

CASE 2736: Application of HUMBLE  
OIL & RFG. CO. for a triple comple-  
tion of State "S" Well No. 24.

Case 10.  
2756

Application, Transcript,  
and Exhibits, Etc.

DRAFT

JMD/esr  
2-22-63

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF NEW MEXICO FOR  
THE PURPOSE OF CONSIDERING:

*JSW*  
CASE No. 2756

Order No. R-5433

*JMS*  
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 February 21, 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 February, 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 State "S" Well No. 24, located in Unit J of Section 2, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico, as a triple completion (tubingless) to produce oil from the Blinebry and Drinkard Oil Pools and an undesignated Abo oil pool through parallel strings of 2 7/8-inch casing cemented in a common well bore.

(3) That the applicant proposes to perforate the Abo formation ~~at 6960 feet and~~ <sup>and</sup> ~~to perforate the Abo formation at~~ <sup>Subsequently upper portion of the</sup> ~~a lesser depth~~ <sup>the lower interval</sup> if production is not obtained at ~~6960 feet~~.

(4) That <sup>the</sup> mechanics of the proposed triple completion are feasible and in accord with good conservation practices.

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CASE No. 2756

(5) That approval of the subject application will neither cause waste nor impair correlative rights.

(6) That some uncertainty exists as to the proper designation of the common source of supply in the Abo formation <sup>upper portion of the</sup> above ~~6960 feet~~ in the subject area.

(7) That the applicant should not be assigned an allowable for any production obtained from the Abo formation <sup>that portion of</sup> ~~at a depth of 6960 feet~~ <sup>above the point</sup> ~~less than 6960 feet~~ <sup>depicted on the electric log of the Amerasia</sup> until the common source of supply for such production has been designated by the Commission after notice and hearing.

IT IS THEREFORE ORDERED:

(1) That the applicant, Humble Oil & Refining Company, is hereby authorized to complete its State "S" Well No. 24, located in Unit J of Section 2, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico, as a triple completion (tubingless) to produce oil from the Blinebry and Drinkard Oil Pools and an undesignated Abo oil pool through parallel strings of 2 7/8-inch casing cemented in a common well bore.

*Petroleum Corporation Here  
Well No. 24, located in Unit J, Section 33,  
Township 22 South, Range 37 East, Lea Co.*

PROVIDED HOWEVER, That the applicant shall not be assigned an allowance for any production obtained from that portion of the Abo formation above the point depicted at a depth of 6960 feet on the electric log of the Amerada Petroleum Corporation Nare Well No. 6, located in Unit L, Section 33, Township 21 South, Range 37 East, Lea County, New Mexico, until the proper common source of

supply for such production has been designated by the Commission after notice and hearing.

PROVIDED FURTHER, That the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A.

PROVIDED FURTHER, that the applicant shall take zone segregation tests upon completion and annually thereafter during the Gas-Oil Ratio Test Period for the Abo formation.

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

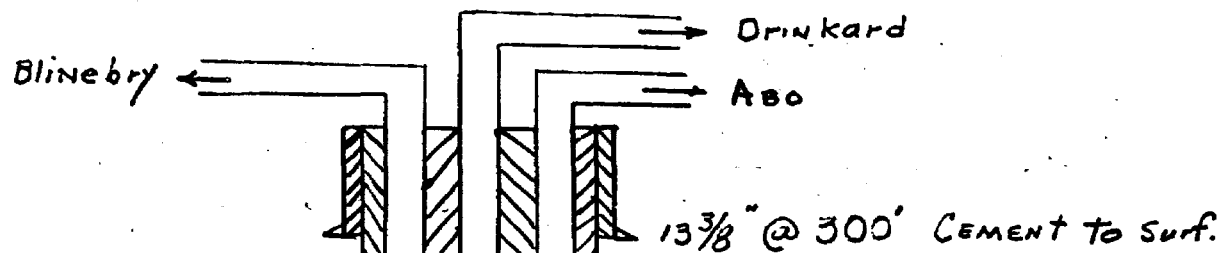
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

HUMBLE OIL & REFINING COMPANY

NEW MEXICO STATE S - 24

Proposed Triple Tubingless Completion

5



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 w/600 ST.

Proposed Blinebry [5100'  
5800'  
6200']

Proposed Drinkard [6400'  
6450'  
6600']

6900] Proposed ABO  
6950]

7150' EST. T.D.

Case 2756

Heard 2-21-63

Rec. 2-22-63

1. Grant Bumble permission to triple complete (Tubingless) their No. 1 well. It. S<sup>#2</sup> 4, units J. 2-225-37E
2. The Blinby Oil & the Dinkard Oil completion is in Designated Pool.
3. The Abo completion is in an area which is transitional as to nomenclature in that several Dinkard completions in the south part of the pool are completed in the upper part of the Abo. and the ~~Wagley~~ Wagley Abo completions are in the lower part of the Abo. The well in in between these areas but closest to the Wagley Abo.

Therefore, should applicant desire to perforate the Abo zone higher than the zone shown on the <sup>electrical</sup> log for the Amerasia-Hans #6 (their exhibit #4) at a depth of 6960 they shall not be assigned an allowable for this zone until a hearing is held to properly determine the pool in which the ~~ab~~ perforations are located.

4. The well shall be cased with a string of 27 1/2 casing run to each pay zone.

Thos. A. [Signature]

# NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

5-1-61

## APPLICATION FOR MULTIPLE COMPLETION

Operator <b>Humble Oil &amp; Refining Company</b>		County <b>Lea</b>	Date <b>January 25, 1963</b>
Address <b>Box 2347, Hobbs, New Mexico</b>		Lease <b>New Mexico State S</b>	Well No. <b>24</b>
Location of Well <b>J</b>	Unit <b>2</b>	Township <b>22 South</b>	Range <b>37 East</b>

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES ☐ NO ☒
2. If answer is yes, identify one such instance: Order No. \_\_\_\_\_; Operator, Lease, and Well No.:

**Field Wildcat - Completion intervals to be selected from logs and cores.**

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	<b>Blinbry</b>	<b>Drinkard</b>	<b>Abo</b>
b. Top and Bottom of Pay Section (Perforations)	<b>5700-5800' (Est.)</b>	<b>6400-6450' (Est.)</b>	<b>6900-6950' (Est.)</b>
c. Type of production (Oil or Gas)	<b>Oil</b>	<b>Oil</b>	<b>Oil</b>
d. Method of Production (Flowing or Artificial Lift)	<b>Flow</b>	<b>Flow</b>	<b>Flow</b>

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 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

Schio 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 1-25-63

CERTIFICATE: I, the undersigned, state that I am the Agent of the Humble Oil and 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]*  
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.

