### CASE NO.

APPlication,
Transcripts,
SMAIL Exhibits
ETC.

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

August 30, 1963

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 unerthodox location 1930 feet from the South line and 660 feet from the Mest line of Section 21, Township 19 South, Range 32 East, Lusk Morrow Gas Pool, Lee County, New Mexico.

Insanuch as Commission Order R-2554 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 50 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 estherized to drill your Fields Unit Well No. 4 at the above-described new location.

Very truly yours,

A. I. Morter, Jr. Mercetor

71.1705 Vdeg

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

MUGAC, Hobbs

Case File 2975

UNL File 316

CLASS OF SERVICE This is a fast me acter is indicate oper symbol.

### WESTERN UNION

TELEGRAM

DL = Day Letter NL an Night Lett

The filing time shown in the date line on de LA169 DB347

W. P. MARSHALL, PRESIDENT

Stric telegrams is LOCAL TIME at point of origin. Time of receipt is LOCAL TIME at point of origin. Time of receipt is LOCAL TIME at point of origin. Time of receipt is LOCAL TIME at point of origin. D EPA470 PD=WUX EL PASO TEX 18 450P MST= =OIL CONSERVATION COMM, STATE OF NEW MEX=

P 0 BOX 871 SANTA FE NIEX=

THE WORKING INTEREST OWNERS OF THE LUSK DEFP 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, No Me Po Me , LEA COUNTY, NEW MEXICO=

T W BITTICK ASST MGR LAND DEPT EL PASO NATL GAS CO=

L=660 1980 21 T=19=8 R=32=E N M P M= UM 110 ERIUS CONCERNING ITS SERVICE 100 CL 10 11 0 10

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

FORM 10-15 (REV. 6-53)

EL PASO NATURAL GAS COMPANY

Type of Service: WUX Western Union	El Paso Office	Car 28/5
Fast Telegram Day Letter 198 Night Letter	AND TO TAKE	For use of teletype operator  A.M. Time sent P.M.
TWX Telephone Company TWP EPNG Network PrepaidCollect	18 3 PMPM4 1 225	Ву

To State of New Mexico Post Office Box 371 Santa Fo, New Mexico

The working interest ewners of the Luck Boop Unit have no objection to the drilling by Perry R. Bass of the proposed Merrow test well at a location 660 feet FWL and 1980 feet FWL Section 21, T-19-8, R-32-E, H. H. P. M., Lea County, New Mexico.

EL PASO HATERAL GAS COMPANY

DOCKET M HED

VI. W. Bittick Assistant Manager Land Department

Date 1/29/63

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LAW OFFICES HERVEY, DOW & HINKLE

HINKLE BUILDING

ROSWELL, NEW MEXICO

July 26, 1963

boat Othice Box 10
Lefebhous ess-earo

1 12 28 15°

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

### Gentlemen:

J. M. HERVEY 1874-1953

J. M. HERVEY 1874-1953
MIRAM M. DOW
CLARENCE E. HINKLE
W.E. SOPOURANT, 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.

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

HCB:jw

DOCKET HARDS

Case 2676
Neard 8-7-63
Rec. 8-16-63

1. Shant Peny Base an unorthadox

Location for there after a dual completer
in the Block monow and Luck Strawn

pools at the location 1986/54 660/w

lines of sec. 21-198-325. This well is
in the Plains unit and.

Thust the

Ray Orange

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-

ه . . ممر ۲۰۰۰

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 Section 21, Township 19 South, Range 32 East.

Passelt in recovery of otherwise unrecoverable air and gan as the applicants proposes to deally complete the subject well in Linkroman far Pool and Link- strawn Oil Pool and the geological condition in the area will not justify a single completion

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That approval of the application will hot cause waste and

- (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 hereinabove designated.

### GOVERNOR JACK M. CAMPBELL CHAIRMAN

### State of New Mexico

### **Bil Conserbation Commission**

LAND COMMISSIONER

E. S. JOHNNY WALKER

MEMBER



STATE SECURIST
A. L. PORTER, JR.
SEGMETARY - 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:
	Vorry R. Bass

Dear Sire

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

Very truly yours,

L. Porter, Jr.

Secretary-Director

17/			
Carbon copy of order	also	sent	to:
Bobbs OCC			
Artesia OCC			
Astec OCC			
OTER			

### BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION CONGISSION OF MEN MEXICO FOR THE PURPOSE OF CONSIDERING:

> CASE No. 2875 Order No. R-2554

APPLICATION OF PERRY R. BASS POR AM UMORTHODOX GAS WELL LOCATION, LEA COUNTY, NEW MEXICO.

### ORDER OF THE COMMISSION

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NOW, on this of day of August, 1963, the Commission, a quorum being resent, 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, EMPM, 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.

DOME at Janta Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO OIL CONSERVATION COMMISSION

JACK M. CAMPRELL, Chairman

E. S. WALKER, Member

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

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

HEARING EXAMINER

### IN THE MATTER OF:

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PASTA PE. N. N.

