

CASE 2418: Application of HUMBLE
for permission to dually complete
its STATE BM WELL NO. 1.

-asa//o.

2418

plication, Transcript,

and Exhibits, Etc.

**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. 2418
Order No. R-2114**

**APPLICATION OF HUMBLE OIL
& REFINING COMPANY FOR AN
OIL-OIL DUAL 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 October 25, 1961, at Santa Fe, New Mexico, before Daniel S. Hutter, 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 3rd day of November, 1961, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Hutter, 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, is the owner and operator of the New Mexico State BM Well No. 1, located in the NE/4 SE/4 of Section 2, Township 25 South, Range 37 East, NMPM, Lea County, New Mexico.

(3) That the applicant proposes to complete the above-described New Mexico State BM Well No. 1 as a dual completion (combination) in such a manner as to permit the production of oil from an undesignated Fusselman pool through a string of 2 7/8-inch casing and from an undesignated Ellenburger pool through tubing run within a parallel string of 4 1/2-inch casing, the parallel strings of casing to be cemented in a common well bore.

(4) That the mechanics of the proposed dual 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.

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CASE No. 2418
Order No. R-2114

IT IS THEREFORE ORDERED:

(1) That the applicant, Humble Oil & Refining Company, is hereby authorized to complete its New Mexico State EM Well No. 1, located in the NE/4 SE/4 of Section 2, Township 25 South, Range 37 East, NMPN, Lea County, New Mexico, as a dual completion (combination) in such a manner as to permit the production of oil from an undesignated Fasselman pool through a string of 2 7/8-inch casing and from an undesignated Ellenburger pool through tubing run within a parallel string of 4 1/2-inch casing, the parallel strings of casing to be 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.

PROVIDED FURTHER HOWEVER, That the applicant shall take zone segregation tests upon completion and annually thereafter during the Gas-Oil Ratio Test Period for the Ellenburger zone, or at such other times as the Secretary-Director of the Commission may prescribe.

(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.

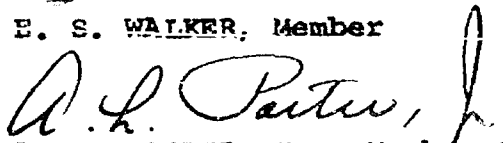
STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION



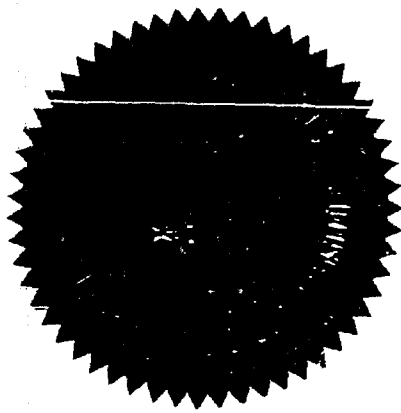
EDWIN L. MECHEM, Chairman



E. S. WALKER, Member



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



esr/

GOVERNOR
EDWIN L. MECHEM
CHAIRMAN

State of New Mexico
Oil Conservation Commission

LAND COMMISSIONER
E. S. JOHNNY WALKER
MEMBER



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

P. O. BOX 871
SANTA FE

November 3, 1961

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

Re: Case No. 2418
Order No. R-2114
Applicant:
Humble Oil & Refg. Co.

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

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

CASE 2418

Date 10/30

Hearing Date 9 am 10/25

My recommendations for an order in the above numbered cases are as follows:
DSN @ SF

Enter an order approving Hummer
proposal for dual compl. of its N.M. St BM
Well No 1, loc in the NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec 2, T25S,
R 37E in an undesignated Fusselman and
~~an~~ undesignated Ellenburger Pools. This
is a dual completion (combination). Operator
will cement parallel strings of 2 $\frac{7}{8}$ " and
4 $\frac{1}{2}$ " casing in a common well bore
and produce the Fuss. thru the 2 $\frac{7}{8}$ " and
the Ellenburger thru tubing run within
the 4 $\frac{1}{2}$ " casing.

Provide for segregation tests upon
compl and annually thereafter during
GOR test period for the Ellenburger zone

Karshman
Examiner

No. 29-61

DOCKET: EXAMINER HEARING - WEDNESDAY - OCTOBER 25, 1961

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

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

Cases 2413 through 2420 will not be heard before 1:00 P.M.

CASE 2403: In the matter of the hearing called by the Oil Conservation Commission to permit Henry W. Etz, Jr. and all interested parties to appear and show cause why the Rice Andrews Well No. 1, located in Unit C, Section 14, Township 14 South, Range 25 East, Chaves County, New Mexico, should not be replugged in accordance with a Commission-approved plugging program.

CASE 2404: Application of Continental Oil Company for a 272.38-acre non-standard gas proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the establishment of a 272.38-acre non-standard gas proration unit in the Eumont Gas Pool, comprising Lots 2, 3, 4, 5, 6, 7 and 8 of Section 1, Township 21 South, Range 36 East, Lea County, New Mexico; said unit is to be dedicated to the State F-1 Well No. 6, located 660 feet from the North and West lines of said Section 1.

