

CASE No.

2878

Application,
TRANSCRIPTS,
SMALL Exhibits
ETC.

OIL CONSERVATION COMMISSION
P. O. BOX 871
SANTA FE, NEW MEXICO

August 30, 1963

C
O
P
Y

Perry R. Bass
12th Floor
Ft. Worth National Bank Bldg.
Ft. Worth, Texas

Attention: Mr. H. W. Jennings

Administrative Order NSL-316

Gentlemen:

Reference is made to your letter of August 28, 1963, wherein you request authority to drill your Plains Unit Well No. 4 at an unorthodox location 1930 feet from the South line and 660 feet from the West line of Section 21, Township 19 South, Range 32 East, Lusk Morrow Gas Pool, Lea County, New Mexico.

Inasmuch as Commission Order R-2534 has already approved a non-standard location for this proposed well 1960 feet from the South line and 660 feet from the West line of Section 21, and the movement of the location 40 feet South will not in effect be any more unorthodox than that which has already been approved, this office has no objection to the proposed location.

You are, therefore, hereby authorized to drill your Plains Unit Well No. 4 at the above-described new location.

Very truly yours,

A. L. Lortner, Jr.
Secretary-Director

AL/DSW/dag

cc: J. D. Ramey
Oil Conservation Commission, Hobbs

INOGEO, Hobbs

Case File 2875 ✓

NSL File 316

CLASS OF SERVICE
This is a fast message
unless its deferred har-
acter is indicated by the
proper symbol.

WESTERN UNION TELEGRAM

W. P. MARSHALL, PRESIDENT

SYMBOLS
DL = Day Letter
NL = Night Letter
LT = International
Letter Telegram

The filing time shown in the date line on domestic telegrams is LOCAL TIME at point of origin. Time of receipt is LOCAL TIME at destination.

1201 (4-00)

LA169 DB347

D EPA470 PD=WUX EL PASO TEX 18 45OP MST=
OIL CONSERVATION COMM, STATE OF NEW MEX=
P O BOX 871 SANTA FE NMEX=

159

Case 3875

THE WORKING INTEREST OWNERS OF THE LUSK DEEP UNIT HAVE
NO OBJECTION TO THE DRILLING BY PERRY R BASS OF THE
PROPOSED MORROW TEST WELL AT A LOCATION 660 FEET FWL
AND 1980 FEET FSL SECTION 21, T=19=S, R=32=E, N.M.P.M.,
LEA COUNTY, NEW MEXICO=
T W BITTICK ASST MGR LAND DEPT EL PASO NATL
GAS CO=

660 1980 21 T=19=S R=32=E N M P M=

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS CUSTOMERS CONCERNING ITS SERVICE

1993 JUL 13 AM 1:00

BEFORE EXAMINER UTZ	
OIL CONSERVATION COMMISSION	
<i>[Signature]</i>	EXHIBIT NO. <u>4</u>
CASE NO.	<u>2575</u>

EL PASO NATURAL GAS COMPANY

El Paso Office

Type of Service:

WUX Western Union

Fast Telegram ☐Day Letter ☐Night Letter ☐TWX Telephone Company ☐TWP EPNG Network ☐

Prepaid _____ Collect _____

TELEGRAM

July 18, 1963

Date

For use of teletype operator

A.M.

Time sent _____ P.M.

By _____

To

Oil Conservation Commission
 State of New Mexico
 Post Office Box 371
 Santa Fe, New Mexico

The working interest owners of the Lusk Deep Unit have no objection to the drilling by Perry R. Bass of the proposed Harrow test well at a location 660 feet FWL and 1930 feet FSL Section 21, T-19-S, R-32-E, N. M. P. M., Lea County, New Mexico.

EL PASO NATURAL GAS COMPANY

By: W. W. Bittick

DOCKET MILED

W. W. Bittick
 Assistant Manager
 Land Department

Date 7/29/63

J. M. HERVEY 1874-1953
HIRAM M. DOW
CLARENCE E. HINKLE
W. E. BOPDURANT, JR.
GEORGE H. HUNKER, JR.
HOWARD C. BRATTON
S. B. CHRISTY, IV
LEWIS C. COX, JR.
PAUL W. EATON, JR.
CONRAD E. COFFIELD
HAROLD L. HENSLEY, JR.

LAW OFFICES
HERVEY, DOW & HINKLE
HINKLE BUILDING
ROSWELL, NEW MEXICO

July 26, 1963

TELEPHONE 622-6510
AREA CODE 505
POST OFFICE BOX 10

file 28/5

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

Gentlemen:

Perry R. Bass requests an exception to the requirements of the Lusk-Morrow Gas Pool Rules to permit the drilling of a well to the Morrow Formation at a location 660 feet from the west line and 1980 feet from the south line of Section Twenty One (21), Township 19 South, Range 32 East, N.M.P.M., Lea County, New Mexico.

Please set this matter down for an Examiner Hearing at the earliest possible date. It is our understanding that this will be on August 7, and that the above matter will be heard at that time.

Thank you for your attention.

Very truly yours,

HERVEY, DOW & HINKLE

Howard C. Bratton
Howard C. Bratton

HCB:jw

DOCKET MADE

7/29/63
DOCO

Case 2875

Heard 8-7-63

Rec. 8-16-63

1. Grant Perry Base in mouth of
Location for ~~them~~ after a dual completion
in the ~~Black~~ monow and Lusk Strawn
pools at the location 1980/s+ 660/w
lines of sec. 21-195-32E. This well is
in the Plains unit area.

Shedd W

DRAFT

JMD/esr

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. 2875

Order No. R- 37085

APPLICATION OF PERRY R. BASS
FOR AN UNORTHODOX GAS WELL
LOCATION, LEA COUNTY, NEW
MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on August 7, 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 August, 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, Perry R. Bass, is the operator of the Plains Unit which comprises in part Section 21, Township 19 South, Range 32 East, NMPM, Lea County, New Mexico.

(3) That the applicant seeks an exception to the Special Rules and Regulations governing the Lusk-Morrow Gas Pool in order to drill a gas well at an unorthodox location 1980 feet from the South line and 660 feet from the West line of ^{said} Section 21, Town-
ship 19 South, Range 32 East.

(4) That approval of the subject application should result in recovery of otherwise unrecoverable oil and gas as the applicant proposes to finally complete the subject well in the Lusk-Morrow Gas Pool and Lusk-Strawn Oil Pool and the geological conditions in the area will not justify a single completion in either pool.

(5) That approval of the application will ^{prevent} ~~not cause~~ waste and *protect correlative rights.*

IT IS THEREFORE ORDERED:

(1) That the applicant, Perry R. Bass, is hereby granted an exception to the well location requirements of the Special Rules and Regulations governing the Lusk-Morrow Gas Pool and is hereby authorized to drill a Lusk-Morrow gas well at an unorthodox location 1980 feet from the South line and 660 feet from the West line of Section 21, Township 19 South, Range 32 East, NMPM, Lea County, New Mexico.

(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.

GOVERNOR
JACK M. CAMPBELL
CHAIRMAN

State of New Mexico
Oil Conservation Commission



LAND COMMISSIONER
C. B. JOHNNY WALKER
MEMBER

P. O. BOX 871
SANTA FE

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

August 21, 1963

Mr. Howard Bratton
c/o Hervey, Dow & Hinkle
Box 10
Roswell, New Mexico

Re: Case No. 2875
Order No. R-2554
Applicant:

Harry R. Bass

Dear Sir:

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

Very truly yours,

A handwritten signature in cursive script that reads "A. L. Porter, Jr.".

A. L. PORTER, Jr.
Secretary-Director

ix/

Carbon copy of order also sent to:

Hobbs OCC X

Artesia OCC

Astec OCC

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. 2875
Order No. R-2554

APPLICATION OF PERRY R. BASS
FOR AN UNORTHODOX GAS WELL
LOCATION, LEA COUNTY, NEW
MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on August 7, 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 21st day of August, 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, Perry R. Bass, is the operator of the Plains Unit which comprises in part section 21, Township 19 South, Range 32 East, NMPM, Lea County, New Mexico.

(3) That the applicant seeks an exception to the Special Rules and Regulations governing the Lusk-Morrow Gas Pool in order to drill a gas well at an unorthodox location 1980 feet from the South line and 660 feet from the West line of said Section 21.

(4) That approval of the subject application should result in recovery of otherwise unrecoverable oil and gas as the applicant proposes to dually complete the subject well in the Lusk-Morrow Gas Pool and Lusk-Strawn Oil Pool and the geological conditions in the area will not justify a single completion in either pool.

-2-

CASE No. 2875
Order No. R-2554

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

IT IS THEREFORE ORDERED:

(1) That the applicant, Perry R. Bass, is hereby granted an exception to the well location requirements of the Special Rules and Regulations governing the Lusk-Morrow Gas Pool and is hereby authorized to drill a Lusk-Morrow gas well at an unorthodox location 1980 feet from the South line and 660 feet from the West line of Section 21, Township 19 South, Range 32 East, BHPM, Lea County, New Mexico.

(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

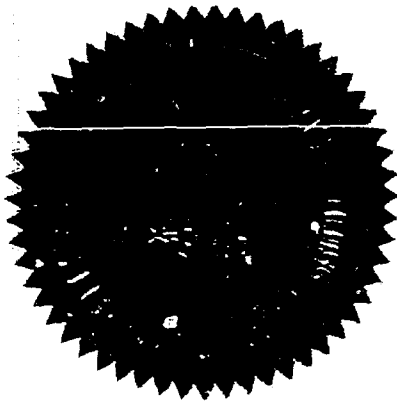
JACK M. CAMPBELL, Chairman

E. S. Walker

E. S. WALKER, Member

A. L. Porter, Jr.

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



esr/

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
August 7, 1963

EXAMINER HEARING

IN THE MATTER OF:

Application of Perry R. Bass for an unorthodox gas well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to drill a gas well at an unorthodox location 1980 feet from the South line and 660 feet from the West line of Section 21, Township 19 South, Range 32 East, Lusk Morrow Gas Pool, Lea County, New Mexico.

Case No. 2875

BEFORE: Elvis A. Utz, Examiner

TRANSCRIPT OF HEARING

DEARNLEY-MEIER REPORTING SERVICE, Inc.
FARMINGTON, N. M.
PHONE 325-1182
SANTA FE, N. M.
PHONE 983-9971
ALBUQUERQUE, N. M.
PHONE 243-6891

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

SANTA FE, N. M.
PHONE 983-3971

ALBUQUERQUE, N. M.
PHONE 243-6691

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
August 7, 1963

EXAMINER HEARING

IN THE MATTER OF:)

Application of Perry R. Bass for an un-)
orthodox gas well location, Lea County,)
New Mexico. Applicant, in the above-)
styled cause, seeks permission to drill)
a gas well at an unorthodox location)
1980 feet from the South line and 660)
feet from the West line of Section 21,)
Township 19 South, Range 32 East, Lusk)
Morrow Gas Pool, Lea County, New Mexico.)