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Application of Perry R. Bass for an unorthodox gas well location, Lea County, New Mexico. Applicant, in the abovestyled 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\_

Elvis A. Utz, Examiner PERORE:

TRANSCRIPT OF HEARING

### DEARIVLEY-MEIER REPORTING SERVICE, Inc.

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 unorthodox gas well location, Lea County, New Mexico. Applicant, in the abovestyled 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 unorthodox gas well location, Lea County, New Mexico.

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

(Mitness sworm.)

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

### CHARLES R. HARSHALL

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

ALBUQUERQUE, N. M. PHONE 243-6691



FARMINGTON, N. M. PHONE 325-1182

BANTA FE, N. M. PHONE 983-3971

### DIRECT EXAMINATION

### BY MR. BRATTON:

- Please state your name, by whom you are employed and in what capacity.
- Charles R. Marshall, employed by Pan American Petroleum Corporation as a petroleum engineer in their Fort Worth Division
- Have you previously testified before this Commission as Office. Q an expert witness?
  - Yes, sir, I have.
  - In this connection, Mr. Marshall, are you familiar with the Plains Unit Area of the Horrow Gas Pool and the matters contained in this application?
    - Yes, sir, I am.
    - Is the Plains Unit a unit operated by Perry Bass with Pan American owning an interest therein?
      - Yes, sir, that's correct.
    - In this hearing you are appearing on behalf of Perry Q Bass, who is the unit operator?
    - That's correct. Pan American is a working interest owner.
      - What is Pan American socking in this hearing?
      - We are seeking an exception to the spacing rules in the Q A



BANTA FE. N. M. PHONE 983-3971

## DEARNLEY-MEIER REPORTING SERVICE,

FARBINGTON, N. M. PHONE 325-1182

SANTA PE, N. M. PHONE 983-3971

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.)

- Will you refer to your Exhibit No. 1 and explain what it depicts, Mr. Marshall?
- 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.
  - It reflects a total of seven Morrow wells, does it not? Q
  - Yes, sir, that's correct.
- Is there anything further depicted on your Exhibit No. Q 1, Mr. Marshall?
  - No, sir, that's just about it.

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

- Let's turn, then, to your Exhibit No. 2. Q
- Exhibit 2 again is a map of this same area showing the western part of the Plains Unit and other areas in this particular



8ANTA FE, N. M.

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?



## DEARNLEY-MEIER REPORTING SERVICE,

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Yes, sir.

Why are we seeking this exception, Mr. Marshall?

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.

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

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

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

Definitely, yes, sir.

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

Q Will you turn to Exhibit No. 3?

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



BANTA FE, N. M. PHONE 983-3971

AINGTON, N. M. DEARNLEY-MEHER REPORTING SERVICE, Inc.

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

Then as a matter of economics, you feel it's essential Q 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?

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

What are your economics on that, Mr. Marshall?

Well, sir, to drill a Strawm Morrow dual completion A 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 onc 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?

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



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.

- So that the granting of this application would be in the interest of the prevention of waste, is that correct?
  - That's correct.
- Your proposed location is next door to what unit is it, the Lusk Morrow Unit?
  - The Lusk Deep Unit. A
- Is the royalty common in the Lusk Deep Unit and the Plains Unit, is it all United States royalty?
  - Yes, sir, the entire royalty is United States royalty. A

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 Hanager, 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 Ho. 4 was marked for identification,)



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?



Yes, sir. A

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:

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

Yes. A

How many wells do you have? Q

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

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

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



### DEARNLEY-MEIER REPORTING SERVICE, Inc.

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.

- How about Section 16?
- To the North of 21?
- Q Yes, sir.

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.

- Do you think that a well located 660 from a section line will drain 640 acres in Section 21?
  - You mean drain 640 acres out of Section 21?
  - Q Yes.

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.



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

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:

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?

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

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

Well, it was completed before Ho. 2. I don't know the exact completion date.

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



### FARMINGTON, N. M. PHONE 325-1182 DEARNLEY-MEIER REPORTING SERVICE, BANTA FE, N. M. PHONE 983-3971

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

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the Strawn?

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

Probably in the range of a year or two old.

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.

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

My commission expires: June 19, 1963.

> I do hereby sertify that the foregoing to a complete record of the proceedings in the Eraniuer boaring of Case No. 2775,

Tuest. . Examiner New Mexico Oil Conservation Commission



Memo Dem D. S. NUTTER CHIEF ENGINEER FOR A PORT OF REAL GOVERNANCE. Funk Morrow Gar Prof Lung of a 10520 1980' FSL & 660' FWL 21-198 32E FEA CO

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

### CASE NO.

APPlication, Transcripts, SMALL Exhibits ETC.

