

CASE 3656:

SOUTHEASTERN NEW MEXICO
NOMENCLATURE

CASE No.

3656

Application,
TRANSCRIPTS,
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. 3656
Order No. R-3319

THE APPLICATION OF THE OIL CONSERVATION
COMMISSION UPON ITS OWN MOTION FOR AN
ORDER CREATING, CONTRACTING BY DELETION,
AND EXTENDING CERTAIN POOLS IN CHAVES,
EDDY, LEA, AND ROOSEVELT COUNTIES, NEW
MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on September 13, 1967, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 13th day of September, 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 the proposed creation of a new pool in Lea County, New Mexico, for Pennsylvanian production, to be designated the North Morton-Permo Pennsylvanian Pool should be dismissed, inasmuch as Order No. R-3315 dated September 11, 1967, created the North Morton Permo-Pennsylvanian Pool comprising the NW/4 of Section 32, Township 14 South, Range 35 East, NMPM, Lea County, New Mexico, and promulgated special rules therefor. That the discovery well for said pool, Olen F. Featherstone's Mobil-State Well No. 1, located in Unit E of said Section 32, is

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entitled to and should receive a bonus discovery oil allowable in the amount of 52,140 barrels to be assigned over a two-year period. The top of the perforations is at 10,428 feet.

(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 Bone Springs formation, said pool to bear the designation of Wilson-Bone Springs Pool. Said Wilson-Bone Springs Pool was discovered by Robert J. Leonard, Wilson State No. 1, located in Unit K of Section 19, Township 21 South, Range 35 East, NMPM. It was completed in Bone Springs on July 10, 1967. The top of the perforations is at 9410 feet.

(4) That there is need for the creation of a new gas pool in Eddy County, New Mexico, for the production of gas from the Morrow formation, said pool to bear the designation of Paduca-Morrow Gas Pool. Said Paduca-Morrow Gas Pool was discovered by Texaco Inc., Cotton Draw Unit No. 65, located in Unit G of Section 2, Township 25 South, Range 31 East, NMPM. It was completed in Morrow on June 3, 1967. The top of the perforations is at 14,787 feet.

(5) That there is need for the creation of a new gas pool in Eddy County, New Mexico, for the production of gas from the Wolfcamp formation, said pool to bear the designation of Paduca-Wolfcamp Gas Pool. Said Paduca-Wolfcamp Gas Pool was discovered by Texaco Inc., Cotton Draw Unit No. 65, located in Unit G of Section 2, Township 25 South, Range 31 East, NMPM. It was completed in Wolfcamp on June 3, 1967. The top of the perforations is at 12,803 feet.

(6) That there is need for the deletion of certain acreage from the Square Lake Grayburg-San Andres Pool in Eddy County, New Mexico, in order that said acreage in the Grayburg Jackson San Andres Unit may be placed in the Grayburg-Jackson Pool.

(7) That there is need for certain extensions to the Acme-San Andres Pool and the Tom-tom San Andres Pool, both in Chaves County, New Mexico, the Grayburg-Jackson Pool, the Lusk-Strawn Pool, the Penasco Draw San Andres-Yeso Pool, and the Springs-Upper Pennsylvanian Gas Pool, all in Eddy County, New Mexico, the North Bagley-Upper Pennsylvanian Pool, the East Mason-Delaware Pool, the Tatum-Wolfcamp Pool, the Vacuum-Upper Pennsylvanian Pool, the North Vacuum-Lower Wolfcamp Pool, and the Vada-Pennsylvanian Pool, all in Lea County, New Mexico, and the Todd-Lower San Andres Pool in Roosevelt County, New Mexico.

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IT IS THEREFORE ORDERED:

(a) That the proposed creation of the North Morton-Permo Pennsylvanian Pool in Lea County, New Mexico, is hereby dismissed. That the discovery well for the North Morton Permo-Pennsylvanian Pool which comprises the NW/4 of Section 32, Township 14 South, Range 35 East, NMPM, Lea County, New Mexico, the Olen F. Featherstone Mobil-State No. 1, located in Unit E of said Section 32, is hereby authorized an oil discovery allowable of 52,140 barrels to be assigned to said well at the rate of 72 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 Bone Springs production, is hereby created and designated as the Wilson-Bone Springs Pool, consisting of the following-described area:

TOWNSHIP 21 SOUTH, RANGE 35 EAST, NMPM
Section 19: SW/4

(c) That a new pool in Eddy County, New Mexico, classified as a gas pool for Morrow production, is hereby created and designated as the Paduca-Morrow Gas Pool, consisting of the following-described area:

TOWNSHIP 25 SOUTH, RANGE 31 EAST, NMPM
Section 2: N/2

(d) That a new pool in Eddy County, New Mexico, classified as a gas pool for Wolfcamp production, is hereby created and designated as the Paduca-Wolfcamp Gas Pool, consisting of the following-described area:

TOWNSHIP 25 SOUTH, RANGE 31 EAST, NMPM
Section 2: NE/4

(e) That the Acme-San Andres Pool in Chaves County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 8 SOUTH, RANGE 27 EAST, NMPM
Section 4: E/2 NW/4

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(f) That the North Bagley-Upper 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 28: NE/4

(g) That the Lusk-Strawn Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 19 SOUTH, RANGE 31 EAST, NMPM
Section 11: NW/4 and SE/4

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

TOWNSHIP 26 SOUTH, RANGE 32 EAST, NMPM
Section 17: S/2

(i) That the Penasco Draw San Andres-Yeso Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 18 SOUTH, RANGE 25 EAST, NMPM
Section 24: S/2 SE/4

(j) That the Springs-Upper Pennsylvanian Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 20 SOUTH, RANGE 26 EAST, NMPM
Section 34: S/2

(k) That the Square Lake Grayburg-San Andres Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby contracted by the deletion of the following-described area:

TOWNSHIP 17 SOUTH, RANGE 30 EAST, NMPM
Section 12: NE/4

(l) That the Grayburg-Jackson Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is

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hereby extended to include therein:

TOWNSHIP 17 SOUTH, RANGE 30 EAST, NMPM
Section 12: NE/4

(m) That the Tatum-Wolfcamp Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 13 SOUTH, RANGE 36 EAST, NMPM
Section 5: NW/4

(n) That the Todd-Lower San Andres Pool in Roosevelt County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 7 SOUTH, RANGE 36 EAST, NMPM
Section 31: NE/4

(o) That the Tom-tom San Andres Pool in Chaves County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 7 SOUTH, RANGE 31 EAST, NMPM
Section 34: N/2 SE/4, N/2 SW/4, and
S/2 NW/4

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

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM
Section 13: SW/4

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

TOWNSHIP 16 SOUTH, RANGE 34 EAST, NMPM
Section 34: W/2 SE/4 and W/2 SW/4

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM
Section 2: W/2
Section 3: NW/4

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CASR No. 3656
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(r) That the Vada-Pennsylvanian Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 9 SOUTH, RANGE 34 EAST, NMPM
Section 16: SW/4
Section 17: NE/4

IT IS FURTHER ORDERED:

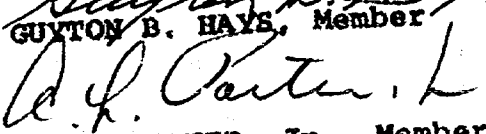
That the effective date of this order and all creations, contraction, and extensions included herein shall be October 1, 1967.

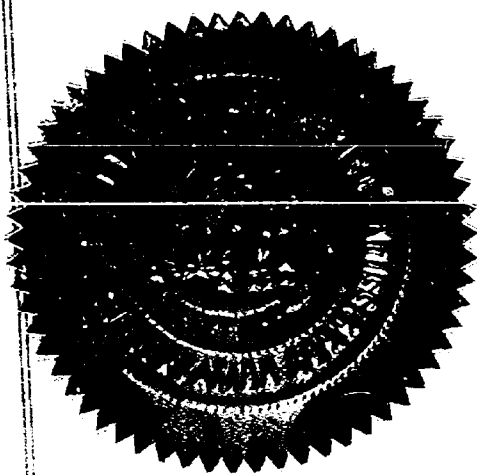
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


DAVID F. CARGO, Chairman


GUYTON B. HAYS, Member


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



esr/

Docket No. 28-67

DOCKET: REGULAR HEARING - WEDNESDAY - SEPTEMBER 13, 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 October, 1967;
(2) Consideration of the allowable production of gas for October, 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 October, 1967.

CASE 3655:

In the matter of the hearing called by the Oil Conservation Commission upon its own motion to consider temporary extension of Emergency Order No. E-25, issued by the Commission August 21, 1967, to be effective for 15 days from 7 o'clock a.m., September 1, 1967. Said emergency order, applicable to Lea, Chaves, Eddy and Roosevelt Counties because of the recent unprecedented increases in Southeast New Mexico normal unit allowables, suspended the provision of Rule 301(d) of the Commission Rules and Regulations which requires that no well shall be assigned an allowable greater than the amount of oil produced on official tests during a 24-hour period.

CASE 3614 (DE NOVO):

Application of Shiprock Corporation for an amendment to Order No. R-1438, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-1438, which order established special rules for the Shiprock-Gallup Oil Pool. Applicant seeks the deletion of that provision of said rules which provides that wells shall not be located closer than 300 feet to the nearest well producing from the same pool. Applicant would further amend said rules to permit the drilling of wells closer than 165 feet to the outer boundary of the quarter-quarter section, but in no event closer than 165 feet to the boundary of acreage owned by an offset operator.

Upon application of Universal Oil Corporation, this case will be heard DE NOVO under the provisions of Rule 1220 of the Commission Rules and Regulations.

CASE 3656: Southeastern New Mexico nomenclature case calling for an order for the creation of one pool and the assignment of an oil discovery allowable therein, and the creation of one other oil pool and two gas pools, and for the extension and contraction of certain other pools in Lea, Chaves, Eddy, and Roosevelt Counties.

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

TOWNSHIP 14 SOUTH, RANGE 35 EAST, NMPM
Section 32: NW/4

Further, for the assignment of approximately 52,140 barrels of oil discovery allowable to the discovery well, Olen F. Featherstone's Mobil State Well No. 1 located in Unit E of said Section 32.

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

TOWNSHIP 21 SOUTH, RANGE 35 EAST, NMPM
Section 19: SW/4

(c) Create a new pool in Eddy County, New Mexico, classified as a gas pool for Morrow production and designated as the Paduca-Morrow Gas Pool. The discovery well is the Texaco Inc. Cotton Draw Unit Well No. 65, located in Unit G of Section 2, Township 25 South, Range 31 East, NMPM. Said pool described as:

TOWNSHIP 25 SOUTH, RANGE 31 EAST, NMPM
Section 2: N/2

(d) Create a new pool in Eddy County, New Mexico, classified as a gas pool for Wolfcamp production and designated as the Paduca-Wolfcamp Gas Pool. The discovery well is the Texaco Inc. Cotton Draw Unit Well No. 65, located in Unit G of Section 2, Township 25 South, Range 31 East, NMPM. Said pool described as:

TOWNSHIP 25 SOUTH, RANGE 31 EAST, NMPM
Section 2: NE/4

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Docket No. 28-67

September 13, 1967 Regular Hearing

(e) Extend the Acme-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 8 SOUTH, RANGE 27 EAST, NMPM
Section 4: E/2 NW/4

(f) Extend the North Bagley-Upper Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM
Section 28: NE/4

(g) Extend the Lusk Strawn Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 31 EAST, NMPM
Section 11: NW/4 & SE/4

(h) Extend the East Mason-Delaware Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 26 SOUTH, RANGE 32 EAST, NMPM
Section 17: S/2

(i) Extend the Penasco Draw San Andres-Yeso Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 25 EAST, NMPM
Section 24: S/2 SE/4

(j) Extend the Springs-Upper Pennsylvanian Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 26 EAST, NMPM
Section 34: S/2

(k) Contract the Square Lake Pool in Eddy County, New Mexico, by the deletion of the following-described acreage:

TOWNSHIP 17 SOUTH, RANGE 30 EAST, NMPM
Section 12: NE/4

(l) Extend the Grayburg-Jackson Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 30 EAST, NMPM
Section 12: NE/4

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Docket No. 28-67

September 13, 1967 Regular Hearing

(m) Extend the Tatum-Wolfcamp Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 13 SOUTH, RANGE 36 EAST, NMPM
Section 5: NW/4

(n) Extend the Todd-Lower San Andres Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 36 EAST, NMPM
SECTION 31: NE/4

(o) Extend the Tom-tom San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 31 EAST, NMPM
Section 34: N/2 SE/4

(p) Extend the Vacuum-Upper Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM
Section 13: SW/4

(q) Extend the North Vacuum-Lower Wolfcamp Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM
Section 2: W/2
Section 3: NW/4

(r) Extend the Vada-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 9 SOUTH, RANGE 34 EAST, NMPM
Section 17: NE/4

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Docket No. 29-67

DOCKET: EXAMINER HEARING - WEDNESDAY - SEPTEMBER 13, 1967

10:30 A. M. - OIL CONSERVATION COMMISSION CONFERENCE ROOM
STATE LAND OFFICE BUILDING - SANTA FE, NEW MEXICO

The following case will be heard before Daniel S. Nutter, Examiner, or
Elvis A. Utz, Alternate Examiner:

CASE 3657:

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 into the Devonian formation through the Mobil State "GG" Well No. 1 located 1980 feet from the South and East lines of Section 10, Township 11 South, Range 34 East, Sand Springs-Devonian Pool, Lea County, New Mexico.

ir/

**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 filled and attachments made in accordance with the provisions of Rule 509.
If discovery is claimed for more than one zone, separate forms must be filled for each.

Case 3656

Operator Olen F. Featherstone		Address Petroleum Building, Roswell, New Mexico	
Lease Name Mobil - State		Well No. 1	County Lea
Well Location Unit Letter E ; 2310 Feet from The North Line and 330 Feet From the West Line of Section 32 , Township 14 South , Range 35 East , NMPM			
Suggested Pool Names (List in order of preference) 1. Olen F. 2. North Morton 3. Featherstone			
Name of Producing Formation Permo - Penn		Perforations 10428-30, 10434-38, 10444-48, 10452-56	Date of Filing Form C-104 8-4-67
Was "Affidavit of Discovery" Previously Filled For This Well in this Pool? No.		If Yes, Give Date of Filing -	Date Well was Spudded 6-18-67
Total Depth 10724		Plugged Back Depth 10660	Depth Casing Shoe 10688
Tubing Depth 10395		Elevation (Gr., DF, RKB, RT, etc.) 4040 Gr.	
Oil Well Potential (Test to be taken only after all load oil has been recovered) 264 Bbls. Oil Per Day Based On 137 Bbls In 12 Hours; 0 Bbls Water Per Day Based On 0 Bbls In 24 Hours; Gas Production During Test: 142 MCF; Gas-Oil Ratio: 538 Method Of Producing: Flowing Chk. Size 8/64			

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 Morton	Name of Producing Formation Permo-Penn	Top of Pay 10200	Bottom of Pay 10410	Currently Producing? Yes
Horizontal Distance and Direction from Subject Discovery Well to the Nearest Well in this Pool One and one-half miles southwest		Vertical Distance from Subject Discovery Zone to Producing Interval this Pool 50' below (approx)		

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

Pool Name Morton	Top of Pay 10200	Bottom of Pay 10400	Currently Producing? Yes
Horizontal Distance and Direction from Subject Discovery Well to the Nearest Well in this Comparable Pool One and one-half miles southwest			

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

Is the Subject Well Multiple Completion? No.	Is Discovery Allowable Requested for other Zone(s)? No.	If Yes, Name all Such Formations DOCKET MAILED
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LIST ALL OPERATORS OWNING LEASES WITHIN ONE MILE OF THIS WELL (Attach additional sheet if necessary)

NAME	ADDRESS
Tenneco Oil Corp.	P.O. Box 1031, Midland, Texas
Union Oil of California	300 Security Natl. Bank Bldg. Roswell, N.M.
Amerada Pet. Corp.	Petroleum Life Building, Midland, Texas
Cities Service Oil Co.	Vaughn Building, Midland, Texas
Olen F. Featherstone	Petroleum Building, Roswell, New Mexico

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:	Exhibit A. - Plat 1" = 1000'	Exhibit D. - Subsurface Structure
	Exhibit B. - Plat 1" = 4000'	Exhibit E. - Reservoir Summary
	Exhibit C. - Geological Cross Section	Exhibit F. - Electric Log

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.

Agent

8-18-1967

EXHIBIT E.

SUMMARY OF RESERVOIR DATA

OLEN F. FEATHERSTONE #1. MOBIL STATE
NW/4 SECTION 32, TOWNSHIP 14 SOUTH - RANGE 35 EAST, N.M.P.M.
LEA COUNTY, NEW MEXICO

Date of Discovery	August 1, 1967
Name of Producing Formation	Permo-Penn
Virgin B.H.P. psig	4005
G.O.R. Cu. ft. per bbl.	538
Average Porosity %	10.0%
Permeability	Excellent
Net Pay	14 feet
Crude Gravity	42.4

[illegible]

*Jim Kiptera. I did not have time to
get this to Hobbs this month. Please
accept my apologies and get this advertised.*

