

CASE 2685: Application of GULF OIL  
CORP. for authority to complete its  
GRAHAM STATE (NCT-I) WELL NO. 2.

2685

tion, Transcript,  
Exhib. 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. 2685  
Order No. R-2371

APPLICATION OF GULF OIL CORPORATION  
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 November 8, 1962, at Santa Fe, New Mexico, before Daniel S. Mutter, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 21st day of November, 1962, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Mutter, 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, Gulf Oil Corporation, seeks authority to complete its Graham State (NCT-I) Well No. 2, located in Unit L of Section 19, Township 21 South, Range 37 East, NMPN, Lea County, New Mexico, as a triple completion (conventional) to produce oil from the Paddock, Blinabry, and Drinkard Oil Pools through parallel strings of 2 3/8-inch tubing, separation of the zones to be achieved by means of packers set at approximately 5800 feet and 6600 feet.

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

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

IT IS THEREFORE ORDERED:

(1) That the applicant, Gulf Oil Corporation, is hereby authorized to complete its Graham State (NCT-I) Well No. 2, located in Unit L of Section 19, Township 21 South, Range 37 East,

-2-

CASE No. 2685

Order No. R-2371

EMPM, Lea County, New Mexico, as a triple completion (conventional) to produce oil from the Paddock, Blinbry, and Drinkard Oil Pools through parallel strings of 2 3/8-inch tubing, separation of the zones to be achieved by means of packers set at approximately 5800 feet and 6600 feet.

PROVIDED HOWEVER, That the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A of the Commission Rules and Regulations insofar as said rule is not inconsistent with this order.

PROVIDED FURTHER, That the applicant shall take packer-leakage tests upon completion and annually thereafter during the Gas-Oil Ratio Test Period for the Drinkard Oil Pool.

(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



*E. L. Mechem*

EDWIN L. MECHAM, Chairman

*E. S. Walker*

E. S. WALKER, Member

*A. L. Porter, Jr.*

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

esr/

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

CASE

2685

Hearing Date

Date

11/9/62

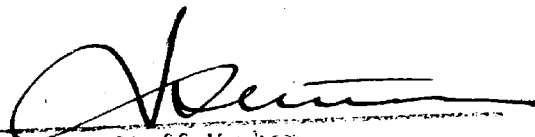
9am 11/8/62

DSN @ SF

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

Approve Paul's Triple Completion  
(conventional) of its Graham State  
(NCT-I) # 2, L-19-215-37E L&LO  
to produce oil from the Paddock,  
Brierley & Drinkard ~~poles~~  
~~formate~~ Poles through 11 strings  
of 2 3/4" tubing. Separation is to  
be achieved by means of packers  
set at approx 5800' & 6600'

Jacker & Kay tests upon compl.  
& annually thereafter during GOR  
test period for the Drinkard Pool.

  
Staff Member

DOCKET: EXAMINER HEARING - THURSDAY - NOVEMBER 8, 1962

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, alternate examiner:

- CASE 2682: Application of Pan American Petroleum Corporation for the creation of a new pool and the establishment of special rules and regulations, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new oil pool to be designated the Simpson-Gallup Oil Pool comprising the S/2 of Section 23, SW/4 of Section 24, N/2 of Section 25, and the NE/4 of Section 26, Township 28 North, Range 12 West, San Juan County, New Mexico. Applicant further seeks the establishment of special pool rules including the provisions for 80-acre proration units.
- CASE 2683: Application of Curtis R. Inman for approval of a unit agreement, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Carnero Peak Unit Area comprising 12,151 acres, more or less, of State, Federal and Fee lands in Townships 22 and 23 South, Ranges 24 and 25 East, Eddy County, New Mexico.
- CASE 2684: Application of Gulf Oil Corporation for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to complete its H. T. Mattern (NCT-A) Well No. 3, located in Unit P of Section 24, Township 21 South, Range 36 East, Lea County, New Mexico, as a triple completion (conventional) to produce oil from the Paddock, Blinebry, and Drinkard Oil Pools through parallel strings of tubing.
- CASE 2685: Application of Gulf Oil Corporation for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to complete its Graham State (NCT-I) Well No. 2 located in Unit L of Section 19, Township 21 South, Range 37 East, Lea County, New Mexico, as a triple completion (conventional) to produce oil from the Paddock, Blinebry, and Drinkard Oil Pools through parallel strings of tubing.
- CASE 2686: Application of Marathon Oil Company for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to complete its State Hansen Well No. 5, located in Unit H of Section 16, Township 20 South, Range 37 East, Lea County, New Mexico, as a dual completion