CASE 2405: Application of Amerada Petroleum Corporation for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its Ida Wimberly Well No. 11, located in the NW/4 SW/4 of Section 24, Township 25 South, Range 37 East, Lea County, New Mexico, as a dual completion in the Justis-Paddock and Justis-Blinbry Pools, with the production of oil from the Paddock zone to be through a tapered string of tubing of 2 3/8-inch and 2 1/16-inch diameter and the production of oil from the Blinbry zone to be through a tapered string of tubing of 2 3/8-inch and 1-inch diameter.

- CASE 2406: Application of Shell Oil Company for an exception to Rule 502-I, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Rule 502-I to increase from 25 percent to 100 percent the daily production tolerance applicable to all of its wells located in the Hobbs, Eunice-Monument, Vacuum-Abo and Vacuum-San Andres Pools, Lea County, New Mexico.
- CASE 2407: Application of Shell Oil Company for approval of the Cabezon Unit Agreement, Sandoval County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Cabezon Unit Agreement embracing 22,743 acres, more or less, of State, fee and Federal lands in Townships 16 and 17 North, Ranges 2, 3 and 4 West, Sandoval County, New Mexico.
- CASE 2408: Application of Texaco, Inc. for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its V. M. Henderson Well No. 6, located in Unit C, Section 30, Township 21 South, Range 37 East, Lea County, New Mexico, as a triple completion adjacent to the Paddock, Blinebry, and Drinkard Pools, with production of oil from the Paddock and Drinkard zones to be through parallel strings of 2 1/16-inch tubing and the production of gas from the Blinebry Gas Pool to be through the tubing-casing annulus.
- CASE 2409: Application of Texaco Inc. for a quintuple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its G. L. Erwin "b" NCT-2 Well No. 2, located in Unit J, Section 35, Township 24 South, Range 37 East, Lea County, New Mexico, as a quintuple completion (tubingless) in undesignated Ellenburger, McKee, Fusselman, Siluro-Devonian and Drinkard pools, with the production of oil from the McKee, Fusselman, Siluro-Devonian and Drinkard zones to be through parallel strings of 2 3/8-inch tubing and the production of oil from the Ellenburger-zone to be through a string of 2 7/8-inch tubing, all strings of tubing to be cemented in a common well bore.
- CASE 2410: Application of Hondo Oil & Gas Company for permission to directionally drill and for an unorthodox bottom hole location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks permission to directionally drill a well in Section 26, Township 17 South, Range 28 East, Eddy County,

CASE 2410: (Cont.)

New Mexico, the surface location to be 2310 feet from the North line and 1980 feet from the East line of said Section 26 and the bottom hole location to be in the Empire-Abo Pool at a situs 2540 feet from the North line and 1980 feet from the East line of said Section 26.

CASE 2411:

Application of Socony Mobil Oil Company, Inc., for an exception to Rule 303 (a), Lea County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Rule 303 (a) to permit the commingling of the production from the Anderson Ranch-Devonian and the Anderson Ranch-Wolfcamp Pools on its New Mexico "S" lease, which includes Lot 2 of Section 2, Township 16 South, Range 32 East, Lea County, New Mexico. Applicant proposes to meter the production from one pool only, and to allocate production to the other pool according to the subtraction method; the API gravity of the Anderson Ranch-Devonian crude is greater than 45°.

CASE 2412:

Application of Val R. Reese & Associates, Inc., for an unorthodox gas well location and a non-standard gas unit, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks permission to locate its Benn Well No. 1-9 at an unorthodox gas well location in an undesignated Gallup pool, 2210 feet from the North line and 330 feet from the East line of Section 9, Township 23 North, Range 7 West, Rio Arriba County, New Mexico, said well to be dedicated to a 152.02-acre non-standard gas unit comprising the NE/4 of said Section 9.

The following cases will not be heard before 1:00 P.M.

CASE 2413:

Application of Aspen Crude Purchasing Company for an unorthodox oil well location, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval of an unorthodox oil well location in the Totah-Gallup Oil Pool for a well to be drilled 1190 feet from the South line and 2210 feet from the East line of Section 11, Township 28 North, Range 13 West, San Juan County, New Mexico.

CASE 2414:

Application of Southwest Production Company for an unorthodox gas well location, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval of an unorthodox

CASE 2414: (Cont.)

gas well location in an undesignated Mesaverde pool for a well located 2360 feet from the South line and 830 feet from the West line of Section 26, Township 30 North, Range 12 West, San Juan County, New Mexico. Said well is to serve as the unit well for a 160-acre gas proration unit comprising the SW/4 of said Section 26.

CASE 2415:

Application of Southwest Production Company for an order pooling all mineral interests in the Basin-Dakota Gas Pool in the E/2 of Section 14, Township 30 North, Range 12 West, San Juan County, New Mexico. Interested parties include the unknown heirs of Abas Hassan, deceased, the unknown heirs of D. M. Longstreet, deceased, and Robert E., Alice L., and Samuel Glenn Goodwin, and/or their unknown heirs.