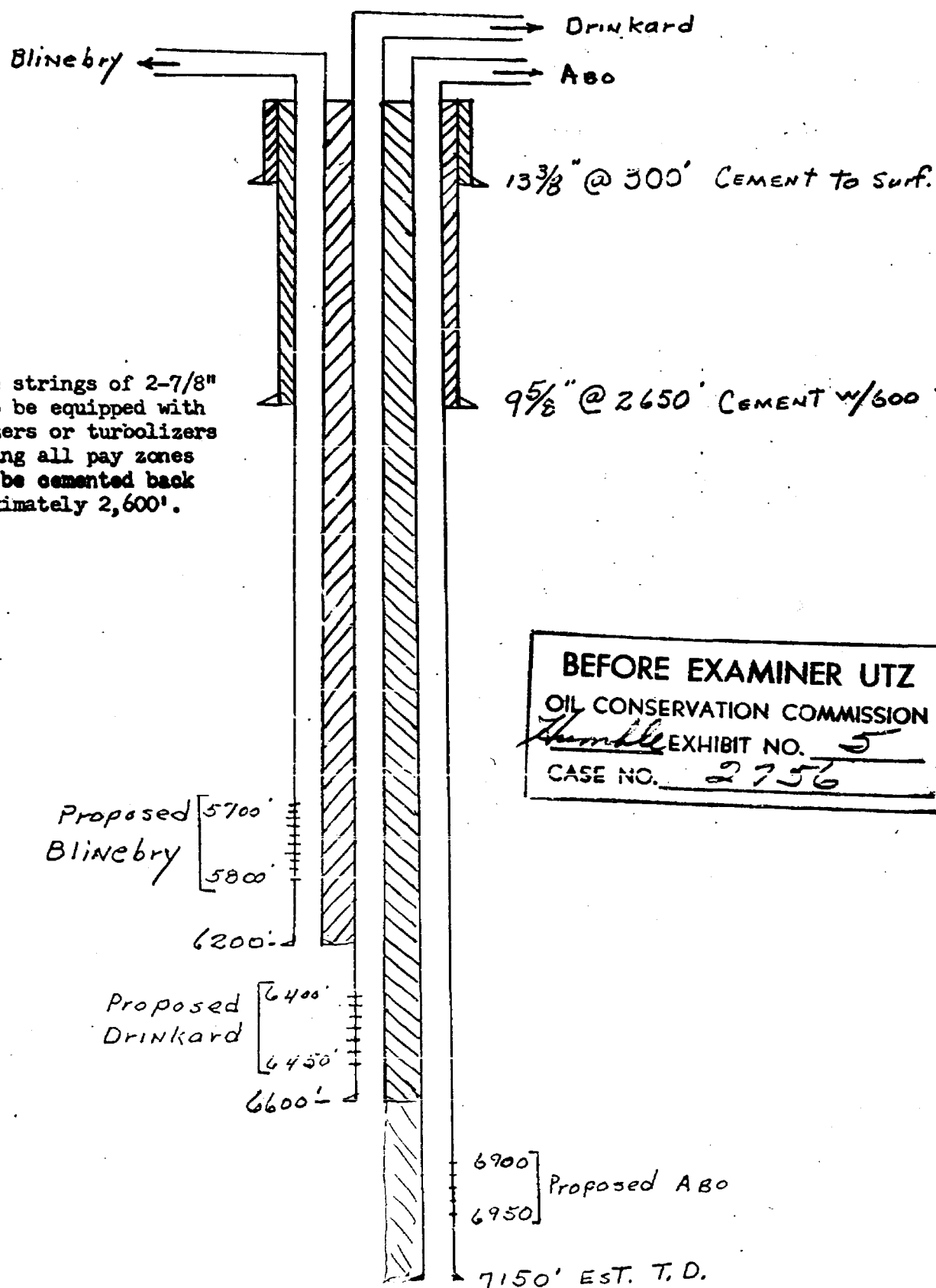
mlh



HUMBLE OIL & REFINING COMPANY

NEW MEXICO STATE S - 24

Proposed Triple Tubingless Completion



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'.

BEFORE EXAMINER UTZ	
OIL CONSERVATION COMMISSION	
<i>Thumbl</i>	EXHIBIT NO. <u>5</u>
CASE NO.	<u>2756</u>

Proposed Blinebry  
5700'  
5800'  
6200'

Proposed Drinkard  
6400'  
6450'  
6600'

6900'  
6950'  
Proposed Abo  
7150' Est. T.D.

## NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

5-1-61

## APPLICATION FOR MULTIPLE COMPLETION

Operator Humble Oil & Refining Company		County Lea		Date January 25, 1963
Address Box 2347, Hobbs, New Mexico		Lease New Mexico State 5		Well No. 24
Location of Well	Unit J	Section 2	Township 22 South	Range 37 East

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES \_\_\_\_\_ NO X
2. If answer is yes, identify one such instance: Order No. \_\_\_\_\_; Operator, Lease, and Well No.:

Field Wildcat - Completion intervals to be selected from logs and cores.

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Hlinebry	Drinkard	Abo
b. Top and Bottom of Pay Section (Perforations)	5700-5800' (Est.)	6400-6450' (Est.)	6900-6950' (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 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	BEFORE EXAMINER UTZ
Gulf Oil Corporation, Box 2167, Hobbs, New Mexico	OIL CONSERVATION COMMISSION
Marathon Oil Company, Box 2107, Hobbs, New Mexico	EXHIBIT NO. 1
Sohio Oil Company, 970 First National Office Building, Oklahoma City 2, Oklahoma	CASE NO. 2756
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 X NO \_\_\_\_ . If answer is yes, give date of such notification 1-25-63

CERTIFICATE: I, the undersigned, state that I am the Agent of the Humble Oil and 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]*  
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.

mlh

**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. 2756  
Order No. R-2433**

**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 February 21, 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 27th day of February, 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 State "S" Well No. 24, located in Unit J of Section 2, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico, as a triple completion (tubingless) to produce oil from the Blinberry and Drinkard Oil Pools and an undesignated Abo oil pool through parallel strings of 2 7/8-inch casing cemented in a common well bore.

(3) That the applicant proposes to perforate the lower portion of the Abo formation and subsequently to perforate the upper portion of the Abo formation if production is not obtained at the lower interval.

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

(5) That approval of the subject application will neither cause waste nor impair correlative rights.

(6) That some uncertainty exists as to the proper designation of the common source of supply in the upper portion of the Abo formation in the subject area.

-2-  
CASE No. 2756  
Order No. R-2433

(7) That the applicant should not be assigned an allowable for any production obtained from that portion of the Abo formation above the point depicted at a depth of 6960 feet on the electric log of the Amerada Petroleum Corporation Hare Well No. 6, located in Unit L, Section 33, Township 21 South, Range 37 East, NMPN, Lea County, New Mexico, until the proper common source of supply for such production has been designated by the Commission after notice and hearing.

