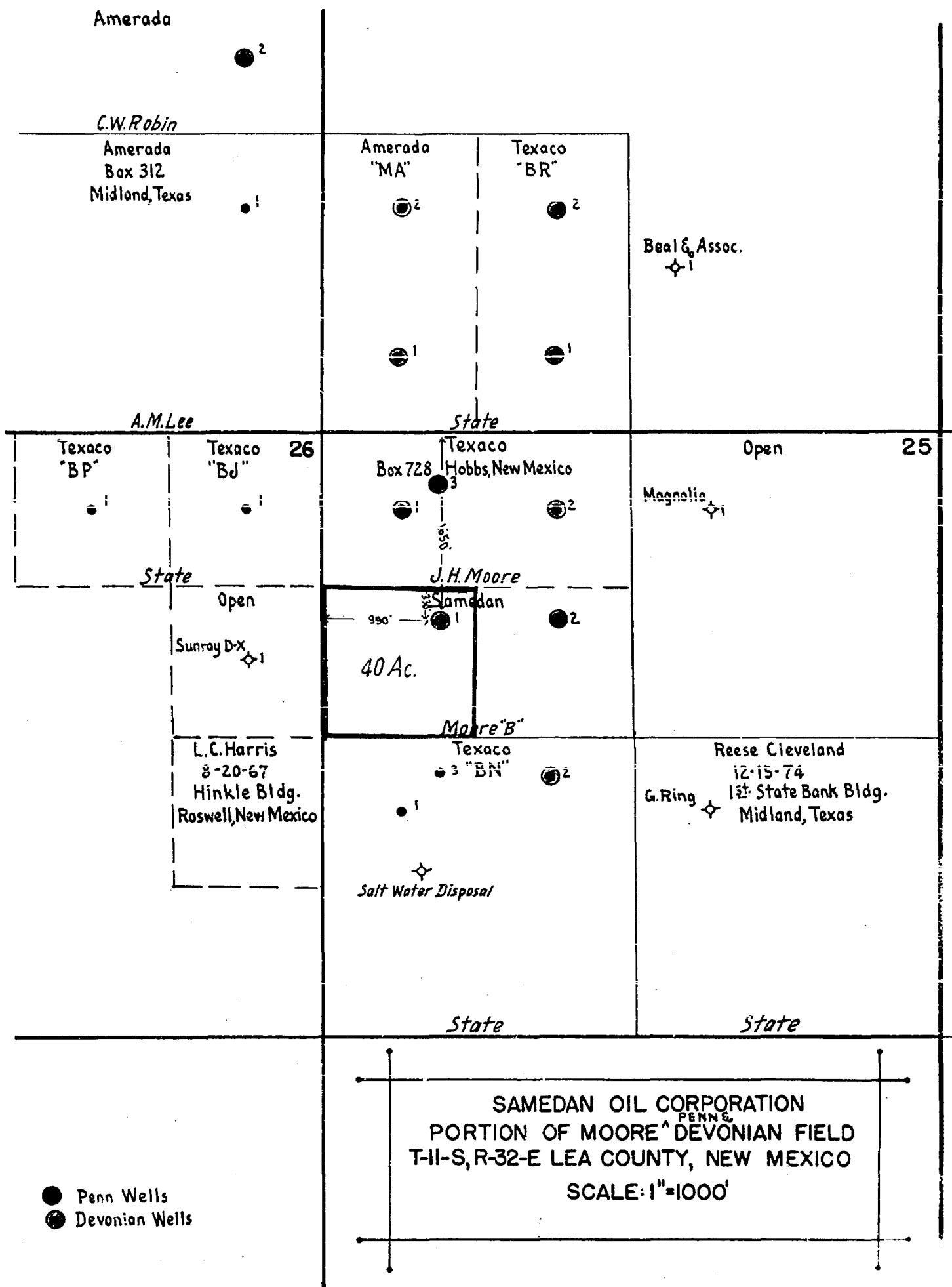
CERTIFICATE: I, the undersigned, state that I am the Div. Production Supt. of the Samedan Oil Corporation (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

