

CASE 3638:

SOUTHEASTERN NEW MEXICO
NOMENCLATURE

Case No.

3638

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 THE STATE OF
NEW MEXICO FOR THE PURPOSE OF
CONSIDERING:

CASE No. 3638
Order No. R-3295

THE APPLICATION OF THE OIL CONSERVATION
COMMISSION UPON ITS OWN MOTION FOR AN ORDER
CREATING, ABOLISHING, AND EXTENDING VERTICAL
AND HORIZONTAL LIMITS OF CERTAIN POOLS IN
CHAVES, LEA, AND ROOSEVELT COUNTIES, NEW
MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on August 16, 1967, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 21st day of August, 1967, the Commission, a quorum being present, having considered the testimony presented and the exhibits received at said hearing, 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 there is need for the creation of a new oil pool in Lea County, New Mexico, for the production of oil from the Abo formation, said pool to bear the designation of Northwest Vacuum-Abo Pool. Further, that the discovery well for said pool, Mobil Oil Corporation's Bridges State No. 122, located in Unit I of Section 3, Township 17 South, Range 34 East, NMPM, is entitled to and should receive a bonus discovery oil allowable in the amount of 43,310 barrels to be assigned over a two-year period. The top of the perforations in said well is 8662 feet.

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(3) That there is need for the creation of a new oil pool in Lea County, New Mexico, for the production of oil from the Silurian formation, said pool to bear the designation of South McCormack-Silurian Pool. Further, that the discovery well for said pool, Gulf Oil Corporation's R. E. Cole (NCT-A) No. 8 located in Unit K of Section 16, Township 22 South, Range 37 East, NMPM, is entitled to and should receive a bonus discovery oil allowable in the amount of 35,930 barrels to be assigned over a two-year period. The top of the perforations in said well is 7186 feet.

(4) That there is need for the consolidation of the North Bagley-Middle Pennsylvanian Pool and the North Bagley-Lower Pennsylvanian Pool, Lea County, New Mexico, inasmuch as the pools are found to be in communication and, therefore, produce from a common source of supply. Said consolidation is to be accomplished by abolishing the North Bagley-Middle Pennsylvanian Pool and extending the vertical limits of the North Bagley-Lower Pennsylvanian Pool to include the Pennsylvanian formation from 5397 feet subsea to the top of the Mississippian formation. Type log: Texas Pacific Oil Company's Collier No. 1 located in Unit F of Section 10, Township 11 South, Range 33 East, NMPM.

(5) That there is need for the consolidation of the Inbe-Wolfcamp Pool and the Inbe-Pennsylvanian Pool, Lea County, New Mexico, inasmuch as the pools are found to be in communication and, therefore, produce from a common source of supply. Said consolidation is to be accomplished by abolishing the Inbe-Wolfcamp Pool and extending the vertical limits of the Inbe-Pennsylvanian Pool to include the Wolfcamp formation and redesignate said consolidated pool as Inbe-Permo Pennsylvanian Pool.

(6) That there is need for certain extensions to the Chaveroo-San Andres Pool in Chaves and Roosevelt Counties, New Mexico, the North Bagley-Lower Pennsylvanian Pool, the Bar U-Pennsylvanian Pool, the Inbe-Permo Pennsylvanian Pool, and the Middle Lane-Permo Pennsylvanian Pool, all in Lea County, New Mexico.

IT IS THEREFORE ORDERED:

(a) That a new pool in Lea County, New Mexico, classified as an oil pool for Abo production, is hereby created and designated

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Order No. R-3295

as the Northwest Vacuum-Abo Pool, consisting of the following-described area:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM

Section 3: NE/4 SE/4

That the discovery well for said pool, the Mobil Oil Corporation Bridges State Well No. 122, located in Unit I of Section 3, Township 17 South, Range 34 East, NMPM, is hereby authorized an oil discovery allowable of 43,310 barrels to be assigned to said well at the rate of 60 barrels per day in accordance with Rule 509 of the Commission Rules and Regulations.

(b) That a new pool in Lea County, New Mexico, classified as an oil pool for Silurian production, is hereby created and designated as the South McCormack-Silurian Pool, consisting of the following-described area:

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM

Section 16: NE/4 SW/4

That the discovery well for said pool, the Gulf Oil Corporation R. E. Cole (NCT-A) Well No. 8, located in Unit K of Section 16, Township 22 South, Range 37 East, NMPM, is hereby authorized an oil discovery allowable of 35,930 barrels to be assigned to said well at the rate of 50 barrels per day in accordance with Rule 509 of the Commission Rules and Regulations.

(c) That the North Bagley-Middle Pennsylvanian Pool in Lea County, New Mexico, consisting of the following-described area:

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM

Section 10: W/2 and SE/4

Section 15: W/2

Section 16: E/2 and SW/4

Section 17: SE/4

Section 21: N/2

Section 22: W/2 and SE/4

is hereby abolished.

(d) That the vertical limits of the North Bagley-Lower Pennsylvanian Pool in Lea County, New Mexico, are hereby extended

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to include the Middle Pennsylvanian formation with special vertical limits defined as being from 5397 feet subsea to the top of the Mississippian formation. Type Log: Texas Pacific Oil Company, Collier Well No. 1, located in Unit F of Section 10, Township 11 South, Range 33 East, NMPM.

(e) That the North Bagley-Lower Pennsylvanian Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM

Section 5: S/2 SE/4
Section 17: S/2
Section 18: S/2
Section 22: W/2 and SE/4

(f) That the Inbe-Wolfcamp Pool in Lea County, New Mexico, consisting of the following-described area:

TOWNSHIP 11 SOUTH, RANGE 34 EAST, NMPM

Section 7: SE/4

is hereby abolished.

(g) That the vertical limits of the Inbe-Pennsylvanian Pool in Lea County, New Mexico, are hereby extended to include the Wolfcamp formation and that said pool is redesignated the Inbe-Permo Pennsylvanian Pool.

(h) That the Bar U-Pennsylvanian Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 9 SOUTH, RANGE 32 EAST, NMPM

Section 1: NE/4

(i) That the Chaveroo-San Andres Pool in Chaves and Roosevelt Counties, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 7 SOUTH, RANGE 32 EAST, NMPM

Section 36: SE/4

TOWNSHIP 7 SOUTH, RANGE 33 EAST, NMPM

Section 14: SW/4
Section 21: NE/4

TOWNSHIP 8 SOUTH, RANGE 33 EAST, NMPM

Section 6: SE/4
Section 11: NW/4

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(j) That the Inbe-Permo Pennsylvanian Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM
Section 23: NW/4

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM
Section 25: N/2 NW/4

TOWNSHIP 11 SOUTH, RANGE 34 EAST, NMPM
Section 17: W/2 NW/4
Section 18: E/2 SW/4
Section 19: NW/4

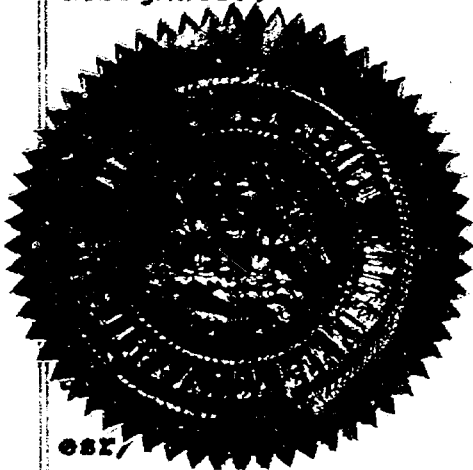
(k) That the Middle Lane-Permo Pennsylvanian Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM
Section 22: N/2
Section 23: NE/4
Section 24: NW/4

IT IS FURTHER ORDERED:

That the effective date of this order and all creations, abolishments, and extensions of vertical and horizontal limits included herein shall be September 1, 1967.

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



STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

David F. Cargo
DAVID F. CARGO, Chairman

Guyton B. Hays
GUYTON B. HAYS, Member

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

Mobil Oil Corporation

New Mexico Oil Conservation
State Land Office Building
Santa Fe, New Mexico 87501

Case 3638

July 19, 1967

P.O. BOX 633
MIDLAND, TEXAS 79701

APPLICATION FOR DISCOVERY ALLOWABLE
AND CREATION OF A NEW POOL - BRIDGES
STATE WELL NO. 122 - ABO FORMATION
SECTION 3, T17S, R34E, LEA COUNTY,
NEW MEXICO

Gentlemen:

Mobil Oil Corporation discovered oil in the Abo formation while drilling the Bridges State No. 122 at a location 1980' from the south line and 660' from the east line of Section 3, T17S, R34E, NMPM, Lea County, New Mexico. Mobil filed affidavit of that discovery on July 7, 1967. Attached is a Discovery Allowable and Creation of a New Pool application for the subject well.

Mobil's Bridges State No. 120, the nearest Abo production, is located approximately 14,200' SSE from Mobil's Bridges State No. 122.

Sam Boren and Major & Giebel Oil Company drilled their Pure State Well No. 1 to a depth in excess of 10,000' at a location approximately 14,000' NW of Mobil's Bridges State No. 122. That Pure State No. 1 well did not encounter the Abo pay.

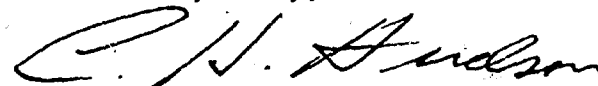
Pennzoil Company drilled their Bridges State No. 1 well at a location approximately 6,000' ESE of Mobil's Bridges State No. 122. Drill stem tests indicated the absence of producible Abo hydrocarbons in the Pennzoil's Bridges State No. 1.

New Mexico Abo reservoirs are generally classified as stratigraphic traps. That opinion is borne out by Mobil's Bridges State No. 122 discovery. Pure State No. 1, to the NW, did not encounter the Abo formation. Pennzoil's Bridges State No. 1, positioned between Mobil's Abo producing Bridges State No. 122 and 120, also failed to locate Abo production.

Mobil Oil Corporation hereby requests administrative approval of this Application for Discovery Allowable and New Pool designation for the Abo production located by State Bridges No. 122. Offset operators have been advised of Mobil's application.

In the event administrative approval of this application is refused, please set this matter for hearing.

Yours very truly,



C. H. Hudson
Division Engineer

MAIN OFFICE

FLH/jb
Attachments
cc: NMOC, Hobbs, New Mexico

'67 JUL 21 AM 9 32

DOCKET MAILED

Date 8/2/67

NEW MEXICO OIL CONSERVATION COMMISSION
APPLICATION FOR DISCOVERY ALLOWABLE AND CREATION OF A NEW POOL

Form C-109
 Adopted 9-1-66

NOTE: This form is to be filed and attachments made in accordance with the provisions of Rule 509.
 If discovery is claimed for more than one zone, separate forms must be filed for each.

Case 3638

Operator Mobil Oil Corporation		Address P. O. Box 633 - Midland, Texas 79701	
Lease Name Bridges State		Well No. 122	County Lea
Well Location Unit Letter I ; 1980 Feet from The South Line and 660 Feet From the East Line of Section 3 , Township 17S , Range 34E , NMPM			
Suggested Pool Names (List in order of preference) 1. Vacuum Northwest Abo 2. Bridges Abo 3. Kemnitz Southeast Abo			
Name of Producing Formation Abo		Perforations 8662' to 8698' (16 shots)	Date of Filing Form C-104 7/7/67
Was "Affidavit of Discovery" Previously Filed For This Well in this Pool? Yes		If Yes, Give Date of Filing 7/7/67	Date Well was Spudded 4/29/67 Date Compl. Ready to Prod. 6/30/67
Total Depth 10,840	Plugged Back Depth 10,700	Depth Casing Shoe 10,840	Tubing Depth 8,732 Elevation (Gr., DF, RKB, RT, etc.) 4,050 Gr.
Oil Well Potential (Test to be taken only after all load oil has been recovered) 255 Bbls, Oil Per Day Based On 255 Bbls In 24 Hours; 3 Bbls Water Per Day Based On 3 Bbls In 24 Hours; Gas Production During Test: 278 MCF; Gas-Oil Ratio: 109/1 Method Of Producing: Pump Chk. Size 2-7/8" Tbg.			