Case 2875

BEFORE: Elvis A. Utz, Examiner.

TRANSCRIPT OF HEARING

MR. UTZ: The next case on the docket will be 2875.

MR. DURRETT: Application of Perry R. Bass for an un-
orthodox gas well location, Lea County, New Mexico.

MR. BRATTON: Howard Bratton appearing on behalf of the
Applicant. We have one witness.

(Witness sworn.)

MR. UTZ: Are there other appearances in this case?

CHARLES R. MARSHALL

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



DIRECT EXAMINATION

BY MR. BRATTON:

Q Please state your name, by whom you are employed and in what capacity.

A Charles R. Marshall, employed by Pan American Petroleum Corporation as a petroleum engineer in their Fort Worth Division Office.

Q Have you previously testified before this Commission as an expert witness?

A Yes, sir, I have.

Q In this connection, Mr. Marshall, are you familiar with the Plains Unit Area of the Morrow Gas Pool and the matters contained in this application?

A Yes, sir, I am.

Q Is the Plains Unit a unit operated by Perry Bass with Pan American owning an interest therein?

A Yes, sir, that's correct.

Q In this hearing you are appearing on behalf of Perry Bass, who is the unit operator?

A That's correct. Pan American is a working interest owner.

Q What is Pan American seeking in this hearing?

A We are seeking an exception to the spacing rules in the

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PHONE 243-6691



Lusk Morrow Pool in order to locate a Morrow well 1980 feet from the South line and 660 feet from the West line of Section 21, Township 19 South, Range 32 East, Lea County, New Mexico.

(Whereupon, Applicant's Exhibit No. 1 was marked for identification.)

Q Will you refer to your Exhibit No. 1 and explain what it depicts, Mr. Marshall?

A Exhibit 1 is a map of this area of Lea and Eddy Counties, New Mexico. It shows by color coding the existing Morrow completions in this area and the existing Strawn completions. The Morrow is shown by yellow color and the Strawn by the blue color. Also shown is the West line of the Plains Unit and by a red dot the location we're requesting.

Q It reflects a total of seven Morrow wells, does it not?

A Yes, sir, that's correct.

Q Is there anything further depicted on your Exhibit No. 1, Mr. Marshall?

A No, sir, that's just about it.

(Whereupon, Applicant's Exhibit No. 2 was marked for identification.)

Q Let's turn, then, to your Exhibit No. 2.

A Exhibit 2 again is a map of this same area showing the western part of the Plains Unit and other areas in this particular



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area. It shows the Lusk Deep Unit. On this map I have shown the Morrow completions that presently exist in the Lusk Morrow Pool again by yellow color. Also I've shown the proposed location, our requested location by the red color in Section 21.

Q This reflects, I believe, does it not, Mr. Marshall, that there is one Morrow well that is located on pattern and six wells that are exceptions to the location requirements?

A Well, yes, sir. On pattern, there's actually six on pattern and one off pattern, but the one well in Section 19 is the well that is in conformance with the present spacing rules. The remainder are not in conformance. I have shown by the red dashed squares in the center of these sections the location for a Morrow well that would meet field spacing rules.

Q To repeat briefly, Mr. Marshall, your Exhibit No. 2, the red dashed lines shows the locations permitted by the field rules, is that correct?

A Yes, sir. Any location within these squares would be in accordance with the Morrow spacing rules.

Q So it actually develops six wells are not in accordance with the rule and one is?

A That's correct, yes, sir.

Q We are seeking an exception to the location of the proposed well by Perry Bass by the Plains Unit, is that correct?



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A Yes, sir.

Q Why are we seeking this exception, Mr. Marshall?

A Well, as was reflected by the first exhibit we introduced, essentially all of these wells in here are dual Strawn Morrow completions. We feel that it is necessary to drill the Strawn at the location we are requesting, this is a regular location in the Strawn, and in order to develop the Morrow in the most efficient manner we are requesting permission to dual this Strawn well.

Q Our proposed location is a regular Strawn location, is that correct?

A Yes, sir, it's in accordance with the Strawn rules, yes, sir.

Q In the judgment of Bass and Pan American, the Plains Unit operators, this is the best location for the Strawn well, is that correct?

A Definitely, yes, sir.

(Whereupon, Applicant's Exhibit No. 3 was marked for identification.)

Q Will you turn to Exhibit No. 3?

A Exhibit 3 is an isopach map of Strawn porosity in the Lusk Strawn Field. This map illustrates why we feel that it's necessary to choose the Northwest Quarter of the Southwest Quarter



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PHONE 243-6691

of Section 21 which is regularly our Strawn location. The porosity and permeability in the Strawn are deteriorating to the Northwest, and consequently we feel it's necessary to drill at this location.

Q Then as a matter of economics, you feel it's essential to dual complete rather than drill your Strawn here and drill a single Morrow well over at what would be a regular location under the Morrow rules, is that correct?

A Yes, sir. In my opinion, in order to develop the Morrow it's imperative to be able to develop it by dual completion.

Q What are your economics on that, Mr. Marshall?

A Well, sir, to drill a Strawn Morrow dual completion costs approximately \$275,000. To drill a Morrow single and a Strawn single costs approximately \$410,000. The savings by virtue of being able to develop both of these formations at one location is approximately \$135,000.

Q If you were not permitted to dual complete them at this location would the possibilities of drilling a Morrow well in this section diminish considerably?

A Yes, sir, it would. As I pointed out, the Strawn porosity is deteriorating in Section 21, it's doubtful that another Strawn location exists in Section 21 to develop 160 acres. And, as I stated, we feel it imperative to drill a Strawn at this



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location, then, if it becomes imperative to drill the Morrow itself through a single completion we would have to look at it a long time, and frankly I couldn't recommend that it be developed drilling single.

Q So that the granting of this application would be in the interest of the prevention of waste, is that correct?

A That's correct.

Q Your proposed location is next door to what unit is it, the Lusk Morrow Unit?

A The Lusk Deep Unit.

Q Is the royalty common in the Lusk Deep Unit and the Plains Unit, is it all United States royalty?

A Yes, sir, the entire royalty is United States royalty.

MR. BRATTON: I would like the Examiner to mark as Exhibit No. 4 a telegram which I believe you have from the operator of the Lusk Deep Unit, saying that they have no objection to the proposed exception.

MR. DURRETT: Mr. Bratton, we have a telegram from Mr. T. W. Bittick as Division Land Manager, El Paso, is that the telegram you are referring to?

MR. BRATTON: Yes, sir.

MR. DURRETT: We'll have it marked No. 4.

(Whereupon, Applicant's Exhibit No. 4 was marked for identification.)



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PHONE 243-6691

PAGE 9

Q Do you know that not only the operator but all the non-operators of the Deep Lusk Unit were consulted and had no objection to the proposed location?

A Yes. I believe the wire states that they do not have any objection.

Q Therefore, would it be your opinion, Mr. Marshall, that the granting of this application would be in the interest of the prevention of waste and the protection of correlative rights?

A Yes, sir, it would. In connection with the correlative rights, as I pointed out, the royalty interests are common and there could be no violation in that regard. I do not feel that there will be any violation of correlative rights by virtue of uncompensated drainage by locating this Morrow well here. Apparently the operators offsetting this proposed location feel the same way, so I do not believe there would be any violation of rights.

Q When you are talking about a 640-acre gas basin, this is not a major move that would substantially affect correlative rights, is that correct?

A Not in my opinion.

Q Were Exhibits 1 through 3 prepared by you or under your supervision?



A Yes, sir.

Q Is there anything further you care to state in connection with this application?

A No, sir.

MR. BRATTON: We would offer Applicant's Exhibits 1 through 3 and we have nothing further at this time.

MR. UTZ: You mean 1 through 4?

MR. BRATTON: 1 through 4, excuse me.

MR. UTZ: Without objection, Exhibits 1 through 4 will be entered into the record of this case.

(Whereupon, Applicant's Exhibits 1 through 4 were offered and admitted in evidence.)

CROSS EXAMINATION

BY MR. UTZ:

Q Mr. Marshall, the Plains Unit is productive from the Morrow, is it not?

A Yes.

Q How many wells do you have?

A Currently two Morrow wells, the Well No. 1 in Section 27 and Well No. 2 in 28.

Q Is it your opinion that Sections 21 and 22 are productive of gas in the Morrow?

A It's my opinion that Section 21 is productive of gas,



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PHONE 243-6691

the Plains Unit No. 1 in Section 27 is by far from being the best well in the field. We might be crowding the edge of the field toward the eastern side of Section 22.

Q How about Section 16?

A To the North of 21?

Q Yes, sir.

A Well, sir, again we are pushing out in an area where there is very little control. I feel that at least part of Section 16 is productive. I couldn't state very well as to whether all of it is or not.

Q Do you think that a well located 660 from a section line will drain 640 acres in Section 21?

A You mean drain 640 acres out of Section 21?

Q Yes.

A Yes, sir, I feel that we have, although we have 640-acre units and, of course, in order to drain 640 acres out of Section 21, a well would have to drain to a radial distance greater than 640 acres. I feel that a well in this reservoir can do that. I might point out in that regard that each of these six locations that we talked about that are not in conformance with the spacing rules, if they are successfully draining 640 acres out of their section, or draining at a radial drainage necessary to drain 640 acres.



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Q If it were not for the dual completion, and particularly the completion in the Strawn, would you locate this well in this location?

A As I stated, based on this No. 1 well, Plains No. 1, the field is not looking too good over in that direction, but I couldn't justify an unorthodox location for the Morrow only. In other words, I wouldn't move it over this distance to violate the spacing rules if it were for the Morrow only. I think we could drill a regular location if we were going to drill to the Morrow.

MR. UTZ: Any other questions of the witness?

MR. DURRETT: Yes, sir, I have a question.

BY MR. DURRETT:

Q When were some of these other wells drilled that were off pattern, do you have any completion dates or any idea when they were completed? What about the Plains Unit Pan American Well No. 2 in Section 28?

A This well was recently completed. It was completed in June or July of this year, Well No. 2 was.

Q What about the west offset to that well, the Southern California-El Paso Well No. 1 in 29?

A Well, it was completed before No. 2. I don't know the exact completion date.

Q Do you think it's recent or a year or two old?