G. W. Putnam

Signature

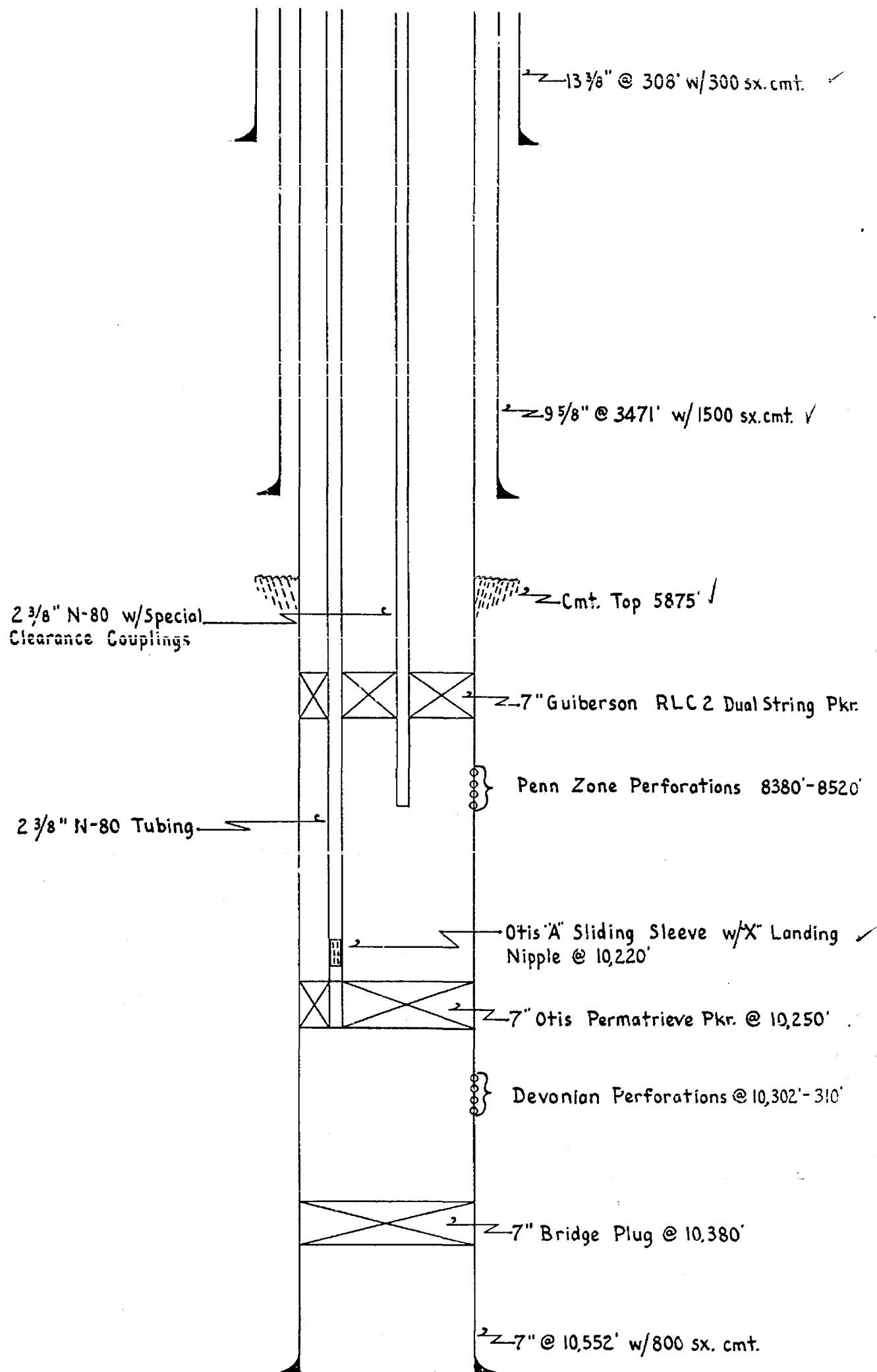
\*Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed 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.



