

CASE 2066: Application of HUMBLE OIL
REFG. CO. FOR AN OIL-GAS DUAL of
its KATHLEEN STECKEL WELL NO. 1.

Case No.

2066

Application, Transcript,
Small 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:**

**CASH No. 2066
Order No. R-1769**

**APPLICATION OF MUMBLE OIL & REFINING
COMPANY FOR A "SLIM-HOLE" OIL-GAS DUAL
COMPLETION IN AN UNDESIGNATED ABO POOL
AND IN AN UNDESIGNATED PENNSYLVANIAN
POOL, BIRDY COUNTY, NEW MEXICO.**

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on September 7, 1960, at Santa Fe, New Mexico, before Elvin 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 16th day of September, 1960, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Elvin 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, Mumble Oil & Refining Company, is the owner and operator of the Kathleen Stachel Well No. 1, located in the NW/4 NE/4 of Section 19, Township 18 South, Range 27 East, BIRM, Birdy County, New Mexico.

(3) That the applicant proposes to dually complete the said Kathleen Stachel Well No. 1 in such a manner as to permit the production of oil from an undesignated Abo pool and the production of gas from an undesignated Pennsylvanian pool through parallel strings of 4-1/2 inch casing and 2-7/8 inch casing, respectively, cemented in a common well bore. Applicant proposes to produce the Abo oil through tubing, 2 inches in diameter or greater, installed within the 4-1/2 inch casing.

(4) That as an alternative to the above-described installation, the applicant proposes to produce Abo oil through 2-7/8 inch casing set at 5500 feet and Pennsylvanian gas through tubing, 2 inches in diameter or greater, installed within 4-1/2 inch casing set at 9500 feet.

CASH No. 2066
Order No. R-1769

(5) That in order to protect the productive horizons, cement should extend from total depth of 9500 feet to a point 600 feet above the top of the uppermost pay zone.

(6) That centralizers or turbolizers should be installed at 30-foot intervals throughout the Abo and Pennsylvanian formations and to a point 100 feet above said formations.

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

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

IT IS THEREFORE ORDERED:

That the applicant, Humble Oil & Refining Company, be and the same is hereby authorized to duly complete its Kathleen Stachel Well No. 1, located in the NW/4 NE/4 of Section 19, Township 18 South, Range 27 East, NMRM, Eddy County, New Mexico, in such a manner as to permit the production of oil from an undesignated Abo pool through tubing 2 inches in diameter or greater installed within 4-1/2 inch casing and the production of gas from an undesignated Pennsylvanian pool through a parallel string of 2-7/8 inch casing cemented in a common well bore.

PROVIDED HOWEVER, That cement shall extend from total depth of 9500 feet to a point 600 feet above the uppermost pay zone.

PROVIDED FURTHER, That centralizers or turbolizers shall be installed at 30-foot intervals throughout the Abo and Pennsylvanian formations and to a point 100 feet above said formations.

PROVIDED FURTHER, That the applicant shall take communication tests upon completion and annually thereafter during the Gas-Oil Ratio Test Period for this particular Abo pool.

PROVIDED FURTHER, That should the applicant desire to produce Abo oil through 2-7/8 inch casing set at 5500 feet and Pennsylvanian gas through tubing 2 inches in diameter or greater installed within 4-1/2 inch casing set at 9500 feet rather than follow the installation approved by this Order, administrative approval by the Secretary-Director of the Commission of such alternate installation may be obtained without notice and hearing where an application has been filed with the Secretary-Director of the Commission, and (1) where proof is made that all offset operators have been notified of the application by registered mail and no objection has been received within 20 days following the mailing of such notice, or (2) where written waivers of objection from all offset operators are filed with the Secretary-Director of the Commission.

-3-

CASE No. 2066
Order No. R-1769

IT IS FURTHER ORDERED:

That jurisdiction of this cause is hereby retained by the Commission for such further order or orders as may seem necessary or convenient for the prevention of waste and/or the protection of conservative rights; upon failure of the applicant to comply with any requirement of this Order, the Commission may terminate the authority herein granted and require the applicant or its successors and assigns to limit its activities to regular single-zone production in the interest of conservation.