Car 2815 HUMBLE OIL & REFINING COMPANY Hobbs, New Mexico June 18, 1963 HUMBLE DIVISION Re: Application for Triple Tubingless Completion, New Mexico State S - 25. 100 000 - 11 10 Markening Mr. A. L. Porter, Jr., Secretary-Director New Mexico Oil Conservation Commission Post Office Box 871 Santa Fe, New Mexico Attached is Humble Oil and Refining Company's Application for multiple completion of its New Mexico State "S" - 25 as a triple tubingless completion of its New Mexico State "S" - 25 as a triple tubingless Oil Completion in the Penrose Skelly Oil Wantz Abo Oil Granite Wash Oil completion of its New Mexico State "S" - 25 as a triple tubingless Oil, Granite Wash Oil Sompletion in the Penrose Skelly Oil, Wantz Abo Oil, Granite Wash Oil This well is located in Unit "N", Section 2, Township 22 South, Range 37 East, Lea County, New Mexico. Dear Mr. A. L. Porter, Jr. It is proposed to set 13=3/8" casing at approximately 300' and cement it back it to the surface; 2-5/8" at approximately 2,650' and cement it back into the salt section. Three sirings of 2-7/8" casing will be run in into the salt section. Three sirings of 2-7/8" casing will be run in a common \$2.3/1" well hore. As per schematic diagram, and cemented back into the salt section. Three strings of 2-1/8" casing will be run in a common 8-3/4" well bore, as per schematic diagram, and cemented back If this Application cannot be approved administratively, please place it on the earliest possible docket for hearing before the Commission. to the intermediate casing. HUMBLE OIL & REFINING COMPANY R.R. alwarth R. R. Alworth District Superintendent DOCKET MALLED cc: N. M. O. C. C., Hobbs, New Mexico Wr. 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
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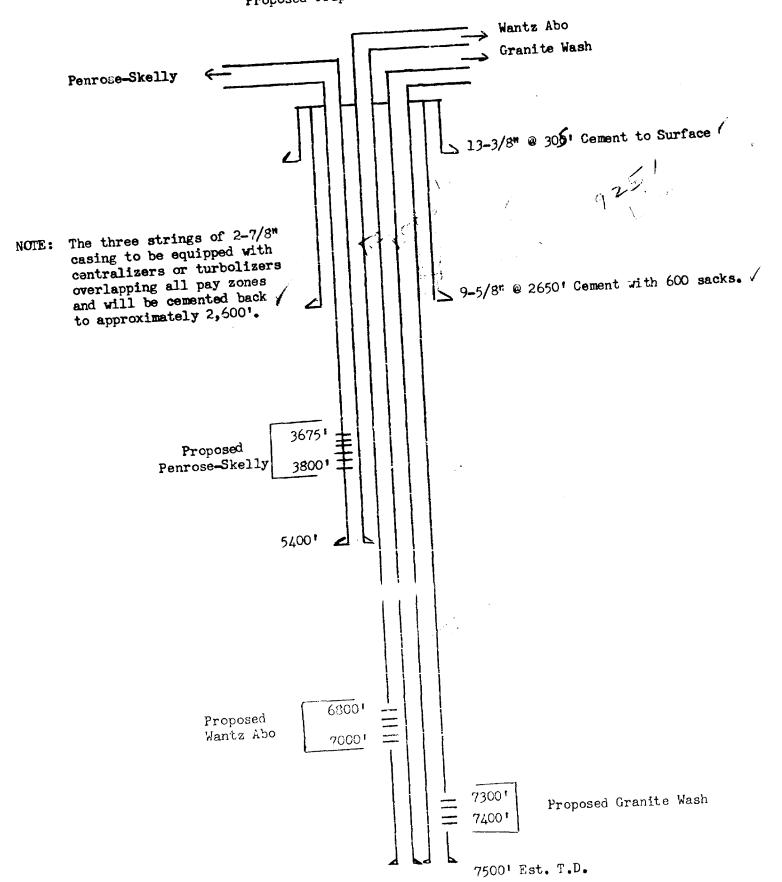
	MPANY	County	June 18, 1963
Address Box 2347, Hobbs, New Mex	ico	Lease   New Mexico State "S"	Well No.
ordation Unit	Section 2	wnship T-22-S	Range R-37-E
1. Has the New Mexico Oil Conservati		torized the multiple completion of	a well in these same pools or in the
same zones within one mile of the s			
l. It answer is yes, identify one such is	nstance: Order No. 2433		
Humble Oil & Ref. Co.; N	lew Mexico State S #2	24 for triple tubingles	es completion; Granite Wash Wantz Abo-Drinkard
3. The following facts are submitted:	Upper Zone	Intermediate	Lower
		Zone	Zone
a. Name of Pool and Formation	Penrose-Skelly	Wantz Abo	Granite Wash Undes.
5. Top and Bottom of			
Pay Section	3675 - 3800 Est	6800 - 7000 EF	7300 - 7400 EST
c. Type of production (Oil or Gas)	011	OII	Oil
d. Method of Production		T32	Plat.
(Flowing or Artificial Hift)	Flow	Flow	Flow
I. The following are attached. (Please	mair (150 Of NO)		
	ies of the application.*		of, evidence that said offset operators
No 4. Electrical log of the well to filed thereon. (If such log is no 5. List all offset operators to the lease	ies of the application.*  I or other acceptable log with to available at the time applica on which this well is located	ops and bottoms of producing zone tion is filed, it shall be submitted together with their correct mailing	s and intervals of perforation indicated as provided by Rule 112-A.)
No d. Telectrical log of the well the filed thereon. (If such log is no but the such log is no but the lease cities Service Oil Cor	ies of the application.* I or other acceptable log with to available at the time application which this well is located appany, Box 97, Hobbs	ops and bottoms of producing zone tion is filed, it shall be submitted together with their correct mailing, New Mexico	s and intervals of perforation indicated as provided by Rule 112-A.)
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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