CASE 2416:

Application of Southwest Production Company for an order pooling all mineral interests in an undesignated Mesaverde gas pool in the E/2 of Section 22, Township 30 North, Range 12 West, San Juan County, New Mexico.

CASE 2417:

Application of Scanlon Engineering Company for an order fixing the spacing of wells, McKinley County, New Mexico. Applicant, in the above-styled cause, seeks an order fixing the spacing of wells producing from the Mesaverde formation in Sections 21, 22 and 27, all in Township 20 North, Range 9 West, McKinley County, New Mexico. Applicant recommends the establishment of two and one-half acre well spacing.

CASE 2418:

Application of Humble Oil & Refining Company for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its State BM Well No. 1, located in Unit I, Section 2, Township 25 South, Range 37 East, Lea County, New Mexico, as a dual completion (Tubingless) in undesignated Fusselman and Ellenburger pools, with the production of oil from the Fusselman zone through 2 7/8-inch casing and the production of oil from the Ellenburger zone through 2 3/8-inch casing cemented in a common well bore.

CASE 2419:

Application of Leonard Oil Company for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its Federal Ginsberg Well No. 11, located in Unit E, of Section 31, Township 25 South, Range 38 East, Lea County, New Mexico, as a triple completion (conventional) in the Justis Blinbry Pool, in an undesignated

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Docket No. 29-61

CASE 2419: (Cont.)

Tubb Pool and in the Justis Fusselman Pool, with production of oil from the Tubb and Fusselman zones to be through parallel strings of 2 3/8-inch tubing and the production of oil from the Blinebry zone through a string of 2 1/16-inch tubing.

CASE 2420:

Application of Zapata Petroleum Corporation for authority to inject water into the Maljamar Pool, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authorization to inject water into the Maljamar Pool (Grayburg and San Andres formations) through eight wells located in Sections 17, 18 and 19, all in Township 17 South, Range 33 East, Lea County, New Mexico, for the purpose of secondary recovery.

Case 2418

HUMBLE OIL & REFINING COMPANY
HUMBLE DIVISION

Hobbs, New Mexico
September 19, 1961

Re: Application to Dual Complete
New Mexico State EM-1, Justis
Pool, Lea County, New Mexico

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

Dear Sir:

Humble Oil and Refining Company respectfully requests administrative approval to dual complete its New Mexico State EM-1, Justis Pool, Lea County, New Mexico, located in Unit I, Section 2, T-25-S, R-37-E. This is a proposed multiple completion (combination) whereby one string of 4-1/2-inch casing and one string of 2-7/8-inch casing will be run and cemented in a common well-bore. The Ellenburger pay will be produced through the 4-1/2-inch string, which will be tubed with 2-3/8-inch tubing, and the Fusselman pay will be produced through the 2-7/8-inch string.

Yours truly,

HUMBLE OIL & REFINING COMPANY

R. R. Alworth
R. R. Alworth

BKB/mcb

*Rec'd
Mailed
10-11-61
JL*

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

APPLICATION FOR DUAL COMPLETION

Field Name Justis		County Lea		Date September 19, 1961
Operator Humble Oil & Refining Company		Lease N. M. State BM		Well No. 1
Location of Well I	Unit 2	Section 25-S	Township 37-E	Range

1. Has the New Mexico Oil Conservation Commission heretofore authorized the dual 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. **R-2055**; Operator, Lease, and Well No.: **Texaco G. L. Erwin (NCT-2) #1**

3. The following facts are submitted:

	Upper Zone	Lower Zone
a. Name of reservoir	Fusselman	Ellenburger
b. Top and Bottom of Pay Section (Perforations)	6800-7100	8500-8600
c. Type of production (Oil or Gas)	Oil	Oil
d. Method of Production (Flowing or Artificial Lift)	Flow	Flow

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

Yes a. Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, 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 dual completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*

 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.

T. P. Coal and Oil Co.

Sinclair Oil & Gas Co.

J. C. Williamson

Western Natural Gas Co.

Claude Aikman

Cities Service Oil Co.

Continental Oil Co.

(Note: Addresses on attached sheet)

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 **Sept. 19, 1961**

CERTIFICATE: I, the undersigned, state that I am the Agent of the **Humble Oil & Refining Co.** (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

* 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 dual completion will result in an unorthodox well location and/or a non-standard proration unit in either or both of the producing zones, then separate application for approval of the same should be filed simultaneously.