CASE 2686 (Cont.)

(conventional), to produce oil from the Weir-Blinebry and Monument-Tubb Pools through parallel strings of 1.41 ID and 2-inch ID tubing.

CASE 2687:

Application of Shell Oil Company for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to complete its Emerald Unit Well No. 1 located in Unit C of Section 23, Township 16 South, Range 32 East, Lea County, New Mexico as a dual completion (Conventional) to produce oil from the Penrose and Wolfcamp formations through parallel strings of tubing.

CASE 2688:

Application of Socony Mobil Oil Company for a quadruple Completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to complete its State Bridges Well No. 95 located in Unit P of Section 26, Township 17 South, Range 34 East, Lea County, New Mexico, as a quadruple completion (conventional) to produce oil from the Abo, Wolfcamp, Pennsylvanian and Devonian formations through parallel strings of tubing.

CASE 2689:

Application of Socony Mobil Oil Company for a dual completion and certain administrative procedures, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to complete its State Bridges Well No. 27-DD located in Unit H of Section 26, Township 17 South, Range 34 East, Lea County, New Mexico as a dual completion (conventional) to produce oil from the Vacuum (San Andres) Pool and an undesignated Yeso pool through parallel strings of 2 3/8 inch and 2 3/8 x 1 1/4 inch tapered tubing strings. Applicant further seeks the establishment of administrative procedures whereby similar dual completions could be approved in this area.

CASE 2690:

Application of Phillips Petroleum Company for a special allowable, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order authorizing the assignment of a special allowable to its Mexco "A" Well No. 2, located in Unit I of Section 2, Township 17 South, Range 32 East, Maljamar Pool, Lea County, New Mexico. Said well offsets and has received a response from Boller and Nichols Water-flood project in said Section 2.

- CASE 2691: Application of El Paso Natural Gas Company for the creation of a new gas pool and establishment of special rules and regulations, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new gas pool for the Morrow formation underlying Sections 18, 19, 20, and 29, Township 19 South, Range 32 East, Lea County, New Mexico. Applicant further seeks establishment of special pool rules including provisions for 640-acre proration units and the allocation of allowables to non-marginal wells in the proportion that each well's acreage factor bears to the total of the acreage factors for all non-marginal wells in the pool.
- CASE 2692: Application of Amerada Petroleum Corporation for an exception to a Commission shut-in order, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Rule 15 (A) Order R-1670, Southeast New Mexico Gas Proration Rules and Regulations, to permit its Shell-Amerada State "A" Unit Well No. 1 located in Unit P, Section 33, Township 11 South, Range 33 East, Bagley-Lower Pennsylvanian Gas Pool, Lea County, New Mexico, to produce a minimum of 2000 MCF per month in exception to an overproduction shut-in notice.
- CASE 2693: Application of NWJ Producing Company for an unorthodox location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of an unorthodox oil well location 330 feet from the South and West lines of Section 14, Township 15 South, Range 38 East, Medicine Rock-Devonian Pool, Lea County, New Mexico, in exception to Rule 3, Order R-2315, Medicine Rock-Devonian Pool Rules.
- CASE 2694: Application of Southern Union Production Company for an amendment to the Northwest New Mexico Gas Proration Rules and Regulations. Applicant, in the above-styled cause, seeks an amendment to Order R-1670 as amended by Order No. R-2086, Rules and Regulations for Prorated Gas Pools, San Juan, Rio Arriba, McKinley and Sandoval Counties, New Mexico, to permit wells ordered shut-in for extended periods to make up accumulated overproduction to produce a minimum of 500 MCF each month during such shut-in.
- CASE 2695: In the matter of the hearing called on the motion of the Oil Conservation Commission to consider revising Commission Orders R-333-C & D and R-333-E as the same relate to the season for taking Northwest New Mexico gas well deliverability tests and to the procedure for taking and calculating such tests, San Juan, Rio Arriba, McKinley and Sandoval Counties, New Mexico.