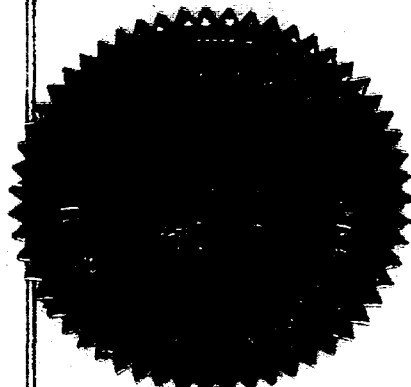
Done at Santa Fe, New Mexico, on the day and year hereinabove designated.

**STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION**

John B. Burroughs
JOHN BURROUGHS, Chairman

Murray E. Korman
MURRAY E. KORMAN, Member

A. L. Fournier, Jr.
A. L. FOURNIER, JR., Member & Secretary



esr/

GOVERNOR
JOHN BURROUGHS
CHAIRMAN

State of New Mexico
Oil Conservation Commission

LAND COMMISSIONER
MURRAY E. MORGAN
MEMBER



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

P. O. BOX 871
SANTA FE

September 16, 1960

Mr. Howard Bratton
Harvey, Dev & Rinkle
Box 547
Roswell, New Mexico

Re: Case No. 2066
Order No. R-1769
Applicant:

Humble Oil & Refining

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.,
Secretary-Director

ir/

Carbon copy of order also sent to:

Hobbs OCC X
Artesia OCC X
Aztec OCC

Other

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Date 9-8-60

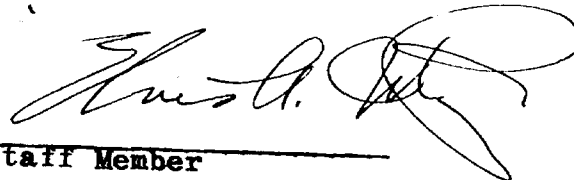
CASE NO. 2066

HEARING DATE 9-7-60

My recommendations for an order in the above numbered case(s) are as follows:

1. Grant Humble's request for a slim hole dual for its Kathleen Stecker #1 - NWNE 19-185-27E.
4 1/2 inch casing, with tubing for production of oil in the Abo. Formation set @ 5500'.
2 3/8 casing to the Penn. formation set @ 9500'.
2. Two stage cementing will be run from 9500 to 600 ft. above the uppermost pay.
3. 9 3/8 set @ 1500 & circulated to surface.
4. Set up. Admin. approval the 4 1/2 to be run to 9500' and the 2 3/8 set @ 5500 ft. in event it is requested.

upon
notice
& wait
on
warrant


Staff Member

LAW OFFICES
HERVEY, DOW & HINKLE
HINKLE BUILDING
SANTA FE, NEW MEXICO
1980 AUG 23 AM 8:26
J. M. HERVEY 1974-1983
HIRAM M. DOW
CLARENCE E. HINKLE
W. E. BONDURANT, JR.
GEORGE H. HUNKER, JR.
HOWARD C. BRATTON
S. B. CHRISTENSEN
LEWIS C. COY, JR.
PAUL W. EATON, JR.
CONRAD E. COFFIELD

August 22, 1960

TELEPHONE MAIN 2-6510
POST OFFICE BOX 547

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

Re: Humble Dual Slim Hole
Application - September 7 Hearing

Dear Dan:

With relation to the Humble application for a slim hole dual completion of Humble's No. 1 Kathleen Steckel Well in the NW $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 19, T. 18 S., R. 27 E., please send me a copy of the notice for advertisement as you have sent it out.

Pursuant to your call of last Friday, I called Henry Meadows and suggested that he talk directly to you in order that you might get the necessary information direct and correct. In order to make the formal application coincide with the advertisement, I would appreciate it if you would send me a copy of the notice, and I will then mail the required formal application to you.

Thank you for taking care of this matter.

With best regards.