IT IS THEREFORE ORDERED:

(1) That the applicant, Humble Oil & Refining Company, is hereby authorized to complete its State "S" Well No. 24, located in Unit J of Section 2, Township 22 South, Range 37 East, NMPN, Lea County, New Mexico, as a triple completion (tubingless) to produce oil from the Blinberry and Drinkard Oil Pools and an undesignated Abo oil pool through parallel strings of 2 7/8-inch casing cemented in a common well bore.

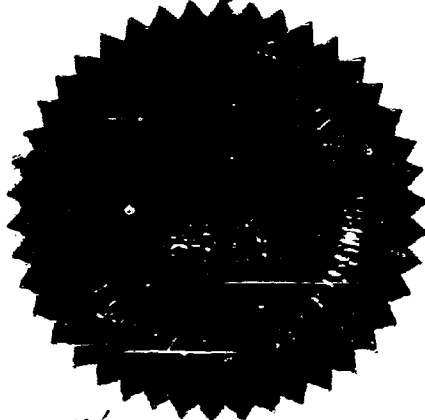
PROVIDED HOWEVER, That the applicant shall not be assigned an allowable for any production obtained from that portion of the Abo formation above the point depicted at a depth of 6960 feet on the electric log of the Amerada Petroleum Corporation Hare Well No. 6, located in Unit L, Section 33, Township 21 South, Range 37 East, NMPN, Lea County, New Mexico, until the proper common source of supply for such production has been designated by the Commission after notice and hearing.

PROVIDED FURTHER, That the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A.

PROVIDED FURTHER, That the applicant shall take zone segregation tests upon completion and annually thereafter during the Gas-Oil Ratio Test Period for the Abo formation.

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

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



STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

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

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

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

GOVERNOR  
JACK M. CAMPBELL  
CHAIRMAN

State of New Mexico  
**Oil Conservation Commission**



LAND COMMISSIONER  
E. S. JOHNNY WALKER  
MEMBER

P. O. BOX 871  
SANTA FE

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

February 27, 1963

Mr. Howard Bratton  
Harvey, Dow & Hinkle  
Attorneys at Law  
Box 10  
Roswell, New Mexico

Re: Case No. 2756 & 2765  
Order No. R-2433 & 2-2436  
Applicant:  
Humble Oil & Refining Company  
Perry 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. L. Porter, Jr.*

A. L. PORTER, Jr.  
Secretary-Director

ir/

Carbon copy of order also sent to:

Hobbs OCC   x  

Artesia OCC           

Aztec OCC           

OTHER            Mr. Jason Kellahin (Case 2756)

FORM 4-108

MAIN OFFICE OCC

63 FEB 13 PM 1:29

# HUMBLE OIL & REFINING COMPANY

HUMBLE DIVISION

Hobbs, New Mexico

January 25, 1963

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 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. 24, Blinbry Oil, Drinkard Oil, Wichita Oil, Unit J, 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.

Yours very truly,

HUMBLE OIL & REFINING COMPANY

*R. R. Alworth*  
R. R. Alworth

ERB/mlh

Attachments

PLACE Midland Texas  
DATE 2-11-63

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. 24 as a Blinebry Oil, Drinkard Oil, Wichita Oil producer located in Unit J, Section 2, Township 22 South, Range 37 East, Lea County, New Mexico, and hereby waives all objections to triple completion on said well as a Blinebry Oil, Drinkard Oil, Wichita Oil producer.

Marathon Oil Co  
NAME OF COMPANY

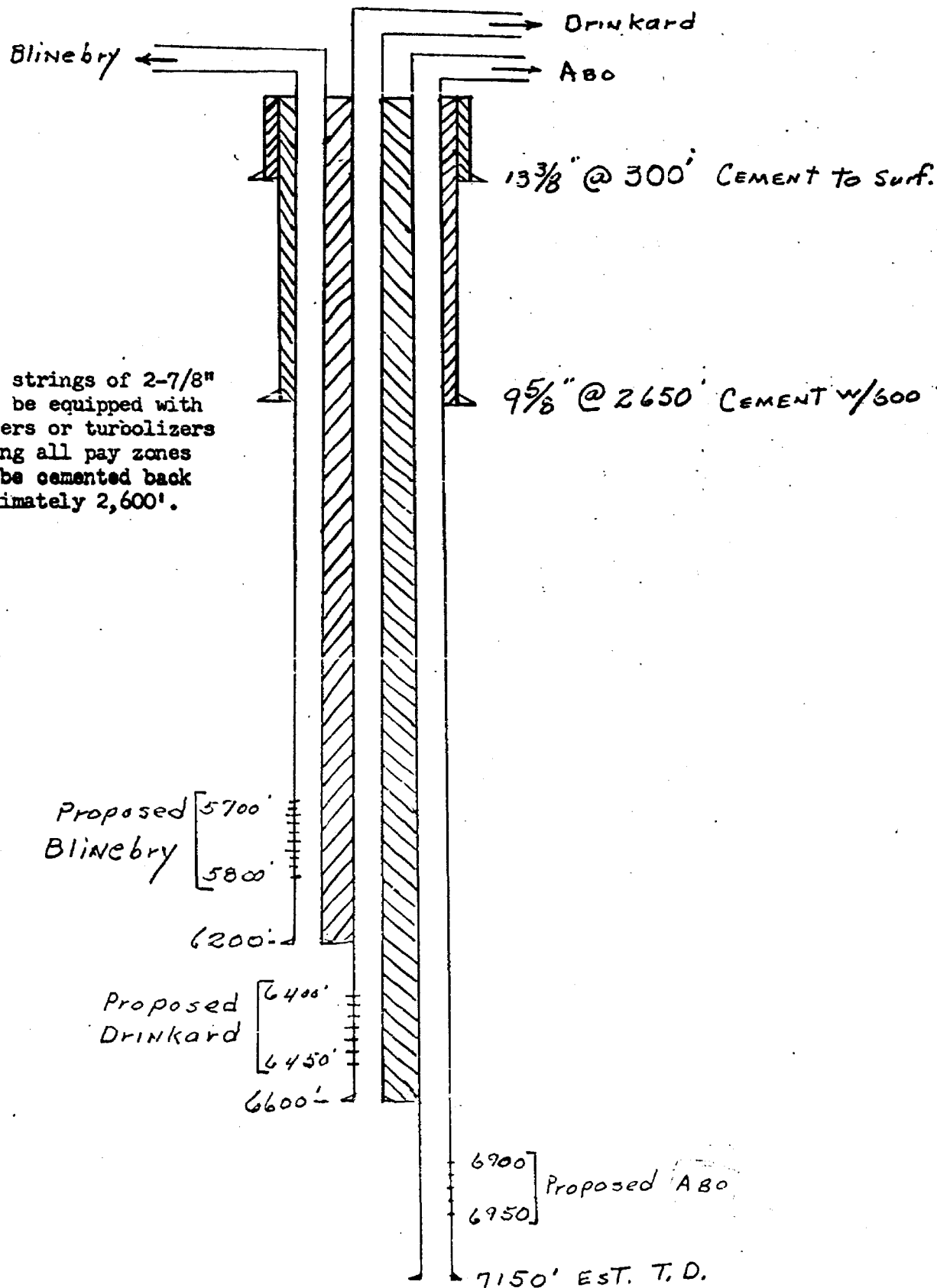
Carl S. Smith  
Representative of Company

HUMBLE OIL & REFINING COMPANY

NEW MEXICO STATE S - 24

Proposed Triple Tubingless Completion

(5)



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'.