NEAREST PRODUCTION TO THIS DISCOVERY (Includes past and present oil or gas producing areas and zones whether this discovery is based on horizontal or vertical separation):

Pool Name Vacuum	Name of Producing Formation Grayburg - San Andres	Top of Pay 4645'	Bottom of Pay 4770'	Currently Producing? Yes
Horizontal Distance and Direction from Subject Discovery Well to the Nearest Well in this Pool 500' SE Mobil #91 Bridges State		Vertical Distance from Subject Discovery Zone to Producing Interval this Pool 3892		

NEAREST COMPARABLE PRODUCTION (Includes past and present oil or gas production from this pay or formation only):

Pool Name Vacuum Abo North	Top of Pay 8486'	Bottom of Pay 8507'	Currently Producing? Yes
Horizontal Distance and Direction from Subject Discovery Well to the Nearest Well in this Comparable Pool 14,200' SSE Mobil #120 Bridges State, Sec. 13, T17S, R34E			

Is "County Deep" Discovery Allowable Requested for Subject Discovery Well? No	If Yes, Give Name, Location, and Depth of Next Deepest Oil Production in this County N/A
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MAIN OFFICE

Is the Subject Well Multiple Completion? No	Is Discovery Allowable Requested for other Zone(s)? N/A	If Yes, Name all Such Formations N/A
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67 JUL 21 AM 9 32

LIST ALL OPERATORS OWNING LEASES WITHIN ONE MILE OF THIS WELL (Attach additional sheet if necessary)

NAME	ADDRESS
Pennzoil Company	1007 Midland Savings Bldg., Midland, Texas 79701
Delfern Operating Account	1603 Broadway, Lubbock, Texas 79401
Rock Island Oil & Refining Company	Capital Nat'l Bank Bldg., Houston, Texas 77002
Cities Service Oil Company	Cities Service Bldg., Bartlesville, Okla. 74004
Clarence Angle	P. O. Box 1667, Midland, Texas 79701
Atlantic-Richfield Company	P. O. Box 1610, Midland, Texas 79704
Shell Oil Company	P. O. Box 1509, Midland, Texas 79701
Gulf Oil Company	P. O. Box 1150, Midland, Texas 79701
S. P. Yates	309 Carper Bldg., Artesia, New Mexico
Marathon Oil Company	Midland Nat'l Bank Bldg., Midland, Texas 79701
Southern Union Production Company	Fidelity Union Tower Bldg., Dallas, Texas 75201

Attach evidence that all of the above operators have been furnished a copy of this application. Any of said operators who intends to object to the designation of the subject well as a discovery well, eligible to receive a discovery allowable, must notify the appropriate District Office and the Santa Fe Office of the Commission of such intent in writing within ten days after receiving a copy of this application.

Remarks:

CERTIFICATION

Case 3638
(Form C-123)
(Revised 7/1/52)

REQUEST FOR THE EXTENSION OF AN EXISTING POOL
OR
THE CREATION OF A NEW POOL

TO: The Oil Conservation Commission
State of New Mexico

Date 7-18, 1967

The Mobil Oil Corp. Bridges State
Name of Operator Name of Lease

122 Located 1980 feet from the South line and 660 feet
Well No.

from the East line of 3 17S 34E
Section Township Range

is outside the boundaries of any pool producing from the same formation. On the basis of the information submitted here-

with on form C-105, we hereby request that the XXX

pool be extended to include the following described area XXX

XXXX

or that a new pool be created to include the following described area Section 3, T17S, R 34E, NMPM

Lea County, New Mexico

Suggested name: (Vacuum Northwest Abo) or Bridges Abo or Kemnitz Southeast Abo.

Mobil Oil Corporation
Operator

Name of Producing Formation:

Abo

Representative

MAIN OFFICE

'67 JUL 21 AM 9 32

Mr Nutter

THE STATE OF TEXAS X
 X
COUNTY OF MIDLAND X

Case 3638
AFFIDAVIT OF DEED O.C.C.
JUL 10 7 53 AM '67
JUL 10 1967

BEFORE ME, the undersigned, personally appeared W. Lloyd Haseltine, known to me to be the Division Production Geologist of the Midland, Texas, Division of Mobil Oil Corporation and upon his oath being duly sworn did depose and say:

I am the Division Production Geologist of the Midland Division of Mobil Oil Corporation and as such have reason to know that under a permit granted by the New Mexico Oil Conservation Commission to drill Mobil Oil Corporation's Bridges-State Well No. 122, Section 3, T-17-S, R-34-E, Lea County, New Mexico, Mobil Oil Corporation began drilling operations on April 29, 1967, at an authorized location 1980 feet from the South line and 660 feet from the East line of the above-described Section 3.

Casing was set to a depth of 10,833 feet in the well and casing was perforated into the Abo reservoir at depths of 8662 to 8698 feet. On June 29, 1967, it was determined the Abo reservoir to be productive of liquid hydrocarbons by the flowing into stock tanks during a 24-hour period of 138 barrels of oil from the Abo reservoir. The least remote Abo producing well is removed from Mobil Oil Corporation's Bridges-State Well No. 122 by approximately 16,500 feet.

This Affidavit is made for filing with the New Mexico Oil Conservation Commission as evidence of Mobil Oil Corporation's discovery date claim for bonus discovery allowable purposes.

Further, Affiant saith not.

W. Lloyd Haseltine
W. Lloyd Haseltine

July SUBSCRIBED AND SWORN BEFORE ME this 7th day of July, 1967.

Betty Moore
Notary Public

CLASS OF SERVICE

This is a fast message unless its deferred character is indicated by the proper symbol.

WESTERN UNION TELEGRAM

W. P. MARSHALL
CHAIRMAN OF THE BOARD

R. W. MCFALL
PRESIDENT

SYMBOLS

DL = Day Letter
NL = Night Letter
LT = International Letter Telegram

The filing time shown in the date line on domestic telegrams is LOCAL TIME at point of origin. Time of receipt is LOCAL TIME at point of destination

1967 AUG 8 AM 11 08

LA058 NSA280

NS MDA048 PD=MIDLAND TEX 8 1138A CDT=

A L PORTER JR=

STATE LAND OFFICE BLDG SANTA FE NMEX=

DEAR SIR: TEXAS PACIFIC OIL CO SUPPORTS THE PROPOSAL TO
ABOLISH THE NORTH BAGLEY MIDDLE PENNSYLVANIAN POOL AND
TO EXPAND THE NORTH BAGLEY LOWER PENNSYLVANIAN POOL
AS PROPOSED IN PARAGRAPH C AND D OF CASE 3638 TO BE
HEARD AUGUST 16 1967 AT THE REGULAR HEARING OF THE OIL
CONSERVATION COMMISSION. YOURS VERY TRULY=
H D HOLLOWAY DIST ENGR TEX PACIFIC OIL CO=

CD 3638 16 1967...

WU1201 (11-2-65)

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

Aug 16th

Gulf Oil Corporation

EXPLORATION AND PRODUCTION DEPARTMENT—U. S. OPERATIONS
ROSWELL DISTRICT

P. O. Drawer 1938
Roswell, New Mexico 88201

W. B. Hopkins
DISTRICT MANAGER
M. I. Taylor
DISTRICT PRODUCTION
MANAGER
F. O. Mortlock
DISTRICT EXPLORATION
MANAGER
H. A. Rankin
DISTRICT SERVICES MANAGER

July 24, 1967

Case 3628

MAIN OFFICE

Oil Conservation Commission
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

'67 JUL 25 AM 8 19

Attention: Mr. A. L. Porter, Jr.

Re: Application for Oil Discovery Allowable,
R. E. Cole (NCT-A) Well No. 8, Undesignated
Silurian Oil Pool, Lea County, New Mexico

Gentlemen:

In accordance with Statewide Rule 509, attached are two copies of Form C-109, Application for Discovery Allowable and Creation of a New Pool for Gulf's R. E. Cole (NCT-A) Well No. 8, located 2130 feet from the south line and 2130 feet from the west line of Section 16-22S-37E, Undesignated Silurian Oil Pool, Lea County, New Mexico.

Gulf Oil Corporation is requesting approval of a discovery allowable of 35,870 barrels, which is based on five barrels per foot for 7,174 feet from the surface of the ground to the top of the Silurian perforations in this well. Should additional information be needed, please advise.

Respectfully submitted,

GULF OIL CORPORATION

M. I. Taylor
M. I. Taylor

Attachment
JHH:ers

cc: New Mexico Oil Conservation Commission
Post Office Box 1980
Hobbs, New Mexico 88240
Attention: Mr. Joe D. Ramey

Operators Listed on Application

DOCKET MAILED

Date 8/2/67



DOCKET: REGULAR HEARING - WEDNESDAY - AUGUST 16, 1967

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

- ALLOWABLE: (1) Consideration of the oil allowable for September, 1967;
- (2) Consideration of the allowable production of gas for September, 1967, from thirteen prorated pools in Lea, Eddy, and Roosevelt Counties, New Mexico. Consideration of the allowable production of gas from nine prorated pools in San Juan, Rio Arriba and Sandoval Counties, New Mexico, for September, 1967.

CASE 3635: Application of Cities Service Oil Company for an exception to Order No. R-3221, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks an exception to the provisions of Order No. R-3221 to permit the continued use, for emergency purposes, of four unlined surface pits for salt water disposal in its Drickey Queen Sand Unit, Caprock-Queen Pool, Chaves County, New Mexico. The locations of said pits are as follows: Unit L of Section 2; Unit F of Section 3; Unit I of Section 3; and Unit A of Section 16, all in Township 14 South, Range 31 East.

CASE 3636: Application of New Mexico Salt Water Disposal Company, Inc., for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water in a playa lake located in Section 32, Township 10 South, Range 34 East and in Sections 2 and 3, Township 11 South, Range 34 East, Lea County, New Mexico. Applicant proposes to dispose of not more than 15,000 barrels of salt water per day into said lake.

CASE 3637: Northwestern New Mexico nomenclature case calling for an order for the extension of the following pools in San Juan County, New Mexico:

- (a) Extend the Piñon-Fruitland Pool boundary to include therein:

TOWNSHIP 28 NORTH, RANGE 11 WEST, NMPM
SECTION 17: W/2

- (b) Extend the Slick Rock-Dakota Pool boundary to include therein:

TOWNSHIP 29 NORTH, RANGE 16 WEST, NMPM
SECTION 6: SW/4
SECTION 7: NW/4

TOWNSHIP 29 NORTH, RANGE 17 WEST, NMPM
SECTION 1: E/2 & E/2 SW/4
SECTION 12: NE/4

August 16, 1967 Regular Hearing

Docket No. 24-67

CASE 3638:

Southeastern New Mexico nomenclature case calling for an order for the creation of two pools and the assignment of oil discovery allowables therein, and for the abolishment and horizontal and vertical extension of certain other pools in Lea, Chaves, and Roosevelt Counties, New Mexico:

(a) Create a new pool in Lea County, New Mexico, classified as an oil pool for Abo production and designated as the Northwest Vacuum Abo Pool, comprising the following-described acreage:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM
SECTION 3: NE/4 SE/4

Further, for the assignment of approximately 43,310 barrels of oil discovery allowable to the discovery well, Mobil Oil Corporation's Bridges State Well No. 122 located in Unit I of said Section 3.

(b) Create a new pool in Lea County, New Mexico, classified as an oil pool for Silurian production and designated as the South McCormack-Silurian Pool, comprising the following-described acreage:

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM
SECTION 16: NE/4 SW/4

Further, for the assignment of approximately 35,930 barrels of oil discovery allowable to the discovery well, Gulf Oil Corporation's R. E. Cole (NCT-A) Well No. 8 located in Unit K of said Section 16.