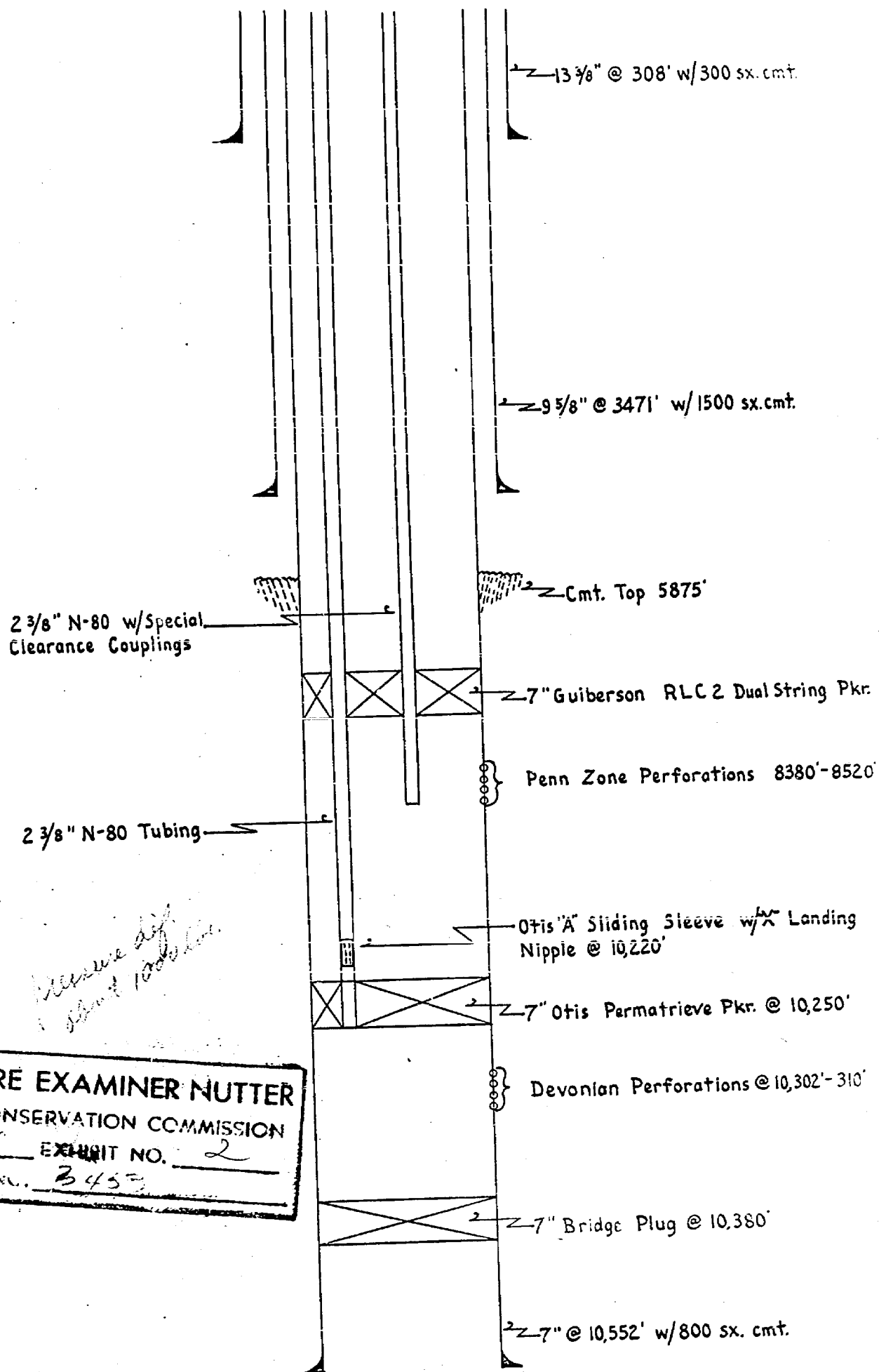
SAMEDAN OIL CORPORATION  
 J. H. MOORE "B", WELL NO. 1  
 Section 25, T-11-S, R-32-E  
 Lea County, New Mexico

PROPOSED DUAL COMPLETION MOORE PENN AND  
 MOORE DEVONIAN POOLS



SAMEDAN OIL CORPORATION.  
J. H. MOORE "B", WELL NO. 1  
Section 25, T-11-S, R-32-E  
Lea County, New Mexico

PROPOSED DUAL COMPLETION MOORE PENN AND  
MOORE DEVONIAN POOLS



BEFORE EXAMINER NUTTER  
OIL CONSERVATION COMMISSION  
App. EXHIBIT NO. 2  
CASE NO. 3457

SAMEDAN OIL CORPORATION  
2207 WILCO BUILDING  
MIDLAND, TEXAS 79704

September 12, 1966

SEP 14 1966

*File  
Case 3453*

Mr. Daniel S. Nutter, Examiner  
New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Dear Mr. Nutter:

On September 7, 1966, during the course of the hearing of case No. 3453, you requested the following information:

The average bottom hole pressure for the Devonian reservoir is approximately 3868 PSIG. Although no BHP has been run on the Texaco J. H. Moore #3, from DST on the Samedan J. H. Moore #2, the BHSIP in the Penn zone was 2351 PSIG.

The gravity of the crude from the Devonian averages 45.0. The crude from the Penn zone is 46.0.

Should you need any further information, please contact us.

Yours truly,

SAMEDAN OIL CORPORATION

*Glenn Cope*  
Glenn Cope  
Division Engineer

GC:faw

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BEFORE THE  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
September 7, 1966

EXAMINER HEARING

IN THE MATTER OF:  
Application of Samedan Oil  
Corporation for a dual  
completion, Lea County, New  
Mexico.