67 AUG 24

Oil Conservation Commission
Artesia, New Mexico
District No. II

6 K

NOMENCLATURE ADVERTISEMENT FOR SEPTEMBER, 1967

Case 3656

D = Deletion
C = Creation
EX = Extension

COUNTY		POOL NAME	DESCRIPTION	CAUSE
Eddy	D	Square Lake (G-SA)	T17S-R30E Sec. 12: NE/4	To place all acreage in the Grayburg Jackson SA Unit in the Grayburg Jackson Pool ✓
Eddy	✓ C	Paduca-Morrow- Gas	T25S-R31E Sec. 2: N/2	Texaco Inc., Cotton Draw Unit #65 G, 2-25-31 ✓
Eddy	✓ C	Paduca-Wolfcamp- Gas	T25S-R31E Sec. 2: NE/4	Same ✓
Chaves	✓ EX	Acme (SA)	T8S-R27E Sec. 4: E/2 NW/4	Dr. Sam G. Dunn Avalanche Journal #1-F, 4-8-27 ✓
Eddy	✓ EX	Grayburg Jackson (Q-G-SA)	T17S-R30E Sec. 12: NE/4	As noted in item one above ✓
Eddy	EX	Lusk-Strawn	T19S-R31E Sec. 11: NW/4 & SE/4	Continental Oil Co., Read II Fed. #1-O, 11-19-31, ✓ Gulf Oil Corporation Holder "CT" Fed. #1-F, 11-19-31
Eddy	EX	Penasco Draw X San Andres-Yeso	T18S-R25E Sec. 24: S/2 SE/4	Yates Pet. Corp. Mobil BB #1-O, 24-18-25 ✓
Eddy	EX	Springs-Upper Pennsylvanian Gas	T20S-R26E Sec. 34: S/2	Gulf Oil Corporation Springs Unit #3-L, 34-20-26 ✓

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11120 SIMMAS BLDG. • P. O. BOX 1092 • PHONE 243-6691 • ALBUQUERQUE, NEW MEXICO

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IN THE MATTER OF:

Case 3656

TRANSCRIPT OF HEARING

MR. PORTER: We'll take up Case 3656.

MR. HATCH: Case 3656. Southeastern New Mexico nomenclature case calling for an order for the creation of one pool and the assignment of an oil discovery allowable therein, and the creation of one other oil pool and two gas pools, and for the extension and contraction of certain other pools in Lea, Chaves, Eddy and Roosevelt Counties.

(Witness sworn)

D A N N U T T E R, called as a witness, having been first duly sworn, was examined and testified as follows:

DIRECT EXAMINATION

BY MR. HATCH:

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

A Dan Nutter, Chief Engineer for the Oil Conservation Commission.

Q Are you prepared to make recommendations to the Commission concerning the creation of a new oil pool and the assignment of an oil discovery allowable therein and the creation of one other oil pool and two gas pools and for the extension and contraction of certain other pools in Lea, Chaves, Eddy and Roosevelt Counties?

A Yes, sir.

Q Have you, or someone under your supervision, prepared an exhibit or exhibits relative to your recommendations?

A Yes, I have.

Q What is the exhibit number, please?

(OCC Exhibit 1 was marked
for identification)

A This has been identified as Oil Conservation Commission's Exhibit 1, in Case 3656.

Q Please refer to Exhibit 1 and to paragraph A, in Case 3656 and make your recommendations concerning the creation of a new oil pool and the assignment of an oil discovery allowable for Olen F. Featherstone Mobil State Number 1.

A Paragraph A of 3656 calls for the creation of a new pool for Pennsylvanian production to be designated the North Morton-Pennsylvanian Pool, Order 3515 established the North Morton Permo Pennsylvanian Pool comprising the northwest quarter of Section 32, Township 14 South, Range 35 East, for this well and promulgated special rules for this pool, including a provision for 80 acre spacing. I recommend that the creation of this new pool be dismissed.

The assignment of 52,140 barrels discovery allowable should be made to the discovery well, Olen F. Featherstone's Mobil State Well Number 1, located in Unit E of said Section

32.

As far as the creation of the oil pool, in paragraph B and the creation of the two gas pools in paragraphs C and D, I would recommend that they be created. I recommend that all the extensions shown on Exhibit 1, in Case 3656, be adopted and in addition thereto, the following extensions in paragraph O, Tom-tom San Andres Pool in Chaves County, New Mexico, extension in addition to the acreage shown on the docket, the following acreage is included on this exhibit.

Section 34, the north half, southwest quarter and south half, northwest quarter. In addition to the acreage shown in paragraph Q, for the North Vacuum-Lower Wolfcamp Pool, I would recommend that the following acreage be included which is not shown on the docket, but is shown on the exhibit. Township 16, South, Range 34 East, Section 34, west half, southeast quarter and west half, southwest quarter.

The extension for the Vada-Pennsylvanian Pool in Lea County, New Mexico, contained in paragraph R, should have the following acreage which is on the exhibit, but not on the docket. Township 9 South, Range 34 east, Section 16, southwest quarter.

With those exceptions, I would recommend that the

extensions, contractions and creations be made as shown on the docket and the exhibit.

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

MR. PORTER: If no objection, the exhibit will be admitted.

(Whereupon OCC Exhibit 1
was admitted into evidence.)

MR. HATCH: That's all the questions I have.

MR. PORTER: I believe, in paragraph A, that you recommended that the creation portion of that paragraph concerning the proposed North Morton-Pennsylvanian Pool be dismissed.

A Yes, sir. I would point out that at the hearing for the pool rules, it was established that a portion of the vertical limits are in the lower Wolfcamp formation. Therefore, the pool was designated Permo rather than Penn as shown on here.

MR. PORTER: It has been taken care of in this case that we held before an examiner?

A Yes. The pool has been created, but the assignment of the discovery allowable hinges on this case.

MR. PORTER: Any further questions? The witness may be excused. The Commission will dismiss that portion

which was to create a new pool in paragraph A and take the
remainder of the Case under advisement and now take up Case
3655.

Direct examination by Mr.

BY MR. [illegible]

WATSON

OFFICIAL AND
ATTORNEY

and Exhibit 1

I N D E X

WITNESS

PAGE

DAN NUTTER

Direct Examination by Mr. Hatch

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EXHIBIT

MARKED

**OFFERED AND
ADMITTED**

OCC Exhibit 1

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I, ADA DEARNLEY, 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 15th day of
September, 1967.

Ida Deanley
Notary Public

My Commission Expires:

July 19, 1971

CASE 3656: (c) CREATION OF A NEW GAS POOL

COUNTY Eddy POOL Paduca-Morrow Gas

TOWNSHIP	25S	RANGE	31E	NMPM
6	5	4	3	2
7	8	9	10	11
18	17	16	15	14
19	20	21	22	23
30	29	28	27	26
31	32	33	34	35

Purpose: One completed gas well capable of producing.

