

CASE 3228: Application of TEXACO
INC. for a waterflood project,
Lea County, New Mexico.

David
W. Allen

CASE No.

3228

Application,

TRANSCRIPTS,

SMALL Exhibits

ETC.

DOCKET: EXAMINER HEARING - WEDNESDAY - APRIL 7, 1965

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

The following cases will be heard before Elvis A. Utz, Examiner, or A. L. Porter, Jr., Alternate Examiner:

CASE 3225: Application of Harold L. Runnels for directional drilling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to directionally drill his Millard Eidson B Well No. 3, the surface location of which is 660 feet from the South line and 1980 feet from the East line of Section 26, Township 16 South, Range 35 East, Shoebar Field, Lea County, New Mexico. Applicant proposes to set a whipstock at 6800 feet and directionally drill in a northwesterly direction bottoming said well at a true vertical depth of approximately 10,400 feet in the Permo-Pennsylvanian pay at a point not closer than 330 feet to the North and West lines of the SW/4 SE/4 of said Section 26.

CASE 3226: Application of Skelly Oil Company for a waterflood project, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in the Grayburg Jackson Pool in its Dow Unit Area, by the injection of water into the Premier (Grayburg) and San Andres formations through six wells located in Section 22, Township 17 South, Range 31 East, Eddy County, New Mexico.

CASE 3227: Application of Texaco Inc. for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the triple completion (combination) of its C. H. Weir "B" Well No. 6 located in Unit P of Section 11, Township 20 South, Range 37 East, Lea County, New Mexico, to produce oil from the Skaggs Glorieta Pool through 2 7/8 inch casing, gas from the Skaggs Drinkard Pool through 1.61 inch ID tubing installed in a parallel string of 2 7/8 inch casing, and gas from the East Weir Blinebry Pool through the tubing-casing annulus, both strings of 2 7/8 inch casing being cemented in a common well-bore.

CASE 3228: Application of Texaco Inc. for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in the Skaggs Pool by the injection of water into the Grayburg formation through nine wells in Sections 7, 12, and 13, Township 20 South, Range 37 East, Lea County, New Mexico.

Examiner Hearing - April 7, 1966

CASE 3229: Application of Pan American Petroleum Corporation for a dual completion and a non-standard gas production unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the dual completion (conventional) of the South Mattir Unit Well No. 18 located in Unit G of Section 22, Township 24 South, Range 37 East, Lea County, New Mexico, to produce gas from the Lower Padlock formation and oil from the Blinberry formation, Fowler field, through parallel strings of tubing. Applicant, further seeks approval of a Fowler-Lower Padlock non-standard gas production unit for said well, comprising the NE/4, E/2 NW/4, and W/2 SE/4, of said Section 22.

CASE 3002: In the matter of Case No. 3002 being reopened pursuant (Reopened) to the provisions of Order No. R-2684, which order established temporary 320-acre spacing for the Fowler-Lower Padlock Gas Pool, Lea County, New Mexico, for a period of one year. All interested parties may appear and show cause why said pool should not be developed on 160-acre spacing units.

CASE 3230: Application of The British-American Oil Producing Company for an unorthodox location and a non-standard gas unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of an unorthodox gas well location for its North Wilson Deep Unit Well No. 1 located 650 feet from the South line and 1980 feet from the East line of Section 31, Township 20 South, Range 36 East; applicant further seeks approval of a non-standard Morrow gas unit to be dedicated to said well, said unit comprising the SE/4 of Section 31 and the SW/4 of Section 32, Township 20 South, Range 36 East, Lea County, New Mexico.

CASE 3231: Application of Vilas P. Sheldon for a unit agreement, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Old Loco Unit Area comprising 720 acres, more or less, of State lands in Sections 31 and 32, Township 17 South, Range 29 East, Eddy County, New Mexico.

CASE 3232: Application of Vilas P. Sheldon for a waterflood project, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in the Grayburg Jackson and Loco Hills Pools in the Old Loco Unit Area by the injection of water into the Lovington and Grayburg formations through six injection wells in Section 32, Township 17 South, Range 29 East, Eddy County, New Mexico.

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Examiner Hearing - April 7, 1965

CASE 3233: Application of Tidewater Oil Company for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the East Eumont Unit Area comprising 5,535 acres, more or less, of Federal, State and Fee lands in Townships 18, 19, and 20 South, Range 37 East, Lea County, New Mexico.