A Probably in the range of a year or two old.

Q Is this Lusk Unit El Paso well, Section 20, which is a west offset to your present location, is that off pattern to the Strawn?

A No, sir, I believe that's a regular location for the Strawn.

MR. DURRETT: I believe that's all I have.

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.

DEARNLEY-MEIER REPORTING SERVICE, Inc.

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SANTA FE, N. M.
PHONE 983.3971

ALBUQUERQUE, N. M.
PHONE 243.6691



STATE OF NEW MEXICO)
) SS
COUNTY OF BERNALILLO)

I, ADA DEARNLEY, Court Reporter, do hereby certify that the foregoing and attached transcript of proceedings before the New Mexico Oil Conservation Commission at Santa Fe, New Mexico, is a true and correct record to the best of my knowledge, skill and ability.

IN WITNESS WHEREOF I have affixed my hand and notarial seal this 18th day of August, 1963.

Ada Dearnley
Notary Public-Court Reporter

My commission expires:

June 19, 1963.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 2875, heard by me on Aug 7, 1963.
Thos. M. [Signature] Examiner
New Mexico Oil Conservation Commission

DEARNLEY-MEIER REPORTING SERVICE, Inc.

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PHONE 325-1182

SANTA FE, N. M.
PHONE 983-3971

ALBUQUERQUE, N. M.
PHONE 243-6691



(Bratton)

Memo

From
D. S. NUTTER
CHIEF ENGINEER

To
Asst. Engr. R. K. King
for an immediate response.
Lusk Morrow Gas Pool

Depth of a well 1980'
FSL & 660' FWL
21-19S 32E Sea Co

CASE 2878: Application of HUMBLE
for the triple completion of its
N.M. State S" Well No. 25.

CASE No.
2878

Application,
TRANSCRIPTS,
SMALL Exhibits
ETC.

Class 287.5

146-1353

Due July 12

HUMBLE OIL & REFINING COMPANY
HUMBLE DIVISION

Hobbs, New Mexico
June 18, 1963

Re: Application for Triple
Tubingless Completion,
New Mexico State S - 25.

for hearing

100 JUN 18 1963

Mr. A. L. Porter, Jr., Secretary-Director
New Mexico Oil Conservation Commission
Post Office Box 871
Santa Fe, New Mexico

Dear Mr. A. L. Porter, Jr.

Attached is Humble Oil and Refining Company's Application for multiple completion of its New Mexico State "S" - 25 as a triple tubingless completion in the Penrose Skelly Oil, Wantz Abo Oil, Granite Wash Oil zones. This well is located in Unit "N", Section 2, Township 22 South, Range 37 East, Lea County, New Mexico.

It is proposed to set 13-3/8" casing at approximately 300' and cement it to the surface; 2-5/8" at approximately 2,650' and cement it back into the salt section. Three strings of 2-7/8" casing will be run in a common 8-3/4" well bore, as per schematic diagram, and cemented back to the intermediate casing.

If this Application cannot be approved administratively, please place it on the earliest possible docket for hearing before the Commission.

Yours very truly,

HUMBLE OIL & REFINING COMPANY

R. R. Alworth
R. R. Alworth
District Superintendent

DFL/akf
cc: N. M. O. C. C., Hobbs, New Mexico
Mr. W. H. Dick, Jr., Houston, Texas
Mr. R. R. McCarty, Midland, Texas

Attachments

DOCKET MAILED

Date *7/19/63*

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

5-1-61

APPLICATION FOR MULTIPLE COMPLETION

Operator HUMBLE OIL & REFINING COMPANY		County Lea	Date June 18, 1963
Address Box 2347, Hobbs, New Mexico		Lease New Mexico State "S"	Well No. 25
Location of Well "NN"	Unit 2	Township T-22-S	Range R-37-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 ☐

2. If answer is yes, identify one such instance: Order No. 2433 A; Operator, Lease, and Well No.:

Humble Oil & Ref. Co.; New Mexico State S #24 for triple tubingless completion; Granite Wash-Wantz Abo-Drinkard

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Penrose-Skelly	Wantz Abo	Granite Wash Undes.
b. Top and Bottom of Pay Section (Perforations)	3675 - 3800 EST.	6800 - 7000 EST.	7300 - 7400 EST.
c. Type of production (Oil or Gas)	OIL	OIL	OIL
d. Method of Production (Flowing or Artificial Lift)	Flow	Flow	Flow

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

- Yes 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.
- Yes b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
- Yes c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*

No d. ^{later}Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated To be filed 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.

Cities Service Oil Company, Box 97, Hobbs, New Mexico ✓

Gulf Oil Corporation Box 2167, Hobbs, New Mexico ✓

Marathon Oil Company, Box 2107, Hobbs, New Mexico ✓

Sohio Oil Company, 970 First National Office Building, Oklahoma City 2, Oklahoma

Sinclair Oil & Gas Company, 520 East Broadway, Hobbs, New Mexico ✓

Sunray-Mid Continent Oil Company, Box 128, Hobbs, New Mexico

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 June 18, 1963

CERTIFICATE: I, the undersigned, state that I am the Agent of the HUMBLE OIL & REFINING 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.

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

HUMBLE OIL & REFINING COMPANY
 NEW MEXICO STATE S - 25
 Proposed Triple Tubingless Completion

Penrose-Skelly ← Wantz Abo
 Granite Wash

13-3/8" @ 305' Cement to Surface

NOTE: The three strings of 2-7/8" casing to be equipped with centralizers or turbolizers overlapping all pay zones and will be cemented back to approximately 2,600'.

9-5/8" @ 2650' Cement with 600 sacks. ✓

Proposed Penrose-Skelly

3675'
3800'

5400'

Proposed Wantz Abo

6800'
7000'

7300'
7400'

Proposed Granite Wash

7500' Est. T.D.

2022-23

T
21
S

22
S

② DRUMMER - WARTZ ASD - GRANITE WASH OIL.

DOCKET: EXAMINER HEARING - WEDNESDAY - AUGUST 7, 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 2871: Application of Bolack-Greer, Inc. for a unit agreement, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Canada Ojitos Unit Area comprising 35,829.84 acres of Federal and Fee lands in Townships 25 and 26 North, Ranges 1 East and 1 West, Rio Arriba County, New Mexico.
- CASE 2872: Application of Texaco Inc. for a unit agreement, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Woolley Unit Area comprising 2,080 acres of State and Federal lands in Township 17 South, Range 30 East, Eddy County, New Mexico.
- CASE 2873: Application of Texaco Inc. for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Barry Unit Area comprising 2427.24 acres of State land in Township 21 South, Ranges 33 and 34 East, Lea County, New Mexico.
- CASE 2874: Application of Murphy H. Baxter for a unit agreement, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of the East Rocky Arroyo Unit Area comprising 2560 acres of Federal, State and Fee lands in Township 21 South, Range 25 East, Eddy County, New Mexico.
- CASE 2875: Application of Perry R. Bass for an unorthodox gas well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to drill a gas well at an unorthodox location 1980 feet from the South line and 660 feet from the West line of Section 21, Township 19 South, Range 32 East, Lusk Morrow Gas Pool, Lea County, New Mexico.
- CASE 2876: Application of Consolidated Oil & Gas, Inc. for an unorthodox location, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks permission to recomplete its Jicarilla No. 4-8 at an unorthodox Blanco-Mesaverde Pool location 1550 feet from the North line and 890 feet from the West line of Section 8, Township 26 North, Range 5 West, Rio Arriba County, New Mexico.
- CASE 2877: Application of Continental Oil Company for an extension of the provisions of Order R-2476, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an extension of the provisions of Order R-2476 which authorized certain interference tests and transfer of allowables between wells during the tests in the Oil Center Blinebry Pool.

CASE 2355: (Reopened) In the matter of Case 2355 being reopened pursuant to the provisions of Order No. R-2051-A, which order extended the temporary 320-acre proration units for the Bluit-Wolfcamp Gas Pool, Roosevelt 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 proration units.

CASE 2635: (Reopened) In the matter of Case 2635 being reopened pursuant to the provisions of Order No. R-2325, which order established temporary 80-acre proration units for the Inbe-Pennsylvanian Oil Pool, Lea 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 40-acre proration units.

CASE 2878: Application of Humble Oil & Refining Company for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the triple completion (tubingless) of its New Mexico State "S" Well No. 25, located in Unit N of Section 2, Township 22 South, Range 37 East, Lea County, New Mexico, to produce oil from the Penrose-Skelly and Wantz Abo Pools and an undesignated Granite Wash zone through parallel strings of 2-7/8 inch casing cemented in a common well bore.

CASE 2879: Application of Humble Oil & Refining Company for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project on its State "M" lease in Sections 19, 20, 29, 30 and 31, Township 22 South, Range 37 East, Lea County, New Mexico, by the initial injection of water into the Queen formation of the Langlie Mattix and Eumont Pools through six wells located in Sections 20, 29, and 30. Applicant further seeks the contraction of the Eumont Pool by the deletion therefrom of all of Section 19 and the S/2 SW/4 and NE/4 SW/4 of Section 20, Township 22 South, Range 37 East, and the extension of the Langlie-Mattix Pool to include said acreage.

CASE 2880: Application of Marathon Oil Company for a unit agreement, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Box Canyon Unit Area comprising 10,560.48 acres of State, Federal and Fee lands in Townships 21 and 22 South, Range 21 East, Eddy County, New Mexico.

HUMBLE OIL & REFINING COMPANY
HUMBLE DIVISION

Hobbs, New Mexico
June 13, 1963

Re: Application for Triple
Tubingless Completion,
New Mexico State S - 25.

Mr. A. L. Porter, Jr., Secretary-Director
New Mexico Oil Conservation Commission
Post Office Box 871
Santa Fe, New Mexico

Dear Mr. A. L. Porter, Jr.

Attached is Humble Oil and Refining Company's Application for multiple completion of its New Mexico State "S" - 25 as a triple tubingless completion in the Penrose Skelly Oil, Wantz Abo Oil, Granite Wash Oil zones. This well is located in Unit "N", Section 2, Township 22 South, Range 37 East, Lea County, New Mexico.

It is proposed to set 13-3/8" casing at approximately 300' and cement it to the surface; 9-5/8" at approximately 2,650' and cement it back into the salt section. Three strings of 2-7/8" casing will be run in a common 8-3/4" well bore, as per schematic diagram, and cemented back to the intermediate casing.

If this Application cannot be approved administratively, please place it on the earliest possible docket for hearing before the Commission.

