

CASE 4256: Application of SOCONY
MONET FOR THE completion of its
STATE BRIDGES NO. 27 WILL.

Case No.

2856

Application, Transcript,
Small Exhibits, Etc.

DRAFT

JMD/esr
July 16, 1963

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. 2855

Order No. R-2532

APPLICATION OF SOCONY MOBIL OIL
COMPANY, INC., FOR A DUAL COMPLE-
TION, LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on
July 10, 1963, at Santa Fe, New Mexico, before Elvis A. Utz
Examiner duly appointed by the Oil Conservation Commission of New
Mexico, hereinafter referred to as the "Commission," in accordance
with Rule 1214 of the Commission Rules and Regulations.

NOW, on this _____ day of July, 1963 the Commission,
a quorum being present, having considered the application, the
evidence adduced, and the recommendations of the Examiner,
Elvis A. Utz, 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, Socony Mobil Oil Company, Inc.,
seeks authority to complete its State Bridges Well No. 97,
located in Unit P of Section 26, Township 17 South, Range 34
East, NMPM, Vacuum Field, Lea County, New Mexico, as a dual completion

(conventional) to produce oil from the ~~Blindery~~ and Glorieta
formations, Vacuum Field, through parallel strings of 1-610
inch 2 1/2 tubing, with separation of zones by a packer set at
approximately 6345 feet.

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

1 1/2 inch O.D. tubing

(4) That approval of the proposed dual completion will prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Socony Mobil Oil Company, Inc., is hereby authorized to complete its State Bridges Well No. 97, located in Unit *J* of Section 26, Township 17 South, Range 34 East, *Vacuum Field* NMPM, Lea County, New Mexico, as a dual completion (conventional) to produce oil from the *Blindry* and Glorieta formations, *Vacuum Field*, through parallel strings of *2 1/16* inch *OD* tubing, with separation of zones by *a* packer set at approximately *6345* feet. *and to produce oil from the Blindry formation*

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* *leak-off* tests upon completion and annually thereafter during the *Gas-Oil Ratio* Test Period for the *Blindry formation*.

(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.

1 1/2 inch OD tubing

Case. 2886

Heard. 7-10-63

Rec. 7-11-63

1. Grant Socomay Motile's authority to dually complete their St. Bridgetth 97, located 0-26-175-34E. Completion to ~~the~~ be in the Chascomus-Blineby and Glorieta ponds. or
2. Grant authority to install -1.610 S.D. tubing in exception to Rule 112-A.
3. Grant PAC order otherwise.
4. This is a conventional Dual.

Thos. A. [Signature]

BEFORE THE OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION)
OF SOCONY MOBIL OIL COMPANY FOR)
AUTHORITY TO RECOMPLETE AS A)
DUAL COMPLETION ITS STATE BRIDGES)
NO. 97 WELL IN SECTION 26, TOWN-)
SHIP 17 SOUTH, RANGE 34 EAST, LEA)
COUNTY, NEW MEXICO, AND FOR EXCEP-)
TION TO COMMISSION'S RULE 112-A)

CASE NO. 2856

APPLICATION

SECONY MOBIL OIL COMPANY requests authority for the
recompletion as a dual completion of its State Bridges No.
97 Well located in Unit 0, Section 26, Township 17 South,
Range 34 East, Lea County, New Mexico, and further requests
exception to the Commission's Rule 112-A. Exception is
required in order to install 1-1/2" nominal tubing with
an 1.610" I.D. Applicant requests that this matter be set
for hearing as prescribed by law and the regulations of
this Commission before a designated Hearing Examiner.

DATED this 7th day of June, 1963.

SECONY MOBIL OIL COMPANY, Applicant
by its attorneys:

MODRALL SEYMOUR SPERLING ROEHL & HARRIS

By

James E. Sperling
James E. Sperling
P. O. Box 466
Albuquerque, New Mexico

*Vacuum
Blind
& Gloineta*

No. 19-63

County, New Mexico, including the conversion of additional wells to water injection.

CASE 2854:

Application of Pan American Petroleum Corporation for an unorthodox location and a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the dual completion (conventional) of its SMU Well No. 15 to produce oil from the Fowler-Blinebry and Fowler-Ellenburger Pools through parallel strings of tubing, said well to be at an unorthodox location for the Fowler-Ellenburger Pool at a point 660 feet from the North and East lines of Section 22, Township 24 South, Range 37 East, Lea County, New Mexico.