### HUMBLE OIL AND BEFINING COMPANY NEW MEXICO STATE "S" IMASE

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### 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 Bluitt-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 Numble 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 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,

RIM TO ULL & REFINING COMPANY

R. R. Alm District Suddendent

DFL/akf
ec: N. M. G. C. C., Hobbs, New Mexico
Mr. W. H. Dick, Jr., Mcuston, Texas
Mr. R. R. McCarty, Midland, Texas

Attachments

#### SANYA PE, NOOMEDIGO

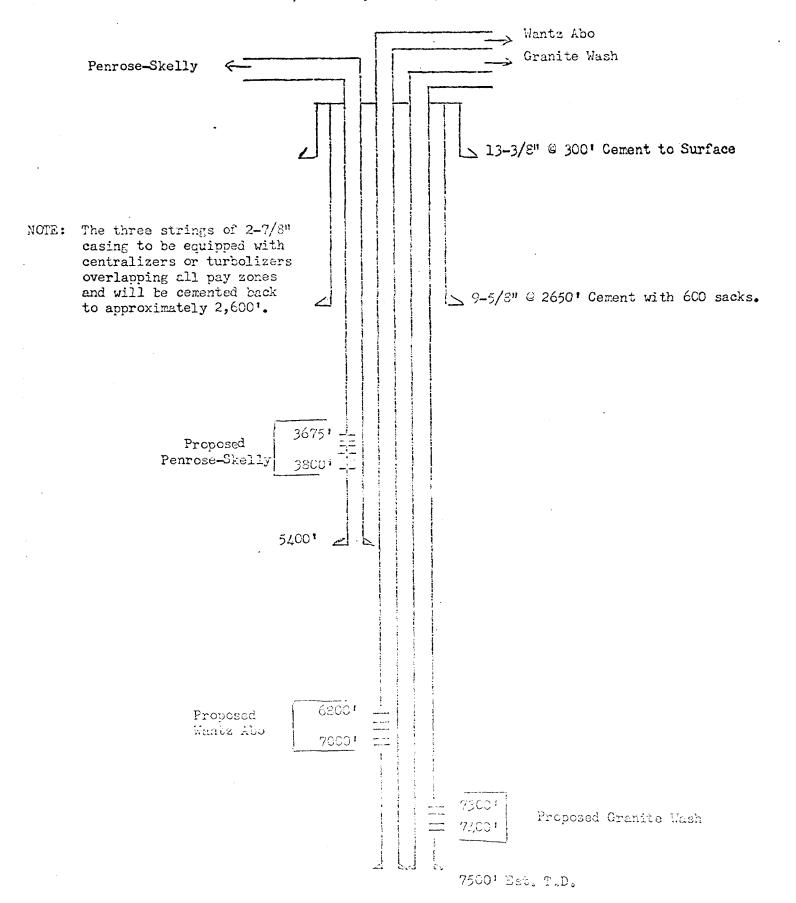
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#### HUMBLE OIL & REFINING COMPANY

#### MEW MEXICO STATE S - 25

#### Proposed Triple Tubingless Completion



## NEW ARKIOO STATE "S" IIIYSE .

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RECEIPT FOR CERTIFIED MAIL-206 6-1963

CAUTION-NOT FOR INTERNATIONAL MAIL

POSTMARK OR DATE

(See other side)

Sunray-MidCont. Dil Co

N.M.

FEES ADDITIONAL TO 20¢ FEE

Box

POD Form 3800 June 1962

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(See other side)

1. Stick postage stamps to your article to paye
20¢ certified mail fee
First-class or airmail postage
Either return receipt fee—10¢ or 35¢ (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 elle of the acticle, catach and retain the secept, and mail the stricke.

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. Enderse front of article RETURN RECEIPT REQUESTED.

Summer ends. Emerse ment of artife for the red research in 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:192-O-645149

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First class of the season o Either return receipt free—10p or 35p (control)

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10—7186-6 \*\* GPO: 100-0-68160\*\*

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#### Humble Oil & Refining Company HUMBLE DIVISION

Hobbs; New Mexico
June 18, 1963 - All 10

Cities Service Cil Company Box 97 Hobbs, New Mexico

Gulf Oil Corporation Box 2167 Hobbs, New Mexico

Marathon Oil Company Box 2107 Hobbs, New Mexico

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

Sinclair Oil and Gas Company 520 East Broadway 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 "S" No. 25, Penrose Skelly Oil, Wantz Abo Oil, Granite Wash Cil, Unit "N", 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 envelops is enclosed.