Yours very truly,

HUMBLE OIL & REFINING COMPANY

R. R. Allen
District Sales Representative

DFL/akf

cc: N. M. O. C. C., Hobbs, New Mexico
Mr. W. H. Dick, Jr., Houston, Texas
Mr. R. R. McCarty, Midland, Texas

Attachments

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

5-1-61

APPLICATION FOR MULTIPLE COMPLETION

Operator HUMBLE OIL & REFINING COMPANY		County Lea	Date June 18, 1963
Address Box 2347, Hobbs, New Mexico		Lease New Mexico State "S"	Well No. 2510
Location of Well "S"	Unit "S"	Section 2	Township 9-22-S
		Range R-27-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 ☐
2. If answer is yes, identify one such instance: Order No. 2133; Operator, Lease, and Well No.:
Humble Oil & Ref. Co.; New Mexico State S #24 for triple tubingless completion; Granite Wash-Mantz Abo-Drinkard

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Penrose-Skelley	Granite Wash	Granite Wash Unders.
b. Top and Bottom of Pay Section (Perforations)	3675 - 3800 EST	6000 - 7000 EST	7300 - 7400 EST
c. Type of production (Oil or Gas)	Oil	Oil	Oil
d. Method of Production (Flowing or Artificial Lift)	Flow	Flow	Flow

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

Yes 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.

Yes b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.

Yes c. Waivers consenting to such multiple 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 logs 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.

Cities Service Oil Company, Box 97, Hobbs, New Mexico

Gulf Oil Corporation Box 2167, Hobbs, New Mexico

Marathon Oil Company, Box 2107, Hobbs, New Mexico

Schio Oil Company, 970 Pizak National Office Building, Oklahoma City 2, Oklahoma

Sinclair Oil & Gas Company, 450 West Broadway, Hobbs, New Mexico

Sunray-Mid Continent Oil Company, Box 120, Hobbs, New Mexico

6. Were all operators listed in item 5 above notified and furnished copy of this application? YES ☒ NO ☐. If answer is yes, give date of such notification **JUNE 18, 1963**

CERTIFICATE: I, the undersigned, state that I am the AGENT of the HUMBLE OIL & REFINING COMPANY (company), and that I am authorized by said company to execute and sign this application, prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Signature

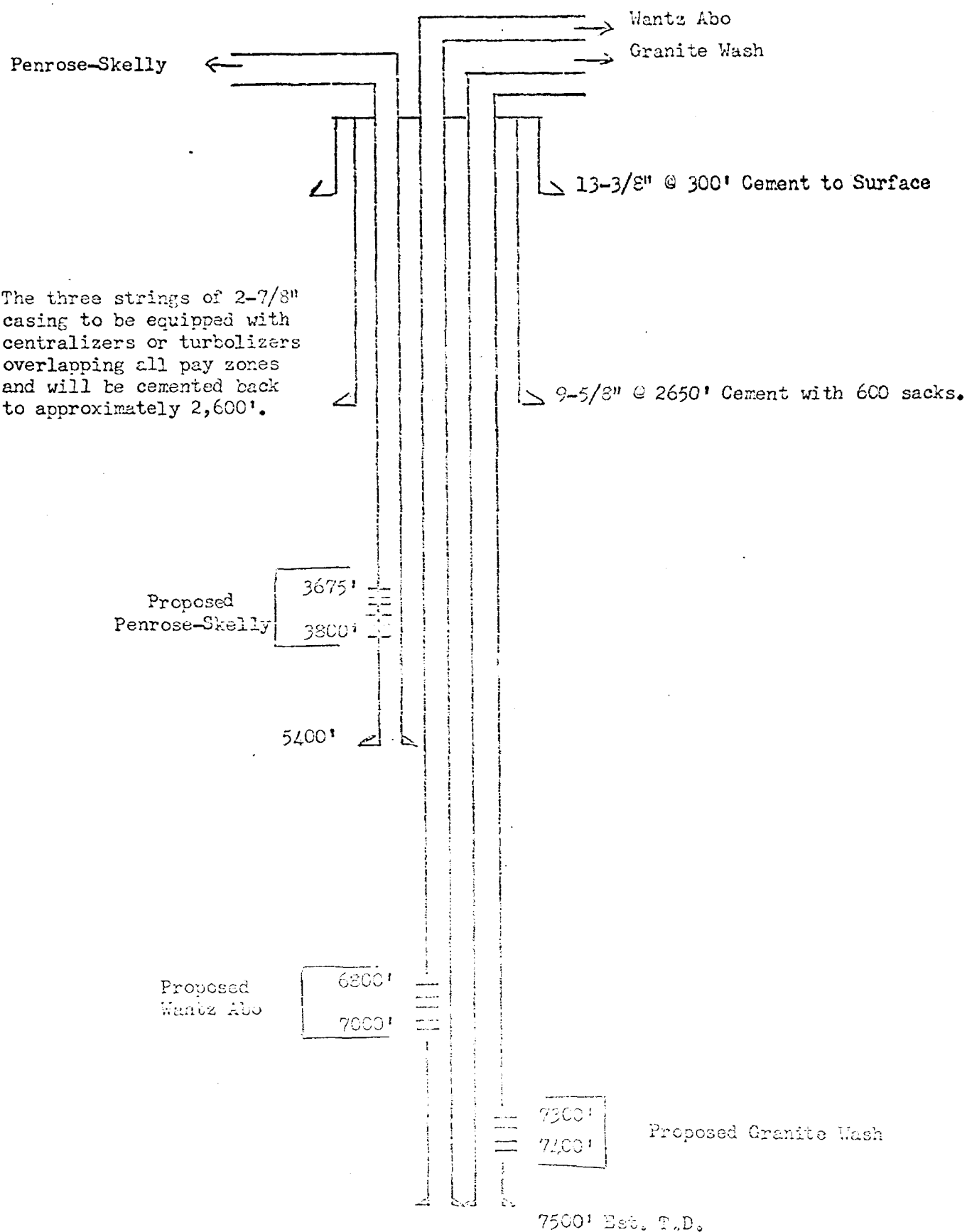
Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest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

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard production unit in either or both of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

HUMBLE OIL & REFINING COMPANY

NEW MEXICO STATE S - 25

Proposed Triple Tubingless Completion



R 37 E

5 proposed Tripple Completion
 1 padlock
 10 Sinkhole - 1000 ft. deep
 10 Sinkhole - 1000 ft. deep

No. 460312

RECEIPT FOR CERTIFIED MAIL—20¢ 6-19-63

SENT TO <i>Sunray MidCont. Oil Co.</i>		POSTMARK OR DATE
STREET AND NO. <i>Box 128</i>		
CITY AND STATE <i>Hobbs, N.M.</i>		
If you want a return receipt, check which <input type="checkbox"/> 10¢ shows to whom and when delivered <input type="checkbox"/> 35¢ shows to whom, when, and address where delivered <input type="checkbox"/> 50¢ fee		
If you want restricted delivery, check here <input type="checkbox"/> 50¢ fee		
FEES ADDITIONAL TO 20¢ FEE POD Form 3800 June 1962 CAUTION—NOT FOR INTERNATIONAL MAIL (See other side)		

No. 460317

RECEIPT FOR CERTIFIED MAIL—20¢ 6-19-63

SENT TO <i>Dr. L. B. Smith</i>		POSTMARK OR DATE
STREET AND NO. <i>520 E. Broadway</i>		
CITY AND STATE <i>Hobbs, N.M.</i>		
If you want a return receipt, check which <input type="checkbox"/> 10¢ shows to whom and when delivered <input type="checkbox"/> 35¢ shows to whom, when, and address where delivered <input type="checkbox"/> 50¢ fee		
If you want restricted delivery, check here <input type="checkbox"/> 50¢ fee		
FEES ADDITIONAL TO 20¢ FEE POD Form 3800 June 1962 CAUTION—NOT FOR INTERNATIONAL MAIL (See other side)		

No. 460316

RECEIPT FOR CERTIFIED MAIL—20¢ 6-19-63

SENT TO <i>Gulf Oil Corp.</i>		POSTMARK OR DATE
STREET AND NO. <i>Box 2167</i>		
CITY AND STATE <i>Hobbs, N.M.</i>		
If you want a return receipt, check which <input type="checkbox"/> 10¢ shows to whom and when delivered <input type="checkbox"/> 35¢ shows to whom, when, and address where delivered <input type="checkbox"/> 50¢ fee		
If you want restricted delivery, check here <input type="checkbox"/> 50¢ fee		
FEES ADDITIONAL TO 20¢ FEE POD Form 3800 June 1962 CAUTION—NOT FOR INTERNATIONAL MAIL (See other side)		

No. 460313

RECEIPT FOR CERTIFIED MAIL—20¢ 6-19-63

SENT TO <i>Marathon Oil Co.</i>		POSTMARK OR DATE
STREET AND NO. <i>Box 2107</i>		
CITY AND STATE <i>Hobbs, N.M.</i>		
If you want a return receipt, check which <input type="checkbox"/> 10¢ shows to whom and when delivered <input type="checkbox"/> 35¢ shows to whom, when, and address where delivered <input type="checkbox"/> 50¢ fee		
If you want restricted delivery, check here <input type="checkbox"/> 50¢ fee		
FEES ADDITIONAL TO 20¢ FEE POD Form 3800 June 1962 CAUTION—NOT FOR INTERNATIONAL MAIL (See other side)		

No. 460315

RECEIPT FOR CERTIFIED MAIL—20¢ 6-19-63

SENT TO <i>Utilities Service Oil Co.</i>		POSTMARK OR DATE
STREET AND NO. <i>Box 97</i>		
CITY AND STATE <i>Hobbs, N.M.</i>		
If you want a return receipt, check which <input type="checkbox"/> 10¢ shows to whom and when delivered <input type="checkbox"/> 35¢ shows to whom, when, and address where delivered <input type="checkbox"/> 50¢ fee		
If you want restricted delivery, check here <input type="checkbox"/> 50¢ fee		
FEES ADDITIONAL TO 20¢ FEE POD Form 3800 June 1962 CAUTION—NOT FOR INTERNATIONAL MAIL (See other side)		

No. 460314

RECEIPT FOR CERTIFIED MAIL—20¢ 6-19-63

SENT TO <i>Relio Oil Co.</i>		POSTMARK OR DATE
STREET AND NO. <i>970 First Nat'l Bank Bldg.</i>		
CITY AND STATE <i>Chgo. City 2, Chgo.</i>		
If you want a return receipt, check which <input type="checkbox"/> 10¢ shows to whom and when delivered <input type="checkbox"/> 35¢ shows to whom, when, and address where delivered <input type="checkbox"/> 50¢ fee		
If you want restricted delivery, check here <input type="checkbox"/> 50¢ fee		
FEES ADDITIONAL TO 20¢ FEE POD Form 3800 June 1962 CAUTION—NOT FOR INTERNATIONAL MAIL (See other side)		

1. If you want to return the article to the sender, please return it to the sender in the original container. (See the return label for details.)
2. If you want this receipt postmarked, stick the gummed stamp on the left portion of the return label, facing forward. If you want to return the article at a post office, stick the stamp on the left portion of the return label, facing backward.
3. If you want to return the article to the sender, stick the stamp on the left portion of the return label, facing forward.
4. If you want to return the article to the sender, stick the stamp on the left portion of the return label, facing backward.
5. If you want to return the article to the sender, stick the stamp on the left portion of the return label, facing forward.
6. If you want to return the article to the sender, stick the stamp on the left portion of the return label, facing backward.