CASE 2855:

Application of Pan American Petroleum Corporation for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the dual completion (conventional) of its SMU Well No. 1 located in Unit J of Section 15, Township 24 South, Range 37 East, Lea County, New Mexico, to produce oil from the Fowler-Blinebry and Fowler-Ellenburger Pools through parallel strings of tubing.

CASE 2856:

Application of Socony Mobil Oil Company for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the dual completion (conventional) of its State Bridges No. 97 well located in Unit O of Section 26, Township 17 South, Range 34 East, Lea County, New Mexico, to produce oil from the Blinebry and Glorieta formations, Vacuum Field, through parallel strings of 1.61 inch I.D. tubing.

CASE 2575:

(Reopened)

In the matter of Case No. 2575 being reopened pursuant to the provisions of Order No. R-2267, which order established temporary 80-acre oil proration units and 320-acre gas proration units for the Lybrook-Gallup Pool, Rio Arriba 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 160-acre gas and 40-acre oil spacing.

CASE 2857:

Application of Standard Oil Company of Texas for special pool rules, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks the establishment of special pool rules for the Boulder-Mancos Oil Pool, Rio Arriba County, New Mexico, including provisions for 80-acre spacing therein.

CASE 2858:

Application of Standard Oil Company of Texas for special pool rules, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks the establishment of special pool rules for the La Plata-Gallup Oil Pool, San Juan County, New Mexico, including provisions for 80-acre spacing therein.

iqg/

DOCKET: EXAMINER HEARING - WEDNESDAY - JULY 10, 1963

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

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

- CASE 2848: Application of Skelly Oil Company for a unit agreement, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval of its East Bisti Unit Area comprising 17,812 acres of Federal, State and Indian lands in Townships 24 and 25 North, Ranges 9, 10, and 11 West, San Juan County, New Mexico.
- CASE 2849: Application of Skelly Oil Company for a waterflood project, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in the Bisti Lower-Gallup Oil Pool, San Juan County, New Mexico, by the injection of water into the Gallup formation through 34 wells in its East Bisti Unit Area.
- CASE 2850: Application of Shell Oil Company for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the East Pearl-Queen Unit Area comprising 2440 acres of State and Fee lands in Township 19 South, Range 35 East, Lea County, New Mexico.
- CASE 2851: Application of Shell Oil Company for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project on its East Pearl Queen Unit by the injection of water into the Queen formation through 29 wells in Sections 15, 21, 22, 26, 27, 34 and 35, Township 19 South, Range 35 East, Lea County, New Mexico.
- CASE 2852: Application of Amerada Petroleum Corporation for a triple completion and for commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the triple completion (combination) of its State NJ "A" Well No. 1 located in Unit A of Section 2, Township 25 South, Range 37 East, North Justis Field, Lea County, New Mexico, to produce oil from the McKee and Ellenburger zones through 1- $\frac{1}{2}$ inch tubing inside parallel strings of 3- $\frac{1}{2}$ inch casing and from the Montoya zone through 1- $\frac{1}{4}$ inch tubing inside 2- $\frac{7}{8}$ inch casing, all casing strings to be cemented in a common well bore. Applicant further seeks to add the Montoya zone to the commingling authority previously granted by Administrative Order No. PC-84.
- CASE 2853: Application of Humble Oil & Refining Company for an amendment to Order No. R-2154, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval of the expansion of its Cha Cha-Gallup Pressure Maintenance Project, San Juan

J. R. MODRALL
AUGUSTUS T. SEYMOUR
JAMES E. SPERLING
JOSEPH E. ROEHL
GEORGE T. HARRIS
DANIEL A. SISK
LELAND S. SEDBERRY
ALLEN C. DEWEY
FRANK H. ALLEN
JAMES A. BORLAND
JAMES P. SAUNDERS
JAMES A. PARKER

LAW OFFICES OF
MODRALL, SEYMOUR, SPERLING, ROEHL & HARRIS

SIMMS BUILDING
P. O. BOX 466

ALBUQUERQUE, NEW MEXICO
TELEPHONE 243-4511

June 7, 1963

JOHN F. SIMMS (1865-1954)

Case 2856

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

Gentlemen:

Enclosed herewith is the Application of Socony
Mobil Oil Company for exception to Rule 112-A and
recompletion authority which you will please file
and set for Examiner's Hearing.

Very truly yours,

James E. Sperling
James E. Sperling

JES/sd

Enc.