44-234-1

Humble Oil & Refining Co.
Application for Dual Completion, N. M. State BM-1, I-2-25-S-37-E, Lea Co., N. M.
Addresses:

Texas Pacific Coal and Oil Co.
Box 4067
Midland, Texas

J. C. Williamson
Box 16
Midland, Texas

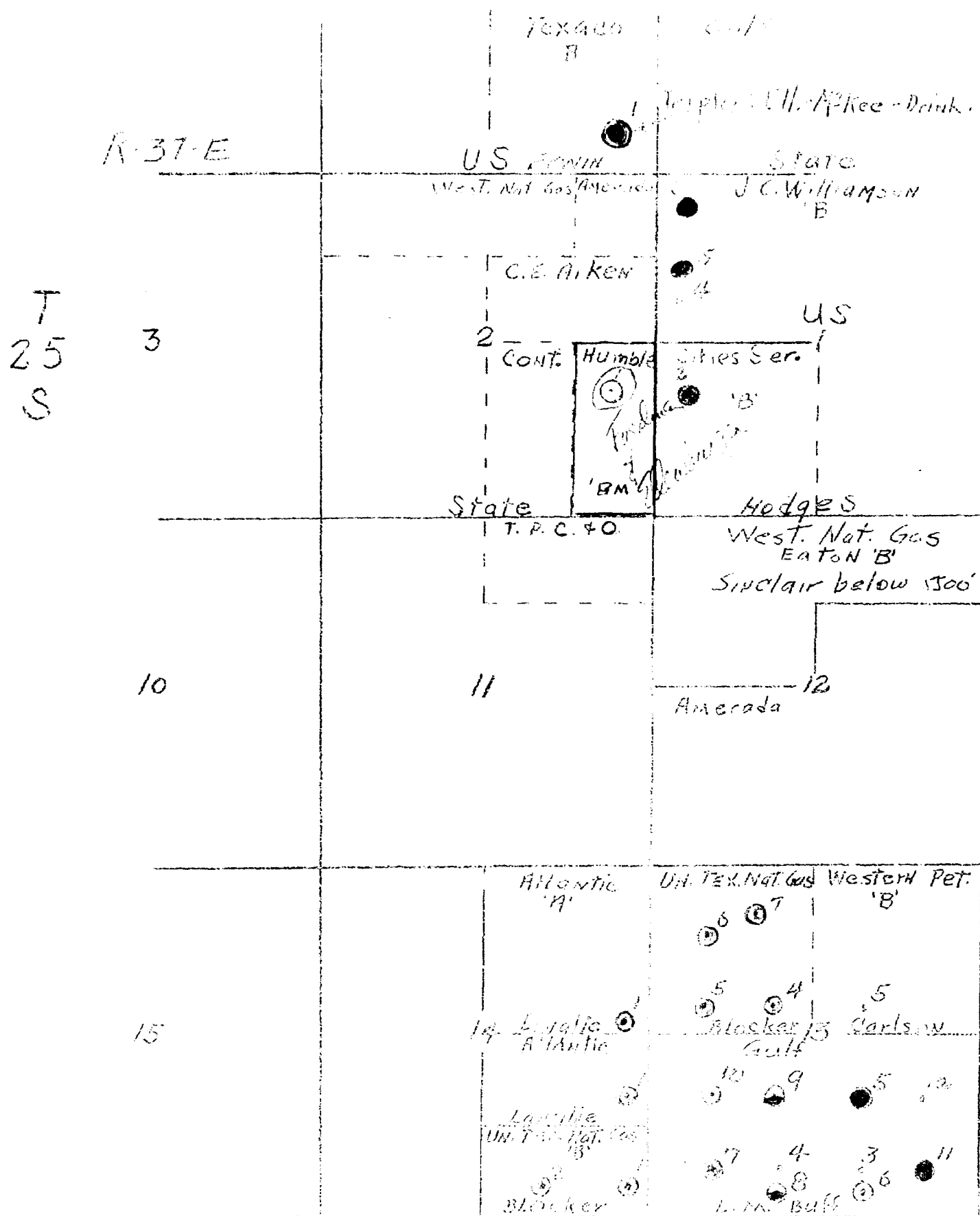
Claude Aikman
Box 2090
San Angelo, Texas

Cities Service Oil Company
Box 97
Hobbs, New Mexico

Continental Oil Company
Box 68
Eunice, New Mexico

Sinclair Oil and Gas Company
Box 1470
Midland, Texas

Western Natural Gas Company
823 Midland Tower
Midland, Texas



Legend:

- Millerbunger-McKee Dual
- McKee-Minebry
- Montoya-Fusselman Dual
- Fusselman-Drinkard Dual
- Drinkard Minebry Dual
- Minebry-McKee Dual
- Millerbunger-McKee-Drinkard