Very truly yours,

HERVEY, DOW & HINKLE

By

Howard Bratton
(Hb)

HCB:db

*File
Case 2066*

CASE 2066:

Application of Humble Oil & Refining Company for an oil-gas dual completion utilizing two strings of casing. Applicant, in the above-styled cause, seeks an order authorizing it to dually complete its Kathleen Steckel Well No. 1, located in the NW/4 NE/4 of Section 19, Township 18 South, Range 27 East, Eddy County, New Mexico, in such a manner as to produce oil from an undesignated Abo pool and gas from an undesignated Pennsylvanian pool through 4 1/4-inch casing and 2 7/8-inch casing respectively cemented in a common well bore. Applicant proposes also to install tubing for the Abo production.

CASE 2067:

Application of Dorfman Production Company for an oil-gas dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Elizabeth Federal Well No. 1, located in Unit H, Section 18, Township 24 North, Range 7 West, Rio Arriba County, New Mexico, in such a manner as to permit the production of oil from the Escrito-Gallup Oil Pool and the production of gas from the Dakota Producing Interval.

CASE 2068:

Application of Gulf Oil Corporation for three non-standard gas proration units in the Jalmat Gas Pool. Applicant, in the above-styled cause, seeks an order establishing the following-described non-standard gas proration units in the Jalmat Gas Pool, Lea County, New Mexico:

(1) A 320-acre unit consisting of the E/2 of Section 4, Township 22 South, Range 36 East, to be dedicated to the J. F. Janda "F" Well No. 13, located 660 feet from the South and East lines of said Section 4.

(2) A 480-acre unit consisting of the SE/4 of Section 33 and the SW/4 of Section 34, both in Township 21 South, Range 36 East and the NW/4 of Section 3, Township 22 South, Range 36 East, to be dedicated to its W. A. Ramsay "A" Well No. 1, located 330 feet from the South and West lines of said Section 34.

(3) A 160-acre unit consisting of the SW/4 of Section 4, Township 22 South, Range 36 East, to be dedicated to the J. F. Janda "F" Well No. 7, located 1980 feet from the South and West lines of said Section 4.

DOCKET: EXAMINER HEARING, WEDNESDAY, SEPTEMBER 7, 1960

Oil Conservation Commission - 9 a.m., Mabry Hall, State Capitol, Santa Fe, N.M.
The following cases will be heard before Elvis A. Utz, Examiner, or Oliver E. Payne, Attorney, as alternate examiner:

CASE 2062: Application of Continental Oil Company for approval of an automatic custody transfer system to handle commingled production. Applicant, in the above-styled cause, seeks an order authorizing it to install an automatic custody transfer system to handle the production from the Weir Pool and the Cass Pool from certain wells located on that portion of the Southeast Monument Unit comprising Sections 15 and 23, Township 20 South, Range 37 East, Lea County, New Mexico.

CASE 2063: Application of Texas National Petroleum Company for a gas-oil dual completion utilizing two strings of casing. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Government Well No. 1, to be located 790 feet from the South and East lines of Section 16, Township 26 North, Range 11 West, San Juan County, New Mexico, in such a manner as to permit the production of oil from the Gallegos-Gallup Oil Pool and the production of gas from the Dakota Producing Interval through parallel strings of 2 7/8-inch tubing and 4 1/2-inch casing respectively cemented in a common well bore. Applicant proposes to also install 2 3/8-inch tubing for the Dakota production.

CASE 2064: Application of Anderson-Prichard Oil Corporation and Amerada Petroleum Corporation for an extension of the vertical limits of the Justis-Drinkard Pool. Applicants, in the above-styled cause, seeks an order extending the vertical limits of the Justis-Drinkard Pool, to include the perforated intervals in its Carlson "A" Well Nos. 1 and 3, located respectively in Units J and N of Section 25, Township 25 South, Range 37 East, Lea County, New Mexico, and perhaps to include additional intervals in said pool.

CASE 2065: Application of Texaco Inc. for an oil-gas dual completion utilizing two strings of casing. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its H. J. Loe Federal "B" Well No. 3, located in Unit M, Section 23, Township 29 North, Range 12 West, San Juan County, New Mexico, in such a manner as to permit the production of oil from an undesignated Gallup oil pool and the production of gas from the Dakota Producing Interval through parallel strings of 2 3/8-inch casing and 4 1/2-inch casing respectively, cemented in a common well bore. Applicant proposes to also install tubing for the Dakota production.