Discovery Well: Texaco Inc., Cotton Draw Unit well No. 65 in unit G of Section 2-25-31. Completed in Morrow June 3, 1967, through perforations 14787' to 14853'.

Proposed pool boundaries colored in green.
Section 2: N/2

57 SEP 13 AM 8 37

CASE 3656: (d) CREATION OF A NEW GAS POOL

COUNTY Eddy

POOL

Paduca-Wolfcamp Gas

TOWNSHIP

25S

RANGE

31E

NM PM

A 6x6 grid with numbers 1 through 36. The numbers are arranged in a boustrophedon pattern, starting from the top right (1) and moving left, then down to the next row, then right, and so on. A 2x2 square is drawn in the top right corner, covering the cells containing numbers 1, 2, 11, and 12. The grid is composed of thin lines, and the numbers are centered in each cell.

Purpose: One completed gas well capable of producing.

Discovery Well: Texaco Inc., Cotton Draw Unit Well No. 65 in unit G of Section 2-25-31. Completed in wolfcamp June 3, 1967, through perforations 12803' to 12851'.

Proposed pool boundary colored in green.

Section 2: NE/4

'67 Sep 13. AM 8 37

CASE 3656: (e) EXTENSION OF AN EXISTING OIL POOL

COUNTY Chaves POOL Acme

TOWNSHIP 8S RANGE 27E NMFM

6	5		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.

Dr. Sam G. Dunn, Avalanche Journal Well No. 1 in unit F of
Section 4-8-27. Completed in San Andres July 26, 1967, through
perforations 1937' to 1952'.

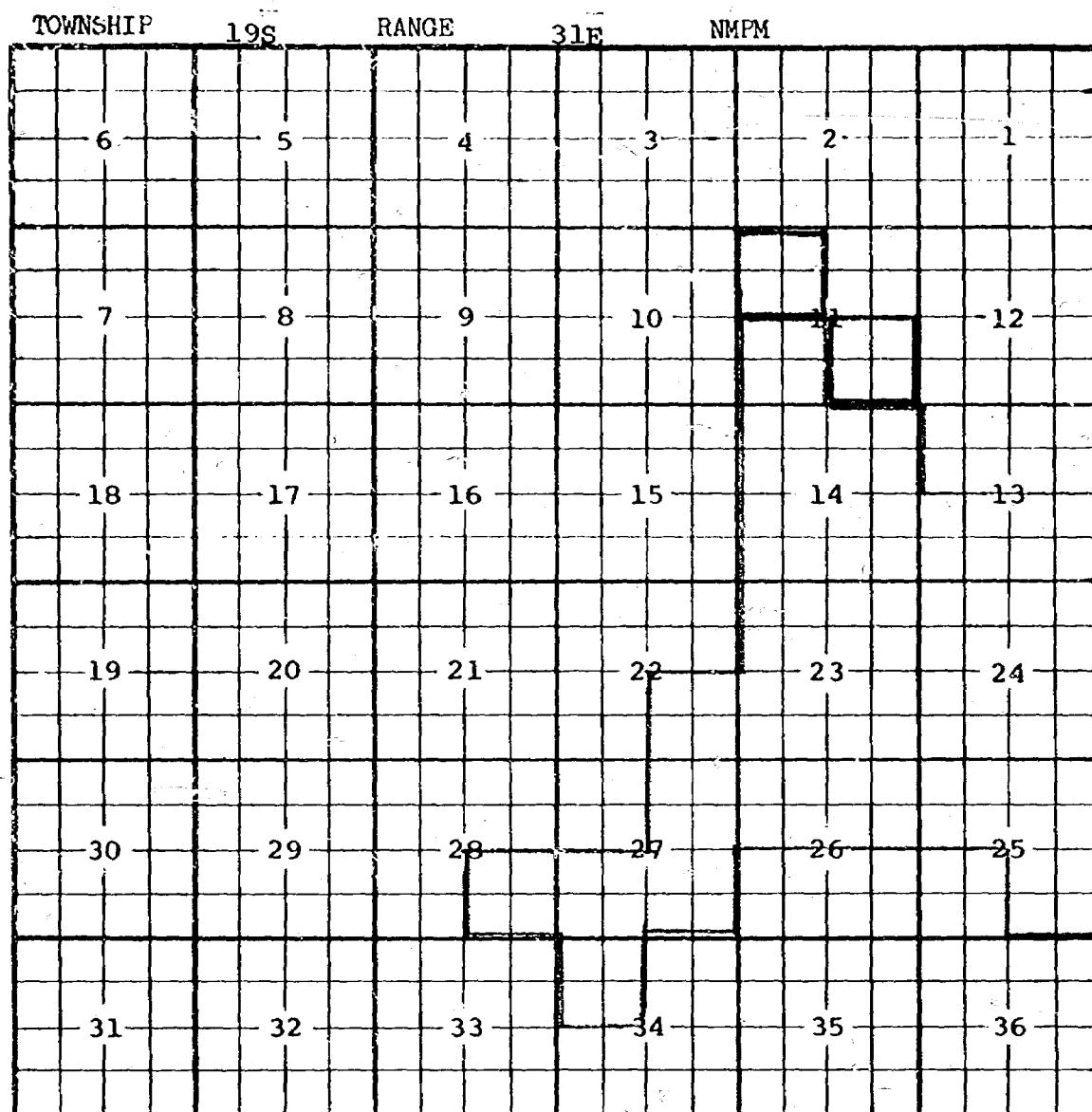
Pool boundary colored in red.

Proposed extension colored in green.

Section 4: E/2 NW/4

67 SEP 13 AM 9 37

CASE 3656: (g) EXTENSION OF AN EXISTING OIL POOL
COUNTY Eddy POOL Lusk-Strawn



Purpose: Two completed oil wells capable of producing.

Continental Oil Co., Read II Federal Well No. 1 in unit O of Section 11-19-31. Completed in Strawn June 19, 1967, through perforations 11,146' to 11,179'.