DOCKET MAILED

Date *6/28/63*

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. 2856
Order No. R-2532

APPLICATION OF SOCONY MOBIL OIL
COMPANY, INC., FOR A DUAL COMPLE-
TION, LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on July 10, 1963, at Santa Fe, New Mexico, before Elvis A. Utz, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 30th day of July, 1963, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Elvis A. Utz, 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, Socony Mobil Oil Company, Inc., seeks authority to complete its State Bridges Well No. 97, located in Unit F of Section 26, Township 17 South, Range 34 East, NMPM, Vacuum Field, Lea County, New Mexico, as a dual completion (conventional) to produce oil from the Glorieta formation through 1 1/2-inch OD tubing and to produce oil from the Blinabry formation through a parallel string of 2 1/16-inch OD tubing, with separation of zones by a packer set at approximately 6345 feet.

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

(4) That approval of the proposed dual completion will prevent waste and protect correlative rights.

-2-
CASE No. 2856
Order No. R-2532

IT IS THEREFORE ORDERED:

(1) That the applicant, Socony Mobil Oil Company, Inc., is hereby authorized to complete its State Bridges Well No. 97, located in Unit P of Section 26, Township 17 South, Range 34 East, BHPM, Vacuum Field, Lea County, New Mexico, as a dual completion (conventional) to produce oil from the Glorieta formation through 1 1/2-inch OD tubing and to produce oil from the Blinbry formation through a parallel string of 2 1/16-inch OD tubing, with separation of zones by a packer set at approximately 6345 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 Gas-Oil Ratio Test Period for the Blinbry formation.

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

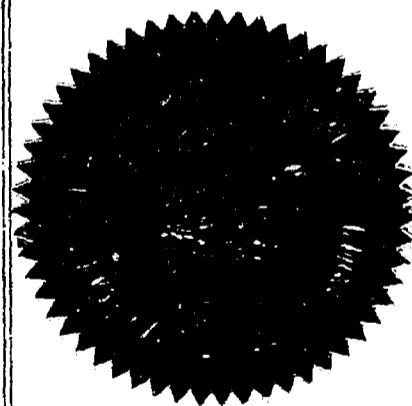
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

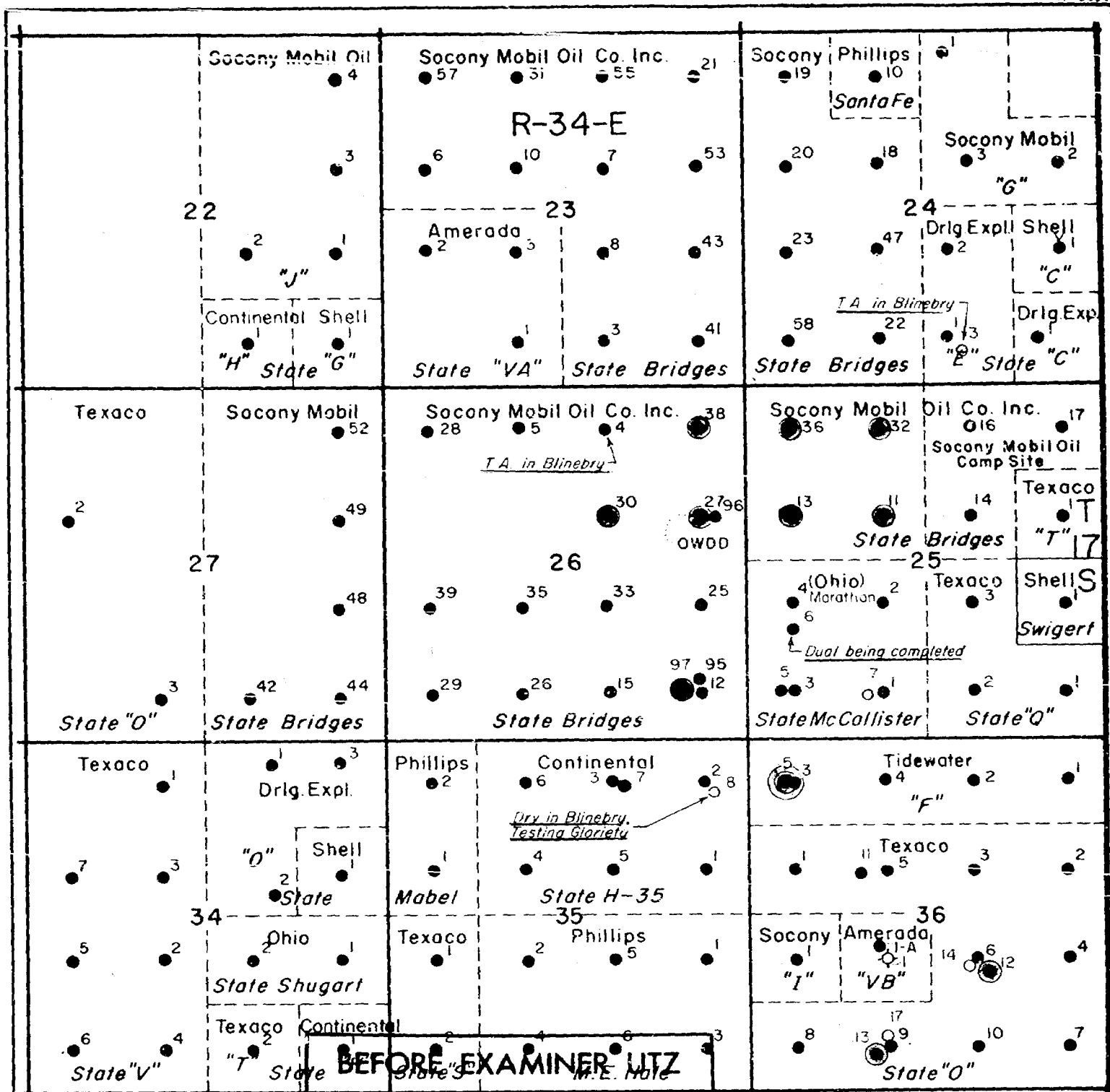
Jack M. Campbell
JACK M. CAMPBELL, Chairman