1. Stick postage stamps to your article to pay:
20¢ certified mail fee
First-class or airmail postage
Either return receipt fee—10¢ or 35¢ (optional)
Restricted delivery fee—50¢ (optional)
Special-delivery fee (optional)
 2. If you want this receipt postmarked, stick the gummed stub on the left portion of the address side of the article, *leaving the receipt attached*, and present the article at a post office service window or hand it to your rural carrier.
 3. If you do not want this receipt postmarked, stick the gummed stub on the left portion of the address side of the article, *detach and retain the receipt*, and mail the article.
 4. If you want a return receipt, write the certified-mail number and your name and address on a return receipt card, Form 3811, and attach it to the back of the article by means of the gummed ends. Endorse front of article RETURN RECEIPT REQUESTED.
 5. If you want the article delivered only to the addressee, endorse it on the front DELIVER TO ADDRESSEE ONLY. Place the same endorsement in line 2 of the return receipt card.
 6. Save this receipt and present it if you make inquiry.
- 18-71547-8 ☆ GPO: 1962-O-545148

1. *Self-addressed return envelope*—3¢ (optional)
Special-delivery fee—50¢ (optional)
 Either return receipt fee—10¢ or 35¢ (optional)
- Restricted delivery fee—50¢ (optional)
 Special-delivery fee (optional)
- If you want this receipt postmarked, stick the gummed stub on the left portion of the address side of the article, *leaving the receipt attached*, and present the article at a post office service window or hand it to your rural carrier.
 - If you don't want this receipt postmarked, stick the gummed stub on the left portion of the address side of the article, *detach and retain* the receipt, and mail the article.
 - If you want a return receipt, write the certified-mail number and your name and address on a return receipt card, Form 3811, and attach it to the back of the article by means of the gummed stub. **TO ADDRESSEE ONLY. RETURN RECEIPT REQUESTED.**
 - If you want the article delivered only to the addressee, endorse it on the front: **DELIVER TO ADDRESSEE ONLY.** Place the same endorsement in line 2 of the return receipt card.
 - Save this receipt and present it if you make inquiry.
- 16-71547-6 ☆ GPO:1962-O-605149

1. Stick postage stamps to your article to pay:
20¢ certified mail fee
First-class or second postage
Either return receipt fee—10¢ or 35¢ (optional)
Registered delivery fee—50¢ (optional)
Special delivery fee (optional)
2. If you want this receipt postmarked, stick the gummed stub on the left portion of the address side of the article, before the receipt is mailed, and present the article at a post office service window or hand it to your mail carrier.
3. If you do not want this receipt postmarked, stick the gummed stub on the left portion of the address side of the article, after it is mailed, and take the article to a post office service window or hand it to your mail carrier.
4. If you want a return receipt, stick the gummed stub on the left portion of the address side of the article, before it is mailed, and take the article to a post office service window or hand it to your mail carrier. If you do not want a return receipt, stick the gummed stub on the left portion of the address side of the article, after it is mailed, and take the article to a post office service window or hand it to your mail carrier.
5. If you want the article delivered to a business or institution, stick the gummed stub on the left portion of the address side of the article, before it is mailed, and take the article to a post office service window or hand it to your mail carrier.
6. Stick this receipt on the back of the article, and take the article to a post office service window or hand it to your mail carrier.

1. Stick postage stamps to your article to pay:
 20¢ for first-class mail fee.
 First-class postage is required for:
 Either return receipt fee—10¢ or 35¢ (optional)
 Restricted delivery fee—50¢ (optional)
 Special-delivery fee (optional)
2. If you want this receipt postmarked, stick the gummed stub on the left portion of the address side of the article, *fastening the receipt in place*, and present the article at a post office service window or mail it to your rural carrier.
3. If you want a return receipt postmarked, stick the gummed stub on the left portion of a return receipt card, *fastening the receipt in place*, and mail the article.
4. If you want a return receipt postmarked, the gummed stub number and your name and address on a return receipt card, Form 3810, and attach it to the back of the article by means of the address label.
5. If you want a return receipt postmarked, **RETURN RECEIPT REQUESTED**.
6. If you want a return receipt postmarked, **DELIVER TO ADDRESSEE ONLY**.

1. Postage - The postage must be paid by the sender. Registered delivery fee - \$0.6 (optional)
Insured delivery fee (optional)
Other fees - The sender must pay the fee for the service.
2. Address - The address must be written on the left portion of the envelope. The address must be written in the following order: street, city, state, and zip code.
3. Postmark - The envelope must be postmarked with the ground station on the left portion of the envelope. The postmark must be written in the following order: date, time, and location.
4. Postage - The postage must be paid by the sender. The postage must be paid in the form of a stamp or a meter. The postage must be paid in the form of a stamp or a meter.

HUMBLE OIL & REFINING COMPANY
HUMBLE DIVISION

Hobbs, New Mexico
June 18, 1963 AM 10

Cities Service Oil Company
Box 97
Hobbs, New Mexico

Sohio Petroleum Company
970 First National Office Building
Oklahoma City 2, Oklahoma

Gulf Oil Corporation
Box 2167
Hobbs, New Mexico

Sinclair Oil and Gas Company
520 East Broadway
Hobbs, New Mexico

Marathon Oil Company
Box 2107
Hobbs, New Mexico

Sunray-Mid Continent Oil Company
Box 128
Hobbs, New Mexico

Gentlemen:

Attached please find waivers to triple complete Humble's New Mexico State "G" No. 25, Penrose Skelly Oil, Wantz Abo Oil, Granite Wash Oil, Unit "NM", Section 2, Township 22 South, Range 37 East, Lea County, New Mexico, to be signed and forwarded to Mr. A. L. Porter, Jr., Secretary-Director, New Mexico Oil Conservation Commission, Post Office Box 871, Santa Fe, New Mexico. A stamped and addressed envelope is enclosed.

Very truly yours,

HUMBLE OIL & REFINING COMPANY

R. R. Alworth

R. R. Alworth
District Superintendent

DFL/akf

Attachments

PLACE _____

DATE _____

The undersigned being an authorized representative of the offset operator has been duly informed by Humble Oil and Refining Company of their intention to triple complete the New Mexico State "S" No. 25 as a Penrose-Skelly Oil, Wantz Abo Oil and Granite Wash Oil producer located in Unit "N", Section 2, Township 22 South, Range 37 East, Lea County, New Mexico, and hereby waives all objections to triple completing said well as a Penrose-Skelly Oil, Wantz Abo Oil, and Granite Wash producer.

NAME OF COMPANY

REPRESENTATIVE OF COMPANY

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

5-1-61

APPLICATION FOR MULTIPLE COMPLETION

Operator HUMBLE OIL & REFINING COMPANY		County Lea	Date June 18, 1963
Address Box 2347, Hobbs, New Mexico		Lease New Mexico State 884	Well No. 10
Location of Well Unit	Section 2	Township 2-24-S	Range 1-37-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 X NO

2. If answer is yes, identify one such instance: Order No. 2433 A; Operator, Lease, and Well No.:

Humble Oil & Ref. Co.; New Mexico State S #24 for triple tubingless completion; Granite Wash-Manta Aha-Brinkard

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Panrosa-Silo	Panrosa-Silo	Granite Wash Uncons.
b. Top and Bottom of Pay Section (Perforations)	3575 - 3800 EST	6800 - 7000 EST	7300 - 7400 EST
c. Type of production (Oil or Gas)	Oil	Oil	Oil
d. Method of Production (Flowing or Artificial Lift)	Flow	Flow	Flow

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

Yes 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 slide door devices, and such other information as may be pertinent.

Yes b. Plat showing the location of all wells on applicant's lease, all other wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.

Yes 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.*

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.

Cities Service Oil Company, Box 97, Hobbs, New Mexico

Gulf Oil Corporation Box 2167, Hobbs, New Mexico

Marathon Oil Company, Box 2107, Hobbs, New Mexico

Schrie Oil Company, 970 First National Office Building, Oklahoma City 2, Oklahoma

Sinclair Oil & Gas Company, 340 West Broadway, Hobbs, New Mexico

Sunray-Mid Continent Oil Company, Box 114, Hobbs, New Mexico

6. Were all operators listed in item 5 above furnished a copy of this application? YES NO . If answer is yes, give date of such notification June 18, 1963

CERTIFICATE: I, the undersigned, state that I am the General Manager of the HUMBLE OIL & REFINING 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

Noted: Return from all offset operators the accompanying application for multiple completion to the New Mexico Oil Conservation Commission will hold the application for a period of thirty (30) days from date of receipt by the Commission's Santa Fe office. If, after said thirty-day period, no patent 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 unconsolidated or a non-standard production unit in either or both of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

HUMBLE OIL & REFINING COMPANY

NEW MEXICO STATE 8 - 25

Proposed Triple Tubingless Completion

Penrose-Skelly ← Wantz Abo
Granite Wash

13-3/8" @ 300' Cement to Surface

NOTE: The three strings of 2-7/8" casing to be equipped with centralizers or turbolizers overlapping all pay zones and will be cemented back to approximately 2,600'.

9-5/8" @ 2650' Cement with 600 sacks.

Proposed Penrose-Skelly
3675'
3800'
5400'

Proposed Wantz Abo
6800'
7000'

7300'
7400' Proposed Granite Wash

7500' Est. T.D.