(c) Abolish the North Bagley-Middle Pennsylvanian Pool in Lea County, New Mexico, described as:

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM
SECTION 10: W/2 and SE/4
SECTION 15: W/2
SECTION 16: E/2 and SW/4
SECTION 17: SE/4
SECTION 21: N/2
SECTION 22: W/2 and SE/4

(d) Extend the vertical limits of the North Bagley-Lower Pennsylvanian Pool in Lea County, New Mexico, to include the Middle Pennsylvanian formation with special vertical limits defined as being from 5397 feet subsea to the top of the Mississippian. Type Log: Texas Pacific Oil Company's Collier No. 1 located in Unit F of Section 10, Township 11 South, Range 33 East, NMPM.

(e) Extend the horizontal limits of the North Bagley-Lower Pennsylvanian Pool to include therein:

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM
SECTION 17: SE/4
SECTION 22: W/2 and SE/4

August 16, 1967 Regular Hearing

Docket No. 24-67

(f) Abolish the Inbe-Wolfcamp Pool in Lea County, New Mexico, described as:

TOWNSHIP 11 SOUTH, RANGE 34 EAST, NMPM
SECTION 7: SE/4

(g) Extend the vertical limits of the Inbe-Pennsylvanian Pool in Lea County, New Mexico, to include the Wolfcamp formation and redesignate said pool as Inbe-Permo Pennsylvanian Pool.

(h) Extend the Bar U-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 9 SOUTH, RANGE 32 EAST, NMPM
SECTION 1: NE/4

(i) Extend the Chaveroo-San Andres Pool in Chaves and Roosevelt Counties, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 32 EAST, NMPM
SECTION 36: SE/4

TOWNSHIP 7 SOUTH, RANGE 33 EAST, NMPM
SECTION 14: SW/4
SECTION 21: NE/4

TOWNSHIP 8 SOUTH, RANGE 33 EAST, NMPM
SECTION 6: SE/4
SECTION 11: NW/4

(j) Extend the Inbe-Permo Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM
SECTION 23: NW/4

TOWNSHIP 11 SOUTH, RANGE 34 EAST, NMPM
SECTION 18: E/2 SW/4
SECTION 19: NW/4

(k) Extend the Middle Lane-Permo Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM
SECTION 23: NE/4
SECTION 24: NW/4

NEW MEXICO OIL CONSERVATION COMMISSION
APPLICATION FOR DISCOVERY ALLOWABLE AND CREATION OF A NEW POOL

Form C-109
 Adopted 9-1-66

NOTE: This form is to be filed and attachments made in accordance with the provisions of Rule 509.
 If discovery is claimed for more than one zone, separate forms must be filed for each.

Page 36.38

Operator Gulf Oil Corporation		Address P. O. Box 1938, Roswell, New Mexico 88201	
Lease Name R. E. Cole (NCT-A)		Well No. 8	County Lea
Well Location Unit Letter K , 2130 Feet from The South Line and 2130 Feet From the West Line of Section 16 , Township 22 South , Range 37 East , NMPM			
Suggested Pool Names (List in order of preference) 1. Cole Silurian 2. McCormack South Silurian 3. Maypens Silurian			
Name of Producing Formation Silurian		Perforations 7186' - 7210'	Date of Filing Form C-104 June 16, 1967
Was "Affidavit of Discovery" Previously Filed For This Well in this Pool? No		If Yes, Give Date of Filing -	Date Well was Spudded May 4, 1967
Date Compl. Ready to Prod. June 15, 1967			
Total Depth 7302'	Plugged Back Depth 7295'	Depth Casing Shoe 7302'	Tubing Depth 7150'
Elevation (Gr., DF, RKB, RT, etc.) 3392' (Gr.)			
Oil Well Potential (Test to be taken only after all load oil has been recovered) 336 Bbls. Oil Per Day Based On 182 Bbls In 13 Hours; 31 Bbls Water Per Day Based On 17 Bbls In 13 Hours; Gas Production During Test: 108 MCF; Gas-Oil Ratio: 322 Method Of Producing: Flow Chk. Size 15/64"			

NEAREST PRODUCTION TO THIS DISCOVERY (Includes past and present oil or gas producing areas and zones whether this discovery is based on horizontal or vertical separation):

Pool Name Penrose Skelly	Name of Producing Formation Grayburg	Top of Pay 3751'	Bottom of Pay 3805'	Currently Producing? Yes
Horizontal Distance and Direction from Subject Discovery Well to the Nearest Well in this Pool 330' Southwest		Vertical Distance from Subject Discovery Zone to Producing Interval this Pool 3381'		

NEAREST COMPARABLE PRODUCTION (Includes past and present oil or gas production from this pay or formation only):

Pool Name McCormack	Top of Pay 7145'	Bottom of Pay 7160'	Currently Producing? Yes
Horizontal Distance and Direction from Subject Discovery Well to the Nearest Well in this Comparable Pool 3-1/2 miles North			

Is "County Deep" Discovery Allowable Requested for Subject Discovery Well? No	If Yes, Give Name, Location, and Depth of Next Deepest Oil Production in this County MAIN OFFICE OF
---	---

Is the Subject Well Multiple Completion? Yes	Is Discovery Allowable Requested for other Zone(s)? No	If Yes, Name all Such Formations -
--	--	--

LIST ALL OPERATORS OWNING LEASES WITHIN ONE MILE OF THIS WELL (Attach additional sheet if necessary)

NAME	ADDRESS
Shell Oil Company	P. O. Box 1509, Midland, Texas 79701
Skelly Oil Company	P. O. Box 1650, Tulsa, Oklahoma 74102
Carter Foundation Production Company	P. O. Box 1036, Fort Worth, Texas 76101
Tidewater Oil Company	P. O. Box 547, Hobbs, New Mexico
Campbell & Hedrick	P. O. Box 401, Midland, Texas 79701
Guy R. Zachry	P. O. Box 1685, Hobbs, New Mexico 88240
Humble Oil & Refining Company	P. O. Box 1600, Midland, Texas 79701
Texas Pacific Oil Company	P. O. Box 1007, Midland, Texas 79701
Amerada Petroleum Corporation	P. O. Box 2040, Tulsa, Oklahoma 74102
Marathon Oil Company	P. O. Box 220, Hobbs, New Mexico 88240
Cities Service Oil Company	P. O. Box 69, Hobbs, New Mexico 88240
Continental Oil Company	P. O. Box 460, Hobbs, New Mexico 88240
Sohio Petroleum Company	970 First National Office Building, Oklahoma City, Oklahoma 73102

Attach evidence that all of the above operators have been furnished a copy of this application. Any of said operators who intends to object to the designation of the subject well as a discovery well, eligible to receive a discovery allowable, must notify the appropriate District Office and the Santa Fe Office of the Commission of such intent in writing within ten days after receiving a copy of this application.

Remarks: Above listed operators have been furnished a copy of this application this date.

CERTIFICATION

I hereby certify that all rules and regulations of the New Mexico Oil Conservation Commission have been complied with, with respect to the subject well, and that it is my opinion that a bona fide discovery of a hitherto unknown common source of oil supply has been made in said well. I further certify that the discovery allowable for the subject well, if authorized, will be produced from the subject zone in this well only. Further, that the information given herein and attached hereto is true and complete to the best of my knowledge and belief.

<i>Ms Taylor</i>	District Production Manager	July 24, 1967
Signature	Position	Date

GOVERNOR
DAVID F. CARGO
CHAIRMAN

Case 3638

State of New Mexico
Oil Conservation Commission



LAND COMMISSIONER
GUYTON B. HAYS
MEMBER

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

P. O. BOX 1980
HOBBS
July 24, 1967

Mr. Dan Nutter
Chief Engineer
New Mexico Oil Conservation Commission
Post Office Box 2088
Santa Fe, New Mexico

MAIL OFFICE

57 JUL 26 AM

Dear Dan:

Attached is a copy of the Mobil Oil Corporation Bridges State Well No. 122, Unit I, Section 3, Township 17 South, Range 34 East, application for discovery allowable. Below are my findings and recommendations:

- (1) Mobil has met the Commission's requirements for bonus allowable in exhibits and information available.
- (2) Nearest production from the same comparable zone of the Abo formation is some three miles to the south southeast, in the North Vacuum-Abo Pool.
- (3) This discovery and the North Vacuum-Abo Pool are apparently both located on the same nosing structure. But due to the distance separation and lack of geological information between these two pools, it can be assumed at this time they are in separate reservoirs.
- (4) I recommend that this discovery be given a bonus allowable.

(5) I recommend that this new pool be called the "Northwest Vacuum-Abo" because this discovery underlies the Vacuum-San Andres and is located 1.5 miles from the Kemnitz-Wolfcamp Pool.

Very truly yours,

OIL CONSERVATION COMMISSION

John W. Runyan

John W. Runyan
Geologist, District I

JWR:fd

cc: Mr. Joe D. Ramey, Supervisor, District I NMOCC

NOMENCLATURE ADVERTISEMENT FOR AUGUST, 1967

CASE 3638

In the matter of the application of the Oil Conservation Commission of New Mexico upon its own motion for an order for the abolishment of existing pools in Lea County, New Mexico, and the extension of vertical and horizontal limits of certain existing pools in Chaves, Lea, and Roosevelt Counties, New Mexico, and giving notice to all persons and parties interested in the subject matter thereof to appear and show cause why such abolishments and extensions of vertical and horizontal limits should not be made:

C a) ABOLISH the North Bagley-Middle Pennsylvanian Pool in Lea County, New Mexico, described as:

✓ TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM
SECTION 10: W/2 and SE/4
SECTION 15: W/2
SECTION 16: E/2 and SW/4
SECTION 17: SE/4
SECTION 21: N/2
SECTION 22: W/2 and SE/4

Type Log:

b b) EXTEND the vertical limits of the North Bagley-Lower Pennsylvanian Pool in Lea County, New Mexico, to include the Middle Pennsylvanian formation with special vertical limits defined as being from -5397 feet subsea ~~at the~~ to the top of the Mississippian, ~~as in~~ Texas Pacific Oil Company Collier No. 1, located in Unit F of Section 10, Township 11 South, Range 33 East, NMPM.

(e) Also, Extend the North Bagley-Lower Pennsylvanian Pool to include therein:

Horizontal limits:

✓ TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM
SECTION 17: SE/4
SECTION 22: W/2 and SE/4

f a) ABOLISH the Inbe-Wolfcamp Pool in Lea County, New Mexico, described as: ✓

✓ TOWNSHIP 11 SOUTH, RANGE 34 EAST, NMPM
SECTION 7: SE/4

g b) EXTEND the vertical limits of the Inbe-Pennsylvanian Pool in Lea County, New Mexico, to include the Wolfcamp formation and redesignate said pool as Inbe-Permo Pennsylvanian Pool.

R c) EXTEND the Bar U-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 9 SOUTH, RANGE 32 EAST, NMPM
SECTION 1: NE/4

d d) EXTEND the Chaveroo-San Andres Pool in Chaves and Roosevelt Counties, New Mexico, to include therein:

✓ TOWNSHIP 7 SOUTH, RANGE 32 EAST, NMPM
SECTION 36: SE/4

✓ TOWNSHIP 7 SOUTH, RANGE 33 EAST, NMPM
SECTION 14: SW/4
SECTION 21: NE/4

✓ TOWNSHIP 8 SOUTH, RANGE 33 EAST, NMPM
SECTION 6: SE/4
SECTION 11: NW/4

see listing from

August, 1967 Nomenclature

J ~~87~~ EXTEND the Inbe-Permo Pennsylvanian Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM
SECTION 23: NW/4 ✓

✓ TOWNSHIP 11 SOUTH, RANGE 34 EAST, NMPM
SECTION 18: E/2 SW/4
SECTION 19: NW/4

K ~~88~~ EXTEND the Middle Lane-Permo Pennsylvanian Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM
SECTION 23: NE/4
SECTION 24: NW/4 ✓

dearnley-meier reporting service, inc.