BEFORE EXAMINER NUTTER

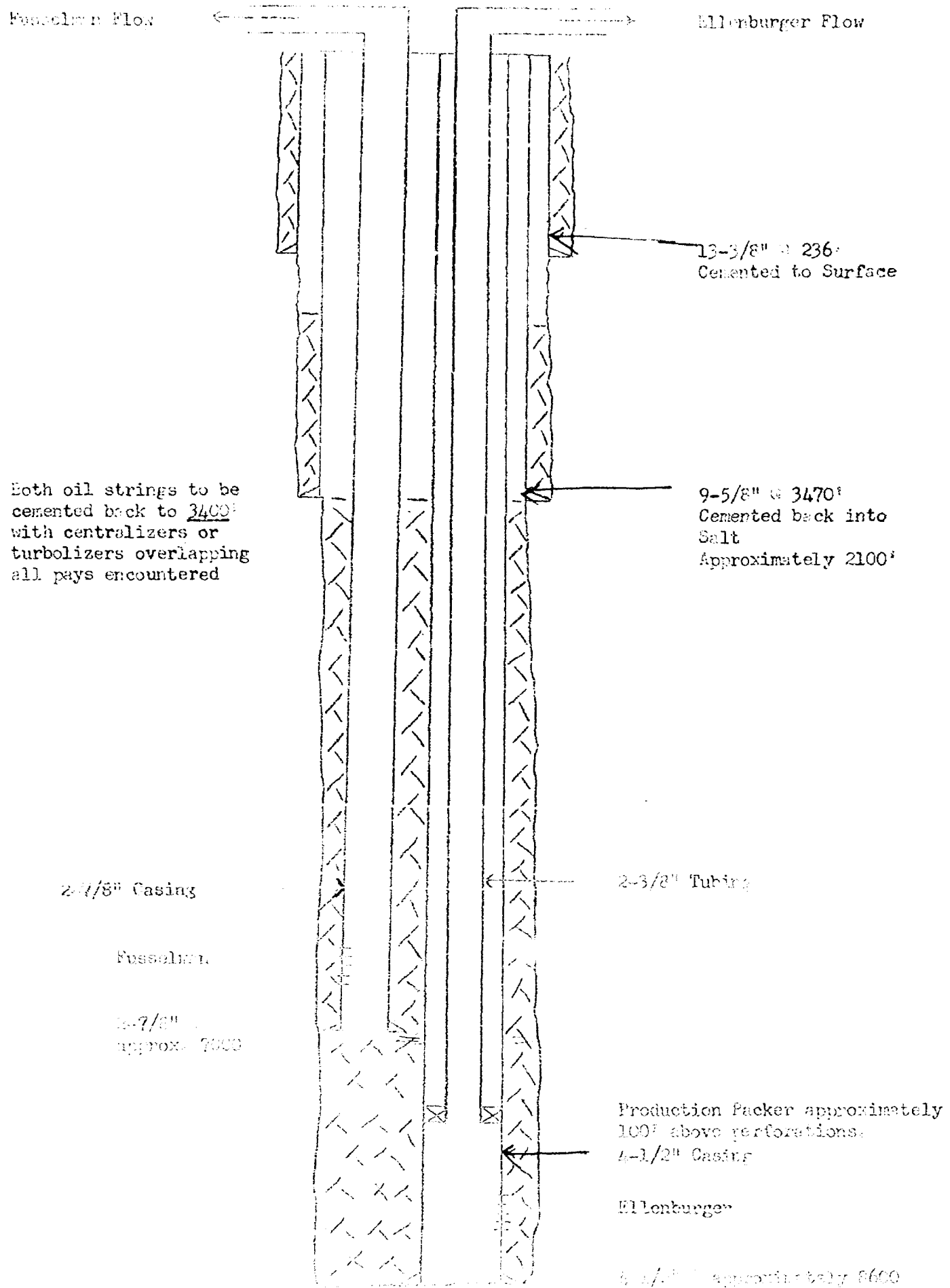
OIL CONSERVATION COMMISSION

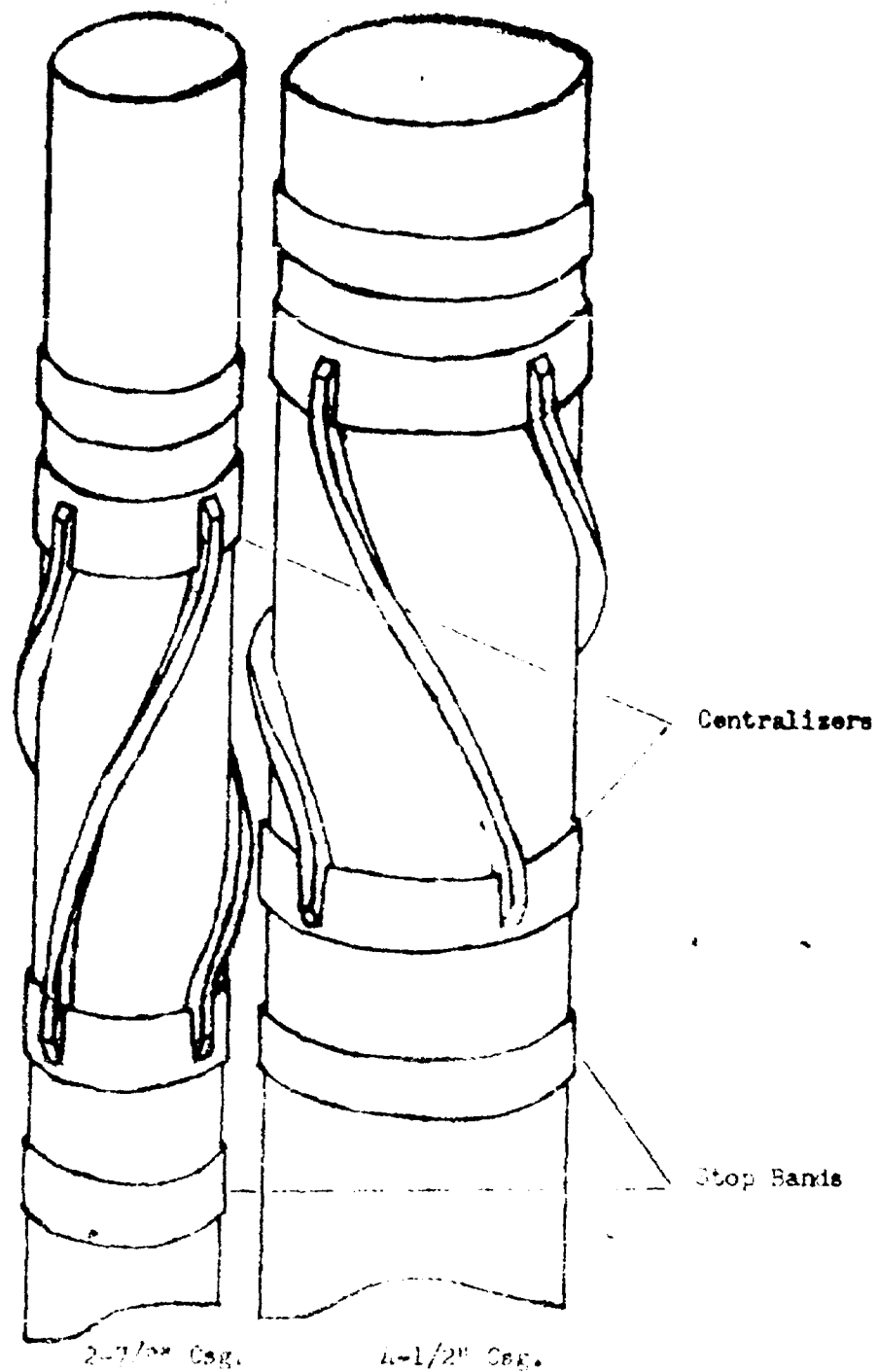
EXHIBIT NO. 1

CASE NO. 2418

Pacific Oil & Refining Company
 Los Angeles State 1951
 Production - Los Angeles - California
 Production - Ellenburger - California - Completion