E. S. Walker
E. S. WALKER, Member

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



ccr/



BEFORE EXAMINER LITZ

OIL CONSERVATION COMMISSION

EXHIBIT NO. 1

CASE NO. 2856

— LEGEND —



Vacuum Blinebry
Vacuum Glorieta

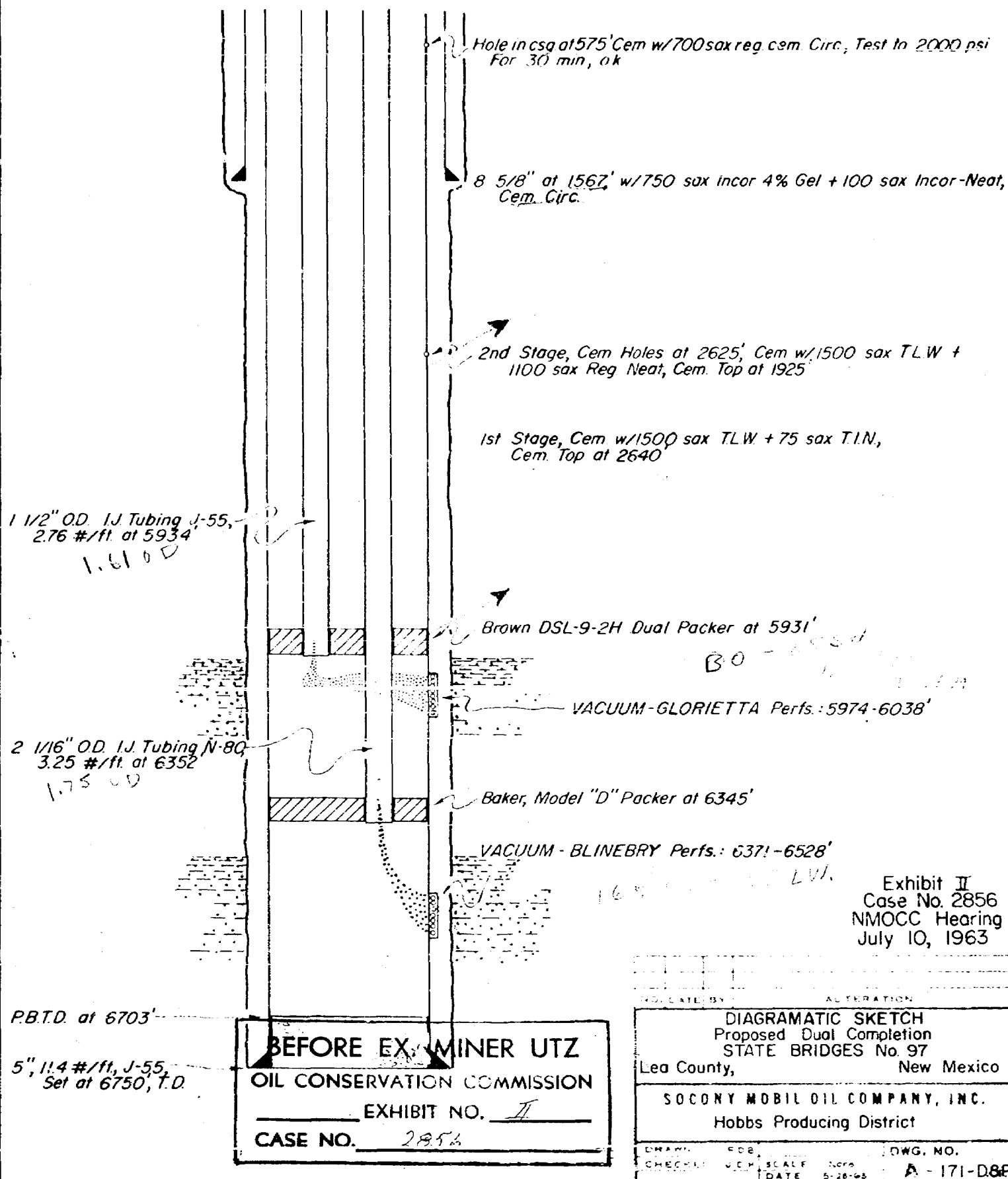
EXHIBIT 1
Case No. 2856
NMOCC Hearing
July 10, 1963