SPECIALIZING IN: DEPOSITIONS, HEARINGS, STATEMENTS, EXPERT TESTIMONY, DAILY COPY, CONVENTIONS
1120 SIMMS BLDG. • P. O. BOX 1092 • PHONE 243-6491 • ALBUQUERQUE, NEW MEXICO

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
August 16, 1967

HEARING EXAMINER

IN THE MATTER OF:

Southeastern New Mexico
nomenclature case calling for
an order for the creation of two
pools and the assignment of oil
discovery allowables therein,
and for the abolishment and
horizontal and vertical extension
of certain other pools in Lea,
Chaves, and Roosevelt Counties,
New Mexico.

Case No. 3638

BEFORE: A. L. Porter, Examiner

TRANSCRIPT OF HEARING

MR. PORTER: Case 3638.

MR. HATCH: Case 3638, Southeastern New Mexico nomenclature case calling for an order for the creation of two pools and the assignment of oil discovery allowables therein, and for the abolishment and horizontal and vertical extension of certain other pools in Lea, Chaves, and Roosevelt Counties, New Mexico.

(Witness sworn.)

JOE D. RAMEY

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

DIRECT EXAMINATION

BY MR. HATCH:

Q Would you state your name and position for the record, please?

A Joe D. Ramey, Supervisor of the Commission's District 1.

Q Are you prepared to make recommendations to the Commission concerning the creation of two new pools and the assignment of oil discovery allowables for the two pools and the abolishment of certain other pools in Lea, Chaves and Roosevelt Counties, New Mexico?

A Yes, sir.

Q Have you prepared or had prepared under your supervision, an exhibit or exhibits, relative to your

recommendations?

A Yes, sir. I have.

Q What are those exhibit numbers, please, sir?

A Southeastern New Mexico nomenclature exhibit 1, paragraph A through K.

Q Will you please refer to your exhibit number 1 and to paragraph A of Case 3638 and make your recommendations to the Commission concerning the creation of a new pool in Lea County, New Mexico, and the assignments of the oil discovery well, Mobil Oil Corporation's Bridges State Well No. 122?

A It is recommended that a new oil pool be created and designated as the Northwest Vacuum Abo Pool, vertical limits to be the Abo formation. The discovery well was the Mobil Oil Corporation's Bridges State Well No. 122, located in Unit 1, Section 3, Township 17 South, Range 34 East. It was completed on June 29th, 1967. The top of the perforation is at 8662 feet. It is further recommended that a discovery allowable of 43,310 barrels be assigned this well.

Q All right. For the record, will you refer to your exhibit again and paragraph B of Case 3638 and make your recommendations to the Commission concerning the creation of a new pool in Lea County, New Mexico and the assignment of an oil discovery allowable for the discovery well, Gulf Oil Corporation's R. E. Cole (NCT-A) Well No. 8?

A It's recommended that a new oil pool be created and designated as the South McCormack-Silurian Pool. Vertical limits to be the Silurian formation. The discovery well for the Gulf Oil Corporation's R. E. Cole (NCT-A) Well No. 8, located in Unit K, Section 16, Township 22 South, Range 37 East, was completed on June 15th, 1967. The top of the perforation is at 7,186 feet. It is further recommended that a discovery allowable of 35,930 barrels be assigned this well.

Q Referring now to paragraph C through K on the Docket, would you point out any substantial differences between the Docket and your exhibit or any corrections that need to be made?

A I have an addition, in paragraph E. In Township 11 South, Range 33 East, Section 5, the south half of the Southeast quarter and Section 17, the southwest quarter and Section 18, the south half. An addition in paragraph J. In Township 11 South, Range 33 East, Section 25, north half of the west quarter. In Township 11 South, Range 34 East, Section 17, the west half of the northwest quarter. Another addition in paragraph K. In Township 10 South, Range 33 East, Section 22, the north half. The remainder is as shown on the Docket of the Hearing.

Q Do you recommend that the pools be abolished and extended as advertised and corrected?

A Yes, sir, I do.

MR. HATCH: I would like to move the introduction of exhibit 1 into evidence at this time.

MR. PORTER: Without objection, the exhibit will be admitted.

(Whereupon, exhibit 1 was offered and admitted into evidence.)

MR. PORTER: Any questions of Mr. Ramey? Mr. Ramey, do you have the potentials of these two wells from which they have proposed the discovery allowables?

A No, sir, I don't have. It seems like they were in the neighborhood of 300 barrels.

MR. PORTER: You do know that they would at this time be capable of producing three regular allowables plus the bonus?

A Yes, sir, at this time, they indicate to be.

MR. PORTER: Any further questions? The witness may be excused. Nothing further to be offered in this case, the Commission will take it under advisement, the Hearing is adjourned.

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

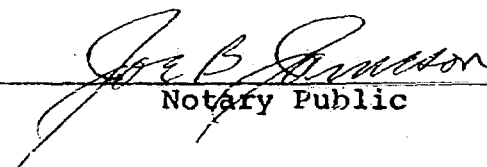
1120 SIMMS BLDG. • P.O. BOX 1092 • PHONE 243-6691 • ALBUQUERQUE, NEW MEXICO 87101
1400 FIRST NATIONAL BANK EAST • PHONE 256-1294 • ALBUQUERQUE, NEW MEXICO 87108

PAGE 6

STATE OF NEW MEXICO)
) ss.
COUNTY OF BERNALILLO)

I, JOE B. JAMESON, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me; and that the same is a true and correct record of the said proceedings, to the best of my knowledge, skill and ability.

Witness my Hand and Seal this 22nd day of August, 1967


Notary Public

My Commission Expires:

June 25, 1971.

CASE 3638: (a) CREATION OF A NEW OIL POOL

COUNTY LEA POOL NORTHWEST VACUUM-ABO

TOWNSHIP 17 South RANGE 34 East NMPM

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

PURPOSE: One completed oil well capable of producing.

MOBIL OIL CORPORATION - Bridges State #122 in Unit I of Section 3-17-34.

Completed in Abo on June 29, 1967. Top of Perforations 8662'.

Proposed pool boundary colored in red. SECTION 3: NE/4 SE/4

CASE 3638: (b) CREATION OF A NEW OIL POOL

COUNTY LEA

POOL SOUTH McCORMACK-SILURIAN

TOWNSHIP

22 South

RANGE

37 East

NMPM

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

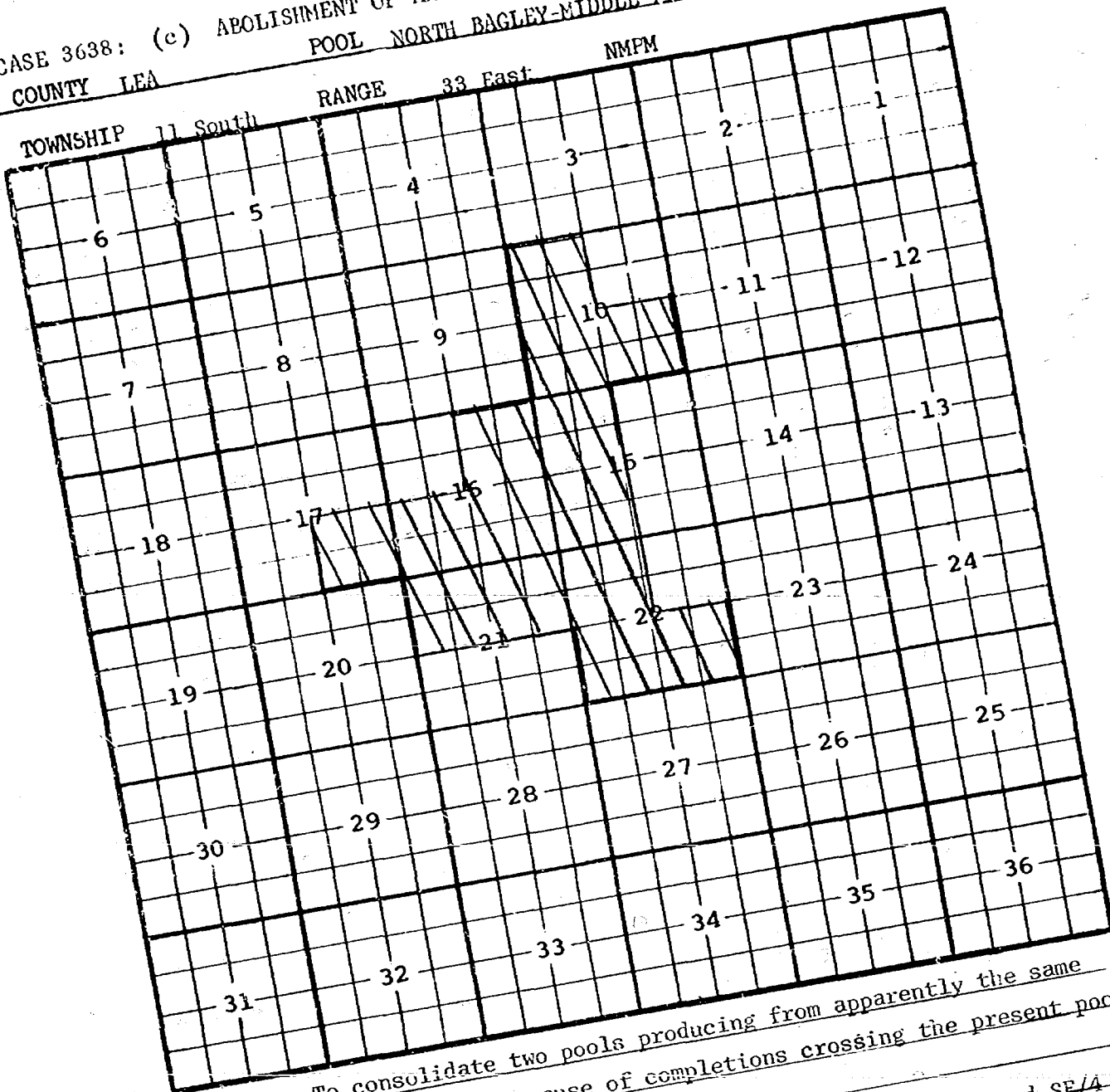
PURPOSE: One completed oil well capable of producing.

GULF OIL CORPORATION - R. E. Cole NCT-A #8 in Unit K of Section 16-22-37.

Completed in Silurian on June 15, 1967. Top of Perforations 7186'.