NEW MEXICO STATE "S" LEASE

R 37 E

HUMBLE		CONTINENTAL		CONTINENTAL		PAN-AMERICAN	
*4	O2	O1 "A"	O3	*2	O4	*5-C-13	
O3	*2	"B" O1	O2	O1	O3		
Hardison		Elliott	Lockhart				
GULF		MARATHON	CITIES SERVICE				SINCLAIR
O4	O1	O3	O4	O3	O5	O2	O3
							"357"
							"Q"
*6	O7	*6	*5	O4	O6	O1	O1
Mark Owen		Mark Owen		Owen			State
2	GULF		HUMBLE				GULF
O8	5006	O16	*15	*13	*12	*10	O5
O1							O5
D-B Dual		O19	O11	O8	O3	O2	O1
O3		*20					O4
Mark			2			Lynch	1
CITIES SERVICE						SUNRAY	
4008	O2	O13	O9	O6	O1	O2	O1
		O2-C					O2
5003	1007	O22	O7	O4	O2	O3	O1
		O20					O1
Brunson		O1-C				Lynch	Paddock
GULF	GULF		State			CHRISTMAS	SINCLAIR
O3	O3	O7	MARATHON	O3	O1	O1	O1
O1	O1						O2
2	5004	O8	O6	O4	O2	O2	O6
5004	5002	O4					O
Brunson	Bayne		Marathon				Redfern
10	BRITISH	SHIEL	MOORE			O7	O1-A
		O2	O2	O1			O8
							PINKOSE
O2	O1	O4	O3	O4	O3	O3	O2
Baker	Thomas Long	S. B. Long				Hinton	

Thomas Long S. B. Long

Processed Triple Completion

Drillhead

Drinking - soaked up tub on rising gas

Drilling Gas - Tub Gas Shut

OIL CONSERVATION COMMISSION

BOX 2045

HOBBS, NEW MEXICO

DATE June 21, 1963

OIL CONSERVATION COMMISSION
BOX 871
SANTA FE, NEW MEXICO

Re: Proposed NSP _____

Proposed NSL _____

Proposed NFO _____

Proposed DC _____

Triple X

Gentlemen:

I have examined the application dated 6/20/63
for the Humble Oil & Rfg. Co. New Mexico State "S" #25-N 2-22-37
Operator Lease and Well No. S-T-R

and my recommendations are as follows:

O.K. for both engineer & geologist----J.D.R

Yours very truly,

OIL CONSERVATION COMMISSION

Joel D. Ramsey

RECEIVED
JUN 25 1963
MIDLAND, TEXAS

PLACE Midland, Texas

DATE June 25, 1963

The undersigned being an authorized representative of the offset operator has been duly informed by Humble Oil and Refining Company of their intention to triple complete the New Mexico State "S" No. 25 as a Penrose-Skelly Oil, Wantz Abo Oil and Granite Wash Oil producer located in Unit "N", Section 2, Township 22 South, Range 37 East, Lea County, New Mexico, and hereby waives all objections to triple completing said well as a Penrose-Skelly Oil, Wantz Abo Oil, and Granite Wash producer.

SINCLAIR OIL & GAS COMPANY
NAME OF COMPANY

Form O &
Jub.
BEL

N. F. Gullledge
REPRESENTATIVE OF COMPANY

Noble F. Gullledge
Assistant Division Production
Superintendent

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

5-1-61

APPLICATION FOR MULTIPLE COMPLETION

Operator HUMBLE OIL & REFINING COMPANY		County Lea	Date June 18, 1962
Address Box 2347, Hobbs, New Mexico		Lease New Mexico State #8	4.89125
Location of Well	Unit "N"	Section 2	Township 3-22-S
			Range R-37-D

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 ☐

2. If answer is yes, identify one such instance: Order No. 2733; Operator, Lease, and Well No.:

Humble Oil & Ref. Co.; New Mexico State S #21, for triple completion of Granite Wash-Granite Wash-Drifted

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Penrose-Skelly	Penrose	Granite Wash Unders.
b. Top and Bottom of Pay Section (Perforations)	3675' - 3800' EST.	500' - 600' EST.	7300' - 7400' EST.
c. Type of production (Oil or Gas)	OIL	OIL	OIL
d. Method of Production (Flowing or Artificial Lift)	Flow	Flow	Flow

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

Yes a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and casing depths, centralizers and/or turbolizers and location thereof, quantities used and type of cement, perforated intervals, tubing strings, including diameters and casing depth, location and type of packers and slide door checks, and such other information as may be pertinent.

Yes b. Plat showing the location of all wells on applicant's lease, all offset wells or offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.

Yes 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 this application.*

No d. Electrical log of the well or other acceptable log, with report of zones of producing zones and intervals of perforation indicated
To be filed **11-10-61** (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.

Cities Service Oil Company, Box 97, Hobbs, New Mexico

Gulf Oil Corporation Box 2167, Hobbs, New Mexico

Marathon Oil Company, Box 2100, Hobbs, New Mexico

Schro Oil Company, 900 Main Street, Dallas, Texas 75202, City 2, Oklahoma

Sinclair Oil & Gas Company, 500 East 1st Street, Hobbs, New Mexico

Sunray-Pan Coalfield Oil & Gas Co., Box 111, Hobbs, New Mexico

6. Were all operators listed in item 5 furnished a copy of this application? YES ☒ NO ☐ If answer is yes, give date of such notification **June 18, 1962**

CERTIFICATE: I, the undersigned, being duly sworn, depose and say 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.

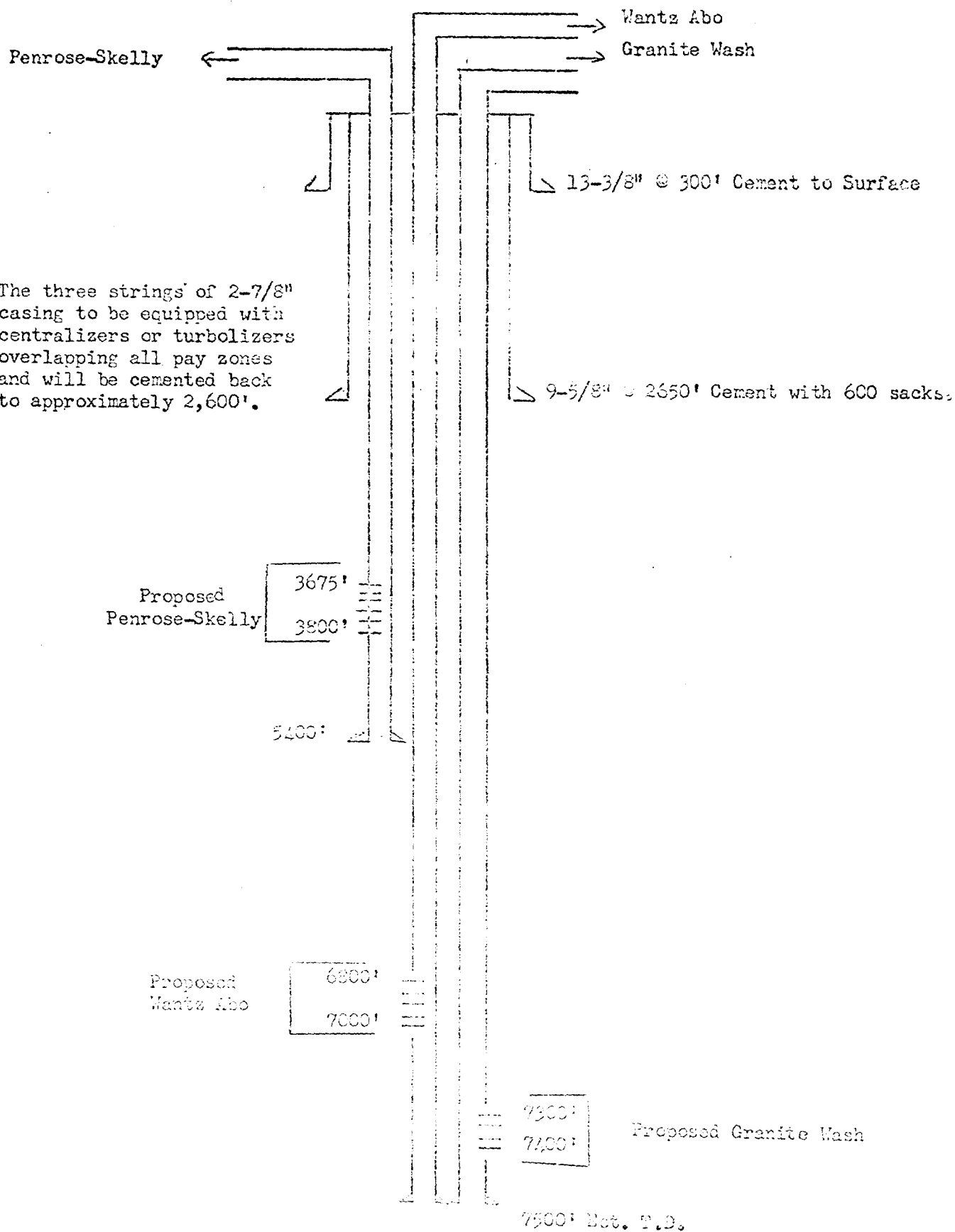
* Each waiver from all offset operators for accompanying an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of 60 days from date of receipt by the Commission's Santa Fe office. If, after said 60-day period, no protest or request 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 unregulated well location and/or a non-standard production unit in either or both of the producing zones, then separate applications for approval of the same should be filed simultaneously with this application.

HUMBLE OIL & REFINING COMPANY

NEW MEXICO STATE S - 25

Proposed Triple Tubingless Completion



HUMBLE OIL AND REFINING COMPANY

NEW MEXICO STATE "B" LEASE

R 37 E

HUMBLE		CONTINENTAL		CONTINENTAL		PEN-AMERICAN	
*1	02	01 "A"	03	*2 "B"	04		
03	*4	*3 "C" 1	02	01	03	*5-0-13	
Hardison		Elliott	Lockhart				
GULF		MARATHON	CITIES SERVICE			SINCLAIR	
01	03	01	04	03	05	01	03
*6	07	*6	*5	04	06	01	01
Mark Owen		Mark Owen	Owen			Statts	
2 GULF		11	12	13	14	15	16
008	5006	016	015	014	013	012	011
D-B Dual		019	011	08	03	02	01
03	7004	*20					
Mark							
CITIES SERVICE		2018	09	06	01	02	01
4008	02	*21-C					
5003	1007	022	07	04	02	01	01
Brunson		010				Christ	
GULF	GULF	01-C	State			Wals	Paddock
6005	6003	07	05	03	01	01	02
5002	5004	009	06	04	02	01	01
Brunson	Bayne						
AYERDA		02	03	02	01	01	03
02	01	04	03	04	03	02	
Baker	Thomas Long					Hinton	

Proposed Tripple Completion

Drinking - Sealed w/ rubber tubing Gas

Blinddry Gas - Told Gas Pump

Penrose - Wagon HSE - 6000 - 10000

SECTION 4 10

PLACE Midland Texas
DATE 6-25-63

The undersigned being an authorized representative of the offset operator has been duly informed by Humble Oil and Refining Company of their intention to triple complete the New Mexico State "S" No. 25 as a Penrose-Skelly Oil, Wantz Abo Oil and Granite Wash Oil producer located in Twp. 1N, Section 2, Township 22 South, Range 37 East, Lea County, New Mexico, and hereby waives all objections to triple completing said well as a Penrose-Skelly Oil, Wantz Abo Oil, and Granite Wash producer.