MAIN OFFICE CCC
HIRAM M. DOW
CLARENCE E. HINKLE
1960 AUG 25 AM 8:53
J. S. BONOURANT, JR.
HOWARD G. HINKLE, JR.
S. B. CHRISTY IV
LEWIS C. COX, JR.
PAUL W. EATON, JR.
CONRAD E. COFFIELD

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

August 25, 1960

TELEPHONE MAIN 2-6510
POST OFFICE BOX 547

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

Attention: Mr. Daniel S. Nutter
Chief Engineer

Re: Examiner Hearing of September 7

Dear Dan:

Enclosed please find in triplicate Application of Humble for an oil-gas dual completion. This has been advertised as Case No. 2066 for the Examiner Hearing of Wednesday, September 7. Thank you for going ahead with the advertisement preceding the filing of this formal application.

My thanks also for the copy of the calculations going into the depth factor case.

With best personal regards.

Very truly yours,

HERVEY, DOW & HINKLE

By Howard (HJ)

HCB:db
cc: Mr. Henry Meadows
Attn: Mr. Willingham

J. M. HERVEY 1874-1963

HIRAM M. DOW
CLARENCE E. HINKLE
W. E. HINKLE, JR.
GEORGE H. HINKLE, JR.
HOWARD C. BRATTON
S. B. CHRISTY IV
LEWIS C. COX, JR.
PAUL W. EATON, JR.

CONRAD E. COFFIELD

MAIN OFFICE OCC

LAW OFFICES
HERVEY, DOW & HINKLE

HINKLE BUILDING

ROSWELL, NEW MEXICO

8:53

TELEPHONE MAIN 2-6510
POST OFFICE BOX 547

August 18, 1960

Re: APPLICATION OF HUMBLE OIL & REFINING
COMPANY FOR AUTHORIZATION TO DUALY
COMPLETE ITS KATHLEEN STECKEL WELL
NO. 1 IN THE NW $\frac{1}{4}$ NE $\frac{1}{4}$ OF SECTION 19,
TOWNSHIP 18 SOUTH, RANGE 27 EAST,
EDDY COUNTY, NEW MEXICO, FOR PRODUC-
TION OF OIL FROM AN UNDESIGNATED
ABO POOL THROUGH 4 $\frac{1}{2}$ -inch CASING WITH
TUBING AND PRODUCTION OF GAS FROM AN
UNDESIGNATED PENNSYLVANIAN POOL
THROUGH 2 7/8-inch CASING, BOTH
CASINGS CEMENTED IN A COMMON WELL
BORE

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

Comes now Humble Oil & Refining Company and applies to
dually complete its Kathleen Steckel Well No. 1 in the NW $\frac{1}{4}$ NE $\frac{1}{4}$
of Section 19, Township 18 South, Range 27 East, Eddy County,
New Mexico, in the following manner.

1. The well will be completed with 4 $\frac{1}{2}$ -inch casing with
tubing for production of oil from an undesignated Abo Pool,
and will be completed with 2 7/8-inch casing for production of
gas from an undesignated Pennsylvanian Pool. Both casings will
be cemented in a common well bore.


2. Applicant respectfully requests an exception to the
rules of the Oil Conservation Commission to permit the
completion of the above well in the above described manner.

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3. It is requested that this application be set down for hearing before the Oil Conservation Commission at the first available Examiner hearing.

Respectfully submitted,

HUMBLE OIL & REFINING COMPANY

By 
Hervey, Dow & Hinkle
P. O. Box 547
Roswell, New Mexico

Attorneys for Applicant, Humble Oil &
Refining Company

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

In the Matter of:

CASE 2066 Application of the Humble Oil & Refining Company for an oil-gas dual completion utilizing two strings of casing. Applicant, in the above-styled cause, seeks an order authorizing it to dually complete its Kathleen Steckel Well No. 1, located in the NW/4 NE/4 of Section 19, Township 18 South, Range 27 East, Eddy County, New Mexico, in such a manner as to produce oil from an undesignated Abo pool and gas from an undesignated Pennsylvanian pool through 4½-inch casing and 2 7/8-inch casing respectively cemented in a common well bore. Applicant proposes also to install tubing for the Abo production.