Proposed pool boundary colored in red. SECTION 16: NE/4 SW/4

CASE 3638: (c) ABOLISHMENT OF AN EXISTING OIL POOL
 COUNTY LEA RANGE 33 East NMPM

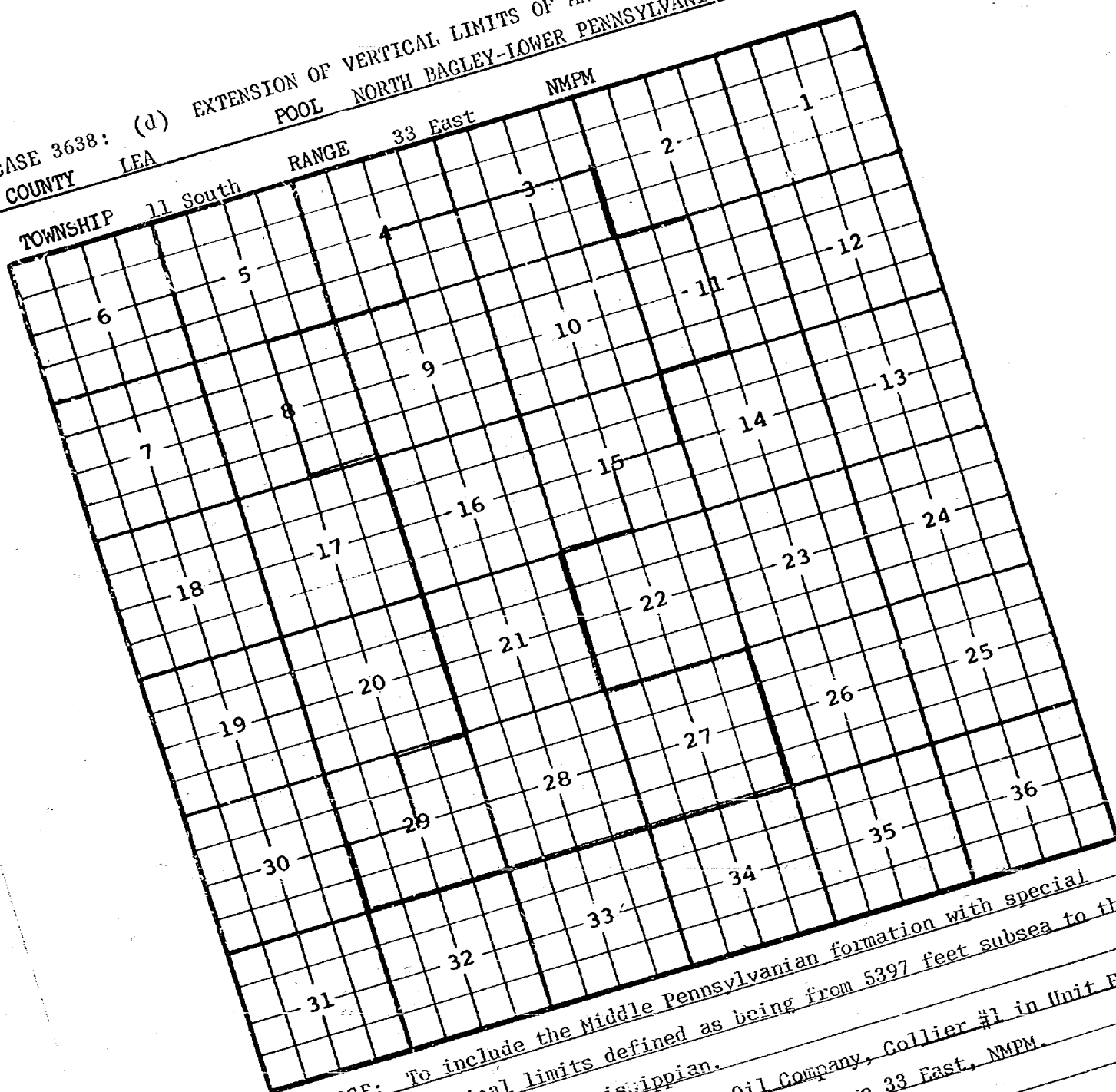


PURPOSE: To consolidate two pools producing from apparently the same reservoir and because of completions crossing the present pool boundaries.

Proposed pool abolishment colored in blue.

- SECTION 10: W/2 and SE/4
- SECTION 15: W/2
- SECTION 16: E/2 and SW/4
- SECTION 17: SE/4
- SECTION 21: N/2
- SECTION 22: W/2 and SE/4

CASE 3638: (d) EXTENSION OF VERTICAL LIMITS OF AN EXISTING OIL POOL.
COUNTY LEA POOL NORTH BAGLEY-LOWER PENNSYLVANIAN
TOWNSHIP 11 South RANGE 33 East NMPM



PURPOSE: To include the Middle Pennsylvanian formation with special vertical limits defined as being from 5397 feet subsea to the top of the Mississippian.

Type Log: Texas Pacific Oil Company, Collier #1 in Unit F of Section 10, Township 11 South, Range 33 East, NMPM.

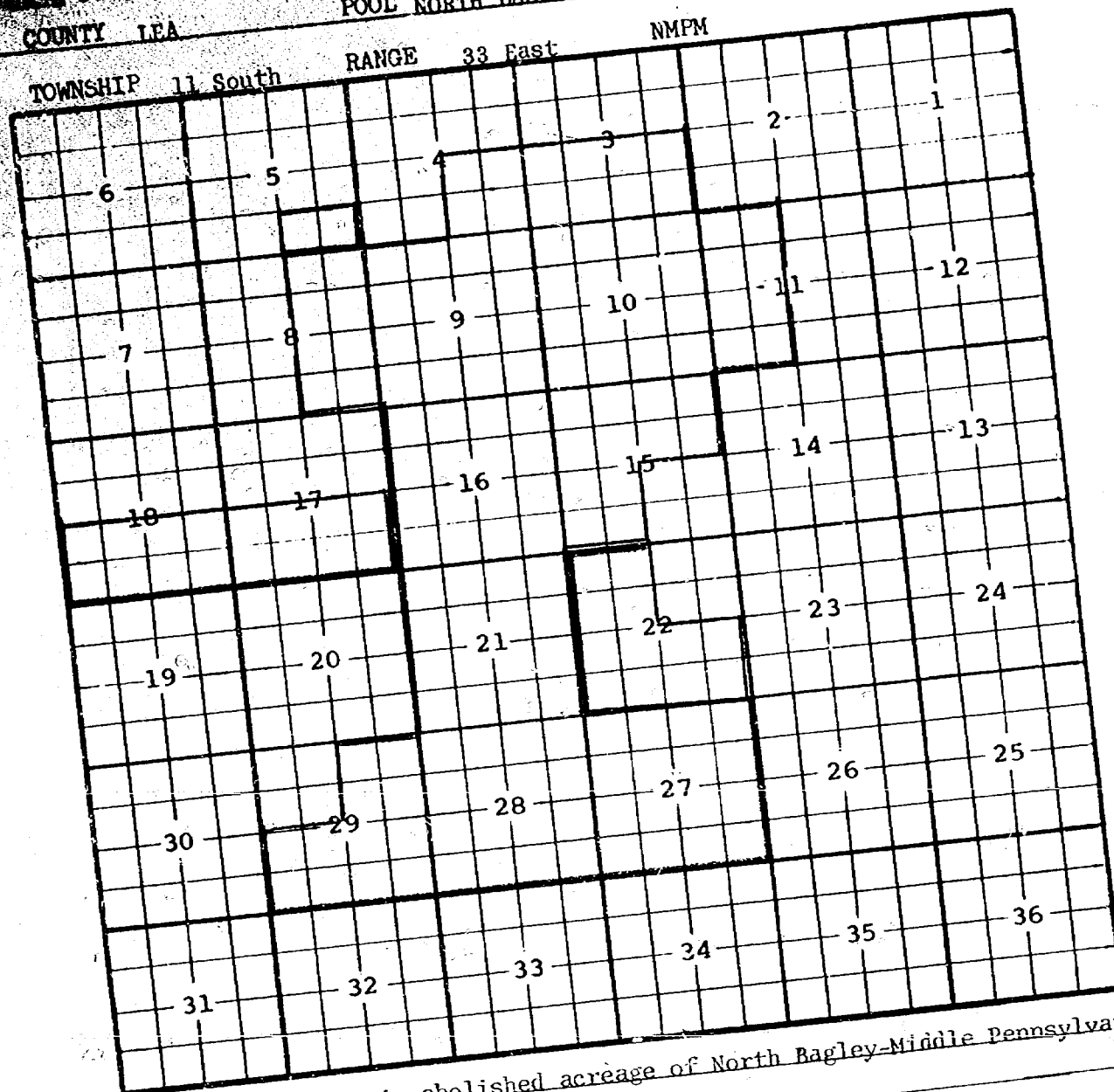
Pool boundary colored in red: SECTION 3: S/2
SECTION 4: SE/4
SECTION 8: E/2
SECTION 9: All
SECTION 10: All
SECTION 11: W/2
SECTION 15: W/2 and NE/4
SECTION 16: All
SECTION 21: All
SECTION 27: All
SECTION 28: All
SECTION 29: NE/4 and S/2

COUNTY LEA

TOWNSHIP 11 South

RANGE 33 East

NMPM



PURPOSE: To take in abolished acreage
Pool.
ADDITION--STOLTZ & COMPANY-CLARK--Sohio B #1 in Unit P of Section 5-11-33.
located in Middle Pennsylvanian on July 12, 1967. Top of

Pool boundary colored in red.

Proposed pool extension

ADDITIONS-----SECTION 5: S/2 SE/4

SECTION 17: SW/4

SECTION 18: S/2

ed in green. SECTION 17: SE/4
SECTION 22: W/2 and SE/4
ADDITIONS-----SECTION 5: S/2 SE/4
SECTION 17: SW/4
SECTION 18: S/2

CASE 3638: (f) ABOLISHMENT OF AN EXISTING OIL POOL

COUNTY LEA POOL INBE-WOLFCAMP

TOWNSHIP 11 South RANGE 34 East NMPM

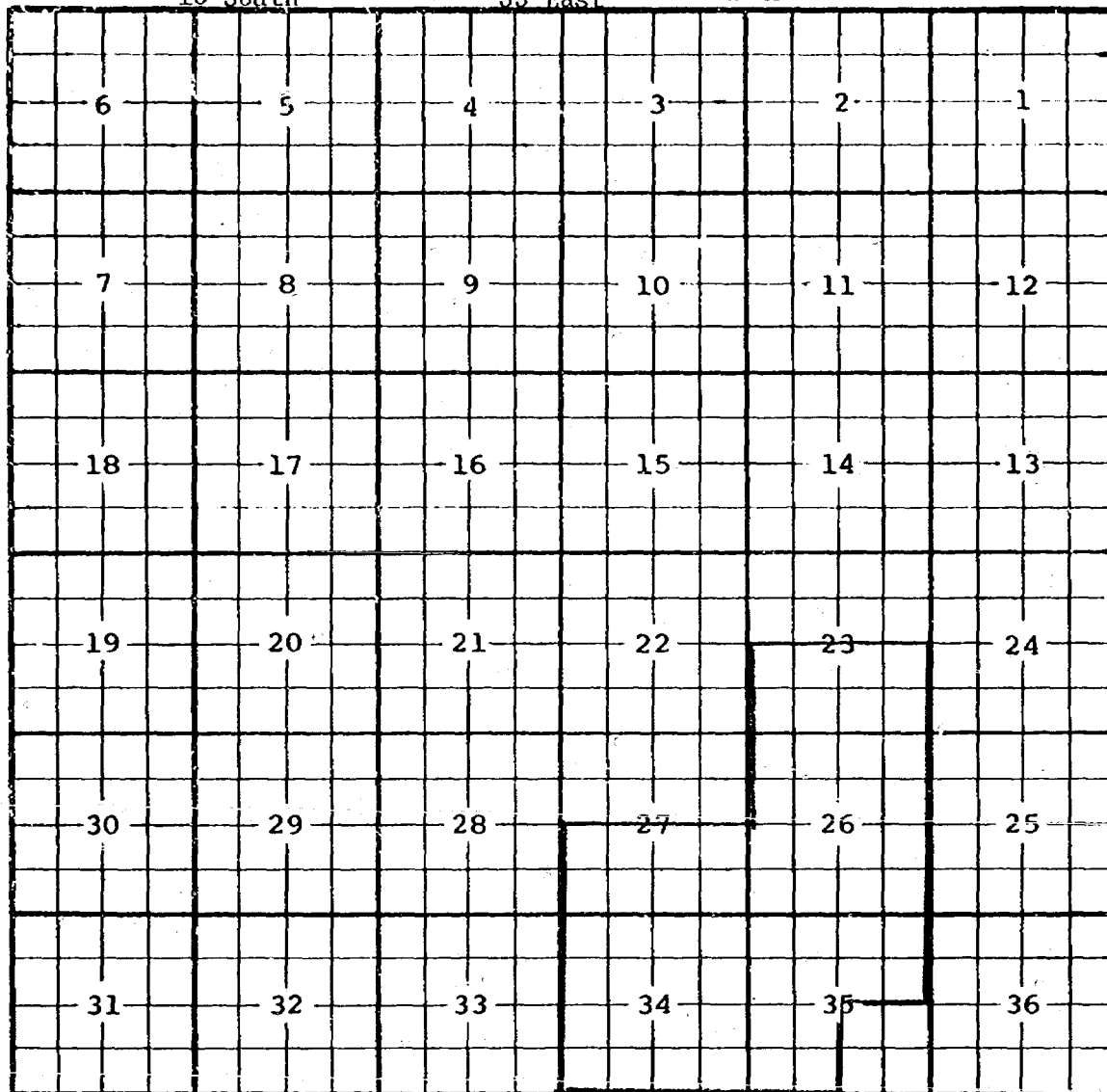
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

PURPOSE: Abolish said pool because of a request by Pubco Oil Company
due to the completion of their Humble "CC" State #5 in Unit M
of Section 34-10-33.