Proposed Blinebry  
5700'  
5800'  
6200'

Proposed Drinkard  
6400'  
6450'  
6600'

6900'  
6950'  
Proposed Abo  
7150' EST. T.D.



## NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

5-1-61

## APPLICATION FOR MULTIPLE COMPLETION

Operator <b>Humble Oil &amp; Refining Company</b>		County <b>Lea</b>	Date <b>January 25, 1963</b>
Address <b>Box 2347, Hobbs, New Mexico</b>		Lease <b>New Mexico State S</b>	Well No. <b>24</b>
Location of Well <b>J</b>	Unit <b>J</b>	Section <b>2</b>	Township <b>22 South</b>
		Range <b>37 East</b>	

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES \_\_\_\_\_ NO X
2. If answer is yes, identify one such instance: Order No. \_\_\_\_\_; Operator, Lease, and Well No.:

Field Wildcat - Completion intervals to be selected from logs and cores.

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	<b>Blinberry</b>	<b>Drinkard</b>	<b>Abo</b>
b. Top and Bottom of Pay Section (Perforations)	<b>5700-5800' (Est.)</b>	<b>6400-6450' (Est.)</b>	<b>6900-6950' (Est.)</b>
c. Type of production (Oil or Gas)	<b>Oil</b>	<b>Oil</b>	<b>Oil</b>
d. Method of Production (Flowing or Artificial Lift)	<b>Flow</b>	<b>Flow</b>	<b>Flow</b>

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 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 &amp; 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 X NO \_\_\_\_ . If answer is yes, give date of such notification 1-25-63

CERTIFICATE: I, the undersigned, state that I am the Agent of the Humble Oil and 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]*  
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.

mlh

BEFORE THE  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
February 21, 1963

## EXAMINER HEARING

-----  
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 its State "S" Well )  
No. 24, located in Unit J, Section 2, )  
Township 22 South, Range 37 East, Lea )  
County, New Mexico, as a triple completion )  
(tubingless), to produce oil from the )  
Blinebry and Drinkard Pools and from a )  
third zone, either lower Drinkard or Abo, )  
through parallel strings of 2 7/8-inch )  
casing cemented in a common well bore. )

Case 2756

-----  
BEFORE: Elvis A. Utz, Examiner.

TRANSCRIPT OF HEARING

MR. UTZ: Case 2756.

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

MR. BRATTON: Howard Bratton, appearing on behalf of  
the applicant. I have one witness.

(Witness sworn.)

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

MR. KELLAHIN: Jason Kellahin, Kellahin & Fox, appear-  
ing for Continental Oil Company and Amerada Petroleum Corporation.

DEARNLEY-MEIER REPORTING SERVICE, Inc.

SANTA FE, N. M.  
PHONE 325-1192

SANTA FE, N. M.  
PHONE 983-3971

ALBUQUERQUE, N. M.  
PHONE 243-6691



MR. UTZ: Are there other appearances? You may proceed.

MR. BRATTON: If the Examiner please, I would like to state at the beginning, the application states that this is a triple completion from the Blinbry, Drinkard and from a third zone, either the lower Drinkard or Abo. Actually the application for the third zone is for the Abo. It is not for the lower Drinkard. This is not an application to have a dual completion in one pool or one formation. This is an application for a triple completion in three different formations.

MR. UTZ: Parts of your application that I have read call your lower completion the Wichita.

MR. BRATTON: I believe, as I understand it, Mr. Examiner, that's a terminology that's used over in West Texas. But we can get into that further. If it could be construed as being a further completion within the Drinkard, it certainly is not our intention.

MR. NUTTER: For the purpose of clarification of the record, I would like to state when the application was received we were in somewhat of a dilemma to define it as lower Drinkard or Abo due to the nomenclature that had been used on the application. We, therefore, left the zone's actual identification up in the air purposely on the advertisement.

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MR. BRATTON: We appreciate that and I wanted to clarify what our intention was, if it was not clear on the application.

MR. UTZ: All right, you may proceed.

JAMES WHITTON

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

DIRECT EXAMINATION

BY MR. BRATTON:

Q State your name, by whom you are employed and what capacity.

A James Whitton. I am employed by Humble Oil and Refining as a geologist.

Q Have you previously testified before this Commission?

A No, sir, I have not.

Q State briefly your professional and educational background.

A I graduated with a B.S. degree in geology from the University of Texas in 1956. Immediately thereafter I was employed by Humble Oil and Refining Company, located in Midland, Texas. I have worked for the company, Humble Company since 1956, the last three and a half years in Hobbs, New Mexico as production geologist.

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Q Are you familiar with the area and the subject well in question?

A Yes.

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

MR. UTZ: Yes, sir, they are.

Q Will you turn, please to Exhibit No. 1, which is the application for multiple completion?

A Yes.

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

Q Is that the application under consideration in this case?

A Yes.

Q Your intended triple completion, as reflected there in 3-B, are what zones and what footage?

A The Blinbry zone, Blinbry oil zone, from 5700 to 5800. These are all approximate depths, of course. The Drinkard zone from 6400 to 6450, and the Abe zone from 6900 to 6950.

Q Those are all anticipated to be oil?

A Yes.

Q And the location of the well is shown on that application, is that correct?



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A It is correct.

Q Turn to your Exhibit No. 2, does that show the location of the subject well and the outlines of the Drinkard and Wantz Abo Pools?

A Yes.

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

Q As reflected on Exhibit No. 2, the subject well in question is in the Drinkard Pool?

A Yes.

Q And is Southeast of the present delineation of the Wantz Abo Pool, is that correct?

A Yes.

Q And the Wantz Abo Pool and the Drinkard Pool are co-extensive in certain areas?

A Yes.

Q You anticipate or hope to obtain Drinkard production and Abo production in this well, is that correct?

A Yes.

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

Q Turn to Exhibit No. 3, if you will, please.

A Yes.



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Q Will you explain what that exhibit reflects?

A Since this is a triple, I have noted in the color code green the Blinebry oil wells. You will note also a code for Drinkard wells and Wantz Abo wells, and particularly note that in several cases on this map there are completions on the same 40-acre tract in the Drinkard and Wantz Abo. The area outlined in red is an area of investigation which I made to determine if there were any completions in the Abo formation, and I have found none.