NO.	DATE	BY	ALTERATION
VACUUM BLINEBRY - GLORIETA COMPLETIONS			
Lea County,		New Mexico	
SOCONY MOBIL OIL COMPANY, INC.			
Hobbs Producing District			
DRAWN	F.D.B.	SCALE	DWG. NO.
CHECKED	J.E.B.	1" = 2000'	A-172-D&P
DATE		6-25-63	

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BE COPIED OR USED EXCEPT FOR THE PURPOSE FOR WHICH

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THEREOF (PARTIAL OR COMPLETE) SHALL BE RETURNED TO
THE OWNER ON DEMAND.

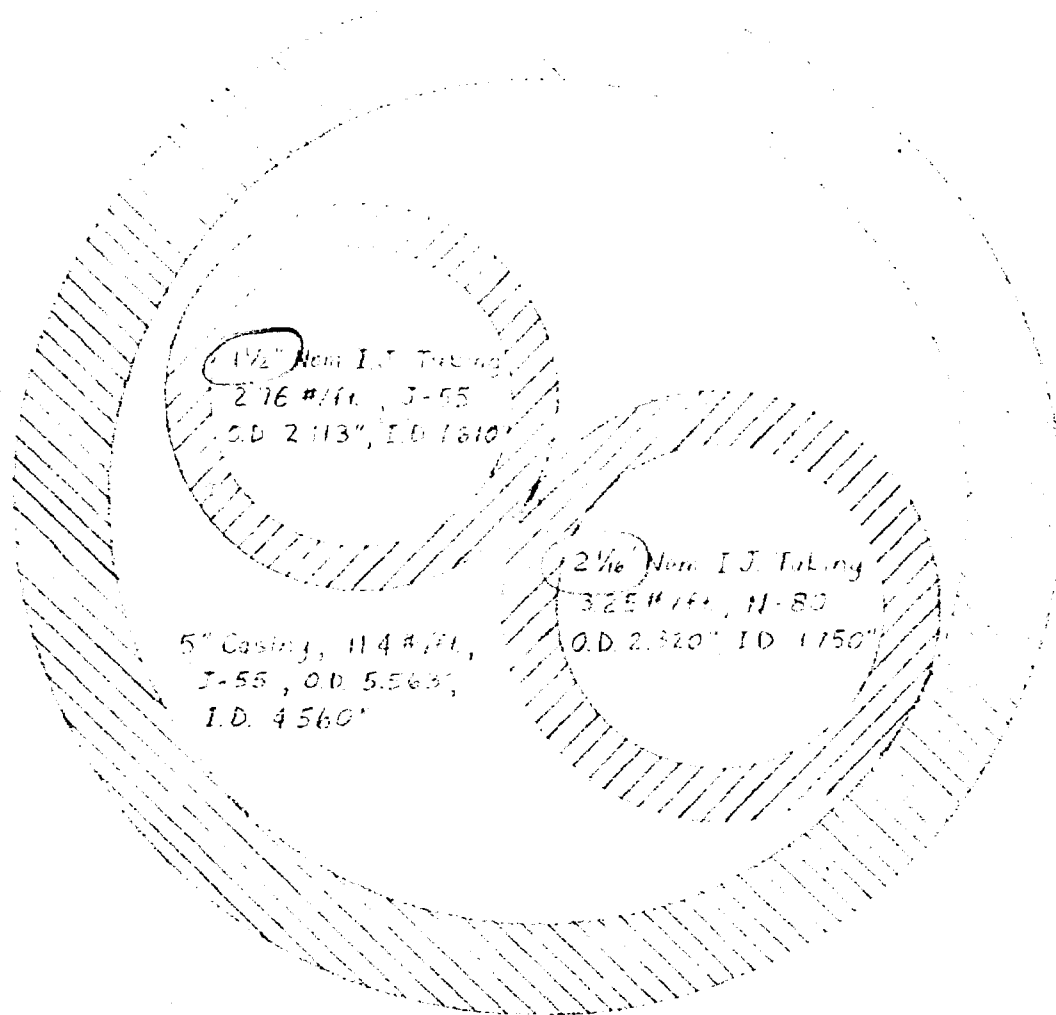
C 07222011-811



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IT IS EXPRESSLY FURNISHED. THE DRAWING AND ANY COPY
THEREOF (PARTIAL OR COMPLETE) SHALL BE RETURNED
THE OWNER ON DEMAND.

C072.



Total Clearance 0.127"

Exhibit III
Case No. 2856
NMOCC Hearing
July 10, 1963

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION

EXHIBIT NO. III

CASE NO. 2856

NO.	DATE	BY	ALTERATION
			TUBING - CASING CLEARANCES
			Drill Completion
			STATE BRIDGES No 97
			Lea County, New Mexico
SOCONY MOBIL OIL COMPANY, INC.			
Hobbs Producing District			
DRAWN	JER	DWG. NO.	
CHECKED	JPH	SCALE	
		DATE	2-24-63
			A-173-D4P

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
July 10, 1963

EXAMINER HEARING

IN THE MATTER OF:

Application of Socony Mobil Oil Company for a
dual completion, Lea County, New Mexico.
Applicant, in the above-styled cause, seeks
approval of the dual completion (conventional)
of its State Bridges No. 97 well located in
Unit O of Section 26, Township 17 South, Range
34 East, Lea County, New Mexico, to produce
oil from the Blinbry and Glorieta formations,
Vacuum Field, through parallel strings of 1.61
inch I.D. tubing.

CASE 2856

BEFORE: Elvis A. Utz, Examiner

TRANSCRIPT OF HEARING

MR. UTZ: Case 2856.

MR. DURRETT: Application of Socony Mobil Oil Company