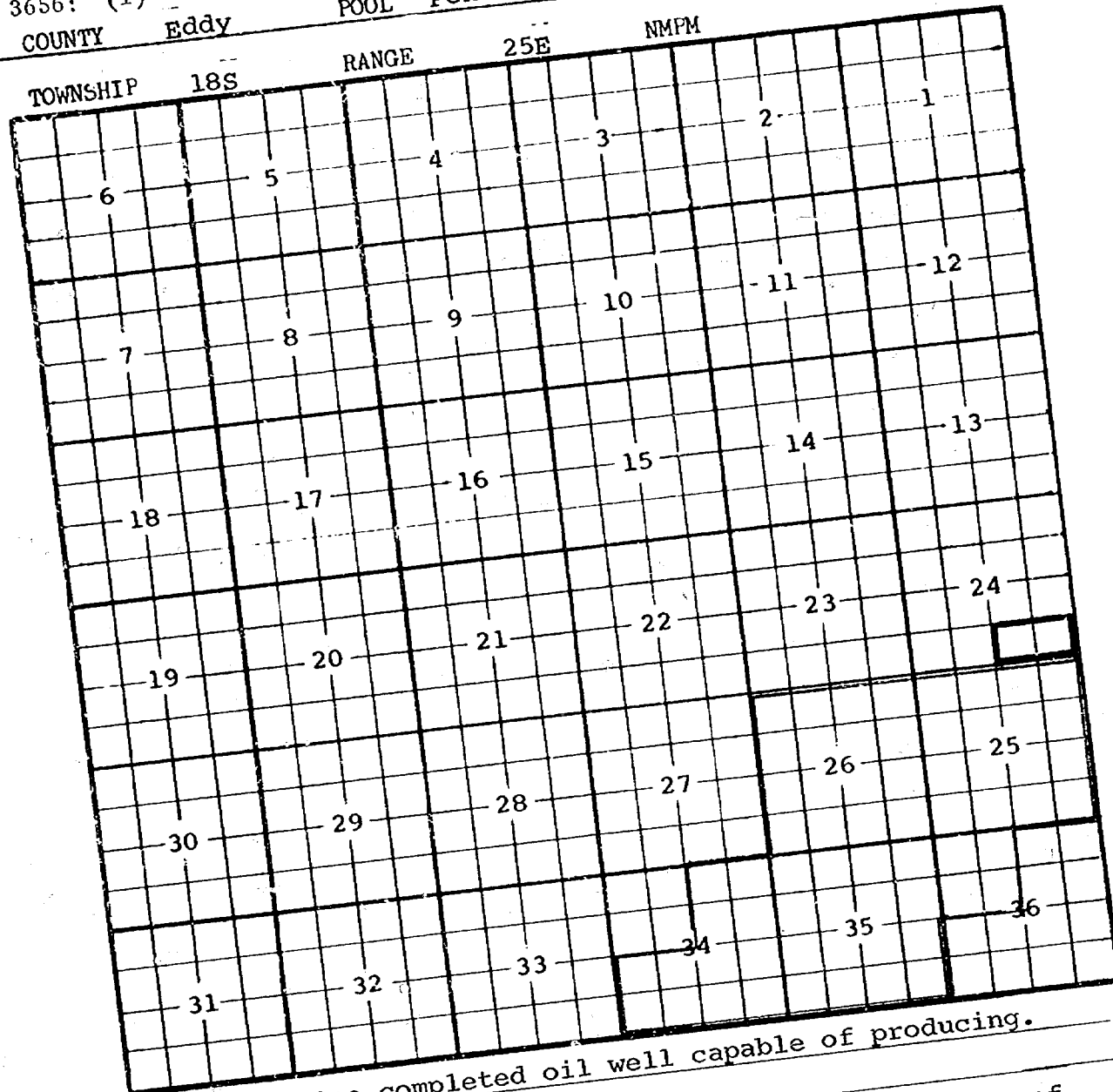
Gulf Oil Corp., Holder CT Federal Well No. 1 in unit F of Section 11-19-31. Completed in Strawn May 31, 1967, through perforations 11,129' to 11,169'.

Pool boundaries colored in red.
Proposed extension colored in green.

Section 11: NW/4 & SE/4

SEP 13 AM 9 37

CASE 3656: (i) EXTENSION OF AN EXISTING OIL POOL
COUNTY Eddy POOL Penasco Draw-San Andres-Yeso



Purpose: One completed oil well capable of producing.

Yates Petroleum Corp., Mobil BB Well No. 1 in unit O of
Section 24-18-25. Completed in San Andres-Yeso June 8, 1967, through
perforations from 1325' to 3205'.

Pool boundary colored in red.