Proposed pool abolishment colored in blue. SECTION 7: SE/4

CASE 3638: (g) EXTENSION OF VERTICAL LIMITS OF AN EXISTING OIL POOL (Continued on next page)

COUNTY LEA POOL INBE-PENNSYLVANIAN
TOWNSHIP 10 South RANGE 33 East REDESIGNATED - INBE-PERMO PENNSYLVANIAN NMPM



PURPOSE: Extend the vertical limits to include the Wolfcamp formation because of the abolishment of the Inbe-Wolfcamp Pool.

Pool boundary colored in red. SECTION 23: S/2

SECTION 26: All

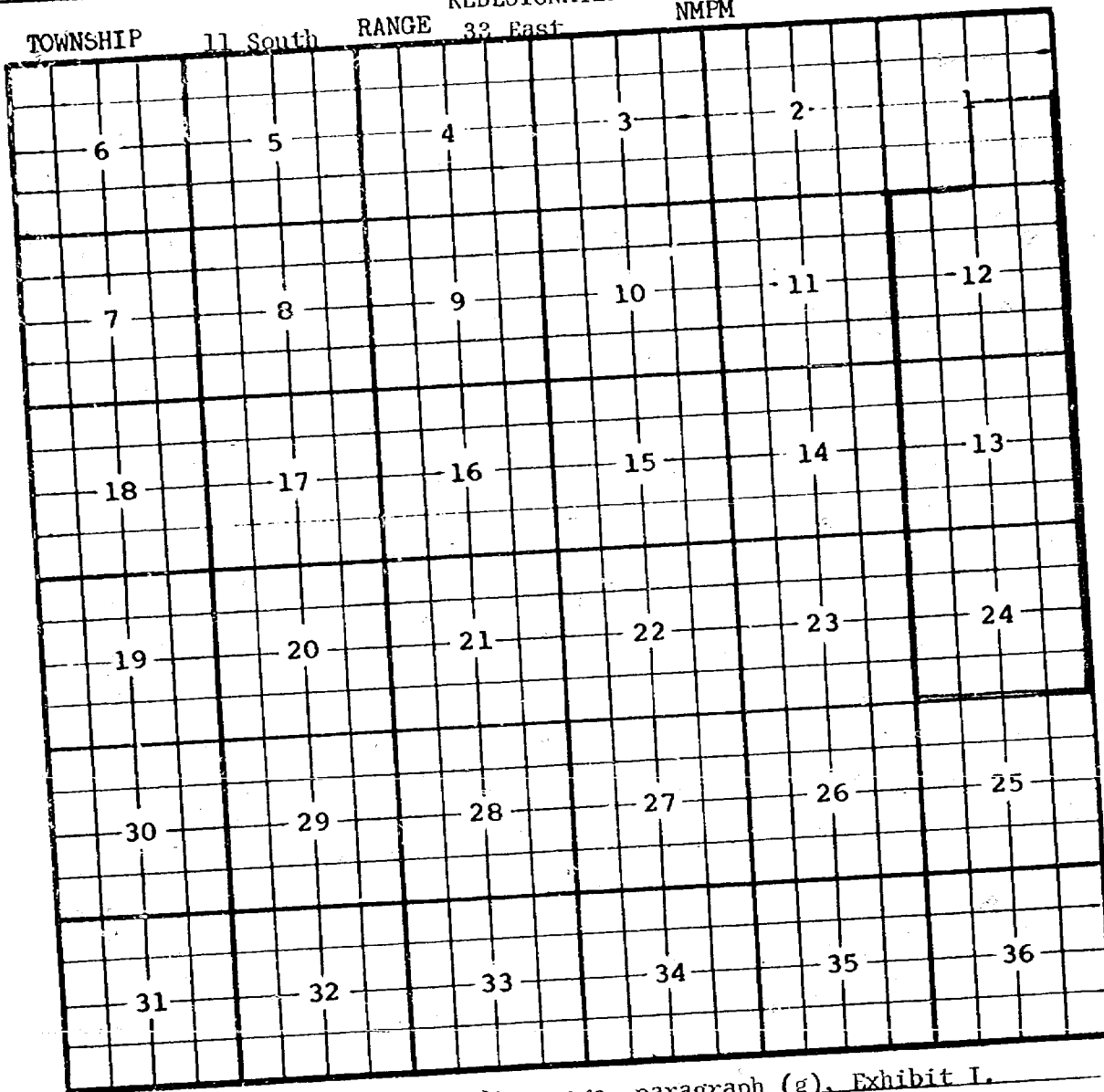
SECTION 27: S/2

SECTION 34: All

SECTION 35: W/2 and NE/4

CASE 3638: (g) EXTENSION OF VERTICAL LIMITS OF AN EXISTING OIL POOL (Continued on next page)

COUNTY LEA POOL INBE-PENNSYLVANIAN
 TOWNSHIP 11 South RANGE 33 East REDESIGNATED INBE-PERMO PENNSYLVANIAN NMPM



PURPOSE: As stated on preceding page, paragraph (g), Exhibit I.

Pool boundary colored in red. SECTION 1: SE/4

SECTION 12: All

SECTION 13: All

SECTION 24: All

CASE 3638: (g) EXTENSION OF VERTICAL LIMITS OF AN EXISTING OIL POOL (Continued)

COUNTY LEA POOL INBE-PENNSYLVANIAN
TOWNSHIP 11 South RANGE 34 East REDESIGNATED - INBE-PERMO PENNSYLVANIAN NMFM

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

PURPOSE: As stated on preceding page, paragraph (g), Exhibit I.

Pool boundary colored in red. SECTION 5: SW/4

SECTION 6: All

SECTION 7: All

SECTION 8: NW/4

SECTION 18: N/2, W/2 SW/4, and SE/4

CASE 3638: (h) EXTENSION OF AN EXISTING OIL POOL

COUNTY LEA

POOL BAR U-PENNSYLVANIAN

TOWNSHIP

9 South

RANGE

32 East

NMFM

6	5	4	3	2	
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

PURPOSE: One completed oil well capable of producing.

ROGER C. HANKS, LTD. - Bridwell State #1 in Unit G of Section 1-9-32.

Completed in Bough C on May 26, 1967. Top of Perforations 9138'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 1: NE/4

CASE 3638: (i) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

COUNTY ROOSEVELT POOL CHAVEROC-SAN ANDRES

TOWNSHIP 7 South RANGE 32 East NMFM

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

PURPOSE: Six completed oil wells capable of producing.

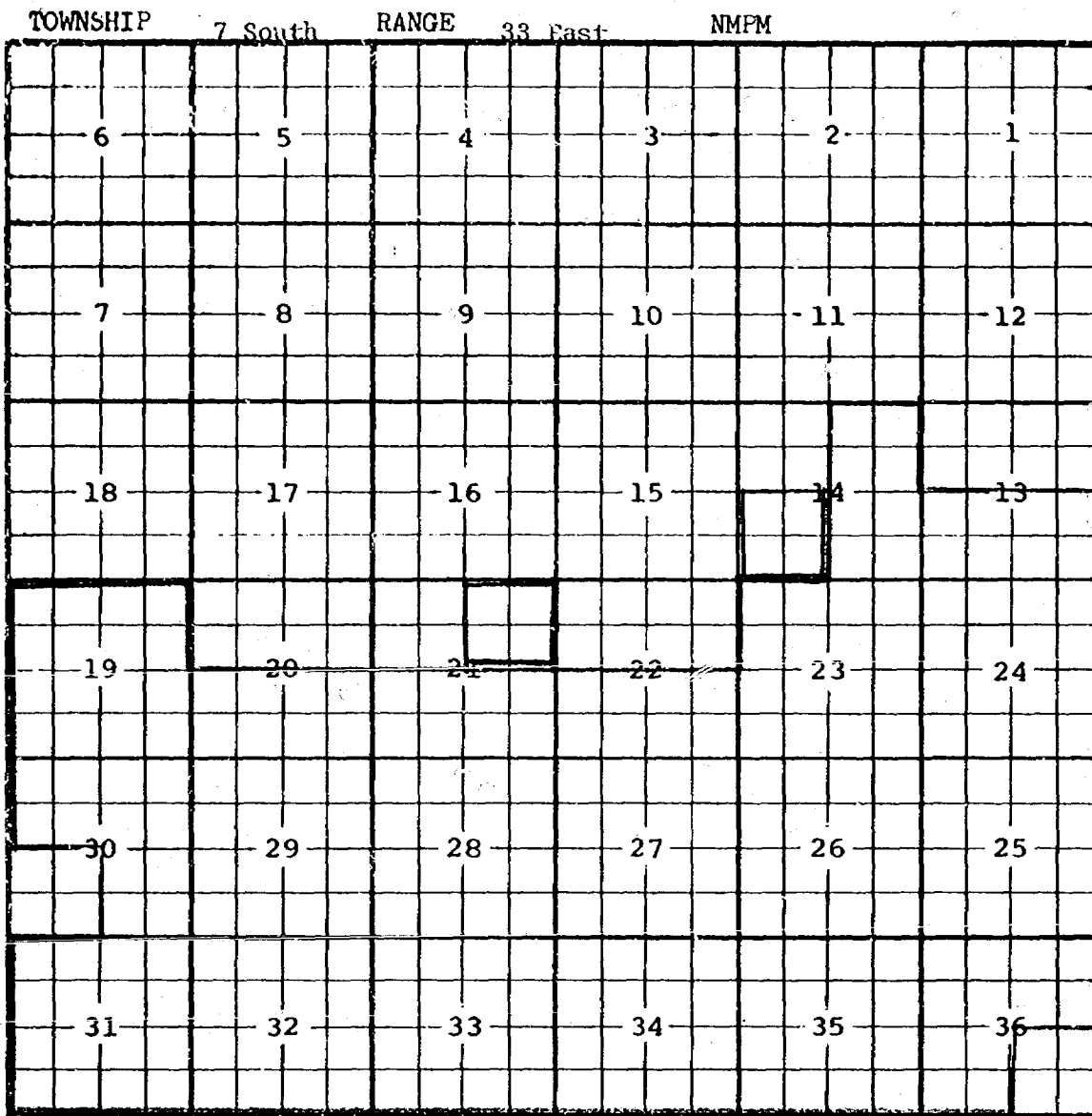
CHICO DRILLING COMPANY - Anderson State #1 in Unit O of Section 36-7-32. Completed in San Andres on June 19, 1967. Top of Perforations 4269'.