CASE 3234: Application of Tidewater Oil Company for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in the Eumont Pool, Lea County, New Mexico, in its East Eumont Unit Area by the injection of water into the Yates, Seven Rivers and Queen formations through 69 wells in said unit area.

TEXACO
INC.

PETROLEUM PRODUCTS



March 17, 1965

DRAWER 728

HOBBS, NEW MEXICO 88240

REQUEST FOR HEARING

Application For Secondary Recovery
Skaggs (Grayburg) Oil Pool
Lea County, New Mexico

Secretary Director
New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Dear Sir:

As provided by Rule 1203, TEXACO Inc. hereby submits in triplicate a request for an Examiner Hearing in Santa Fe, New Mexico on the April 7 docket to consider the application of TEXACO Inc. for approval to conduct waterflood operations in the above subject field underlying TEXACO's C.H. Weir "A" Lease, M.B. Weir "A" and "B" Leases and the L. R. Kershaw Lease. It is planned to convert nine of the seventeen producing wells on these leases to injectors, the injection wells are shown by triangles on the attached plat. Injection will be into the Grayburg formation of Permian age at an average depth of 3700 feet to 3950 feet. It is anticipated that initial injection rates will be approximately 200 to 500 barrels of water per day per well.

Fresh water is to be used for the injection fluid which is available from a fresh water supply well located 745' FNL and 300' FEL of Section 13, T-20-S, R-37-E. This well was drilled under TEXACO's Water Permit L-4412 approved by the State Engineer in the Lea County Shallow Underground Basin in April, 1964 and is designated as Water Source Well No. L-4412. Two more water source wells are to be drilled and they will be positioned on a line running North-South through the existing well. The location of Water Supply Well No. L-4412-S has been filed with and approved by the State Engineer. Upon completion, Water Source Well No. L-4412 tested for 200 gallons per minute.

Immediately to the south of the subject area Oil Conservation Commission of New Mexico Order No. R-1710 authorizes Continental Oil Company to waterflood the Grayburg formation on its Southeast Monument Unit, Skaggs Pool, Lea County, New Mexico, effective June 10, 1960. The subject waterflood project will be in cooperative agreement with Continental.

DOCKET MAILED

Date 3/24/65

NMOCC

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March 17, 1965

As a result of TEXACO's waterflood project, it is anticipated that more than 1,000,000 barrels of oil will be recovered over primary production.

In compliance with Rule 701 of the New Mexico Oil Conservation Commission rules, we are including with this application for Examiner Hearing, a plat of the project area showing all wells on TEXACO's properties. Also included is a representative radioactive log and a diagrammatic sketch of a proposed injection well showing all information relevant to its current completion and proposed conversion to injection. Detailed information as requested under this rule is being compiled at this time and will be furnished at the hearing.

A copy of this application and all attachments are being forwarded under separate cover on this date to the State Engineer's Office, Capitol Building, Santa Fe, New Mexico, requesting the approval of that office for this proposed waterflood project.

Attached is a list of the offset operators to the subject area, each of which is receiving a copy of this letter.

Yours very truly,

C. L. Whigham
Inf

C.L. Whigham
Division Proration Engineer

TCJ-bh

Attachments

NMOCC - Hobbs
State Engineer
LCW JSR WBH
Offset Operators

3228

Amerada Petroleum Corporation
P. O. Box 668
Hobbs, New Mexico

Cities Service
P. O. Box 69
Hobbs, New Mexico

Continental Oil Company
P. O. Box 427
Hobbs, New Mexico

DeKalb Petroleum Corporation
404 W. Illinois
Midland, Texas

Fluor Corporation, Ltd.
Midland Tower Building
Midland, Texas

Gilbert, White, & Gilbert
P. O. Box 787
Santa Fe, New Mexico
Attn: Mr. L. C. White

Hissom Drilling Company
901 W. Missouri
Midland, Texas

Humble Oil & Refining Company
P. O. Box 2100
Hobbs, New Mexico

New Mexico Oil Conservation Comm. (2)
P. O. Box 2088
Santa Fe, New Mexico

New Mexico Oil Conservation Comm.
P. O. Box 1980
Hobbs, New Mexico

Texaco Inc.
P. O. Box 3109
Midland, Texas
Attn: Mr. J. S. Rowe

Texaco Inc.
P. O. Box 3109
Midland, Texas
Attn: Mr. J. M. Williams (1)
Mr. C. L. Whigham (1)