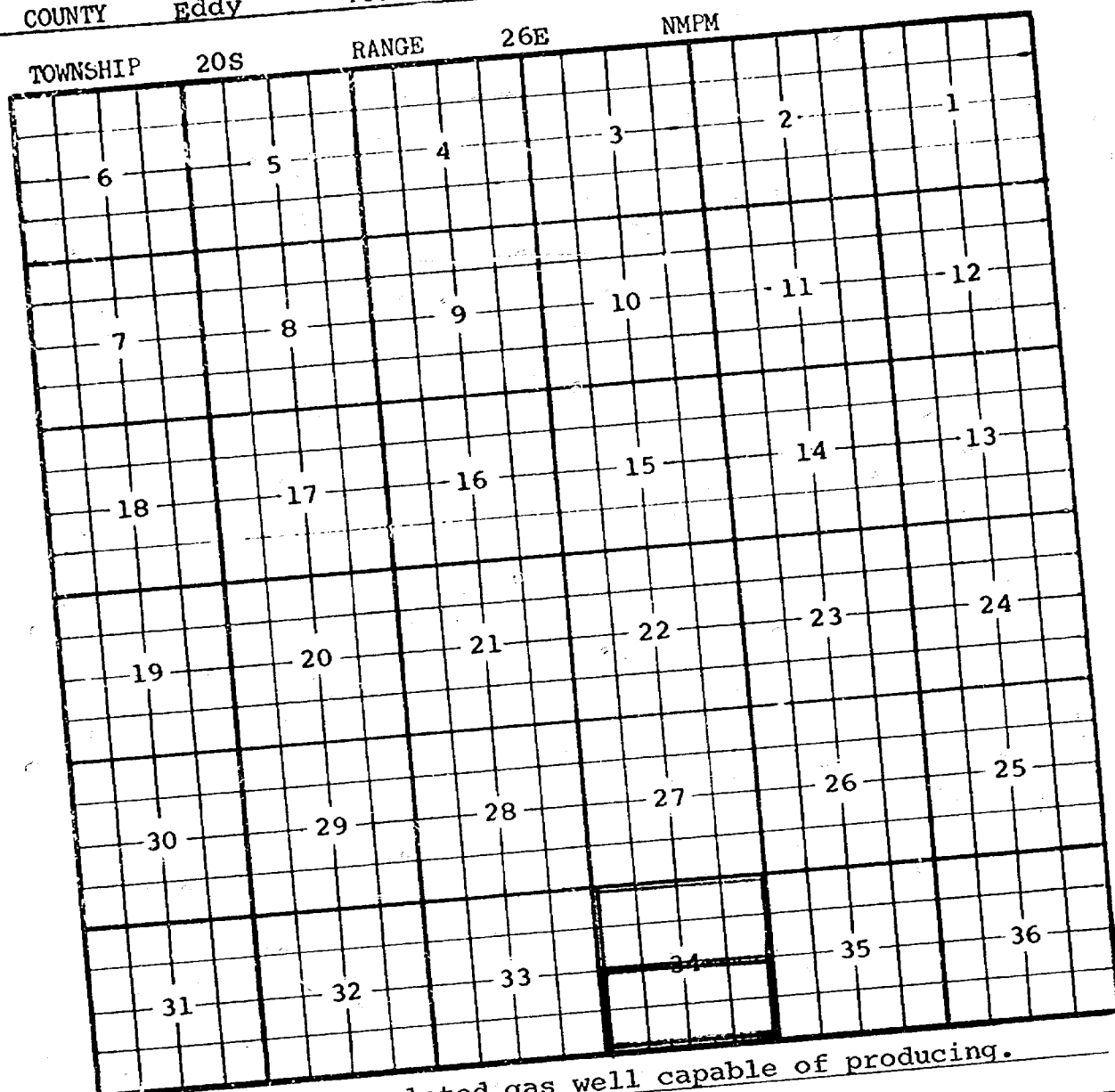
Proposed extension colored in green.

Section 24: S/2 SE/4

267 SEP 13 AM 8 37

CASE 3656: (j) EXTENSION OF AN EXISTING GAS POOL

COUNTY Eddy POOL Springs-Upper Pennsylvanian Gas



Purpose: One completed gas well capable of producing.

Gulf Oil Corp., Springs Unit Well No. 3 in unit L of Section 34-20-26. Completed in Upper Pennsylvanian June 26, 1967, through perforations 8049' to 8112'.

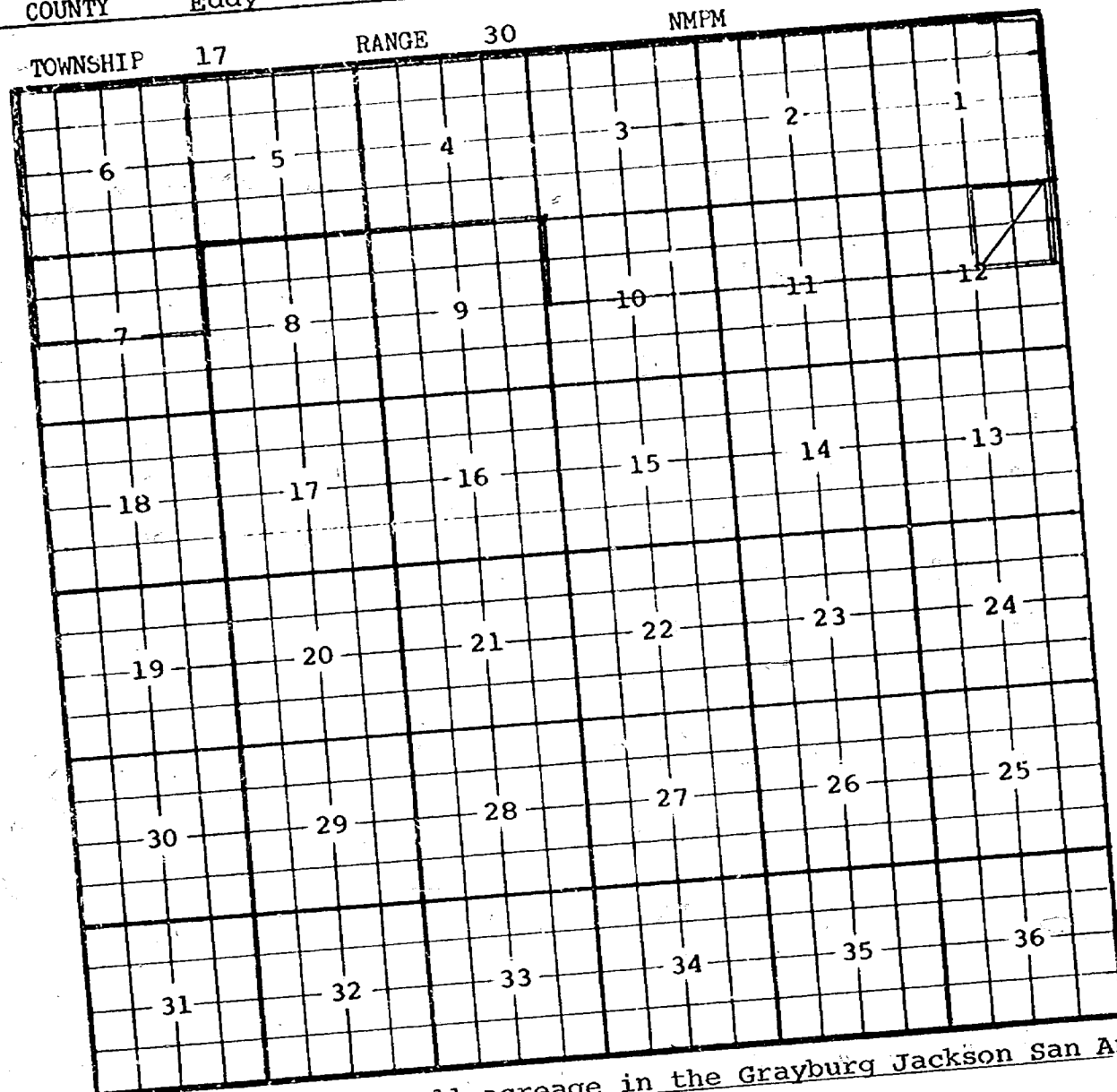
Pool boundaries colored in red.