TAYLOR PRUITT - KMS #1 in Unit P of Section 36-7-32. Completed in San Andres on July 22, 1967. Top of Perforations 4177'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 36: SE/4

CASE 3638: (i) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)
 COUNTY ROOSEVELT POOL CHAVEROO-SAN ANDRES



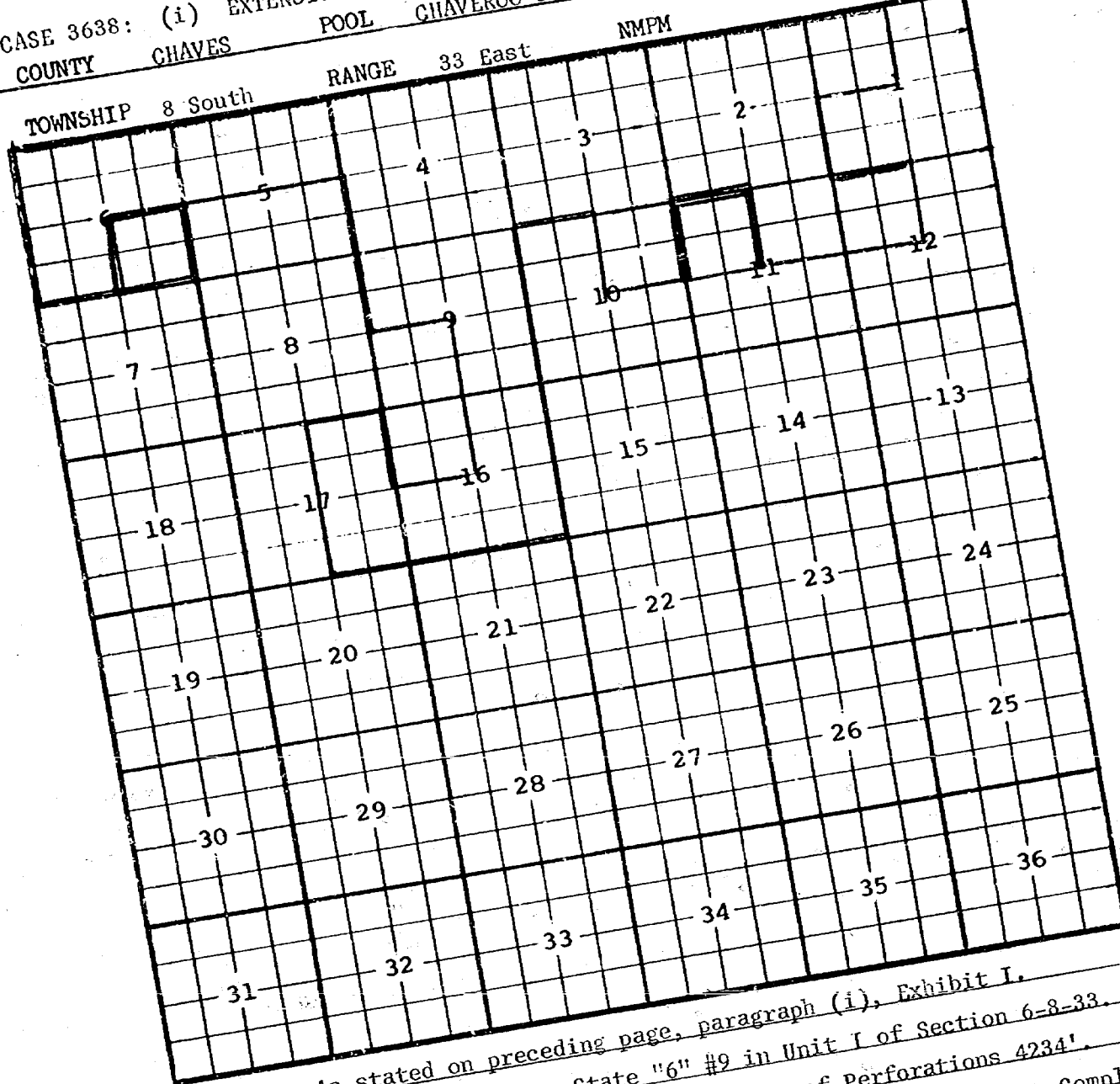
PURPOSE: As stated on preceding page, paragraph (i), Exhibit I.

MIDWEST OIL CORPORATION - Morgan Federal Tr. 3-B #6 in Unit N of Section 14-7-33. Completed in San Andres on June 8, 1967. Top of Perforations 4074'.

KERN COUNTY LAND COMPANY - Federal 21 A #1 in Unit H of Section 21-7-33. Completed in San Andres on June 20, 1967. Top of Perforations 4163'. Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 14: SW/4
 SECTION 21: NE/4

CASE 3638: (i) EXTENSION OF AN EXISTING OIL POOL (Continued)
COUNTY CHAVES POOL CHAVEROO-SAN ANDRES



PURPOSE: As stated on preceding page, paragraph (i), Exhibit I.
CHAMPLIN PETROLEUM COMPANY - State "6" #9 in Unit I of Section 6-8-33.
Completed in San Andres on June 6, 1967. Top of Perforations 4234'.
ROBERT N. ENFIELD - C. H. Hale #1 in Unit C of Section 11-8-33. Completed
in San Andres on May 15, 1967. Top of Perforations 4242'.
Pool boundary colored in red.
Proposed pool extensions colored in green. SECTION 6: SE/4
SECTION 11: NW/4

CASE 3638: (j) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

COUNTY LEA POOL INBE-PERMO PENNSYLVANIAN

TOWNSHIP 10 South RANGE 33 East NMFM

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

PURPOSE: Two completed oil wells capable of producing.

DELAWARE-APACHE CORPORATION - Midwest "A" State #1 in Unit C of Section 23-10-33. Completed in Bough C on June 18, 1967. Top of Perforations 9730'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 23: NW/4

CASE 3638: (j) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

COUNTY LEA

POOL INBE-PERMO PENNSYLVANIAN

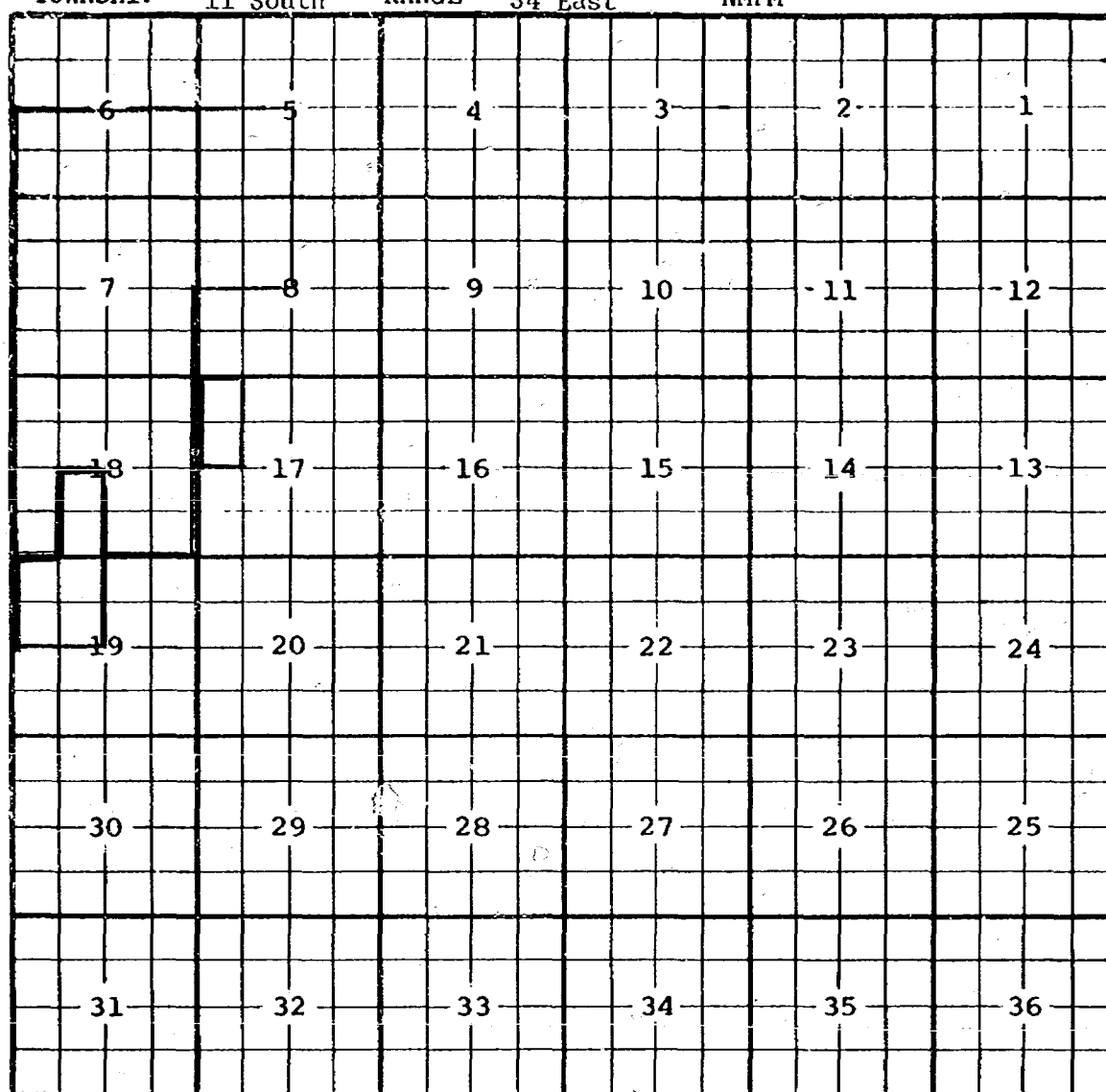
TOWNSHIP

11 South

RANGE

34 East

NMPM



PURPOSE: As stated on preceding page, paragraph (j), Exhibit I.

SOUTHLAND ROYALTY COMPANY - Shell State #1 in Unit D of Section 19-11-34. Completed in Rough C on June 8, 1967. Top of Perforations 9814'.

ADDITION--PENNZOIL COMPANY - Harris State 17 #1 in Unit E of Section 17-11-34. Completed in Rough C on June 25, 1967. Top of Perforations 9913'.

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 18: E/2 SW/4

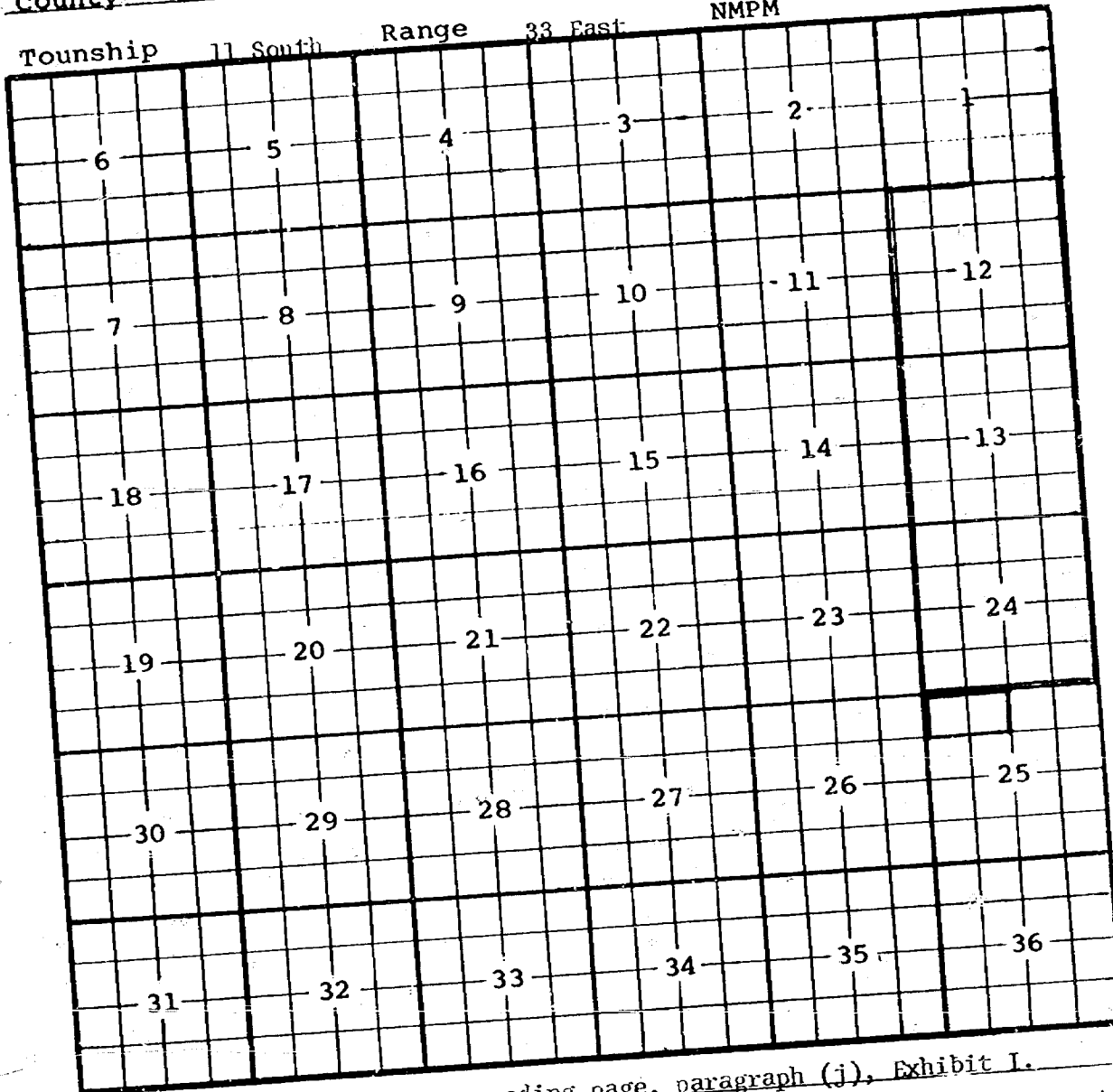
SECTION 19: NW/4

ADDITION-----SECTION 17: W/2 NW/4

CASE 3638: (j) EXTENSION OF AN EXISTING OIL POOL (Continued)