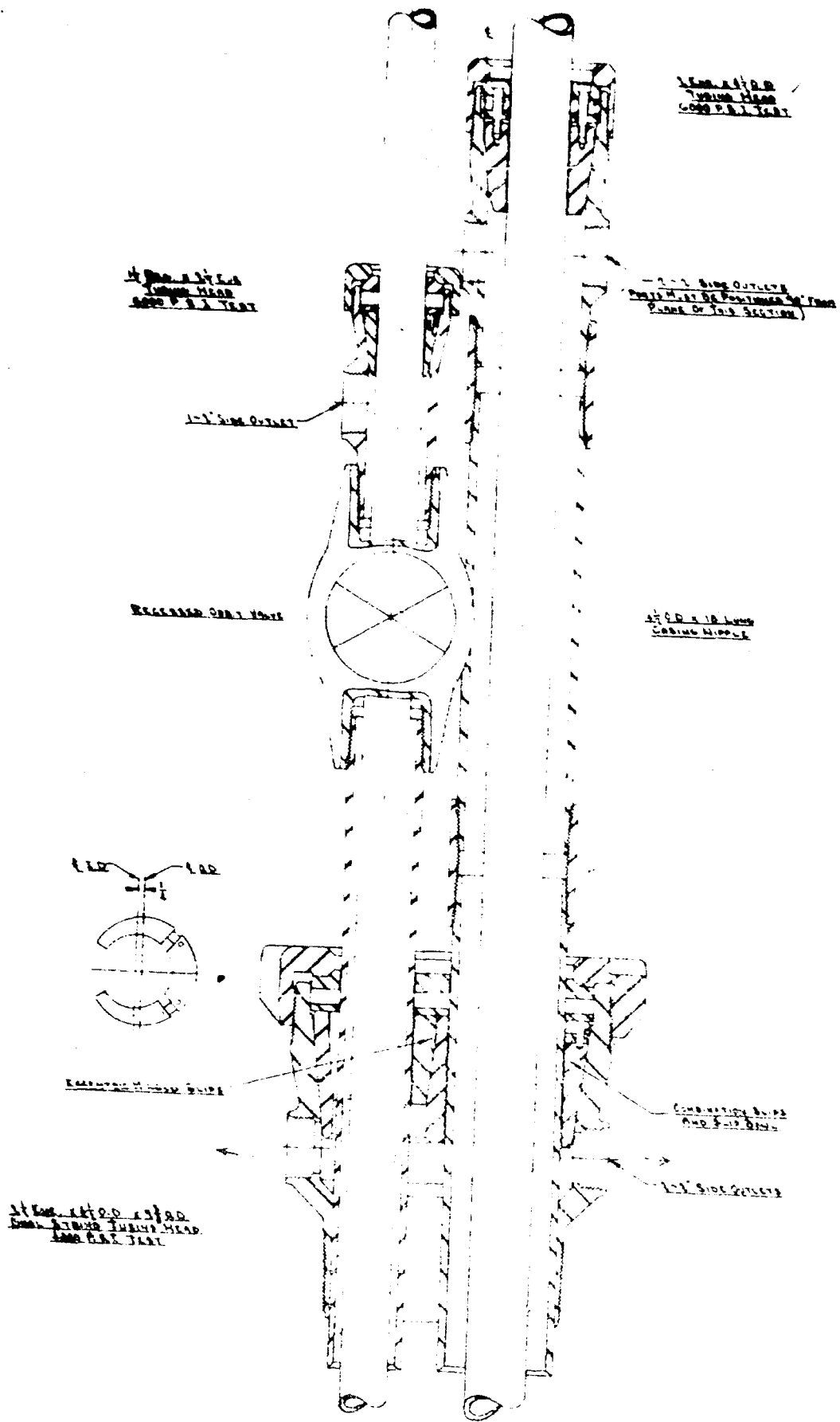
Schematic Sketch





REVERSE SPIRAL MESHING BAR CENTRALIZERS
 Manufactured By Gist Specialties Company, Odessa, Texas

DRAWING A



BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
October 25, 1961

EXAMINER HEARING

CASE 2418

TRANSCRIPT OF HEARING

DEARNLEY-MEIER REPORTING SERVICE, Inc.

ALBUQUERQUE, NEW MEXICO

PHONE CM 3-6691



DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

ALBUQUERQUE, N. M.
PHONE 243-6691

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
October 25, 1961

EXAMINER HEARING

IN THE MATTER OF:

Application of Humble Oil & Refining Company for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its State BM Well No. 1, located in Unit I, Section 2, Township 25 South, Range 37 East, Lea County, New Mexico, as a dual completion (Tubingless) in undesignated Fusselman and Ellenburger pools, with the production of oil from the Fusselman zone through 2 7/8-inch casing and the production of oil from the Ellenburger zone through 2 3/8-inch casing cemented in a common well bore.

CASE 2418

BEFORE: Mr. Daniel S. Nutter, Examiner

TRANSCRIPT OF HEARING

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

(Witness sworn.)

B. K. BEVILL

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



DIRECT EXAMINATION

BY MR. BRATTON:

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

A B. K. Bevill, Humble Oil and Refining Company, District Production Engineer, Hobbs District.

Q Are you familiar with the well that's the subject of this application, Mr. Bevill?

A Yes, sir.

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

A Yes, sir.

MR. NUTTER: How do you spell your name?

A B-e-v-i-l-l.

MR. NUTTER: Thank you.

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

Q (By Mr. Bratton) Mr. Bevill, I have what has been marked as Exhibit No. 1, which consists of four sheets. Will you please start at the top sheet and explain that exhibit and what it reflects with relation to this application?

A Sheet No. 1 is a map showing the subject area and the Humble State BM lease is outlined in red, and the subject

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325.1182

ALBUQUERQUE, N. M.
PHONE 243.6691



DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

ALBUQUERQUE, N. M.
PHONE 243-6691

well has a small red circle around it.

Q The well is in the Northeast of the Southeast of Section 2, 25 South, 37 East?

A Right.

Q It shows the completions in the area, the mutual completions in the area?

A That is right.

Q The Humble No. 1 is the well that you want to dually complete?

A Yes, sir.

Q In what formations?

A We would like to complete this well in the Fusselman and the Ellenburger.

Q Now, refer to your second sheet there, which shows the sketch of your proposed completion. Will you run through that and explain it?

A This is a diagrammatic sketch of how we plan to complete this well. Starting from the top string, 13-3-8 casing has already been set at 236 feet, and cemented to the surface. The second or salt string has already been set 9 5/8ths at 3470 feet, and cemented back into the salt zone. At present the well is drilling in an 8 3/4 hole at approximately 7,000 feet. As a matter of fact, I think we're probably coring the



DEARNLEY MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325.1182

ALBUQUERQUE, N. M.
PHONE 243.6691

Fusselman zone now. It is projected to go on to the Ellenburger, which we expect somewhere in the neighborhood of 8600 feet.

The first string of casing, which will be $4\frac{1}{2}$ inch, will be run to total depth. The second string of casing, which will be $2\frac{7}{8}$ ths inch will be run to approximately 7,000 feet, or to a point below the Fusselman.

Q The $2\frac{7}{8}$ ths is the casing on the left, that's where you'll complete the Fusselman?

A That is right.

Q And $4\frac{7}{8}$ ths is on the right, and that's where you'll complete the Ellenburger?

A The $4\frac{1}{2}$.

Q All right.

A Cementing operations will be in a method that we have used before by stage method, whereby we will cement down through the $4\frac{1}{2}$ inch and bring it back up to the $2\frac{7}{8}$ ths inch, and from there we will cement down through the $2\frac{7}{8}$ ths inch, and we propose to bring cement all the way back up and tie into the salt string at approximately 3700, I mean 3470 feet.