CASE NUMBER  
3453

BEFORE:

DANIEL S. NUTTER, Examiner

TRANSCRIPT OF HEARING

MR. HATCH: Application of Samedan Oil Corporation for a dual completion, Lea County, New Mexico.

MR. KELLAHIN: Jason Kellahin, Kellahin and Fox, Santa Fe, representing the applicant. We have one witness I would like to have sworn, please.

(Witness sworn.)

EDWARD GLENN KOPE

called as a witness, having been first duly sworn, was examined and testified as follows:

DIRECT EXAMINATION

BY MR. KELLAHIN:

Q Would you state your name, please?

A I am Edward Glenn Kope.

Q By whom are you employed and in what position, Mr. Kope?

A I am employed by Samedan Oil Corporation as a Division Engineer.

Q Have you ever testified before the Oil Conservation Commission of New Mexico?

A No, I haven't.

Q For the benefit of the Examiner, would you please outline your education and experience as a petroleum engineer?

A I graduated from Texas Tech in the fall semester

of 1961. I immediately entered the employment of British-American Oil Corporation, Oil Producing Company as a Field Engineer. From there, I gained employment with Camco, Incorporated and for the last two years I have worked for Samedan.

Q What are your duties with Samedan at the present time?

A Just design and execute the drilling and completion and the general engineering duties associated with my position.

Q Where are you located, Mr. Kope?

A Midland, Texas.

Q Are you the Division Engineer at Midland?

A Right.

Q Does the division include the area involved in the application in Case 3453?

A Yes, it does.

MR. KELLAHIN: We submit the witness' qualifications.

MR. NUTTER: They are fine, if I know how to spell his name.

MR. KELLAHIN: K-o-p-e.

MR. NUTTER: Thank you.

Q (By Mr. Kellahin) Mr. Kope, are you familiar with the application of Samedan Oil Corporation in Case 3453?

A Yes, sir.



(Whereupon, Exhibit Number 1 was marked for identification.)

Q Briefly, what does Samedan propose to do in Case 3453?

A Samedan proposes to enter the J. H. Moore "B" Well Number 1 on our Moore "B" lease in Section 25 of the Moore Field in Township 11 South, Range 32 East and dually complete this well in the Pennsylvanian zone and the Devonian zone.

Q Is that well location shown on what has been marked as Exhibit Number 1?

A Yes, sir, it is.

Q What other information is contained on the exhibit?

A On the Exhibit Number 1 we have two other wells which have been completed for some time in the Pennsylvanian zone. This is the Amarada C. W. Robinson Number 2 and Texaco State BN Well Number 1. Also, on the adjoining lease to the north, the Texaco J. H. Moore lease, Texaco has recently drilled and completed the Number 3 Well in the Pennsylvanian zone.

Q Then there are three wells in the immediate vicinity that are productive from the Pennsylvanian zone, is that correct?

A Correct.

(Whereupon, Exhibit Number 2 was marked for identification.)

Q Referring to what has been marked as Exhibit Number

2, would you state what is shown on that exhibit?

A This is a diagram of the mechanical equipment, down hole equipment proposed for the dual completion of these two zones.

Q Is this a conventional type of dual completion that has been used in Lea County and Eddy County?

A Right.

Q Has it been used, to your knowledge, involving these two particular zones, or do you know?

A No, sir, I do not believe that it has in this field.

Q That's the reason it was necessary to have an application at this time, is that correct?

A Yes, sir.

Q Now, is that a permanent type packer to be set in the lower zone?

A Yes, sir, it is. It may be retrieved by mechanical means if it should become necessary.

Q It is an Otis permanent type packer?

A Yes, it is.

Q You will produce the two zones. Will you describe how they will be produced?

A The lower zone, the Devonian will be produced through the lower packer and through an independent string

of tubing to the surface. The Pennsylvanian zone will produce through the upper set of perforations, above the lower packer and beneath the upper packer, through the shorter string of tubing to the surface.

Q Now, do you have any information on the pressures in the two zones, Mr. Kope?

A No, sir, I do not.

Q Do you have any idea what pressure would be across the packer between the two zones?

A Yes, sir. At this time the differential across the lower packer would be less than 1,000 pounds.

Q Is this type of completion adequate to protect against communication with that type of pressure?

A Yes, it is.

Q Do you have any information on the grafts of the fluids in the two zones?

A No, sir, I do not.

Q When that becomes available to you, will you make it available to the Commission?

A Yes.

Q Now, Mr. Lope, do you have a copy of a log on this well?

A Yes, sir.

Q Or on a Texas well showing the two zones? What

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PAGE

7

is the log on?