for a dual completion, Lea County, New Mexico.

MR. SPERLING: Jim Sperling appearing for the Applicant,
Socony Mobil Oil Company. We have one witness.

(Witness sworn.)

MR. UTZ: Are there any other appearances in this case?
You may proceed.

(Whereupon, Socony's Exhibits
Nos. 1 through 3 marked for
identification.)

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PHONE 325-1182

SANTA FE, N. M.
PHONE 983-3871

ALBUQUERQUE, N. M.
PHONE 243-6691



J. E. BOHANNON, JR.

called as a witness, having been first duly sworn on oath, testified as follows:

DIRECT EXAMINATION

BY MR. SPERLING:

Q State your name, please.

A J. E. Bohannon, Jr.

Q Where do you live, Mr. Bohannon?

A I live in Hobbs, New Mexico.

Q Have you testified on previous occasions before this Commission?

A No, sir, I have not.

Q That being the case, would you give us a resume of your educational background and experience background in the field of petroleum engineering?

A I graduated from Texas Technological College in August, 1956, with a Bachelor of Science degree in Petroleum Engineering. I have worked as a field petroleum engineer for Magnolia Petroleum Company in Eunice, New Mexico, for a period of one year. Following two years in the United States Army, I returned to Mobil as an engineer trainee for a short time. In July of 1960 I was employed by Wood, McShane, and Porter, a petroleum engineering consultant firm, as a field and evaluation engineer for a period of one year. Since July of 1961 I have worked for Mobil Oil Company as a junior production engineer concerned primarily with automation

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and proration work. I am a registered professional engineer in the State of New Mexico, and my number is 3802.