-4-

Docket No. 32-62

CASE 2670: (Cont)

Application of Elwyn C. Hale for a quadruple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the quadruple completion (combination) of his Hale State Well No. 3, located in Unit H of Section 2, Township 25 South, Range 37 East, Lea County, New Mexico, in such a manner as to produce oil from the Devonian, McKee, Waddell and Ellenburger Pools, North Justis Field, through two strings of 2 7/8 inch casing and two strings of 3 1/2 inch casing all cemented in a common well bore.

199/

# Gulf Oil Corporation

ROSWELL PRODUCTION DISTRICT

**W. B. Hopkins**

~~W. A. Chetani~~  
DISTRICT MANAGER

**F. O. Mortlock**  
DISTRICT EXPLORATION  
MANAGER

**M. I. Taylor**  
DISTRICT PRODUCTION  
MANAGER

**H. C. Vivian**  
DISTRICT SERVICES MANAGER

October 4, 1962

*Coz 2685*  
P. O. Drawer 1938  
Roswell, New Mexico

Oil Conservation Commission  
State of New Mexico  
Post Office Box 871  
Santa Fe, New Mexico

Re: Application of Gulf Oil Corporation for Approval  
of a Triple Completion (Conventional) in the  
Paddock, Blinebry and Drinkard Oil Pools, Lea  
County, New Mexico

Gentlemen:

Gulf Oil Corporation herewith submits application for approval of a triple completion (conventional) for the Graham State (NCT-I) Well No. 2 to be located 1980 feet from the south line and 660 feet from the west line of Section 19, Township 21 South, Range 37 East, Lea County, New Mexico. It is proposed to complete this well in the Paddock, Blinebry and Drinkard Oil Pools and to produce each zone through parallel strings of 2-3/8" O.D. tubing installed in 7" casing.

Attached are Application for Multiple Completion, lease plat and diagrammatic sketch of the proposed multiple completion.

It is requested that this matter be set for Examiner Hearing at an early date.

Respectfully submitted,

*M. I. Taylor*  
M. I. Taylor

Attachments  
JHH:dch

cc: New Mexico Oil Conservation Commission  
Post Office Box 2045  
Hobbs, New Mexico

Offset Operators  
(Listed on Application for Multiple Completion)



DOCKET MAILED

Date 10-26-62  
*N*

## NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

## APPLICATION FOR MULTIPLE COMPLETION

Case  
2685-1-61

Operator Gulf Oil Corporation		County Lea		Date October 4, 1962
Address Post Office Drawer 1938, Roswell, N. M.		Lease Graham State (NCT-I)		Well No. 2
Location of Well	Unit L	Section 19	Township 21S	Range 37E

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES X NO \_\_\_\_\_

2. If answer is yes, identify one such instance: Order No. R-2230; Operator, Lease, and Well No.:

Pan American Petroleum Corporation State "CK" Well No. 2

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Paddock	Blinebry	Drinkard
b. Top and Bottom of Pay Section (Perforations) (approx)	5160' - 5170'	5830' - 5910'	6635' - 6660'
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.

No 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.

Amerada Petroleum Corporation, Post Office Box 2040, Tulsa, Oklahoma

Pan American Petroleum Corporation, Post Office Box 268, Lubbock, Texas

Texaco, Inc., Post Office Box 3109, Midland, Texas

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 October 4, 1962.

CERTIFICATE: I, the undersigned, state that I am the District Production Manager of the Gulf Oil Corporation (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.