Q You do propose to run tubing in the Ellenburger?

A We will tube the $4\frac{1}{2}$ string in the Ellenburger.

Q At a later date you could tube the Fusselman if necessary?



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FARMINGTON, N. M.
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PHONE 243-6691

A We very likely will if we find it necessary.

Q When you get into artificial lift?

A Right.

Q Is there anything else in connection with the proposed completion that you care to explain?

A No, the next two sheets are just for the benefit of showing the type centralizers that we have used in the past. We plan to use them on this well.

Q Turning to your last sheet --

A The last sheet, I want to apologize for that print, it's not very good, but it gives you a picture of our surface hookup, at the bottom is the 9 5/8ths inch OD well head, which will be flanked directly to the salt string well head. You will note that both production strings extend up through that well head and are merely packed off, and they're controlled by well head equipment above.

The well head, the large well head will be 4,000 pound test and all equipment above that will be 6,000 pound test equipment.

Q The reason for this application is because these two zones have not been dualled in this immediate vicinity, is that correct?

A Yes, sir. We asked for administrative approval, but it was turned down on the basis that there were no wells



DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

ALBUQUERQUE, N. M.
PHONE 243-6631

completed in these same two zones within a mile.

Q Have you utilized this same type of dual completion under order of the Commission?

A Yes, sir.

Q What zones were those completed in, if you recall?

A One zone was in the Langli-Mattix and the other in the Drinkard.

Q Were those at depths roughly corresponding to what you are talking about here?

A Not quite so deep. The Langli-Mattix at approximately 4,000 feet and the Drinkard approximately 7,000 feet.

Q Did you have the same type installation approved in another case?

A Yes, sir, we did.

Q And, unfortunately, the well didn't come in in both zones?

A It was a proposed 9500 foot well, and this same procedure was approved, but unfortunately we made a dry hole.

Q Would you anticipate any problems with this type of installation?

A We anticipate problems all right, but we don't anticipate any that we can not handle.

Q Those would be in the nature of what?



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PHONE 243-6691

A Either corrosion or paraffin or heavy water production.

Q You could handle any of those that might occur?

A Yes.

Q Do you have any reason to anticipate corrosion problems?

A Well, this is our first venture in this field, and our experience and our information is limited. We have found out that there is possibly heavy paraffin problems that might occur from the Fusselman. However, we don't anticipate any problem that we can't handle.

Q Is there anything else you would care to state with relation to the application of the proposed installation?

A No, sir.

Q Was Exhibit 1 prepared by you?

A Yes, sir.

MR. BRATTON: We would offer applicant's Exhibit No. 1, and we have no further questions of Mr. Bevill.

MR. NUTTER: Applicant's Exhibit No. 1 will be admitted in evidence. Does anyone have any questions of Mr. Bevill?

CROSS EXAMINATION

BY MR. NUTTER:

Q Is this in the general area known as the North Justis Field?



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A I don't know that it has been designated as North Justis, but I understand that that is under consideration.

Q This is North of the Justis area by a mile or two, however, isn't it?

A Yes, sir.

Q Mr. Bevill, do you have any bottom hole information on either of these zones?

A No, sir, I don't. I understand, I don't have any exact information on it.

Q Do you have any knowledge of the pressures that you'll encounter in either zone?

A Only what was stated yesterday by Texaco, and I'm sure that, as well as I remember, they stated that the bottom hole pressures in the Ellenburger, which are the highest bottom hole pressures, are in the neighborhood of 2700 pounds.

Q How about the Fusselman, do you have any idea of pressure in that?

A No, sir, I don't.

Q Do you have any knowledge of the gas-oil ratios that will be encountered in either of these formations?

A Only from Texaco. They expect a ratio in the neighborhood of 1,000 cubic feet from the Ellenburger, and from the Fusselman approximately 1100.



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Q How about gravities, do you have any knowledge of the gravities in either of these zones?

A Only what they stated, Ellenburger from 40 to 45 degrees and Fusselman 37 degrees.

Q What depth do you expect to encounter the Fusselman here?

A Approximately 7,000 feet.

Q And the Ellenburger approximately 8600?

A 8600.

Q You will directionally perforate the 2 7/8ths inch casing?

A Yes, sir.

MR. NUTTER: Any further questions of Mr. Bevill? He may be excused.

(Witness excused.)

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

MR. BRATTON: No, sir.

MR. NUTTER: Does anyone have anything further to offer in Case 2418? We'll take the case under advisement and call Case 2419.



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STATE OF NEW MEXICO)
) ss
COUNTY OF BERNALILLO)

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

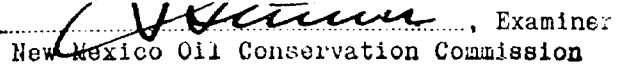
IN WITNESS WHEREOF I have affixed my hand and notarial seal this 2nd day of November, 1961.


Notary Public-Court Reporter

My commission expires:

June 19, 1963.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 2418, heard by me on 10/25, 1961.

, Examiner
New Mexico Oil Conservation Commission