Mabry Hall
September 7, 1960

BEFORE:

Elvis A. Utz, Examiner.

TRANSCRIPT OF PROCEEDINGS

MR. UTZ: Case 2066.

MR. PAYNE: Case 2066, "Application of Humble Oil & Refining Company for an oil-gas dual completion utilizing two strings of casing."

MR. BRATTON: Howard Bratton, Roswell, New Mexico, appearing on behalf of the Applicant. We have one witness and ask that he be sworn.

(Witness sworn in.)



I N D E X

WITNESS

PAGE

J. E. WILLINGHAM

Direct Examination by Mr. Bratton
Examination by Mr. Utz

3
7

DEARNLEY-MEIER REPORTING SERVICE, Inc.

ALBUQUERQUE, NEW MEXICO

PHONE CH 3-6691



(Thereupon, the documents were marked as Applicant's Exhibits One, Two and Three for identification.)

J. E. WILLINGHAM

a witness, called by and on behalf of the Applicant, having first been duly sworn, was examined and testified as follows:

DIRECT EXAMINATION

BY MR. BRATTON:

Q Will you state your name, address, and by whom you are employed?

A J. E. Willingham, I live in Midland, Texas, I am employed by the Humble Oil and Refining Company.

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

A Yes sir, I have.

Q Are you familiar with the area under consideration in Case 2066 and the well involved in that application?

A Yes sir, I am.

Q Will you state what Humble's request is in Case 2066?

A Basically, without going into minute details, we are planning to set 2 7/8 inch casing at 9500 feet as one string, and 4 1/2-inch casing at 5500 feet as another string, the upper string of 4 1/2 being in the Abo, the lower 2 3/8 in the Bend.

Q Referring to Humble's Exhibit Number One, does it show the location of the well in question?



DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO

A Yes, this is a map that shows the location.

Q Where is that location?

A It's located in Eddy County, Texas --

Q Where was that?

A Excuse me, Eddy County, New Mexico, in Section 19, T 18 S,
R 27 E.

Q The location of the well in the section is what?

A It's 660 feet from the north line and 1980 feet from the
east line.

Q All right, sir. Now, refer to Humble's Exhibit Number
Two, which is headed, "Humble Plan Number One, and state what that
is.

A This is a sample diagrammatic sketch of the installation
as planned. Actually, this well is already started. We have already
set 13 3/8. We were in a river bottom and instead of setting it
at fifty feet, we had to set it at 115, and we will set 9 5/8-inch
casing at 1500 feet and drill an 8 3/4-inch hole below, and we
have set 4 1/2 and 2 7/8 as I have previously outlined.

Q All right, sir. What is your cementing program and
centralizing program?

A We will cement the casing through both strings since the
two formations are quite a distance apart, and we will bring the
cement on the 2 7/8-inch casing up to the bottom of the 4 1/2, and
we will cement from the bottom of the 4 1/2 and bring the cement
600 feet above the uppermost pay.



Q This is a wildcat well both as to the Abo oil and as to the Pennsylvanian Bend gas?

A Yes, sir; actually, I didn't answer all of the question. We will centralize through all pays.

Q Excuse me. What type of centralizers have you decided to use, Mr. Willingham?

A We will either use turbolizers or just spiral-type stabilizers. There are several kinds on the market now that could be used; I hate to be tied down to one particular manufacturer because there's so many on the market.

Q And satisfactory, in your opinion?

A Yes, sir.

Q Now, you are anticipating a Pennsylvania Bend gas at approximately 9500 feet?

A Yes, sir, that is correct.

Q And Abo oil at approximately 5500 feet?

A That's correct.

Q Do you have anything else you care to say with relation to your proposed plan?

A No sir, I believe not. I think this is standard, it is what we have used in the past, and we have many installations like this in Texas and we have some in New Mexico, we have one in New Mexico and another one drilling similar to this one.

Q Do you propose tubing in your Abo?

A There will be tubing in the Abo, yes sir.

DEARNLEY-MEIER REPORTING SERVICE, Inc.