M. J. Taylor  
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.

T-21-S R-36-E

T-21-S R-37-E



PLAT

GRAHAM STATE (NCT-I) LEASE

Lea County, New Mexico

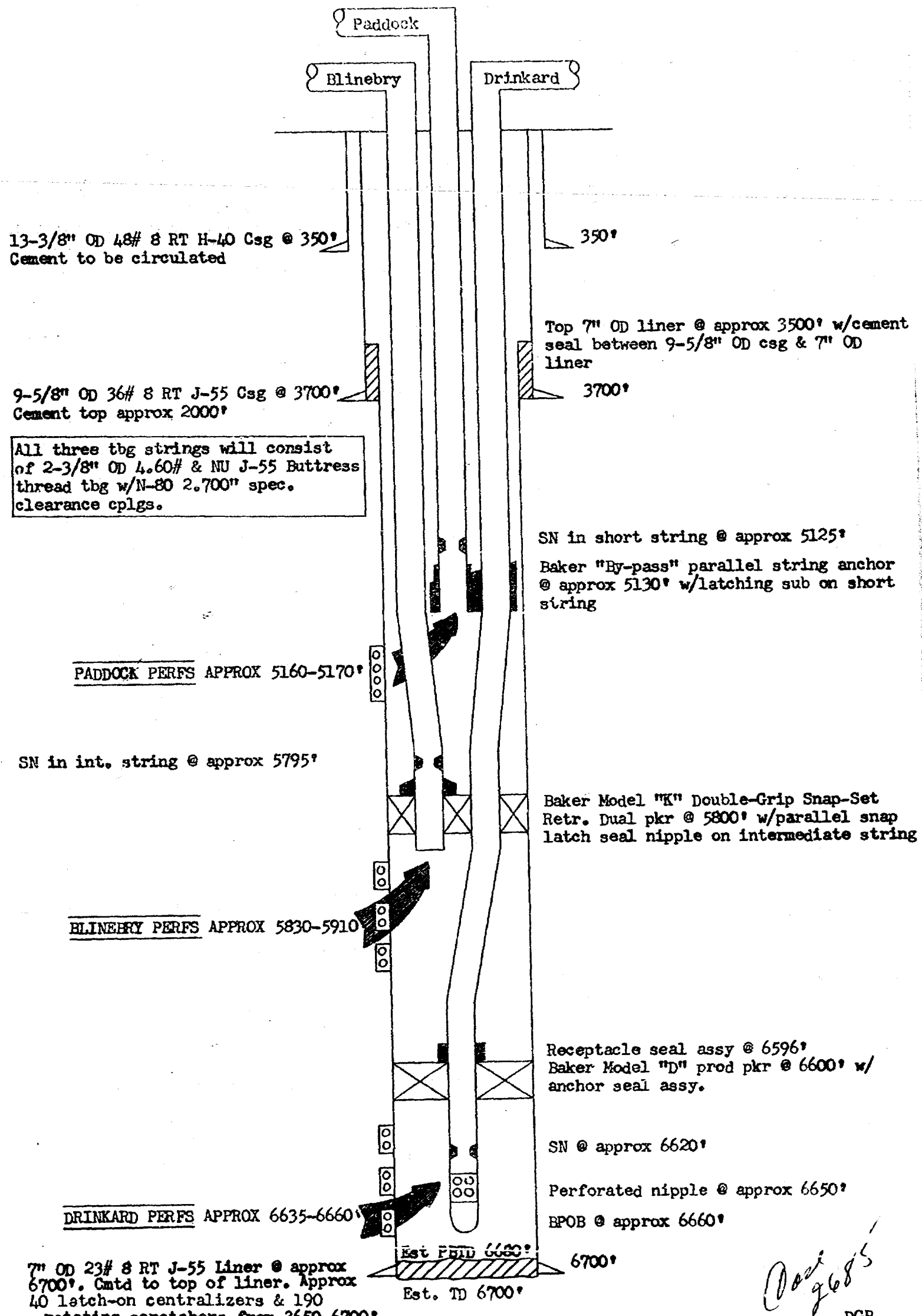
- LEGEND -

Pertinent Lease  
 Pertinent Well

Gulf Oil Corporation

# SCHEMATIC DIAGRAM OF PROPOSED TRIPLE COMPLETION

GULF OIL CORPORATION  
GRAHAM STATE (NCT-1) NO. 2  
1980' FSL & 660' FWL SECTION 19-21S-37E, LEA COUNTY, N. M.



DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.  
PHONE 325-1182

SANTA FE, N. M.  
PHONE 983-3971

ALBUQUERQUE, N. M.  
PHONE 243-6691

BEFORE THE  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
November 8, 1962

IN THE MATTER OF:

Application of Gulf Oil Corporation for  
a triple completion, Lea County, New  
Mexico. Applicant, in the above-styled  
cause, seeks authority to complete its  
Graham State (NCT-I) Well No. 2 located  
in Unit L of Section 19, Township 21  
South, Range 37 East, Lea County, New  
Mexico, as a triple completion (conven-  
tional) to produce oil from the Paddock,  
Blinebry, and Drinkard Oil Pools through  
parallel strings of tubing.

CASE

NO. 2685

BEFORE:

Daniel S. Nutter, Examiner.

TRANSCRIPT OF PROCEEDINGS

MR. NUTTER: Next case will be Case 2685.

MR. DURETTE: Case 2685. Application of Gulf Oil Cor-  
poration for a triple completion, Lea County, New Mexico.

MR. KASTLER: Bill Kastler, appearing for Gulf Oil Cor-  
poration. Our witness is Mr. John H. Hoover.

\*\*\*\*\*

J O H N H. H O O V E R, a Witness, called by the Applicant,  
having been previously sworn, was examined and testified as follows:

DIRECT EXAMINATION

BY MR. KASTLER:



Q Mr. Hoover, are you the same witness who was sworn and gave the same testimony in the immediate preceding case?

A Yes, sir.

Q Would you please state what Gulf seeks in this Application Number 2685?

A We are requesting approval of a triple completion conventional for our Graham State "I" Well Number 2, in the Paddock, Blinebry and Drinkard Oil Pools.

Q Is this proposed triple completion similar to the triple completion just proposed in Case 2684?

A Yes, sir, it is; it is practically identical.

Q Have you prepared a lease plat showing the location of this well?

A Yes, sir. It's marked Exhibit Number 1.

Q Explain what Exhibit Number 1 shows.

A This shows the Graham State NCT-I lease outlined in red, and described as lots 3 and 4 of Section 19, Township 21 South, Range 37 East, Lea County, New Mexico. Well Number 2, or proposed Well Number 2 is circled in red; it is located 1980 feet from the south line, and 560 feet from the west line of this Section 19. I would like to point out to the Examiner the proximity of the Well Number 2 to the previous well just discussed, the Mattern "A" Number 3, and our Graham State "I" Number 1. I would like to also point out that the Well Number 2 is only a location, has not been drilled; therefore, we do not have a log for this well.

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.  
PHONE 325-1182

SANTA FE, N. M.  
PHONE 983-3971

ALBUQUERQUE, N. M.  
PHONE 243-6691



DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.  
PHONE 325-1192SANTA FE, N. M.  
PHONE 983-3971ALBUQUERQUE, N. M.  
PHONE 243-6691

Q For Exhibit Number 2 in this case, have you prepared a schematic diagram showing the method of completion, and is it identical in most respects to Exhibit Number 3 in Case 2684?

A Yes, sir, it's identical in so far as the proposed completion. Since the well has not been drilled, the footages, the proposed perforations, are all approximate, and the actual setting depths and the actual perforations of course will be determined when that well is drilled and it is logged. Otherwise, it is identical to the Mattern "A" Well Number 3.