Very truly yours,

HUMBLE OIL & REFINING COMPANY

R. R. Alworth

District Superintendent

R.R. alwrick

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	ľ		
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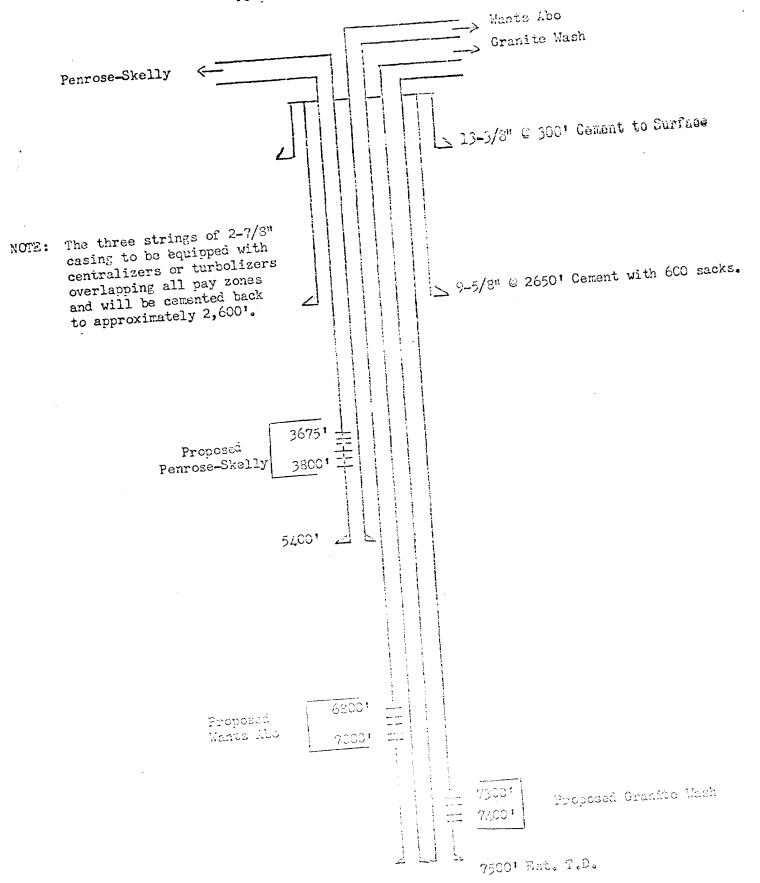
APPLICATION FOR MULTIPLE COMPLETION

		Mar Marrieo State "S	a WELLING	्राप्त ा <b>10</b>
Box 2347, Hobbs, New Mexic	erion :	Maria Mis		~ /
oi Well	2	DTS 278		1-37-2
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same zones within one mile of the suit. It answer is yes, identify one such ins	oject well? YES X	XO		
l. It answer is yes, identify one such ins	tance: Order No. 243	3 A; Operator, Lease, and		
Humble Oil & Ref. Co.; Me	y Maxico State S	/2/ for triple tubingl	ess comp	oletion; Granite Wa
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c. Type of production (Oil or Gas)	The same of the sa	Yall Call		011
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### HUMBER OIL & REFIRED COMMEN

MEM MEMICO STATE 5 - 25

Proposed Triple Tubingless Completion



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#### OIL CONSERVATION COMMISSION

BGX 2045

#### HOBBS, NEW MEXICO

	DATE June 21, 1963
OIL CONSERVATION COMMISSION	Re: Proposed NSP
BOX 871 BANTA FE, NEW MEX!CO	Proposed NSL
	Proposed NFO
	Proposed DC
Sentlemen:	Triple X
I have examined the application dated	6/20/63
or the Mumble 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:	
0.K. for both engineer & geologist	tJ.D.R
Yours was	ev truly

Yours very truly,

OTL CONSERVATION COMMISSION

100 CON 100 CON A CON

PLACE Midlend, Texas

DATE June 25, 1963

The undersigned being an authorized representative of the offset operator has been duly informed by Humble Cil and Medining Company of their intention to triple complete the New Mexico State "5" No. 25 as a Penrose-Skelly Oil, Wantz Abo Oil and Granite Wash Cil products 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 Cil, and Granite Wash producer.

SINCLAIR OIL & GAS COMPANY

NAME OF COMPANY

July REP

Noble F. Gulledge Assistant Division Production Superintendent

#### HAR MEXICA OUT COREST MATHOR COMMUNICATION

#### smith 81, missiemica

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e. Type of production (Oil or Gas)	0.01				011		
d. Method of Production	Plaw		71c:	į	Fiou		
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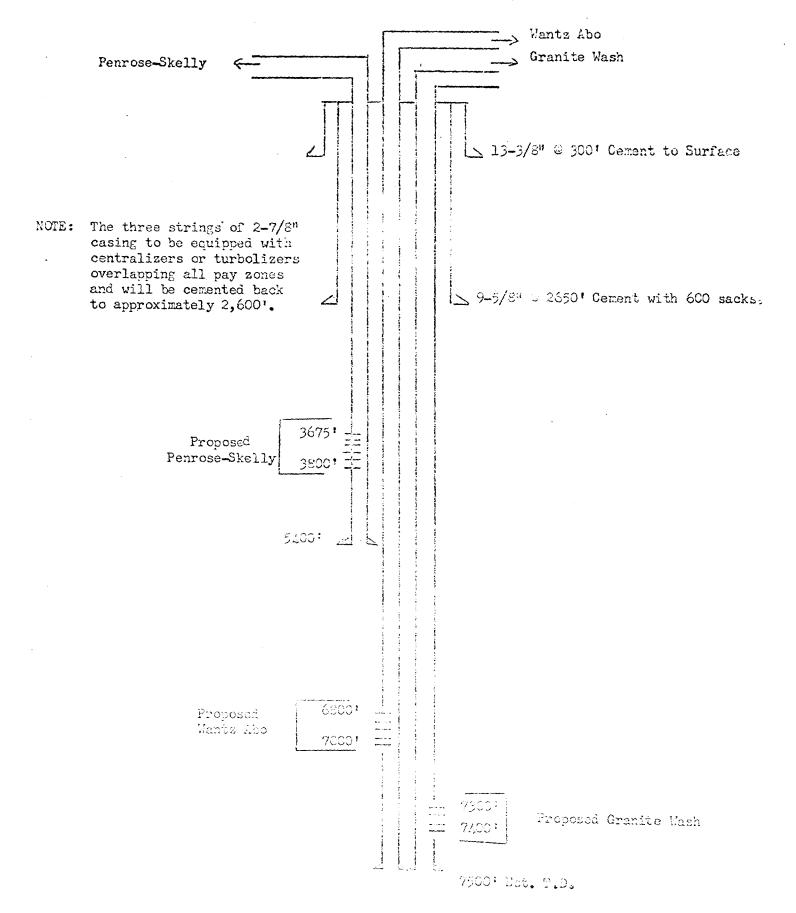
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To

