



AREA PLAT

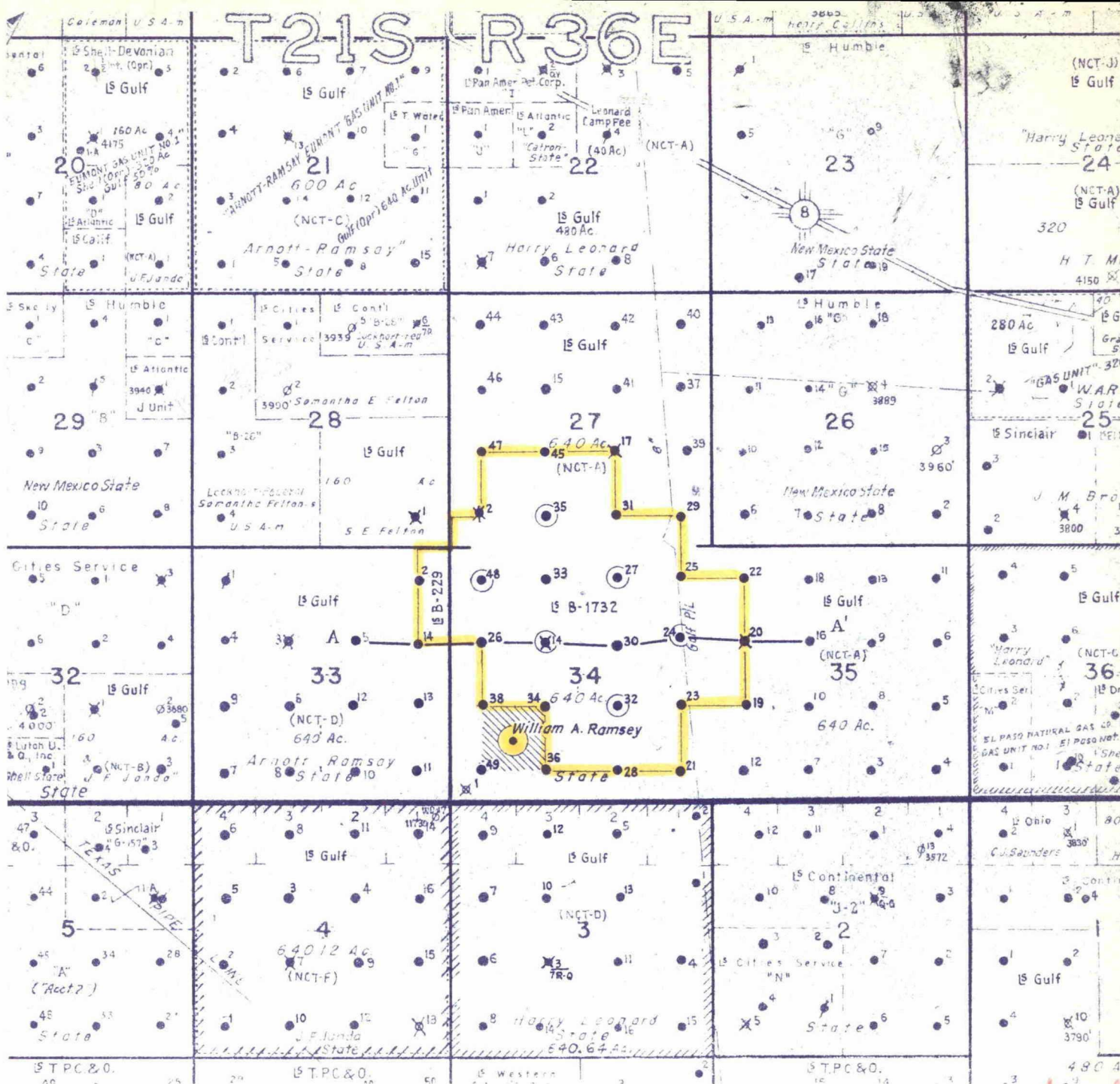
W. A. RAMSAY (NCT-A) LEASE
LEA COUNTY, NEW MEXICO

- LEGEND -

-  Proposed Infill Water Injection Well
-  Water Injection Wells
-  Pilot Waterflood Area
-  Proposed Expansion Area

Gulf Oil Corporation

November 23, 1964



AREA PLAT

W. A. RAMSAY (NCT-A) LEASE
LEA COUNTY, NEW MEXICO

- LEGEND -

- Proposed Infill Water Injection Well
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- ▬ Pilot Waterflood Area
- ▨ Proposed Expansion Area