Marathon Oil Co.
NAME OF COMPANY

Coe S. Mills
REPRESENTATIVE OF COMPANY

1963 JUN 11 AM 7 34

PLACE Hobbs, N.M.
DATE JUNE 21, 1963

The undersigned being an authorized representative of the offset operator has been duly informed by Humble Oil and Refining Company of their intention to triple complete the New Mexico State No. 25 as a Penrose-Skelly Oil, Wantz Abo Oil and Granite Wash Oil producer located in Unit "N", Section 2, Township 22 South, Range 37 East, Lea County, New Mexico, and hereby waives all objections to triple completing said well as a Penrose-Skelly Oil, Wantz Abo Oil, and Granite Wash producer.

Cities Service Oil Co.
NAME OF COMPANY

[Signature]

REPRESENTATIVE OF COMPANY

Dr. B. B. B.

PLACE Hobbs, New Mexico

DATE June 21, 1963

7 34

The undersigned being an authorized representative of the offset operator has been duly informed by Humble Oil and Refining Company of their intention to triple complete the New Mexico State "S" No. 25 as a Penrose-Skelly Oil, Wantz Abo Oil and Granite Wash Oil producer located in Unit "N", Section 2, Township 22 South, Range 37 East, Lea County, New Mexico, and hereby waives all objections to triple completing said well as a Penrose-Skelly Oil, Wantz Abo Oil, and Granite Wash producer.

Gulf Oil Corporation
NAME OF COMPANY

W. B. Balcer
REPRESENTATIVE OF COMPANY

PLACE

Midland Texas

DATE

7/5/63

The undersigned being an authorized representative of the offset operator has been duly informed by Humble Oil and Refining Company of their intention to triple complete the New Mexico State "S" No. 25 as a Penrose-Skelly Oil, Wantz Abo Oil and Granite Wash Oil producer located in Unit "N", Section 2, Township 22 South, Range 37 East, Lea County, New Mexico, and hereby waives all objections to triple completing said well as a Penrose-Skelly Oil, Wantz Abo Oil, and Granite Wash producer.

Solvis Petroleum Co
NAME OF COMPANY

J. Walters
REPRESENTATIVE OF COMPANY

Case 2878

Heard 8-7-63.

Rec. 8-16-63

1. Grant Humble their ~~well~~ ^{Triple} completion for their N. Mex. Lt. "5" #25 unit W-2 - 225 - 37 E. To be completed as a tubingless triple in the Permian-shelly Oil Pool, Wenty also oil pool, and under granite wash oil pool.

Grant Humble

○ NEAREST PENROSE SKELLY WELL
 ○ NEAREST WANTZ ABO WELL
 ○ NEAREST GRANITE WASH WELL

WANTZ (Abo)

EUNICE

DRINKARD

PADDOCK

SUBJECT WELL

UNSON (Ellen)

HARE 16

CARY

HUMBLE OIL & REFINING COMPANY
 SOUTHWEST REGION
 LEA COUNTY, NEW MEXICO
 EXHIBIT NO. 1
 N.M.O.C.C. CASE NO. 2878
 HOBBS DISTRICT AUGUST 1963

DRAFT

JMD/esr

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. 2878

Order No. R- 2553

APPLICATION OF HUMBLE OIL & REFINING
COMPANY FOR A TRIPLE COMPLETION, LEA
COUNTY, NEW MEXICO.

Ex. 8-16-63
[Signature]
[Signature]

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on August 7, 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 August, 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, Humble Oil & Refining Company, seeks authority to complete its New Mexico State "S" Well No. 25, located in Unit N of Section 2, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico, as a triple completion (tubingless) to produce oil from the Penrose-Skelly and Wantz-Abo Pools and an undesignated Granite Wash zone through parallel strings of 2 7/8-inch casing 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.

IT IS THEREFORE ORDERED:

(1) That the applicant, Humble Oil & Refining Company, is hereby authorized to complete its New Mexico State "S" Well No. 25, located in Unit N of Section 2, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico, as a triple completion (tubingless) to produce oil from the Penrose-Skelly and Wantz-Abo Pools and an undesignated Granite Wash zone through parallel strings of 2 7/8-inch casing 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 Gas-Oil Ratio Test Period for the Granite Wash Zone.

(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.

GOVERNOR
JACK M. CAMPBELL
CHAIRMAN

State of New Mexico
Oil Conservation Commission



P. O. BOX 871
SANTA FE

LAND COMMISSIONER
E. S. JOHNNY WALKER
MEMBER

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

August 21, 1963

Mr. Howard Bratton
c /o Hervey, Dow & Hinkle
Box 10
Roswell, New Mexico

Re: Case No. 2878
Order No. R-2555
Applicant:

Humble Oil & Refining Co.

Dear Sir:

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

Very truly yours,

A handwritten signature in cursive script, reading "A. L. Porter, Jr.".

A. L. PORTER, JR.
Secretary-Director

ix/

Carbon copy of order also sent to:

Hobbs OCC X

Artesia OCC

Antec OCC

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. 2878
Order No. R-2555

APPLICATION OF HUMBLE OIL & REFINING
COMPANY FOR A TRIPLE COMPLETION, LEA
COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on August 7, 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 21st day of August, 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, Humble Oil & Refining Company, seeks authority to complete its New Mexico State "S" Well No. 25, located in Unit N of Section 2, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico, as a triple completion (tubingless) to produce oil from the Penrose-Skelly and Wantz-Abo Pools and an undesignated Granite Wash zone through parallel strings of 2 7/8-inch casing 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.

IT IS THEREFORE ORDERED:

(1) That the applicant, Humble Oil & Refining Company, is hereby authorized to complete its New Mexico State "S" Well No. 25,

-2-

CASE No. 2878

Order No. R-2555

located in Unit N of Section 2, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico, as a triple completion (tubingless) to produce oil from the Penrose-Skelly and Wantz-Abo Pools and an undesignated Granite Wash zone through parallel strings of 2 7/8-inch casing 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 Gas-Oil Ratio Test Period for the Granite Wash zone.

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

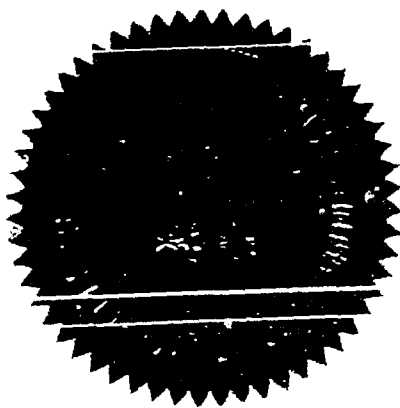
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

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



esr/

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

5-1-61

APPLICATION FOR MULTIPLE COMPLETION

Operator HUMBLE OIL & REFINING COMPANY			County Lea	Date June 18, 1963
Address Box 2347, Hobbs, New Mexico			Lease New Mexico State "S"	Well No. 25
Location of Well "N"	Unit "N"	Section 2	Township T-22-S	Range R-37-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 ☐

2. If answer is yes, identify one such instance: Order No. 2433 A; Operator, Lease, and Well No.:

Humble Oil & Ref. Co.; New Mexico State S #24 for triple tubingless completion; Granite Wash-Wantz Abo-Drinkard

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Penrose-Skelly	Wantz Abo	Granite Wash Undes.
b. Top and Bottom of Pay Section (Perforations)	3675 - 3800 EST	6800 - 7000 EST	7300 - 7400 EST
c. Type of production (Oil or Gas)	Oil	Oil	Oil
d. Method of Production (Flowing or Artificial Lift)	Flow	Flow	Flow

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

Yes a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or tubularizers 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.

Yes b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.

Yes c. Waivers consenting to such multiple 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.

Cities Service Oil Company, Box 97, Hobbs, New Mexico

Gulf Oil Corporation Box 2167, Hobbs, New Mexico

Marathon Oil Company, Box 2107, Hobbs, New Mexico

Sohio Oil Company, 970 First National Office Building, Oklahoma City 2, Oklahoma

Sinclair Oil & Gas Company, 520 East Broadway, Hobbs, New Mexico

Sunray-Mid Continent Oil Company, Box 128, Hobbs, New Mexico

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 June 18, 1963

CERTIFICATE: I, the undersigned, state that I am the Agent of the **HUMBLE OIL & REFINING 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.

P. R. Alvarado
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 either or both of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

○ NEAREST FENROSE SKELLY WELL
○ NEAREST WANTZ ABO WELL
○ NEAREST GRANITE WASH WELL

WANTZ (Abo)

EUNICE

DRINKARD

SUBJECT WELL

PADDOCK

UNSON (Ellen)

HARE

CARY

HUMBLE OIL & REFINING COMPANY
SOUTHWEST REGION

LEA COUNTY, NEW MEXICO

EXHIBIT NO. 1
N.M.O.C.C. CASE NO. 2878

HOBES DISTRICT AUGUST 1963

HUMBLE OIL & REF. CO.

N. M. STATE "S" 25
TRIPLE TUBINGLESS COMPLETION

Three Strings 2-7/8" Casing
in 8-3/4" Hole.

String No. 1 @ 7393'

String No. 2 @ 7393'

String No. 3 @ 5456'

Centralizers:

String No. 1

7395' to 5000' - 80

3925' to 3600' - 11

String No. 2

7395' to 5000' - 80

3925' to 3600' - 11

String No. 3

5440' to 5000' - 15

3925' to 3600' - 11

Total Centralizers 208

Cementing - 2 Stages - Flushed
w/Brine before each stage.

1st Stage: Down Strings 1 &
2 at high rate with 100 sx Incor
Neat plus 6/10 of 1% Halad 9
followed by 475 sx Incor Neat
plus 5# Gilsonite per sx.
Circulated slowly down String
No. 3 while cementing & con-
tinued for 4 hours.

2nd Stage: Down String 3
w/900 sx Incor 4% Gel. plus
6/10 of 1% Halad 9 plus 5#
Gilsonite per sx.

Radio Active Collars - ▶
As marked on Strings 2 & 3
for correlation.

Temp. Survey - 6 Hours
After last plug down.
Found top cement at 1500'

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
EXHIBIT NO.
CASE NO.