Texaco Inc.
P. O. Box 728
Hobbs, New Mexico
Attn: Mr. W. S. Bouldin

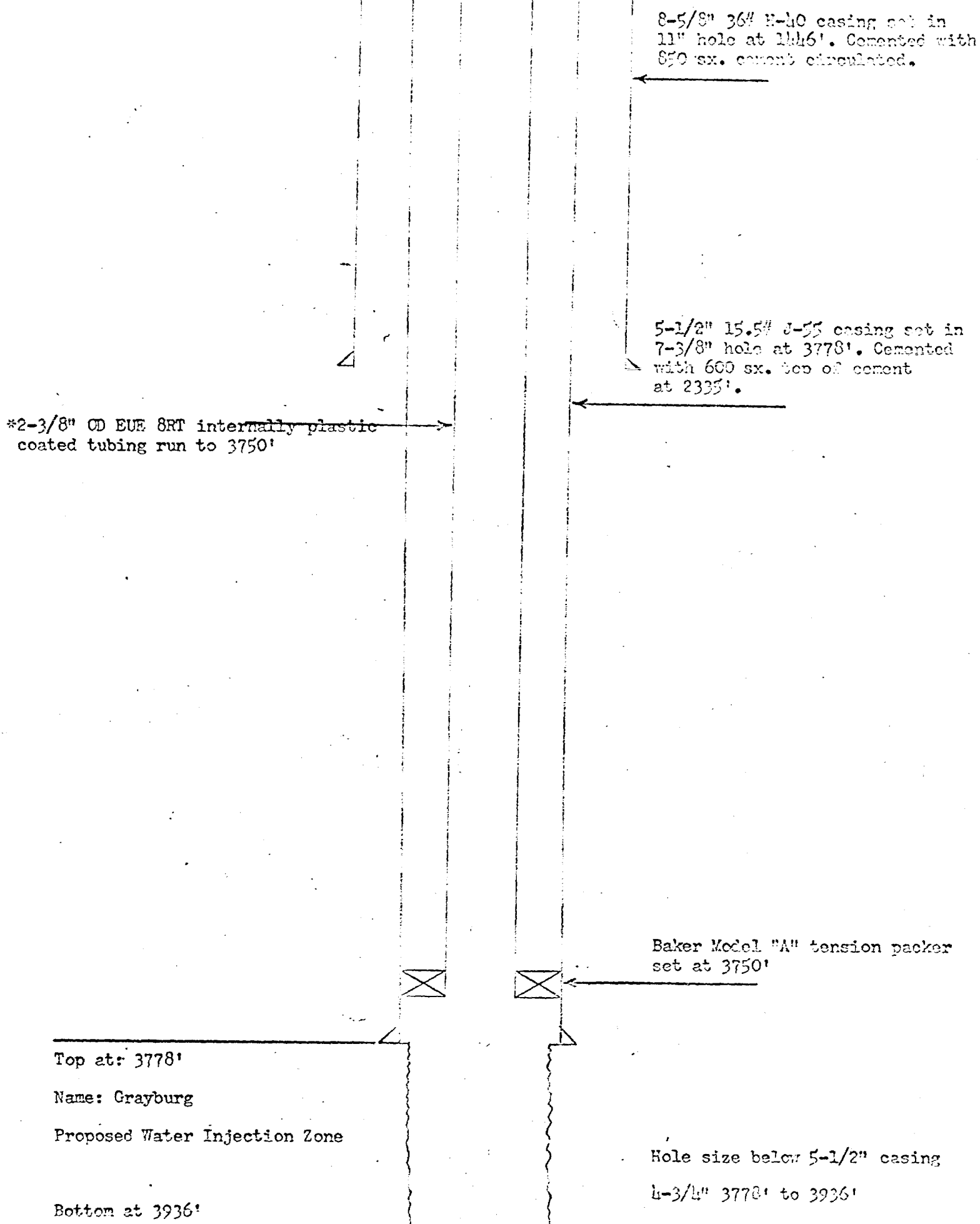
Tidewater Oil Company
P. O. Box 1231
Midland, Texas

B. L. Sweet
P. O. Box 51
Hobbs, New Mexico

State Engineers Office
P. O. Box 1079
Santa Fe, New Mexico

Wolfson Oil Company
504 Midland Nat'l Bank Bldg.
Midland, Texas

3228
DIAGRAMMATIC SKETCH



Company: TEXACO Inc.