ALBUQUERQUE, NEW MEXICO

PHONE CH 3-6691



Q All right, sir. Now, refer to your Exhibit Number Three, Mr. Willingham, and explain what that is, and --

A Exhibit Number Three is--we are presenting to the Commission not as a request, but this is a wildcat and we can't always ascertain what our exact conditions would be, and if we don't obtain a high volume gas well, we may want to switch the 4 1/2 and set it at 9500 and set the 2 7/8 up high.

Q This is just presented as an alternative in case the Commission should be interested as to what you would propose in the event you got a high volume gas well?

A Yes, sir.

Q In your opinion, would Plan Number Two work satisfactorily in the event you should encounter that situation?

A Yes sir, it would.

Q Other than the switching of the two strings of casing, it would be --

A Basically the same.

Q --basically the same thing?

A Yes.

Q Is there any other information which you would care to present to the Commission in connection with this proposal, Mr. Willingham?

A No sir, I believe that all the information and the details were presented in the past, and I don't believe the Commission would want to be bothered with it.



Q Were Exhibits One through Three prepared by you or under your supervision?

A Yes sir, they were.

MR. BRATTON: We would offer Humble's Exhibits One through Three in evidence.

MR. UTZ: Without objection, Humble's Exhibits One through Three will be entered into the record.

MR. BRATTON: We have no further questions at this time.

EXAMINATION BY MR. UTZ:

Q As I understand your cementing program, Mr. Willingham, you will have cement from TD to 600 feet above the uppermost pay of the two stages?

A Yes sir, that's true.

Q And you don't anticipate any producing zones or portable water zones between 115 feet and 600 feet above the uppermost pay?

A If you will notice, we are setting 9 5/8 at 1500. This 13 3/8 was set in the river bottom because of the work in the dirt formation.

Q Well, then I'll alter the inquiry to be from 600 feet above the uppermost pay to 1500 feet?

A We do not anticipate any water.

Q And you will be able to artificially lift, in case need be, your zone?

A Absolutely.

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



MR. PAYNE: Mr. Willingham, the case was advertised for Plan Number One only; it might be possible, however, to set up an administrative procedure in the event of approval whereby Plan Number Two could be approved upon notification of offset operators.

MR. BRATTON: If the Commission could, we would request that such an administrative approval be placed in the order, if the Commission sees it possible.

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

(Witness excused.)

MR. UTZ: Are there other statements in this case? If not, this case will be taken under advisement. We will take a ten-minute break.

(Short recess.)

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6591

ALBUQUERQUE, NEW MEXICO



DEARNLEY-MEIER REPORTING SERVICE, Inc.

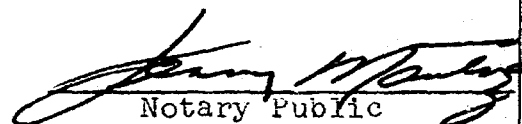
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ALBUQUERQUE, NEW MEXICO

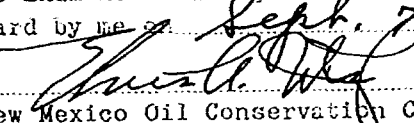
STATE OF NEW MEXICO)
: ss
COUNTY OF BERNALILLO)

I, JERRY MARTINEZ, Notary Public in and for the County of Santa Fe, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Proceedings was reported by me in Stenotype and reduced to typewritten transcript by me, and that the same is a true and correct record of said proceedings to the best of my knowledge, skill and ability.