I might say this, too, in the course of this study I have only found four Drinkard wells which actually went into the Abo deep enough to complete in the Abo. Now, many of the Drinkard wells went into the Abo approximately 10, 15 feet, but they all stopped with the exception of these four.

Q In Section 33, I believe there are reflected four or five locations where they have obtained both Drinkard and Wantz Abo production, and they have dual production or dual completions in those areas, is that correct?

A That is correct.

Q Then your code green are your Blinebry wells?

A Blinebry oil wells, yes, sir.

Q You hope to obtain Blinebry, Drinkard and Abo production in this well, is that correct?



A That is correct.

Q And if you do you would like to triple complete, and that's the purpose of this application?

A That's correct.

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

Q Turn to Exhibit No. 4, if you would, please.

A Yes.

Q Refer first to your map down at the bottom. Does that indicate in yellow the location, the section of the subject well?

A It does the same as it is on the other maps.

Q Would you explain what your two logs, the purpose of them and their relative locations with respect to this well?

A The purpose of the cross section, this is a very basic cross section, I don't intend to show any structural conformance other than the structural relationship between these two wells. I do want to show the fact, though, that we wish to complete in the Abo section, possibly the same interval, or maybe even a little higher in the Abo section than this Amerada No. 6 on the left, Amerada No. 6 Marc. As I say, this is a very basic cross section and I just want to show the fact that the Abo is present there and if we are fortunate to obtain production in this

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formation we will try to complete it.

Q Your two logs, your Amerada No. 6, that shows the Abo formation, oh, two and a half miles to the West, Northwest of the subject well?

A Yes, sir.

Q And the log on the Mid-Continent No. 4, I guess, it is?

A No. 4 Lynch.

Q That is located approximately half a mile to the East?

A That is correct. It is the closest, deepest well we have to the Abo.

Q And it reflects the Abo formation as being formation in that well, is that correct?

A Yes, sir.

Q And you hope to obtain the Abo in the subsequent well, and if so, to complete in it?

A Yes.

(Whereupon, Applicant's Exhibit No. 5 was marked for identification.)

Q Turn to your Exhibit No. 5. Is this a schematic drawing of your proposed completion?

A Yes.

Q Would you explain what it reflects?

A This reflects the bore hole that we will cement three



strings, separate strings of 2-7/8 tubing. This will serve as casing in the hole and complete from each zone.

Q It reflects your cementing program and your anticipated depths and hoped for completions, is that correct?

A Hoped for completions. The designated intervals, estimated intervals since we have no log on the well as yet.

Q Is there anything unusual about this proposed method of completion? Has this method been approved by this Commission in previous cases?

A Yes, sir.

Q Anything unusual or anticipated difficulty about these formations which would make this proposed method of completion unpractical?

A None that I know of.

Q Is there anything further you care to state with respect to any of these exhibits?

A No, sir.

Q Were Exhibits 1 through 5 prepared by you or under your supervision?

A Exhibits 2, 3 and 4 were prepared by me, Exhibits 1 and 5 were prepared by the engineering section represented by our engineer.

MR. BRATTON: We offer in evidence Hubble's Exhibits 1

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through 5.

MR. UTZ: Without objection Humble's Exhibits 1 through 5 will be entered into the record.

(Whereupon, Applicant's Exhibits 1 through 5 were admitted into the record.)

MR. BRATTON: I would like to state further, Mr. Examiner, in clarifying our position, this, of course, is not a pool delineation hearing or an application to extend the Wantz Abo Pool at this time. If we do encounter the Abo production we would like to use this method of completion, and at that time I assume we would apply for either a new pool or an extension of the Wantz Abo. I believe we have nothing further at this time.

MR. UTZ: Are there questions of the witness?

MR. PORTER: Mr. Bratton, do you know how far this well is, the boundaries of the Wantz Abo Pool?

MR. BRATTON: Yes, sir, it's reflected on Exhibit No. 2. I believe it's a mile and a half from the closest part of the Wantz Abo.

MR. PORTER: Thank you.

MR. UTZ: Any other questions?

MR. KELLANIN: May I ask a couple, please, Mr. Utz?

MR. UTZ: Yes, sir.

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CROSS EXAMINATION

BY MR. KELLAHIN:

Q The Amerada No. 6 Hare is within the defined limits of the Wantz Abo Pool, is it not?

A That is correct.

Q The Sun Continent 4 Lynch, is that producing from the Abo formation as you have it here?

A No.

Q It's not completed in the Abo?

A No, sir.

Q Are the vertical limits of the Abo defined by the Commission?

A No, sir.

Q Do the operators use some common marker in picking the Abo?

A Yes, sir, it's a base, or at least on the old electric log run in this area it's easily seen on the SP curve. It's a shale. As you go through the Drinkard you penetrate the Drinkard and go immediately into shale, the Abo green shale, and this generally shows up in gamma ray curves and the SP curve.

Q That is a marker that is commonly agreed upon, is it?

A Yes, sir. I have checked this with the geologist in the Hobbs area.

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Q As I understand, you propose to complete your well in essentially the same zone as the Amerada No. 6 Hare well?

A I'll say this, the Wantz Abo Pool has no particular zone. In other words, a completion can be made anywhere in the Abo formation. I dare say that I hope we find production low in the Abo, but if perhaps we don't we will complete higher than the Amerada No. 6 in the Abo formation.

MR. KELLAHIN: Thank you.

MR. UTZ: Are there other questions? Mr. Nutter.

BY MR. NUTTER:

Q I didn't get your name, please.

A James Whitton.

Q Mr. Whitton, on your cross section here, the Amerada Hare No. 6 is the well on the left, is it not?

A Yes, sir.

Q Would you define what is commonly known as the Vivian zone of the Drinkard on that log?

A On this log it would be approximately from 6475 to the top of the Abo section.

Q In other words, on this log it would be approximately the lower half of the Drinkard interval as depicted there?

A That is correct.

Q Where would the Andrews pay, which is completed in many



parts of the Drinkard Pool be as far as this log is concerned?

A The Andrews pay is actually down in the Abo formation and it is from, I'd say approximately 6750 to 6900, somewhere in that locality. It's a nebulous thing. My only reference to the location of the Andrews pay is from the symposium made by the Roswell Geological Society in 1956. As I understand it in conversation with your geologist in Hobbs' Oil Conservation Commission office, they consider that the Andrews pay.

However, the Wantz Abo pay, as I say, there's no definite zone for the Wantz Abo. It can be completed in any of the Abo section, but the Andrews pay is so designated up in the very upper part of the Abo formation.

Q And it has been a tradition among the operators in the Drinkard Pool to classify the Andrews pay as part of the Drinkard completion if they had production in the Andrews as well as the Vivian, and perforations of this type have been accepted by the Commission over a period of many years?

A In the southern part of the Drinkard field is the only area in which there are any completions in the Andrews pay.