Gulf Oil Corporation

Roswell District

Case No. 3164

Exhibit No. 1

BEFORE EXAMINER NUTTER
IL CONSERVATION COMMISSION
GULF OIL CO. NO. 1
CASE NO. 3164

during Oct injected
ave of 819 B/D/well
1300-1800 psi
ave 1560

**GULF OIL CORPORATION
W. A. RAMSAY (NCT-A)
PILOT WATERFLOOD
LEA COUNTY, NEW MEXICO**

27 WELLS

INITIAL WATER INJECTION
IN PILOT - JUNE 1961

INCREASED PRODUCTION FROM WELL DEEPENING

INCREASED PRODUCTION FROM WATERFLOOD

**WELLS IN PILOT AREA
DEEPEINED FIRST HALF 1961**

**CONTINUED
PRIMARY
OPERATIONS**

CASE NO. 3164

EXHIBIT NO. 3

100																EXHIBIT NO. 5			
MAR. JUNE SEPT. DEC.				MAR. JUNE SEPT. DEC.				MAR. JUNE SEPT. DEC.				MAR. JUNE SEPT. DEC.							
19 57				19 58				19 59				19 60							
19 61				19 62				19 63				19 64							
19 65																			

EXHIBIT NO. 3
3164

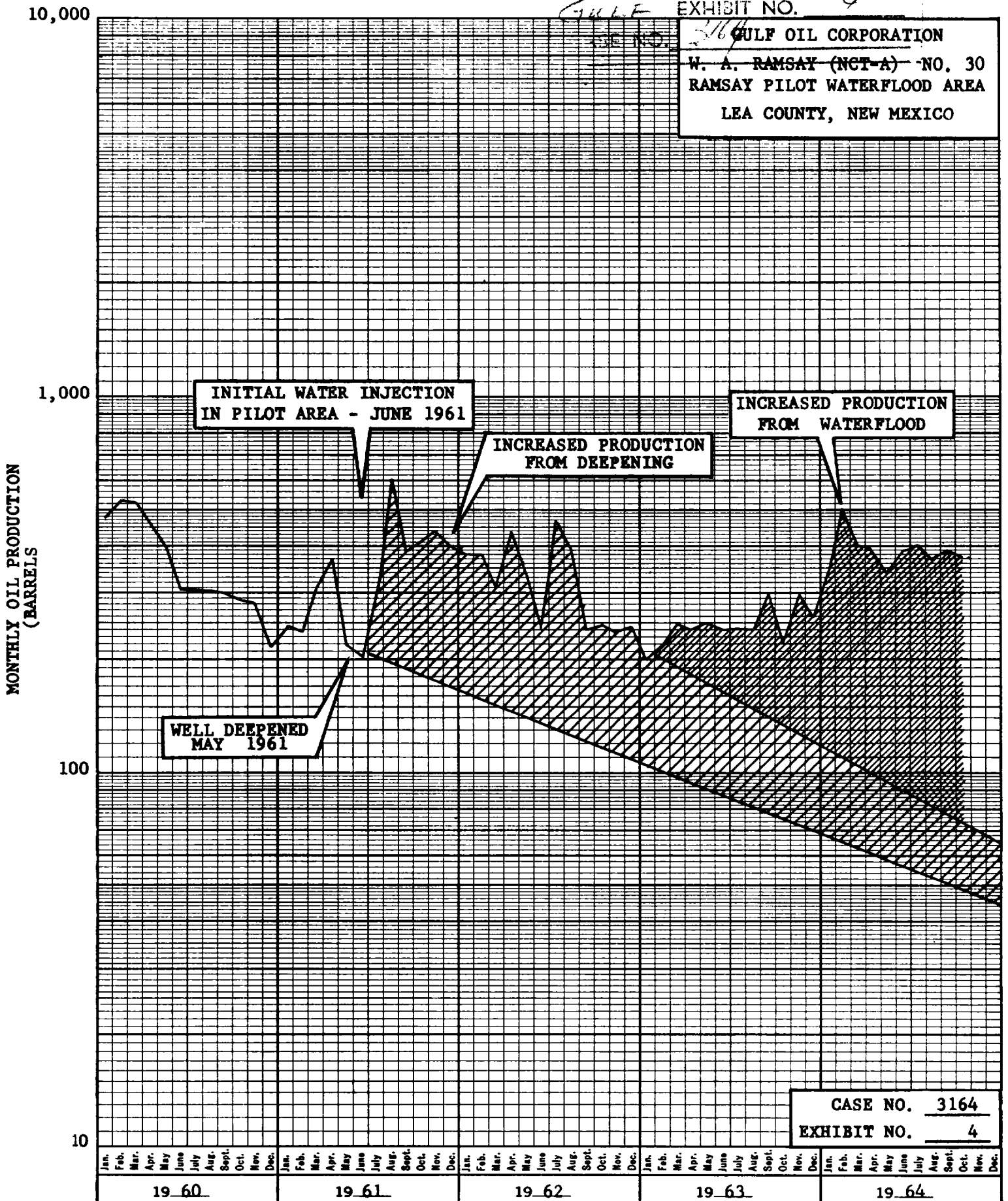
CONSERVATION COMMISSION

Gulf EXHIBIT NO. 4

32 NO.

GULF OIL CORPORATION

~~W. A. RAMSAY (NCT-A) NO. 30~~
RAMSAY PILOT WATERFLOOD AREA
LEA COUNTY, NEW MEXICO



SCHEMATIC DIAGRAM

PROPOSED INFILL INJECTION WELL

GULF OIL CORPORATION
W. A. RAMSAY (NCT-A) WELL NO. 50
LOC. APPROX. 1320' FS&W LINES SEC. 34-21S-36E
EUNICE SOUTH POOL LEA COUNTY, NEW MEXICO

BEFORE EXAMINER MUTTER
OIL CONSERVATION COMMISSION
CASE NO. 3164
EXHIBIT NO. 5

8-5/8" OD 24#/FT. J-55 CSG.
SET @ 325' WITH CEMENT
CIRCULATED

2-3/8" OD 4.7#/FT. EUE
J-55 PLASTIC COATED TUBING

ANNULUS LOADED WITH
CORROSION INHIBITED FLUID

GAMMA RAY

NEUTRON

SONIC LOG WILL BE RUN
IN PROPOSED WELL

TOP QUEEN

3700'

BAKER MODEL "AD"
TENSION PACKER
@ APPROX. 3750'

3800'

ZONES OF INTEREST
TO BE CORED AND
ANALYZED BY
PLUG ANALYSIS

TOP PENROSE

P1 PERFS. IN APPROX.
INTERVAL 3800-3840'

P2 ZONES TO BE TREATED BY
FRACTURE STIMULATION

3900'

4-1/2" OD 9.5#/FT. J-55 CSG.
SET @ 3900'. CEMENT TO BASE
OF SALT @ APPROX. 2900' WITH
CENTRALIZERS THROUGHOUT CMT.
COLUMN AND SCRATCHERS FROM
CSG. SHOE TO APPROX. 3600'

T.D. 3900'

CASE NO. 3164
EXHIBIT NO. 5

**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. 3164
Order No. R-2849**

**APPLICATION OF GULF OIL CORPORATION
FOR A WATERFLOOD EXPANSION, LEA COUNTY,