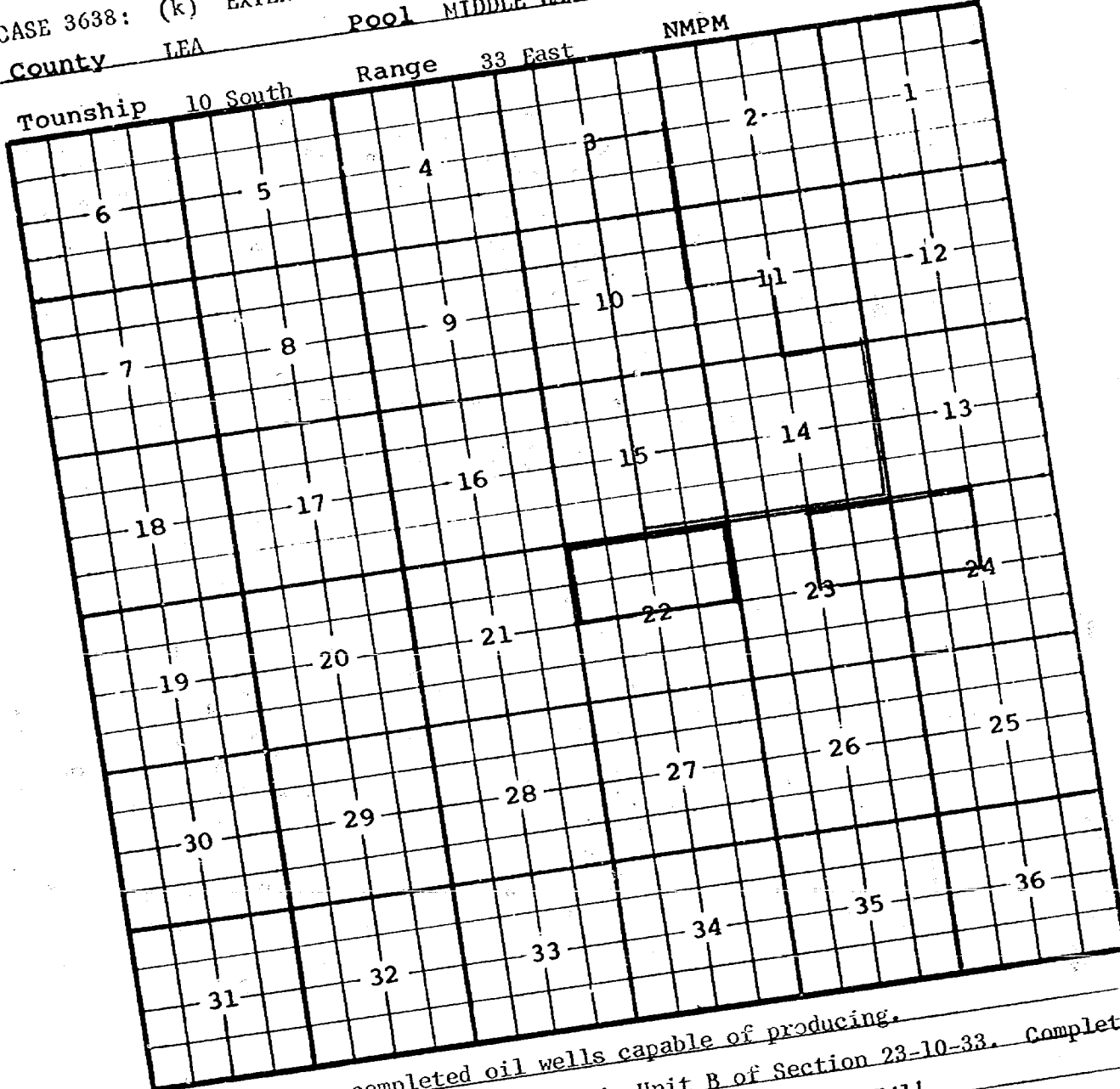
County LEA Pool INBE-PERMO PENNSYLVANIAN

Township 11 South Range 33 East NMPM



PURPOSE: As stated on preceding page, paragraph (j), Exhibit I.
 ADDITION--SOUTHLAND ROYALTY COMPANY - Epperson "A" #1 in Unit C of Section
 25-11-33. Completed in Bough "C" on July 8, 1967. Top of
 Perforations 9817'.
 Pool boundary colored in red.
 Proposed pool extension colored in green. SECTION 25: N/2 NW/4

CASE 3638: (k) EXTENSION OF AN EXISTING OIL POOL
County LEA Pool MIDDLE LANE-PERMO PENNSYLVANIAN



PURPOSE: Two completed oil wells capable of producing.
H. C. HCOD - Warren State 23 #1 in Unit B of Section 23-10-33. Completed
in Bough "C" on May 25, 1967. Top of Perforations 9741'.

THE LOUISIANA LAND & EXPL. COMPANY - State #4 in Unit D of Section 24-10-
33. Completed in Permo Pennsylvanian on May 12, 1967. Top of Perfora-
tions 9786'.

ADDITION--MAJOR & GIEBEL OILS - Nine Ranch, Inc. State #1 in Unit C of
Section 22-10-33. Completed in Bough C on July 2, 1967. Top
of Perforations 9681'.

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 23: NE/4
SECTION 24: NW/4
SECTION 22: N/2

ADDITION

CASE 3638:

Southeastern New Mexico nomenclature case calling for an order for the creation of two pools and the assignment of oil discovery allowables therein, and for the abolishment and horizontal and vertical extension of certain other pools in Lea, Chaves, and Roosevelt Counties, New Mexico:

(a) Create a new pool in Lea County, New Mexico, classified as an oil pool for Abo production and designated as the Northwest Vacuum Abo Pool, comprising the following-described acreage:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM
SECTION 3: NE/4 SE/4

Further, for the assignment of approximately 43,310 barrels of oil discovery allowable to the discovery well, Mobil Oil Corporation's Bridges State Well No. 122 located in Unit I of said Section 3.

(b) Create a new pool in Lea County, New Mexico, classified as an oil pool for Silurian production and designated as the South McCormack-Silurian Pool, comprising the following-described acreage:

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM
SECTION 16: NE/4 SW/4

Further, for the assignment of approximately 35,930 barrels of oil discovery allowable to the discovery well, Gulf Oil Corporation's R. E. Cole (NCT-A) Well No. 8 located in Unit K of said Section 16.

(c) Abolish the North Bagley-Middle Pennsylvanian Pool in Lea County, New Mexico, described as:

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM
SECTION 10: W/2 and SE/4
SECTION 15: W/2
SECTION 16: E/2 and SW/4
SECTION 17: SE/4
SECTION 21: N/2
SECTION 22: W/2 and SE/4

(d) Extend the vertical limits of the North Bagley-Lower Pennsylvanian Pool in Lea County, New Mexico, to include the Middle Pennsylvanian formation with special vertical limits defined as being from 5397 feet subsea to the top of the Mississippian. Type Log: Texas Pacific Oil Company's Collier No. 1 located in Unit F of Section 10, Township 11 South, Range 33 East, NMPM.

(e) Extend the horizontal limits of the North Bagley-Lower Pennsylvanian Pool to include therein:

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM
SECTION 17: SE/4
SECTION 22: W/2 and SE/4

ADDITIONS-----SECTION 5: S/2 SE/4
SECTION 17: SE/4

SECTION 17: SW/4
SECTION 18: S/2

(f) Abolish the Inbe-Wolfcamp Pool in Lea County, New Mexico, described as:

TOWNSHIP 11 SOUTH, RANGE 34 EAST, NMPM
SECTION 7: SE/4

(g) Extend the vertical limits of the Inbe-Pennsylvanian Pool in Lea County, New Mexico, to include the Wolfcamp formation and redesignate said pool as Inbe-Permo Pennsylvanian Pool.

(h) Extend the Bar U-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 9 SOUTH, RANGE 32 EAST, NMPM
SECTION 1: NE/4

(i) Extend the Chaveroo-San Andres Pool in Chaves and Roosevelt Counties, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 32 EAST, NMPM
SECTION 36: SE/4

TOWNSHIP 7 SOUTH, RANGE 33 EAST, NMPM
SECTION 14: SW/4
SECTION 21: NE/4

TOWNSHIP 8 SOUTH, RANGE 33 EAST, NMPM
SECTION 6: SE/4
SECTION 11: NW/4

(j) Extend the Inbe-Permo Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM
SECTION 23: NW/4

TOWNSHIP 11 SOUTH, RANGE 34 EAST, NMPM
SECTION 18: E/2 SW/4
SECTION 19: NW/4

ADDITION-----SECTION 17: W/2 NW/4

ADDITION-----TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM
SECTION 25: N/2 NW/4

(k) Extend the Middle Lane-Permo Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM
SECTION 23: NE/4
SECTION 24: NW/4

ADDITION-----SECTION 22: N/2

ORIGINAL BOUNDING

DOCKET: REGULAR HEARING - WEDNESDAY - AUGUST 16, 1967

NEW POOLS

a) it is recommended that a new oil pool be created and designated as the NORTHWEST VACUUM-ABO Pool.

Vertical limits to be the Abo formation and the horizontal limits should be as follows: As shown in Paragraph (a), Exhibit I

Discovery well was Mobil Oil Corporation - Bridges State #122 located in Unit I Section 3 Township 17 Range 34 and was completed on June 29, 1967 with an initial potential of 43,310 BOPD/MCFPD. Top of perforations is at 8662 feet.

b) It is recommended that a new oil pool be created and designated as the SOUTH McCORMACK-SILURIAN Pool.

Vertical limits to be the Silurian formation and the horizontal limits should be as follows: As shown in Paragraph (b), Exhibit I

Discovery well was Gulf Oil Corporation - R. E. Cole NCT-A #8 located in Unit K Section 16 Township 22 Range 37 and was completed on June 15, 1967 with an initial potential of 35,930 BOPD/MCFPD. Top of perforations is at 7186 feet.

It is recommended that a new pool be created and designated as the Pool.

Vertical limits to be the formation and the horizontal limits should be as follows:

Discovery well was located in Unit Section Township Range and was completed on with an initial potential of BOPD/MCFPD. Top of perforations is at feet.