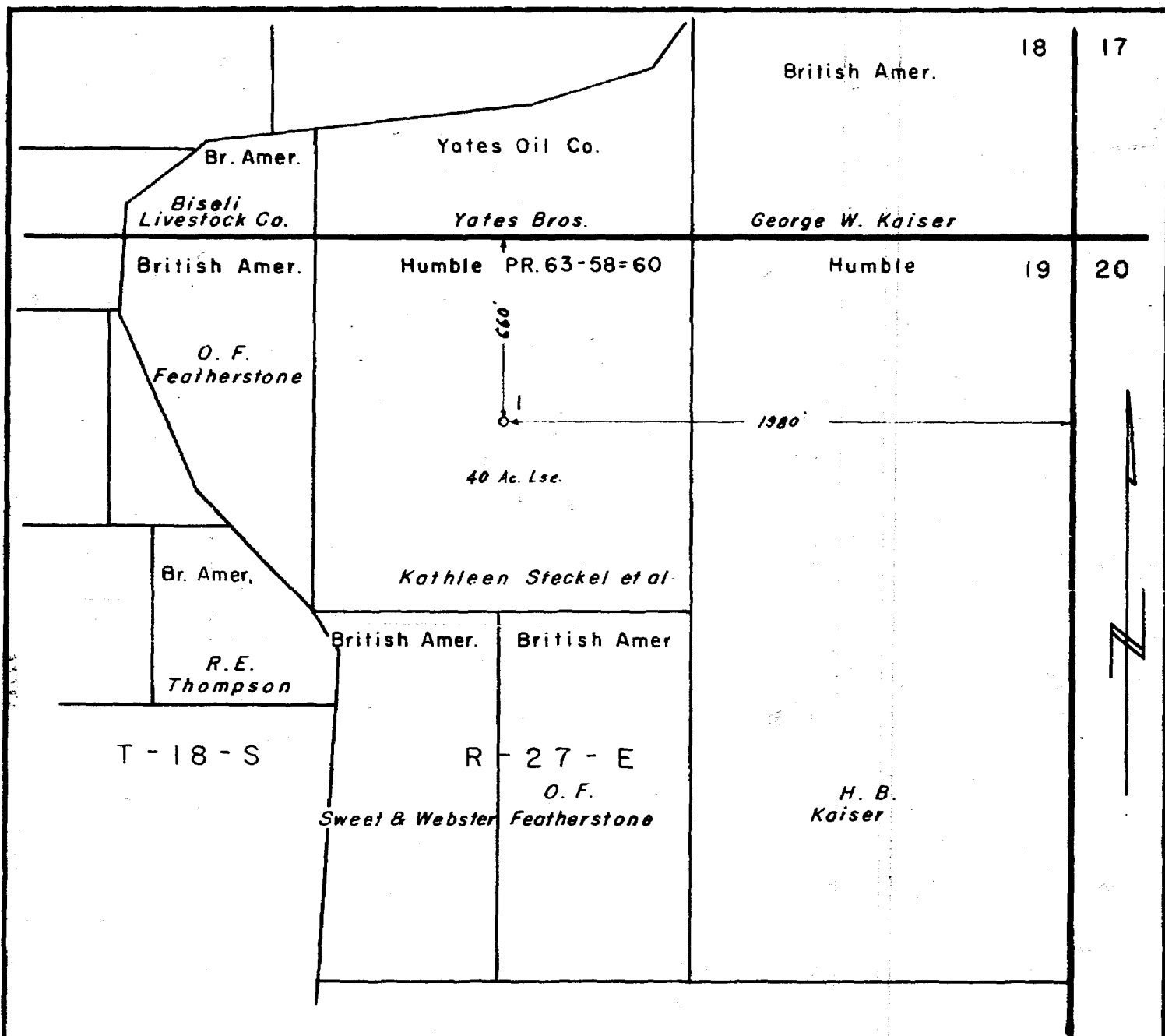
Dated at Albuquerque, New Mexico, this 10th day of September, 1960.


Notary Public

My Commission Expires:
January 24, 1962

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 2066, heard by me on Sept. 7, 1960.
, Examiner
New Mexico Oil Conservation Commission