Q But numerous wells have been completed in the Andrews and the Vivian without the necessity of dual completion between the two pays?

A How numerous, I don't know. I haven't made that study.

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I only have one exhibit. I cut this map out of the 1956 symposium, if you would like to refer to this. I only have one copy, though. In that I have outlined in red the wells they designated as being completed in the Andrews section.

Q But the two pays, at any rate, have been in communication with each other by virtue of being perforated and classified in the Drinkard Pool, the Vivian and the Andrews have been perforated in single wells without separation by packers?

A That I do not know. I haven't made the study of the entire pool, and as I stated there, these wells completed in the Andrews pay are down south here. Now, to the north, as you can see on Exhibit 2, these wells, there are wells in the Wantz Abo and the Drinkard Vivian completed side by side on the same 40-acre tract. Now they have been separated. Now I don't know about those wells down south.

Q Are those wells Vivian, Drinkard wells and lower Abo wells or Vivian, Drinkard wells and Andrews pay wells?

A I haven't investigated any of those outside of the closed area.

Q You stated that your proposed area for perforation would be similar to the lower Abo formation and be the similar formation to which Amerada has completed this No. 6 well in the Amerada in this formation, is that correct?

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A Historically the Wantz Abo Pool is not a very productive pool. In other words, the wells are not what you would say real good. There are a few, only a handful, the remainder are not very good. It's more or less a salvage type thing, plug back from a deeper depth, deeper completion. Now, we intend to core all of the Abo. We hope to find the best zones and generally we complete the lowermost zone first if it is good enough to complete it. The lowermost, best zone, I should say, if in this well it is down low, we will complete it low.

Q You said if the pay was higher you would come up the hole and try to complete higher up in the Abo?

A Yes.

Q How high up would you come in the Abo? Would it be your intent to come up into the Andrews pay and perforate there in the Abo formation?

A I dare say eventually we would. If we complete lower and this zone depletes and there is pay above we will at a later date.

Q This well is within the horizontal limits of the Drinkard Pool at the present time as presently defined?

A Yes, sir.

MR. NUTTER: I believe that's all. Thank you.

BY MR. UTZ:





Q Did you state your cement program or did you just use Exhibit 5?

A As I said, I didn't prepare Exhibits 1 or 5. If you have any questions concerning the mechanical aspects, I would appreciate it if we let Mr. Bevill, our engineer who is present, answer any questions you have.

Q Well, I would like to know what your cement program is.

MR. BRATTON: I believe it's reflected on Exhibit No. 5.

MR. UTZ: Can you state as to whether that cement is staged or circulated from the bottom?

MR. BRATTON: Let's get Mr. Bevill.

(Witness sworn.)

B. K. BEVILL

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

DIRECT EXAMINATION

BY MR. BRATTON:

Q State your name and by whom employed?

A B. K. Bevill, Humble Oil and Gas Company.

Q You are an engineer with the company?

A District Production Engineer.

Q And have previously testified before this Commission?

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A Yes, sir.

CROSS EXAMINATION

BY MR. UTZ:

Q Referring to Exhibit 5, would you state for the record how you intend to accomplish this cement program as outlined on that exhibit? You need not go into the surface string.

A Actually, as you note on the diagram, we have our string staggered. We intend to cement down through the long string and attempt to bring it back, all the way back into the 9-5/8ths.

Q From the bottom?

A Yes, sir.

Q How will you accomplish that on your Drinkard completion? That's where you are going to cement from.

A We will cement from the bottom through the long string and bring it all the way back.

Q It doesn't show on the long string to be the Abo, that would be around 1750?

A That's correct.

Q Is what you are saying the long string and you will cement from the Abo?

A We will cement all strings through the long string.

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In other words, the other two strings will be very likely bull plugged.

Q I see.

A During cementing operations they will be equipped with turbulizers or centralizers throughout all pay zones, and during cementing operations we will attempt to work either one or two or possibly all three strings until the plug hits bottom.

Q Have you had good success in causing separations between two or three zones by this method of cementing?

A Yes, sir. I will admit we've had some troubles over in other areas. Now here in New Mexico we have been limited, I believe, to four dual completions where we have had nonconcentric strings and on all four we had no indications of bad cement job.

Q So it hasn't been necessary to go on a squeeze?

A Not any of our New Mexico completions.

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

The witness may be excused.

(Witness excused.)

MR. UTZ: Any further statements in this case? If no further statements, the case will be taken under advisement.

Did you have something, Mr. Bratton?

MR. BRATTON: No, sir, I was just going to assure Mr.

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Nutter we're not going to complete in two zones, that we're afraid might wind up in one zone. We don't like to do that just for exercise.

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 1st day of March, 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 hearing of Case No. 2256, heard by me on Feb. 21, 1963.

*James L. [Signature]*, Examiner  
New Mexico Oil Conservation Commission

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MAIN OFFICE OCC

1963 FEB 6 PM 1:37

PLACE Midland, Texas

DATE February 5, 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. 2h as a Blinbry Oil, Drinkard Oil, Wichita Oil producer located in Unit J, Section 2, Township 22 South, Range 37 East, Lea County, New Mexico, and hereby waives all objections to triple completion on said well as a Blinbry Oil, Drinkard Oil, Wichita Oil producer.

Sinclair Oil & Gas Company

N. F. Gullledge  
N. F. Gullledge  
Assistant Division Production Superintendent



MAIN OFFICE OCC

1963 FEB 6 PM 1:37

**SOHIO PETROLEUM COMPANY**

PRODUCTION DEPARTMENT

February 4, 1963

OKLAHOMA CITY 2, OKLAHOMA  
970 FIRST NATIONAL OFFICE BLDG.

Mr. A. L. Porter, Jr.  
New Mexico Oil Conservation Commission  
Box 871  
Santa Fe, New Mexico

Waiver to Triple Complete  
Humble's New Mexico State S #24  
Lunice Granite Wash Field

Dear Mr. Porter:

Attached please find subject waiver requested by  
Humble Oil Company.

Very truly yours,

*Burton Whiteley*  
Burton Whiteley  
General Superintendent  
South Area

W:port

Attachment

cc: Mr. A. L. Porter  
Humble Oil Refining Co.  
Albany, New Mexico

PLACE Oklahoma City, Oklahoma

DATE February 4, 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. 24 as a Blinebry Oil, Drinkard Oil, Wichita Oil producer located in Unit J, Section 2, Township 22 South, Range 37 East, Lea County, New Mexico, and hereby waives all objections to triple completion on said well as a Blinebry Oil, Drinkard Oil, Wichita Oil producer.

SHUTTELL OIL COMPANY  
NAME OF COMPANY

*Linton Whiteley*  
Representative of Company

MAIN OFFICE OCC

1963 FEB 1 AM 8:24

PLACE Roswell, New Mexico

DATE January 29, 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. 24 as a Blinebry Oil, Drinkard Oil, Wichita Oil producer located in Unit J, Section 2, Township 22 South, Range 37 East, Lea County, New Mexico, and hereby waives all objections to triple completion on said well as a Blinebry Oil, Drinkard Oil, Wichita Oil producer.