Lease: L.R. Kershaw Well No. 1

Field: Skaggs

County: Lea County, New Mexico

*NOTE: This well is currently completed in an open hole interval from 3778' to 3936' TD. The diagrammatic sketch indicates a packer to be installed when converting the well to

State of New Mexico
Oil Conservation Commission



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

May 4, 1965

Re: Case No. 3227
Order No. R-2897 & R-2898
Applicant:
TEXACO INC.

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

A. L. Porter, Jr.
A. L. PORTER, Jr.
Secretary-Director

OTHER _____

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. 3228
Order No. R-2898

APPLICATION OF TEXACO INC.
FOR A WATERFLOOD PROJECT,
LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on April 7, 1965, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 4th day of May, 1965, the Commission, a quorum being present, having considered the record and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

That the applicant's request for dismissal should be granted.

IT IS THEREFORE ORDERED:

That Case No. 3228 is hereby dismissed.

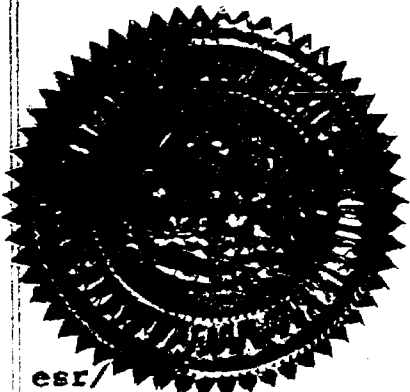
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

Jack M. Campbell
JACK M. CAMPBELL, Chairman

Guyton B. Hays
GUYTON B. HAYS, Member

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



esr/

GILBERT, WHITE AND GILBERT

ATTORNEYS AND COUNSELORS AT LAW

BISHOP BUILDING

SANTA FE, NEW MEXICO

CARL H. GILBERT (1897-1963)

L. C. WHITE

WILLIAM W. GILBERT

SUMNER S. KOCH

WILLIAM BOOKER KELLY

JOHN F. MCCARTHY, JR.

April 2, 1965

POST OFFICE BOX 787

TELEPHONE 683-4324

(AREA CODE 505)

Mr. A. L. Porter
Secretary-Director
Oil Conservation Commission
State Land Office
Santa Fe, New Mexico

Re: Texaco Case #3228

Dear Mr. Porter:

This letter is to request that case no. 3228 be dismissed, as Texaco plans to unitize this project which will require an additional application.

Very truly yours,

W. B. KELLY

W. B. KELLY

WBK:vgd

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

April 7, 1965

EXAMINER HEARING

IN THE MATTER OF:

APPLICATION OF TEXACO INC. FOR A WATERFLOOD
PROJECT, LEA COUNTY, NEW MEXICO

Case No. 3228

BEFORE:

ELVIS A. UTZ

TRANSCRIPT OF HEARING

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1162

SANTA FE, N. M.
PHONE 983-3971

ALBUQUERQUE, N. M.
PHONE 243-6691

SPECIALIZING IN: DEPOSITIONS, HEARINGS, STATEMENTS, EXPERT TESTIMONY, DAILY COPY, CONVENTIONS

1120 SIMMS BLDG. • P. O. BOX 1092 • PHONE 243-6691 • ALBUQUERQUE, NEW MEXICO

MR. DURRETT: Application of Texaco, Inc. for a waterflood project, Lea County, New Mexico. If the Examiner please, I have received a letter from Mr. W. B. Kelly, attorney for Texaco, requesting that this case be dismissed.

* * *

I, ELIZABETH K. HALE, Notary Public and Court Reporter,
do hereby certify that the proceedings in the foregoing case were
taken and transcribed by me, and that the foregoing is a true
and correct transcript of proceedings to the best of my knowledge,
skill and ability.

Richard L. Lee
Notary Public

I do hereby certify that the foregoing is
a complete record of the proceedings in
the Examiner hearing of Case No. 3228,
heard by me on Oct. 27 1965.
James C. [Signature], Examiner
New Mexico Oil Conservation Commission