#### HUMBLE OIL & REFINING COMPANY

#### NEW MEXICO STATE S - 25

#### Proposed Triple Tubingless Completion



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PLACE Moderal Tela.
DATE 6-25-63

The undersigned being an authorised representative of the offset operator has been duly informed by Humble Oil and Refining Company of their intention to triple complete the New Moxico State "S" No. 25 as a Penrose-Skelly Oil, Wantz Abo Oil and Granite Mash Cil producer located in the U", Section 2, Township 22 South, Range 37 Bast, Law County, New Maxico, and hereby waives all objections to triple completing said well as a Penrose-Wally Oil, Wantz Abo Oil, and Granite Wash producer.

Marshon at G

REPRESENTATIVE OF COLPANY

PLICE HOBBS, N.M.

DATE JUNE 21, 1963

The undersigned being an authorized representative of the offset operator has been duly informed by Humble Cil and Refining Company of their intention to triple complete the New Maxico Super Mark No. 25 as a Penrose-Skelly Cil, Wantz Abo Oil and Granite Mash Cil published Legated in Unit "N", Section 2, Township 22 South, Range 37 Mast, Low Soundy, New Maxico, and hereby waives all objections to triple completing said well as a Penrose-Skelly Cil, Wantz Abo Cil, and Granite Wash producer.

Cities Service Oil 6 -

REPRESENTATIVE OF CONPLAY

DIO. Bugs

PLACE Hobbs, New Mexico St. 1963

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

Gulf Oil orporation

PNP AUSON CONTRACTOR

PLACE Milland Jefox
DATE 7/5/63

The undersigned being an authorized representative of the offset operator has been duly informed by Humble Cil and Rafining Company of their intention to triple complete the New Maxico State "S" No. 25 as a Penrose-Skelly Oil, Mantz Abo Oil and Granito Wash Oil product located in Unit "N", Section 2, Township 22 South, Range 37 Dast, 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.

Solio Retroleum Co

A CONTRACTOR OF CONTRACTOR

Case 2878

Leard 8-7-63.

Rec. 8-16-63

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for their M. Mer St. "5" #25 unit w2-225-37E. To be completed as a

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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- 2555

APPLICATION OF HUMBLE CIL & 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 day of <u>August</u>, 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 THE REFORE 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

(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.

#### GCVERNOR JACK M. CAMPBELL CHAIRMAN

#### State of New Mexico

#### **Bil Conserbation Commission**

LAND COMMISSIONER
C. B. JOHNNY WALKER
MEMBER



STATE SECLOSIST A. L. PORTER, JR. SEGRETARY - 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 Sire

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

A. L. PORTER, Jr.

Secretary-Director

LE/					
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#### BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL COMSERVATION COMMISSION OF HEW 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

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#### IT IS THEREFORE ORDERED:

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-2-CASE No. 2878 Order No. R-2555

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PROVIDED FURTHER, That the applicant shall take zone segregation tests upon complition 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.