GULF OIL CORPORATION  
NAME OF COMPANY

M. J. Taylor  
Representative of Company  
District Production Manager



MAIN OFFICE OCC

1963 JAN 29 AM 8:20

PLACE

DATE

*Chula Vista, New Mexico*  
*Jan 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. 24 as a Blinebry Oil, Drinkard Oil, Wichita Oil producer located in Unit J, Section 2, Township 22 South, Range 37 East, Lea County, New Mexico, and hereby waives all objections to triple completion on said well as a Blinebry Oil, Drinkard Oil, Wichita Oil producer.

*C. F. ...*  
NAME OF COMPANY

*... Represent.*  
Representative of Company

MAIN OFFICE OCC

1963 JAN 29 AM 8:20

*P. 275*

PLACE

H. H. N. M.

DATE

1-28-63

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. 24 as a Blinebry Oil, Drinkard Oil, Wichita Oil producer located in Unit J, Section 2, Township 22 South, Range 37 East, Lea County, New Mexico, and hereby waives all objections to triple completion on said well as a Blinebry Oil, Drinkard Oil, Wichita Oil producer.

*Sunny Oil Co*  
NAME OF COMPANY

*C. T. McCombs*  
Representative of Company

MAIN OFFICE OCC

OIL CONSERVATION COMMISSION

1963 JAN 31 AM 8:05 2045

HOBBS, NEW MEXICO

DATE Jan. 30, 1963

OIL CONSERVATION COMMISSION  
BOX 871  
SANTA FE, NEW MEXICO

Re: Proposed NSP

Proposed NSL

Proposed NFO

Proposed DC

Gentlemen:

Triple X

I have examined the application dated 1/28/63

for the Humble Oil & Rfg. Co. New Mexico State "S" #24-J 2-22-37  
Operator Lease and Well No. S-T-R

and my recommendations are as follows:

Blinebry Acreage dedicated to State #23-P 2-22-37

This triple completion as proposed is actually Blinebry-Drinkard-Drinkard.

(The term Wichita is actually Abo) The proposed completion 6900-6950 is

the Andrews pay of the Drinkard Pool. Recommend a hearing to prevent

a double dual in the Drinkard Pool. J.W.R.

Yours very truly,

OIL CONSERVATION COMMISSION

MAIN OFFICE ~~500~~ **HUMBLE OIL & REFINING COMPANY**  
**HUMBLE DIVISION**  
Hobbs, New Mexico  
1963 JAN 23 AM 8:24 January 25, 1963

*Box 2754*

Re: Application For Triple  
Tubingless Completion,  
New Mexico State S - 24,  
Eunice Granite Wash Field  
Wildcat

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 to drill and complete its New Mexico State S - 24 as a triple tubingless completion in the Blinbry Oil, Drinkard Oil, and Wichita Oil zones. This proposed well will be located in Unit J, 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

*H. R. Alworth*  
H. R. Alworth

BAB/mlh

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

Attachments

## NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

## APPLICATION FOR MULTIPLE COMPLETION

File 275  
1933 JAN 28  
MAIN OFFICE DEC  
1-61

Operator Humble Oil & Refining Company		County Lea		Date January 25, 1963
Address Box 2347, Hobbs, New Mexico		Lease New Mexico State S		Well No. 24
Location of Well	Unit J	Section 2	Township 22 South	Range 37 East

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES \_\_\_\_\_ NO X
2. If answer is yes, identify one such instance: Order No. \_\_\_\_\_; Operator, Lease, and Well No.:

## Field Wildcat - Completion intervals to be selected from logs and cores.

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Blinebry	Drinkard	Wichita
b. Top and Bottom of Pay Section (Perforations)	5700-5800' (Est.)	6400-6450' (Est.)	6900-6950 (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 tops and bottoms of producing zones and intervals of perforation indicated

To be filed later - 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 X NO \_\_\_\_\_. If answer is yes, give date of such notification 1-25-63.

CERTIFICATE: I, the undersigned, state that I am the \_\_\_\_\_ Agent \_\_\_\_\_ of the Humble Oil and 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.

*G. H. Carter*  
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.

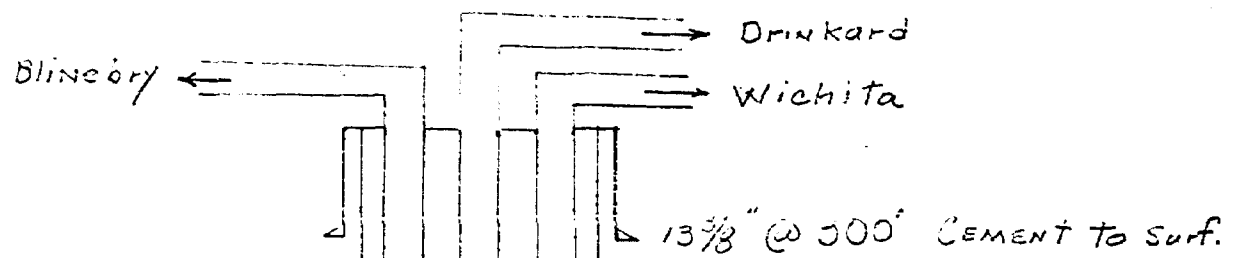
mlh

HUMBLE OIL & REFINING COMPANY

NEW MEXICO STATE S - 24

Proposed Triple Tubingless Completion

Case 2756



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'.

Proposed Blincory [5700' - 5800']

6200' ±

Proposed Drinkard [6400' - 6450']  
6600' ±

[6700' - 6750'] Proposed Wichita

7150' EST. T. D.

# HUMBLE OIL AND REFINING COMPANY

NEW MEXICO STATE "S" LEASE

R 37 E

		HUMBLE	CONTINENTAL	CONTINENTAL	PAN-AMERICAN
		*4 ●2 ●3 *1 Hardison GULF ●4 ●1 ●3 *6 ●7 Mark Owen	●1 "A" ●3 MORAN "B" ●1 ●2 Elliott Lockhart MARATHON ●1 ●4 *6 *5 Mark Owen	*2 "B" ●4 ●1 ●3 CITIES SERVICE ●3 ●5 ●4 ●6 Owen	*5-C-13 *36 SINGLAIR ●2 ●3 *367 TIDEWATER "Q" ●1 ●1 State
T	21	2 GULF ●8 ●6 ●1 D-B Dual ●3 ●4 Mark CITIES SERVICE 4 ●8 ●2 5 ●3 10 ●7 Brunson	●16 *15 14 17 13 12 5 *19 ●11 ●8 ●3 *20 21 18 2 *18 ●9 ●6 ●1 *2-C 24 ● 22 ●7 ●4 *23 ●10 ●2 *1-C State	*3 ●5 ●2 ●1 ●4 Lynch SUNRAY *2 ●1 ●2 SUNRAY ●3 ●1 ●1 *3 Lynch Christ mas Paddock	●5 ●4 1 ●2 ●1 *3 Paddock
		GULF ●3 6 ●1 5 ●2 4 Brunson Eaves AMERADA *3 ●2 Baker	MARATHON ●7 ●5 ●3 ●1 8 ●9 ●6 ●4 2 *12 *9 SHELL ●2 ●3 *8 ●1 ●4 Thomas Long	HUMBLES A-12 ●1 Soho *1 ●2 Elliott ●7 1-A PENROSE ●3 S. E. Long	SINGLAIR ●1 ●2 Rodgers PENROSE ●2 Rodgers 12 8 ●4 Hinton