NEW MEXICO.**

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on December 15, 1964, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 21st day of December, 1964, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, 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 expand its W. A. Ramsay (NCT-A) Waterflood Project authorized by Order No. R-1820 by the injection of water into the Queen formation through one additional well at an unorthodox location 1315 feet from the South line and 1315 feet from the West line of Section 34, Township 21 South, Range 36 East, NMPM, Lea County, New Mexico.

(3) That the wells in the proposed expansion of the project area are in an advanced state of depletion and should properly be classified as "stripper" wells.

(4) That the proposed expansion of the W. A. Ramsay (NCT-A) Waterflood Project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

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CASE No. 3164
Order No. R-2849

(5) That the subject application should be approved and the project should be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

IT IS THEREFORE ORDERED:

(1) That the applicant, Gulf Oil Corporation, is hereby authorized to expand its W. A. Ramsay (NCT-A) Waterflood Project authorized by Order No. R-1820 by the injection of water into the Queen formation through one additional well at an unorthodox location 1315 feet from the South line and 1315 feet from the West line of Section 34, Township 21 South, Range 36 East, NMPM, Lea County, New Mexico.

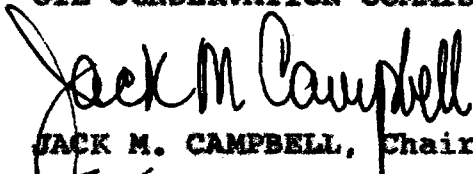
(2) That the expanded waterflood project shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

(3) That monthly progress reports of the expanded waterflood project herein authorized shall be submitted to the Commission in accordance with Rules 704 and 1119 of the Commission Rules and Regulations.

(4) 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, Chairman


E. S. WALKER, Member


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

S E A L

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