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

STATE OF NEW MEXICO OIL COMSERVATION COMMISSION

ACK M. CAMPBELL Chairman

E. S. WALKER, Member

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

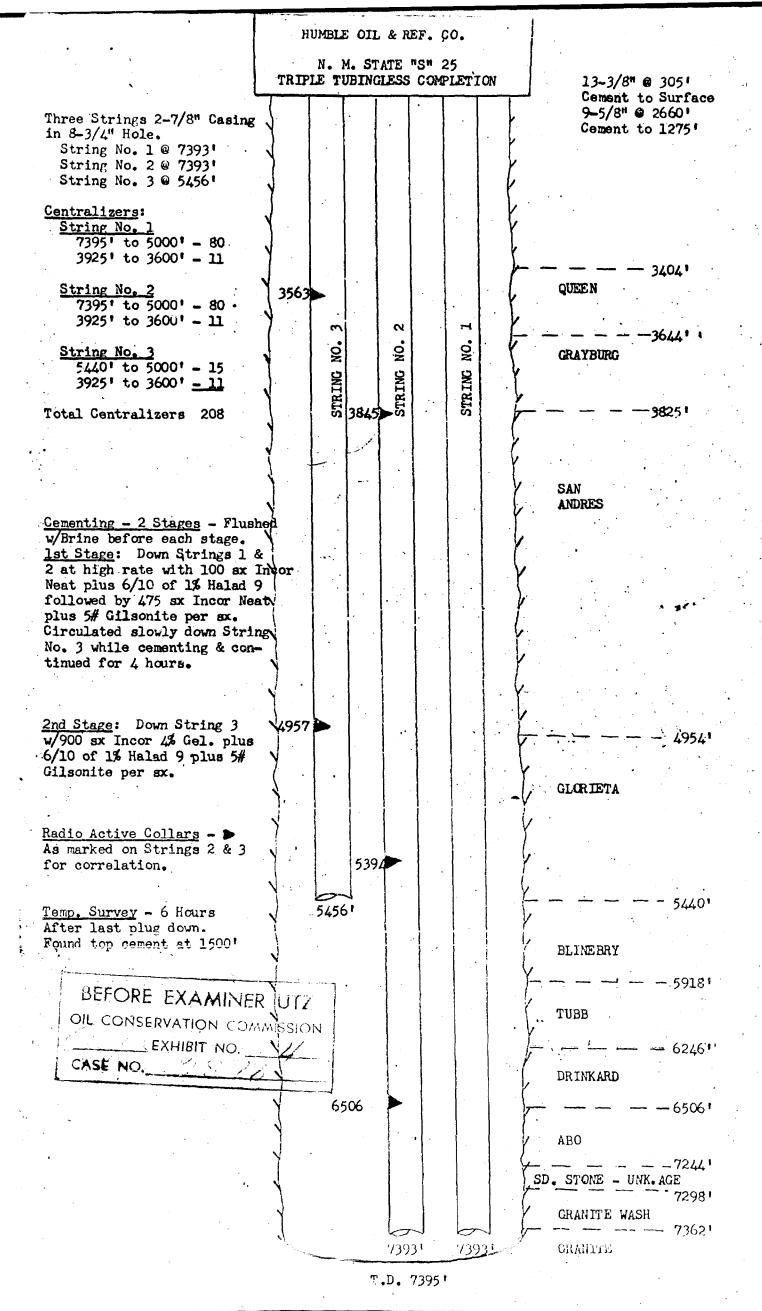
#### H MEXICO OIL CONSERVATION COM SSION

#### SANTA FE, NEW MEXICO

### APPLICATION FOR MULTIPLE COMPLETION

HUNDLE OIL & REFINING COM	ФЛИУ	County Lea	D <sub>a</sub>	June 18, 1	963
Address Box 2347, Hobbs, New Mexi	co	New Mexico		25 25	
	Section 2	Township T-22-S	Re	R-37-E	
1. Has the New Mexico Oil Conservation same zones within one mile of the state of t	ubject woll? YES X	NO	tor, Lease, and Vell	No.t	anite Was
3. The following facts are submitted:	Upper	I	ntermediate Zona	Lower Zone	
a. Name of Pool and Formation	Penrose-Skelly	Want	z Abo	Granite Wa	sh Undes
5. Top and Bottom of Pay Section	3675 - 3800 € 6		- 7000 EST	7300 - 7	7400 <i>&amp;\$T</i> .
(Perforations)	Oil			Oil	
d. Method of Production  d. Method of Production	Flow		Low	Flow	
(Flowing or Artificial Bift) 4. The following are attached. (Please				<del></del>	· · · · · · · · · · · · · · · · · · ·
have been furnished copi- No d. Electrical log of the well be filed thereon. (If such log is no 5. List all offset operators to the lease Cities Service Oil Com	or other acceptable log wit t evailable at the time appli on which this well is locat	eation is filed, it al	is all be submitted as	provided by Rule 112	
Gulf Oil Corporation F	Box 2167, Hobbs, No	ew Mexico	· · · · · · · · · · · · · · · · · · ·		
Marathon Oil Company,	Box 2107, Hobbs,	New Mexico			-
Schio Oil Company, 970	First National O	ffice Buildin	g, Cklahoma C	City 2, Oklahom	ìa.
Sinclair Oil & Gas Con	mpany, 520 East Br	oadway, Hobbs	, Naw Mexico		
Sunray-Mid Continent (	Oil Company, Box 1	28, Hobbs, Ne	w Maxico		
6. Were all operators listed in Item 5 about 10 such actification	the same of the sa			O If sacyer is	yes, give dat
CERTIFICATE: 1, the undersigned,	state that I am the AS	ent	and the second s	CR & LIO ELEMUN	
under my sunervision and direction and t		ate true, corress an	d complete to the ho	est of my knowledge.	was prepared
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<ul> <li>Should waivers from all offset of Commission will hold the applic</li> </ul>					
	ration for a period of twenty protest not request for hear tron will result in an unorth	(20) days from date ring is received by t odox well location a	of receipt by the C he Santa Fe office, ind/or a non-standar	omnission's Santa Fe the application will th rd proration unit in citi	affice. If, nen be process her or both af
Commission will hold the applic after said twenty-day period, no NOTE: If the proposed multiple comple	ration for a period of twenty protest not request for hear tron will result in an unorth	(20) days from date ring is received by t odox well location a	of receipt by the C he Santa Fe office, ind/or a non-standar	omnission's Santa Fe the application will th rd proration unit in citi	affice. If, nen be process her or both af

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

#### EXAMINER HEARING

IN THE MATTER OF:

Application of Humble Oil & Refining Company for a triple completion, Lea County, New Mexico. Applicant, in the abovestyled 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.