• Proposed Pipeline Completion

• Proposed Pipeline Completion

• Proposed Pipeline Completion

*Case 2756*

**HUMBLE OIL & REFINING COMPANY**

HUMBLE DIVISION

Hobbs, New Mexico

January 25, 1963

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 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. 24, Blinberry Oil, Drinkard Oil, Wichita Oil, Unit J, 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.

Yours very truly,

HUMBLE OIL & REFINING COMPANY

*R. R. Alworth*  
R. R. Alworth

ERB/mlh

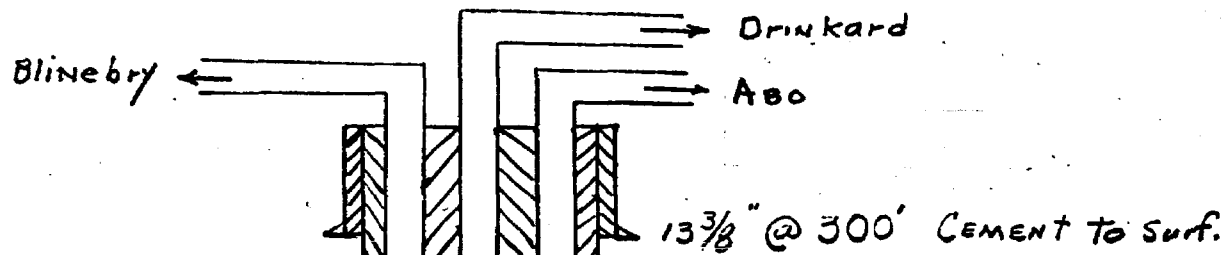
Attachments



HUMBLE OIL & REFINING COMPANY

NEW MEXICO STATE S - 24

Proposed Triple Tubingless Completion



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'.

Proposed Blinebry [5700' - 5800']  
6200'

Proposed Drinkard [6400' - 6450']  
6600'

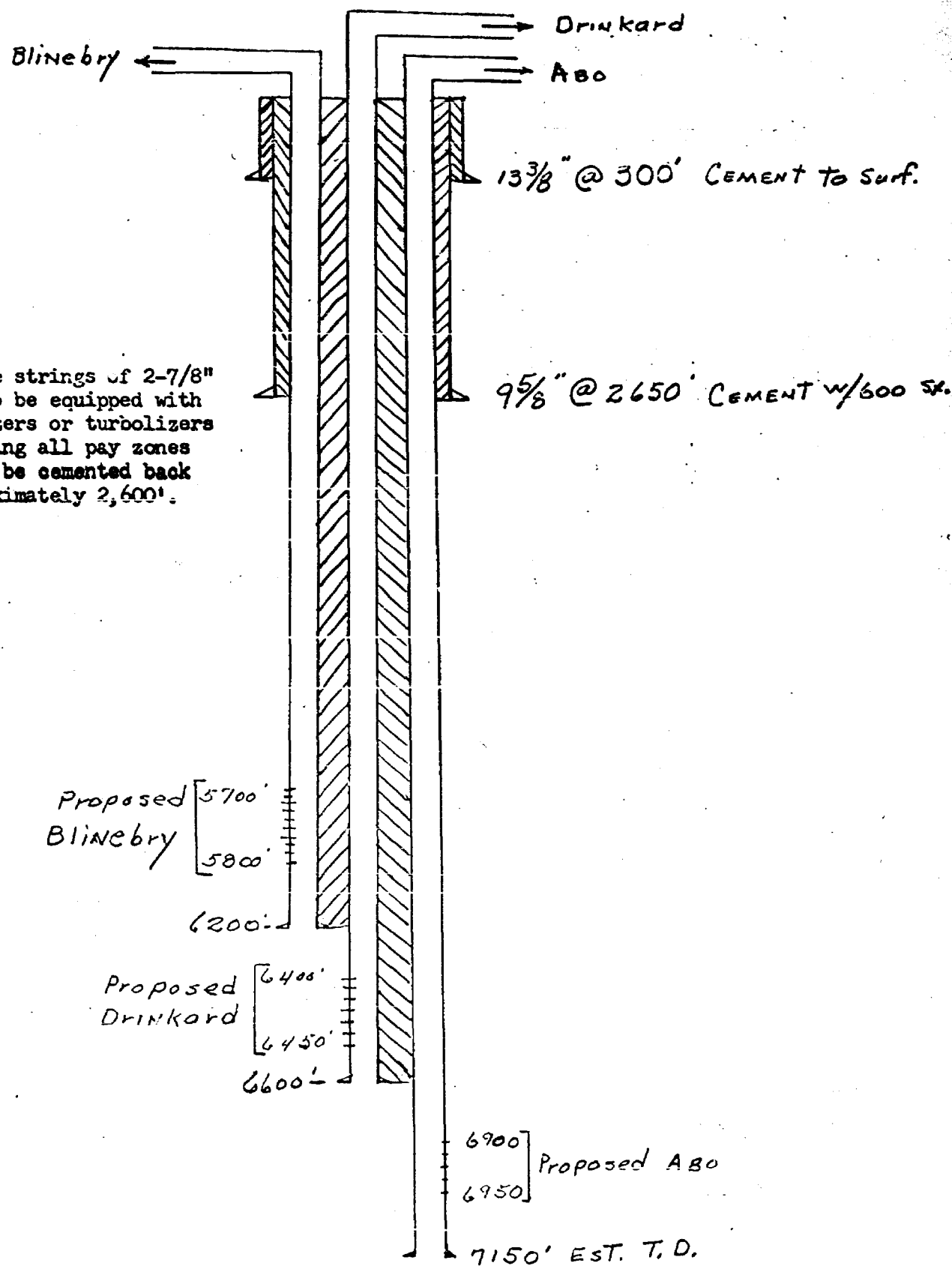
6900' Proposed Abo  
6950'

7150' EST. T.D.

HUMBLE OIL & REFINING COMPANY

NEW MEXICO STATE S - 24

Proposed Triple Tubingless Completion



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'.