MR. KASTLER: Mr. Examiner, in the interest of saving time, since the proposed mechanical installation in this well is identical to that proposed in Case 2684, which has just been heard, I would like to request that Mr. Hoover's testimony regarding Exhibit Number 3 in Case 2684 be incorporated into this record by reference, insofar as it applies to the physical installation and the bottom-hole pressures.

MR. NUTTER: Does that go as far as the casing, the cementing, tubing, and packer?

A No, sir; as far as the production tests, gravities, bottom-hole pressures which we might expect.

MR. NUTTER: I mean, Exhibit Number 2 in this case would indicate that the casing, cementing, tubing, packer installation in this well, would be similar to the previously discussed well?

A Yes, sir.

MR. NUTTER: Yes, sir, the testimony in the previous





**DEARNLEY-MEIER REPORTING SERVICE, Inc.**

FARMINGTON, N. M.  
PHONE 325-1182

SANTA FE, N. M.  
PHONE 983-3971

ALBUQUERQUE, N. M.  
PHONE 243-6691

case will be incorporated by reference in this case, Mr. Kastler.  
Do you have anything further then?

MR. KASTLER: Do you have anything further, Mr. Hoover?

A No, sir, I have not.

Q (By Mr. Kastler) If granted, will this triple completion prevent waste and protect correlative rights?

A Yes, sir.

Q Were Exhibits 1 and 2 prepared by you, or at your direction and under your supervision?

A Yes, sir.

MR. KASTLER: I would like to move that these exhibits be entered.

MR. NUTTER: Gulf's Exhibits 1 and 2 will be entered in evidence in this case.

MR. KASTLER: This completes our direct examination.

MR. NUTTER: Does anyone have any questions of Mr. Hoover?

(No response.)

MR. NUTTER: He may be excused. Do you have anything further, Mr. Kastler?

MR. KASTLER: No, I haven't, thank you.

MR. NUTTER: Does anyone have anything they wish to offer in Case 2685?

(No response.)

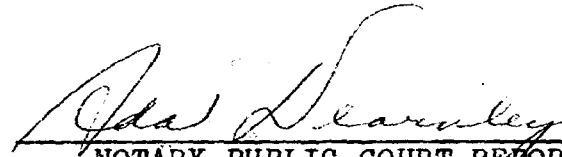
MR. NUTTER: We will take the case under advisement.



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 30<sup>th</sup> day of November, 1962.

  
 NOTARY PUBLIC-COURT REPORTER.

My Commission Expires:

June 19, 1963.

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.  
 PHONE 325-1182

SANTA FE, N. M.  
 PHONE 983-3971

ALBUQUERQUE, N. M.  
 PHONE 243-6691



## DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.  
PHONE 325-1182SANTA FE, N. M.  
PHONE 983-3971ALBUQUERQUE, N. M.  
PHONE 243-6691I N D E XWITNESSPAGE

JOHN H. HOOVER

Direct Examination by Mr. Kastler

2

E X H I B I T S

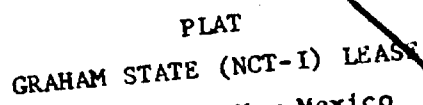
<u>NUMBER</u>	<u>EXHIBIT</u>	<u>MARKED</u>	<u>OFFERED</u>	<u>ADMITTED</u>
Gulf's #1	Lease Plat	3	5	5
Gulf's #2	Schematic Diagram	4	5	5

I do hereby certify that the foregoing is  
a complete record of the proceedings in  
the Examiner hearing of Case No. 2685,  
heard by me on 11-8, 1962.

W. H. Hoover, Examiner  
New Mexico Oil Conservation Commission



T-21-S R-36-B



☐ Pertinent Lease  
☐ Pertinent Well

CASE NO. 2685  
EXHIBIT NO. 1

1980' FSL  
560' FWL

SCHEMATIC DIAGRAM OF PROPOSED TRIPLE COMPLETION

GULF OIL CORPORATION  
GRAHAM STATE (NCT-I) NO. 2  
1980' FSL & 560' FWL SECTION 19-21S-37E, LEA COUNTY, N. M.