MR. SPERLING: Are the witness' qualifications acceptable, Mr. Examiner?

MR. UTZ: Yes, sir, they are.

Q (By Mr. Sperling) Mr. Bohannon, will you refer to what has been marked for identification as Mobil's Exhibit No. 1 in this matter and tell us what it represents?

A It's a location plat showing the Vacuum-Blinebry and the Vacuum-Glorieta completions in the Vacuum Field area in Lea County, New Mexico. The other wells shown are other completions in this area and they are not designated.

Q I assume that the yellow coloring appearing on the plat indicates the acreage owned and operated by Mobil?

A By Socony Mobil, yes, sir.

Q I believe the application in this case describes the location of the well which is the subject of this hearing as being located in Unit O, is that correct or incorrect?

A It is incorrect. The correct unit location should have been in Unit P, and the same section as shown.

MR. SPERLING: We request the Examiner's permission to amend the application to that extent.

MR. UTZ: The location of the said well will be corrected in the record as recommended.

Q (By Mr. Sperling) This application pertains to Mobil's



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well designated as State Bridges No. 97, which is shown as corrected in Unit P of Section 26. Further, this application as it appears on the docket refers to parallel strings of 1.61 inch I.D. tubing. Is that what is proposed insofar as this well is concerned?

A No, sir, that is a mistake. We are going to recommend less than what was proposed as the call of the hearing. It will have one string of 1.610 I.D. tubing and one string of 1.750 I.D. tubing.

Q In other words, rather than parallel strings of 1.61 I.D. tubing, you will have tubing strings as you've just testified concerning?

A Yes, sir.

Q Would you please refer to what has been marked for identification as Exhibit No. 2 in this hearing, Mr. Bohannon, which appears to be a schematic diagram of procedures which are proposed in connection with the completion of this well. Would you explain that, please?

A Yes, sir. The equipment is installed in the well as shown. We have a Baker Model "D" Packer set at 6345 feet above the Vacuum-Blinbry perforation at 6371 to 6528 feet. We have a 2-1/16 inch O.D. integral joint N-80 tubing string set in this packer. Run on this string was a Brown DSL-9-2H Dual Packer, which was set above the Vacuum-Glorietta perforations. Packer setting depth was 5931 feet.



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The inch and a half O.D. integral joint tubing is seated in this Brown packer to produce the Vacuum-Glorieta zone.

Q Would you continue with your explanation of the casing and cementing program which you followed?

A Okay. The surface string was 8-5/8ths inch diameter set at 1567 feet with 750 sacks of Incor four percent Gel plus 100 sacks of Incor-Neat cement. The cement was circulated. The long string was a string of 5-inch, 11.4 pound per foot, J-55, set at 6750 feet, the total depth of the well.

The first stage of cement on the long string we cemented with 1500 sacks of Trinity Light-Weight, plus 75 sacks of Trinity Inferno Neat, and the cement top was 2640. Since the cement did not circulate, we perforated the pipe at 2625 and the second stage was cemented through these holes. We cemented with 1500 sacks of Trinity Light-Weight and 1100 sacks of Regular Neat. Cement top was at 1925 feet, leaving the uncemented portion of the hole to be between 1567 feet and 1925 feet.

Q Do you know whether or not there are any productive zones in that area?

A In the 400 feet that I've mentioned?

Q Yes.

A No, sir, there is not.

Q Have there been other dual completions authorized in this area?

A Yes, sir. Texaco has a dual completion order, Order



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PHONE 243-6697

No. R-2413, permitting Vacuum-Blinebry and Vacuum-Glorieta completions in this area.

Q Do you have that order number?

A Yes, sir, it's Order R-2413.

Q What other Blinebry and Glorieta completions are in this area?

A Texaco has, looking at the attached plat, which was Exhibit 1; the Tidewater has a Glorieta completion in Section 36, and it would be Unit D, it's their Well No. 5. Also Texaco has two wells completed in the same section, their Well No. 12, State O, and their State O No. 13 in the same section are colored in blue. That is the only completions in the Glorieta at this time, and according to our plat, Marathon's -- there's a dual well being completed there, and then Continental State H No. 35 is testing the Glorieta, and as of now, well, they weren't completed.

Q Have you taken potential tests on these two formations in your State Bridges No. 97?

A Yes, sir, this well has been potentialied. Our Glorieta zone potentialied for 155 barrels of new oil and 47 barrels of salt water in 24 hours on a 24/64ths choke; gas-oil ratio was too small to measure. The gravity was 36.8 degrees API at 60 degrees Fahrenheit. Tubing pressure was 80 psi and the allowable will be 67 barrels of oil per day, and potential date was 6-26-63.