13-3/8" @ 305'
Cement to Surface
9-5/8" @ 2660'
Cement to 1275'

3563

STRING NO. 3

3845

STRING NO. 2

STRING NO. 1

3404'

QUEEN

3644'

GRAYBURG

3825'

SAN
ANDRES

4954'

GLORIETA

5440'

BLINEBRY

5918'

TUBB

6246'

DRINKARD

6506'

ABO

7244'

SD. STONE - UNK. AGE

7298'

GRANITE WASH

7362'

GRANITE

6506

7393'

7393'

T.D. 7395'

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

EXAMINER HEARING

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

SANTA FE, N. M.
PHONE 963-3971

ALBUQUERQUE, N. M.
PHONE 243-6691

IN THE MATTER OF:

Application of Humble Oil & Refining Company for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the triple completion (tubingless) of its New Mexico State "S" Well No. 25, located in Unit N of Section 2, Township 22 South, Range 37 East, Lea County, New Mexico, to produce oil from the Penrose-Skelly and Wantz Abo Pools and an undesignated Granite Wash zone through parallel strings of 2-7/8 inch casing cemented in a common well bore.

Case No. 2878

BEFORE: Elvis A. Utz, Examiner.

TRANSCRIPT OF HEARING

August 7, 1963.



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BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
August 7, 1963

EXAMINER HEARING

IN THE MATTER OF:

Application of Humble Oil & Refining Com-
pany for a triple completion, Lea County,
New Mexico. Applicant, in the above-
styled cause, seeks approval of the triple
completion (tubingless) of its New Mexico
State "S" Well No. 25, located in Unit N
of Section 2, Township 22 South, Range 37
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oil from the Penrose-Skelly and Wantz Abo
Pools and an undesignated Granite Wash
zone through parallel strings of 2-7/8
inch casing cemented in a common well bore.

Case 2878

BEFORE: Elvis A. Utz, Examiner.

TRANSCRIPT OF HEARING

MR. UTZ: Case 2878.

MR. DURRETT: Application of Humble Oil & Refining Com-
pany for a triple completion, Lea County, New Mexico.

MR. BRATTON: Howard Bratton appearing on behalf of the
Applicant. We have one and possibly two witnesses sworn.

(Witnesses sworn.)

(Whereupon, Applicant's Exhibits Nos. 1 through 4 were marked for identification.)



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WILLIAM S. DAVIS

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

DIRECT EXAMINATION

BY MR. BRATTON:

Q Will you state your name, by whom you are employed, and in what capacity?

A William S. Davis, supervising engineer, Humble Oil & Refining Company, Midland.

Q Have you previously testified before this Commission?

A Yes, sir.

Q Are you familiar with the matters contained in this application and the matters under consideration here?

A Yes, sir.

MR. BRATTON: Are the witness's qualifications acceptable?

MR. UTZ: Yes, sir, they are.

Q What does Humble seek in this application?

A We're seeking permission for multiple completion to permit a triple completion in the Penrose-Skelly, Wantz Ace and an undesignated Granite Wash. I might mention for the Commission's reference, I believe the undesignated Granite Wash will be on the August 14 statewide nonenclosure case as Wantz Granite Wash, but



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is not presently a designated pool.

Q Referring to your Exhibit No. 1, does that show the location of the well and the surrounding area?

A Yes. This is off our State S-25. I would call your attention on this map to the fact that it is the nextdoor neighbor to our State S-24 which is identical and which was approved by the Commission approximately two months ago. The two lower completions are the same. The upper completion is the only difference.

Q Your mechanics of completion are the same?

A Yes.

Q It's just you are adding --

A It's the combination of zones that has one difference, otherwise the mechanical setup is exactly the same and the two lower zones, as I said, are the same, Wantz Abo and undesignated Granite Wash.

Q Is there anything further you care to point out in connection with Exhibit No. 1?

A No, I don't believe we have anything to add except, as I say, it's on the adjoining proration unit too triple virtually identical.

Q Is Exhibit No. 2 your application for multiple completion, what does it reflect?



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A It shows the three completions, the fact that the off-set operators have been notified of our intentions, the Penrose-Skelly portion has been perforated, the other two have not yet. The Penrose-Skelly has been perforated at 3678, 3703, 3706, 3716, 3724, 3731 and 3746. This completion is presently shut-in for pressure build-up test. We are attempting to gain information on the completion in this area.

Q You actually haven't perforated the Wantz Abo or the Granite Wash yet?

A No, so the last that we would have to offer would be our estimated completion intervals as they are shown on the form.

Q Is there anything further you care to point out in connection with Exhibit No. 2?

A I don't believe we have anything to add there.

Q Turn then to your Exhibit No. 3.

A We now have a log of the well, while the form said on Section 4 (d), the form said no at the time the form was filed, we now have obtained the log, so we offer it in evidence at this time.

Q What does it reflect, Mr. Davis?

A It shows the tops of the various formations as they occur in the well. This is very similar, as I say, to S-24.

Q Are your tops on your log the same as in your application,



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I assume they are possibly a little different now that you have the log?

A There may be some minor variations. There are no significant differences. We had control from just one proration unit away when this exhibit was prepared.

Q Turn then to your Exhibit No. 4, Mr. Davis. Is that the proposed mechanical completion?

A Yes, this is a diagrammatic sketch of what is in the hole, the 13-3/8 surface casing was circulated, the cement was circulated to surface, the 9-5/8 inch casing set at 2660, had cement back to 1275 feet. The bottom of the hole is at 7395, and the top of the cement was found at 1500 feet. The short string, as I say, is the one which has the completion in it now. We gave those perforated intervals just a minute ago. The other two strings have not been perforated.

Q With three separate strings in the hole, there are no problems that you would anticipate in this well either in operation or communication?

A I know of none.

Q This would be exactly the same mechanical completion as in the offset except you are substituting the Larose-Skelly, is that in the Grayburg here?

A Yes, in this case I believe the upper completion is the



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Drinkard.

Q Due to the fact that you haven't even perforated in your two lower zones, you have no information as to the fluid characteristics or the ratios or any such?

A No, we have nothing to offer in that nature at this time on this well.

Q Is there anything further you care to point out in connection with this application?

A Well, the zones are recognized as separate pools. I have nothing else to add.

Q Were Exhibits 1 through 4 prepared by you or under your supervision?

A Yes, sir.

MR. BRATTON: We offer in evidence Exhibits 1 through 4.

MR. UTZ: The Exhibits 1 through 4 will be entered into the record.

(Whereupon, Applicant's Exhibits Nos. 1 through 4 were offered and admitted in evidence.)

MR. BRATTON: We have nothing further at this time.

CROSS EXAMINATION

BY MR. UTZ:

Q Now, is the Penrose-Skelty a wildcat in this area?



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A No, sir. There is Penrose-Skelly on Exhibit 1. I think you'll find the nearest Penrose-Skelly completion is immediately south of our State "S" lease, it's marked, it's circled, oh, it looks like it would be Unit C on the Ambassador lease just south of our well. Those would be on adjoining proration units since there's more than one well on Unit N. It looks like there's a well in between, but they are on actually offsetting proration units.

Q Do you have any information on that well as to fluid and pressure?

A No, I do not, Mr. Examiner.

Q Gas-oil ratio?

A I do not.

Q How about the Wantz Abo, do you have any information on that from your other well?

A The fluid characteristics?

Q The gas-oil ratio, the pressure.

A We are currently making a pressure buildup test on that well in S-24, which is still being experimented with. I do not have the details of that at this time. In fact, we are running pressure buildup tests on the Granite Wash and the Wantz Abo in State S-24 in an effort to obtain more reservoir data in connection with the development of these two deeper reservoirs.



Q In regard to the centralizers and turbulizers, are you using both on these strings of tubing?

A Let's see, we had the centralizers in the hole as listed on here. I'm not aware of turbulizers, no, sir.

Q How far above and below the pay zones do you have the centralizers?

A Well, let's see, looking at string No. 1, it would likely be the Granite Wash, 5,000 feet is uppermost, that would be just over 2,000 feet in the case of that one. In the case of the Wantz Abo it would be roughly 1800 feet above. The centralizers on the third string, 3600 feet is the uppermost, perforation is at 3678 in that particular hole at the moment, and the top of the cement was found at 1500 feet.

Q So you have centralizers at least a hundred feet on each side of each pay zone, is that correct?

A Very close to a hundred feet on the uppermost, much more than on all the others. The only exception to that is 78 feet in the case of the Penrose-Skelly.

Q And you found the cement behind the three strings of pipe at 1500, is that correct?

A Yes, that's by temperature survey.

Q Now, between the bottom of the surface casing and the top of the cement on 9-5/8ths you have open hole behind the



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casing of some 925 feet. What zones do you have behind that?

Are there any oil, gas or water productive zones?

A The Santa Rosa, I believe, could be behind that. I might point out that this cement in this one on the 9-5/8ths is some 300 feet higher in that annular space than in S-24. It does not tie directly to the 13-3/8ths surface pipe. That would be the only possibility.

Q Is the Santa Rosa water fresh water in this area?

A I think so, considered fresh there. I believe the Rustler is not, but the Santa Rosa is. This, I might add, is about twice as much cement as is customary in similar lower old holes in this general area.

Q You feel that the Santa Rosa is being confined to its original aquifer?

A Yes, we do. It would take on top of that a dual casing leak to cause any kind of communication.

Q You don't feel that it would be allowed to migrate to another zone behind the casing?

A I don't believe it will. We have cement circulated from 305 to the surface, which restricts it on top. We have 1275 which is roughly at the base of the Santa Rosa, if I recall this area. This is not an exceptional completion for this area, I might add, to my knowledge.



MR. UTZ: Are there any other questions of the witness?

The witness may be excused.

(Witness excused.)

MR. UTZ: Do you have another witness?

MR. BRATTON: No, sir.

MR. UTZ: Are there any other statements to be made in this case? We will take the case under advisement. We'll adjourn until 1:15.

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STATE OF NEW MEXICO)
) SS
 COUNTY OF BERNALILLO)

I, ADA DEARNLEY, Court Reporter, do hereby certify that the foregoing and attached transcript of proceedings before the New Mexico Oil Conservation Commission at Santa Fe, New Mexico, is a true and correct record to the best of my knowledge, skill and ability.

IN WITNESS WHEREOF I have affixed my hand and notarial seal this 21st day of August, 1963.

Ada Dearnley
 Notary Public-Court Reporter

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. 2825, heard by me on Aug 7, 1963.

[Signature], Examiner
 New Mexico Oil Conservation Commission