ELUTA PE, H. B.

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325-1182

DEARNLEY-MEIER REPORTING SERVICE,

# DEARNLEY-MEIER REPORTING SERVICE, Inc.

SANTA FE, N. M. PHONE 983-3971 BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
August 7, 1963

#### EXAMINER HEARING

IN THE MATTER OF:

Application of Humble Oil & Refining Company for a triple completion, Lea County, New Mexico. Applicant, in the abovestyled 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 2878

BEFORE: Elvis A. Utz, Examiner.

#### TRANSCRIPT OF HEARING

MR. UTZ: Case 2878.

MR. DURRETT: Application of Humble Oil & Refining Company for a triple completion, Lea Gounty, New Mexico.

Applicant. We have one and possibly two witnesses sworn.

(Witnesses sworm.)

(Whoroupon, Applicant's Skhibits Hos. 1 through h were marked for identification.)



DEAKNEEY-,

#### WILLIAM S. DAVIS

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

#### DIRECT EXAMINATION

#### BI MR. BRATTON:

- Will you state your name, by whom you are employed, Q and in what capacity?
- William S. Davis, supervising engineer, Humble Oil & A Refining Company, Midland.
  - Have you previously testified before this Commission? Q
  - Yes, sir. A
- Are you familiar with the matters contained in this Q application and the matters under consideration here?
  - Yes, sir. A
- MR. BRATTON: Are the witness's qualifications acceptable?
  - MR. UTZ: Yes, sir, they arc.
  - What does Humble scak in this application? ্ব
- We tro cooking permission for pultiple completion to permit a criple completion in the Penrose-Skelly, Wantz Aud and on undesignated Granite Wash. I might mention for the Cormission is reference, I believe the underigneous diamite Wash will be on the August 14 stabovide nomenclature case as Wantz Granite Wash, bus



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?

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 5-24 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.

- Your mechanics of completion are the same?
- Yes.
- Q It's just you are adding --

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?

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

is Exhibit No. 2 your application for melviple compleition, what does it reflect?



It shows the three completions, the fact that the off-A 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.

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

No, so the last that we would have to offer would be A 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?

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

Turn then to your Exhibit No. 3.

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.

2 What does it reflect, Mr. Mavio?

It shows the took of the varieus formations as they occur in the well. This is very similar, as I say, to 5-24.

Are your tops on your log the some as in your application.



# DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M. PHONE 325-1182

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

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

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

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.

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

1 know of none.

whis would be exactly the sees mechanical completion as in the offect except you are submitteeden the terroco-Skelly, is that in the Grayburg here?

Yes, in this cause that toye the appear completion is the



# DEARNLEY-MEIER REPORTING SERVICE, Inc. RANTA PE. N. W.

Drinkard.

- 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?
- 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?
- Well, the zones are recognized as separate pools. I A have nothing else to add.
- Were Exhibits 1 through 4 prepared by you or under your supervision?
  - 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.)

IR. BRATTOFF We have nothing further at this time.

#### CROSS EXAMINATION

BY MR. UW.

We dayle, to the dearcose-Skelly a mildeat in this areas



# DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M. PHONE 325-1162

No. sir. There is Penrose-Skelly on Exhibit 1. I A 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.

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

- No, I do not, Mr. Examiner. A
- Gas-oil ratio?
- I do not.
- Q How about the Wantz Abo, do you have any information on that from your other well?
  - The fluid characteristics? A
  - Q The gas-oil ratio, the pressure.
- We are currently making a pressure buildup test on that well in 3-24, which is still being experimented with. I do not have the details of that at this time. In fact, we are ronning 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

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

In regard to the centralizers and turbulizers, are you

Well, let's see, looking at string No. 1, it would A 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.

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

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.

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

Yes, that's by resperature ourway.

Now, beisseen one option of the surface casing and the top of the cement on 9-5/8ths you have open hole behind the



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 erea?

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 bohind the casing?

A I don't bolieve is 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 Rose, if I recall this area. This we so as an exceptional complation for this area, I might add, to my knowledge.



# FARRINGTON, N. M. PHONE 325-1182 DEARNLEY-MEIER REPORTING SERVICE, Inc. SANTA FE, N. M. PHONE 963-3971

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.

ALBUQUERQUE, N. M. PHONE 243-6691



## FARMINGTON, N. M. PHONE 325.1182 DEARNLEY-MEIER REPORTING SERVICE, Inc. SANTA FE, N. M. PHONE 983-3971

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.

My commission expires: June 19, 1967.

> I do hereby certify that the foregoing is a compate record of the proceedings in the parine hearing of case no. 2878, heard or as on Cluy 7, 1962.

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