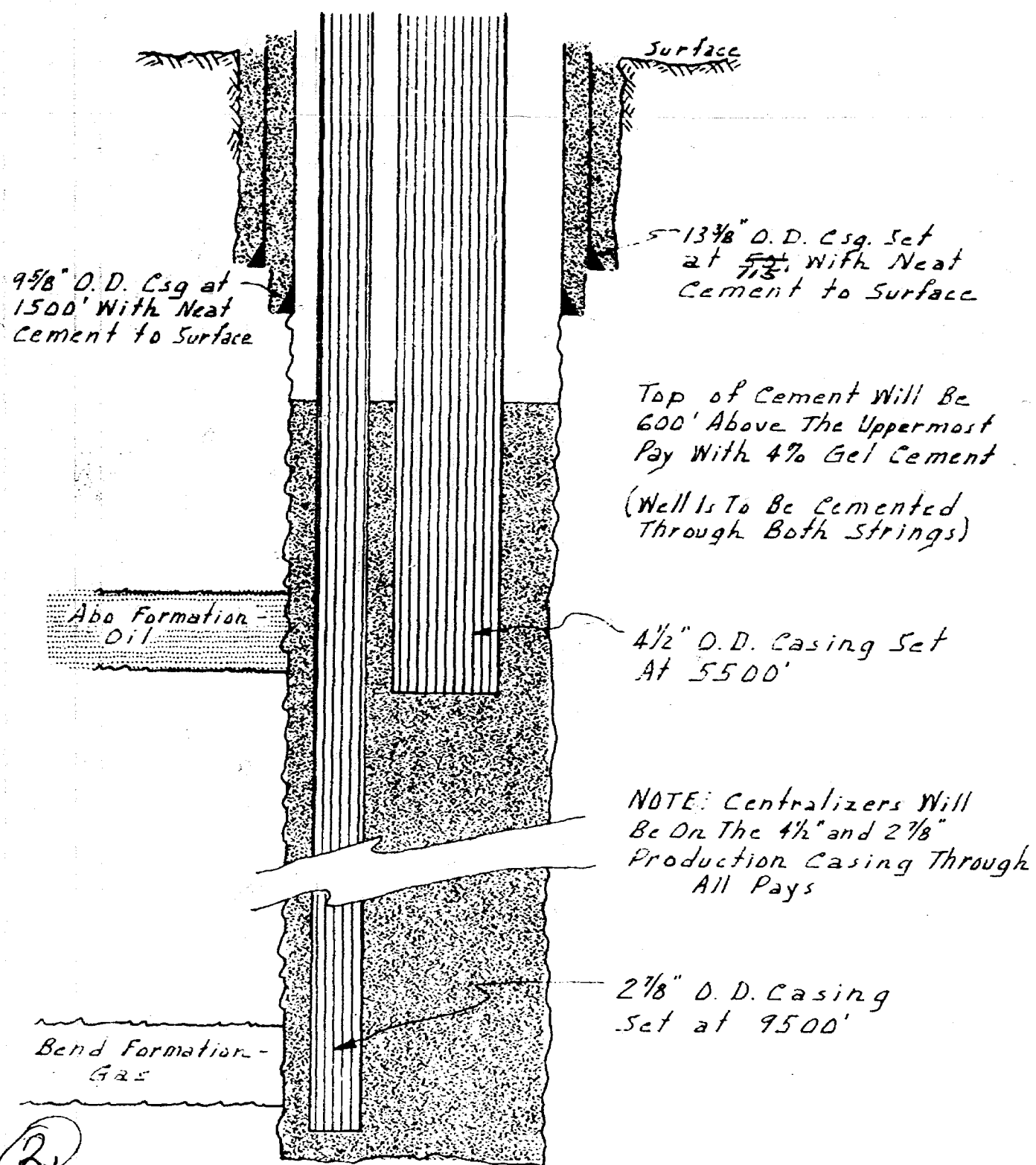
"LEASE DESIGNATION PLAT"

KATHLEEN STECKEL ET AL-PR 63-58-60	
SECTION 19, T-18-S R-27-E	
EDDY CO., NEW MEXICO	
HUMBLE OIL & REFINING COMPANY	
PRODUCTION DEPARTMENT	
MIDLAND, TEXAS	
CIVIL ENG. DIV.	SCALE 1" = 500'
PRIMARY DESIGN BY	DATE 8-19-60
DRAWN BY D. L. MCKIBBIN	CIVIL ENG. DIV.
CHECKED BY	FILE NO.
APPROVED BY	W-A 2975
REVISED	

RED LAKE AREA WILDCAT

12 MILES S.E. OF ARTESIA

PLAN - 1
KATHLEEN STECKEL



PLAN - 2
KATHLEEN STECKEL