The Blinebry has been potentialied and its potential test is 165 barrels of new oil plus 34 barrels of load water in



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24 hours on a 21/64ths choke; gas-oil ratio of 843 to 1; gravity 36.9 degrees and 60 degrees Fahrenheit; tubing pressure, 425 psi. The allowable is 67 barrels of oil per day, and potential date was 6/27. Packer leakage test has been conducted on this well and they were completed after we left yesterday morning to come to Santa Fe, and the test up until the time we left indicated that there was no trouble and no packer leaks.

Q You have substantial variation in gas-oil ratios as between these two formations, as well as a substantial pressure differential, isn't that correct?

A Yes, sir.

Q Considering the installation that you have here, or proposed as shown on Exhibit 2, what method of lift of fluids do you propose?

A Well, of course, both zones presently are flowing. We anticipate gas lifting the Glorieta zone, the one that will have the small I.D. tubing. Our gas supply is available from the Vacuum-Penn Field and we intend to use this zone and come off the high pressure separator and use this high pressure gas to gas lift this zone. The other zone, the I.D. of the tubing will permit sucker rod pumping unit installation.

Q Do you anticipate any mechanical problems so far as this type of installation is concerned?

A No, we do not. The only thing is that we won't be able to run rods in the small I.D. tubing, and that is the only thing.



DEARNLEY-MEIER REPORTING SERVICE, Inc.

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PHONE 243-6651

Q But you do feel that you have adequate gas lift facilities for the purpose of producing that zone?

A Yes, sir, we certainly do.

Q Have you made any comparison by way of economics as between the Glorieta single completion and the Blinbry single completion?

A Yes, sir, I have. The cost to drill a Glorieta single completion in this area would be approximately \$88,000, whereas the cost to dually complete State Bridges 97 was \$15,300.

Q In other words, the dual completion represents a substantial saving over singles?

A Yes, sir, it does.

Q Please refer to what has been marked as Exhibit No. 3, Mr. Bohannon. Tell us what that is, if it isn't self-explanatory.

A That is a cross section showing the clearances of the strings run in the hole. I've marked off the diameters of the pipe, and the 2-1/16 inch nominal integral joint tubing as shown has an O.D. of 2.230 inches, and an I.D. of 1.750 inches. The inch and a half nominal integral joint tubing has an O.D. of 2.113 inches and I.D. of 1.610 inches. These will run inside the 5-inch 11.4 pound J-55 casing which has an I.D. of 4.560 inches, with a total clearance of .127 inches.

MR. UTZ: That's a bunch, isn't it?

A Yes, it certainly is.

Q (By Mr. Sperling) Do you feel that with the casing and



cementing program that you've outlined, that there's a possibility of communication as between these zones?

A No, sir, I do not.

MR. SPERLING: I believe that's all the direct at this time. We would like to offer Exhibits 1 through 3.

MR. UTZ: Exhibits 1 through 3 will be entered into the record, without objection.

(Whereupon, Socony's Exhibits Nos. 1 through 3 received in evidence.)

CROSS EXAMINATION

BY MR. UTZ:

Q Exhibit 3 shows the tubing that you actually intend to run in this well?

A Yes, sir.

Q Two strings. Well, then Exhibit 2 also shows the correct size tubing?

A Right.

Q Would you give me the Glorieta pressure again?

A The Glorieta pressure, this is not bottom hole, it is surface, 80 psi.

Q You have no idea what the bottom hole is?

A No, sir, I do not.

Q What type of crudes?

A Both crudes are intermediate base.

Q Did you have the gravity of the Glorieta?

A Yes, sir, it was 36.8 at 60 degrees Fahrenheit.

Inc.

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MR. UTZ: Are there other questions? The witness may be excused.

(Witness excused.)

MR. UTZ: Any other statements in this case? The case will be taken under advisement.

* * *

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 before the New Mexico Oil Conservation Commission was reported by me, and that the same is a true and correct record of the said proceedings, to the best of my knowledge, skill, and ability.

WITNESS my Hand and Seal this 30th day of July, 1963.

Ada Dearnley
NOTARY PUBLIC

My Commission Expires:
June 19, 1967.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 2856 heard by me on July 19, 1963.
[Signature] Examiner
New Mexico Oil Conservation Commission

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