A These are logs on the proposed dual well Samedan Oil Corporation J. H. Moore "B" Well Number 1.

(Whereupon, Exhibit Number 3 was marked for identification.)

Q What information is shown on that log, now, Mr. Kope?

A The information on this log shows the detailed section through the Pennsylvanian zone and through the Devonian zone, the two zones of interest in the well.

Q The well penetrated both zones at the time it was drilled, is that correct?

A Yes, sir.

Q It was a deep test?

A Yes.

Q And what is the present status of the well?

A It is a flowing top allowable Devonian well.

Q You have not made your dual completion as proposed in this application, is that correct?

A That is correct.

Q Do you have any information on well costs for the completion of single completions in the Pennsylvanian-Cisco, or dual completions as you propose?

A Yes, sir. Texaco gave us the figure of \$105,000 to drill and complete the J. H. Moore Number 3 on the adjoining

lease and our proposed dual completion cost, \$24,442.

Q Do you have any information on reserves or any indication as to what the reserves might be underlying your lease?

A Based upon the three producing wells from the Pennsylvanian Section in the field, on the Amerada C. W. Robinson Number 2 Well, the well has a cumulative of 12,767 barrels of oil and Texaco State BN Well Number 1 has a cumulative of 26,968 barrels of oil; and the reserves are estimated in the range of twenty to thirty thousand for the Samedan J. H. Moore "B" Well Number 1.

Q Is that based on a calculation from the information from the adjoining wells?

A Yes, it is.

Q Now, with those kind of reserves, could you afford to make a single completion to the Pennsylvanian-Cisco formation?

A No, sir, we cannot.

Q Would you do so?

A No, sir.

Q Would the approval of the dual completion, as proposed here, then result in the recovery of oil that would not otherwise be recovered?

A Yes, it would.

Q Would there be any danger, in your opinion, of

communication between the two zones?

A No.

Q Would it then result in the prevention of waste and the protection of correlative rights?

A Yes.

Q Were Exhibits 1, 2 and 3 prepared by you or under your supervision?

A Yes, they were.

MR. KELLAHIN: I offer Exhibits 1, 2 and 3.

MR. NUTTER: Applicant's Exhibits 1 through 3 will be admitted in evidence.

(Whereupon, Exhibits 1, 2 and 3 were admitted in evidence.)

MR. KELLAHIN: That's all I have on direct examination, Mr. Nutter.

CROSS EXAMINATION

BY MR. NUTTER:

Q Mr. Kope, you stated that you had no information regarding the gravity or bottom hole pressures here?

A Not with me.

Q What about the gravity of the Devonian? You have a well there in Devonian. Do you know what that is?

A Yes, sir. We certainly do, but I do not have that information with me.

Q And GOR information, do you have that on the

adjoining wells in the Penhsylvanian?

A Yes, sir, we do.

Q The two wells which are presently producing in the Pennsylvanian zone, the Texaco BN Number 1 is not currently producing?

A The reported GOR for the Amerada C.W. Robinson is 34,455 to one. Exaco State J. H. Moore Number 3 has a reported gas-oil ratio of 3,590 to one. In the Devonian our gas produced is too small to measure.

Q Did I understand you that Amerada GOR is 35,000 to one?

A 34,455 to one.

Q The Texaco well is 3,500 to one?

A Yes.

Q When you get home would you find out what the gravities for both zones are, and also the bottom hole pressures for the nearest adjacent well, for the two zones, and furnish that information to us, please?

A Yes. Certainly will.

Q Would it be possible, Mr. Kope, to separately and independently list each of these zones in the dual completion?

A Yes, it will.

MR. NUTTER: Are there any other questions of the witness? He may be excused.

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PAGE

11

(Witness excused.)

MR. NUTTER: Do you have anything further, Mr. Kellahin?

MR. KELLAHIN: That's all, Mr. Nutter.

MR. NUTTER: Does anyone have anything they wish to offer in Case 3453? We will take the case under advisement.



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PAGE

12

STATE OF NEW MEXICO )  
COUNTY OF BERNALILLO ) ss

I, ADA DEARNLEY, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached transcript of hearing was reported by me in stenotype and that the same was reduced to typewritten transcript under my personal supervision and contains a true and correct record of said proceedings, to the best of my knowledge, skill and ability.

*Ada Dearnley*  
NOTARY PUBLIC

My Commission Expires:

June 19, 1967

I do hereby certify that the foregoing is  
a correct record of the proceedings in  
the Expert Hearing of Case No. **3453**  
heard by me on **9/7**, 19 **66**.  
*Heather*  
New Mexico Oil Conservation Commission