Proposed extension colored in green.

Section 34: S/2

'67 SEP 13 AM 8 37

CASE 3656: (k) DELETION OF AN EXISTING OIL POOL
 COUNTY Eddy POOL Square Lake

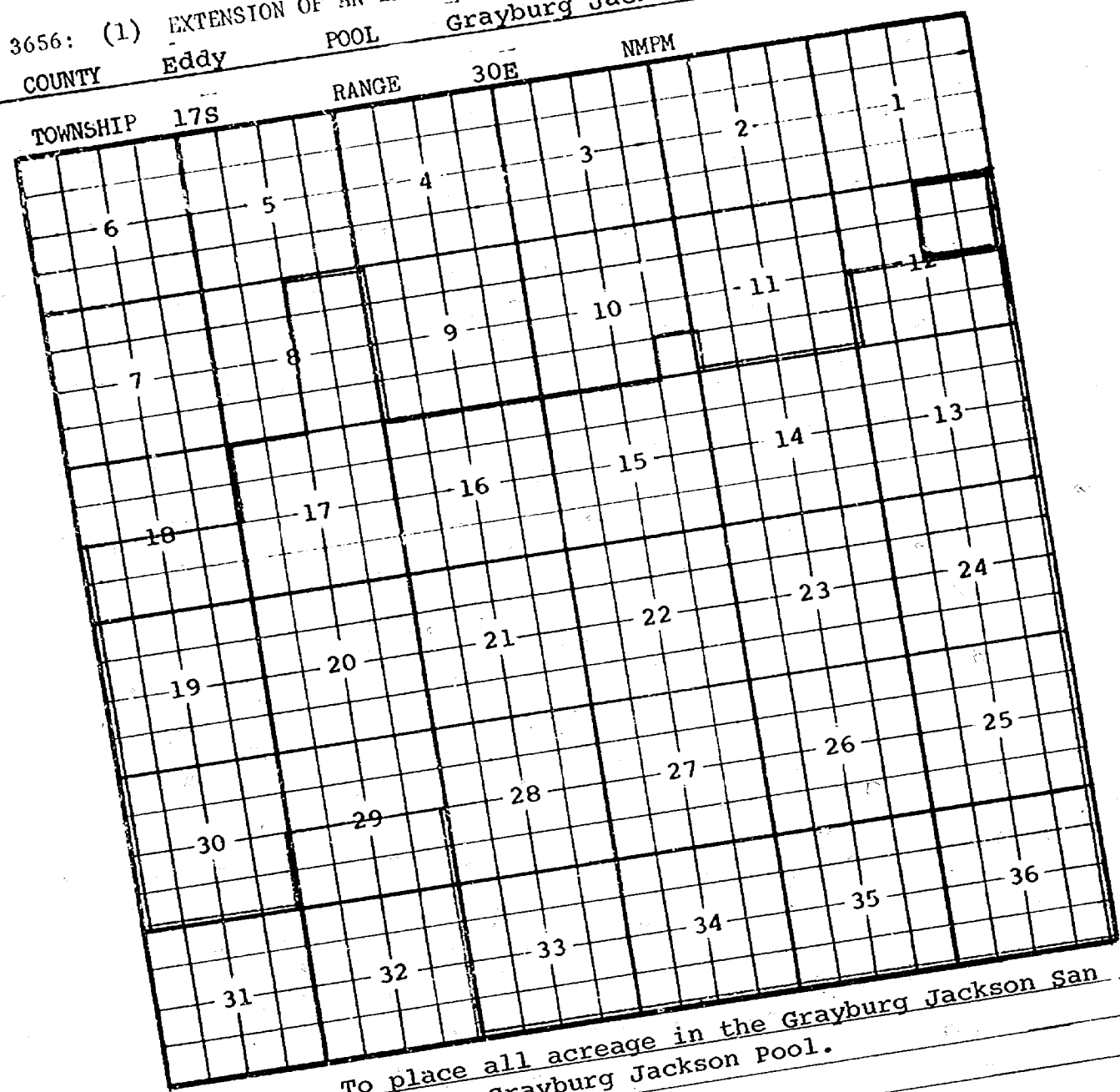


Purpose: To place all acreage in the Grayburg Jackson San Andres Unit in the Grayburg Jackson Pool.

Pool Boundary colored in red.
Proposed deletion colored in blue.
 Section 12: NE/4

SEP 13 AM 8 37

CASE 3656: (1) EXTENSION OF AN EXISTING OIL POOL
 COUNTY Eddy POOL Grayburg Jackson



Purpose: To place all acreage in the Grayburg Jackson San Andres Unit in the Grayburg Jackson Pool.

Pool boundary colored in red.
 Proposed extension colored in green.
 Section 12: NE/4

SEP 13 AM 8 37

CASE 3656: Southeastern New Mexico nomenclature case calling for an order for the creation of one pool and the assignment of an oil discovery allowable therein, and the creation of one other oil pool and two gas pools, and for the extension and contraction of certain other pools in Lea, Chaves, Eddy, and Roosevelt Counties.

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

Revised
Created N. Morton Bone Springs Pool
TOWNSHIP 14 SOUTH, RANGE 35 EAST, NMPM

Section 32: NW/4

Further, for the assignment of approximately 52,140 barrels of oil discovery allowable to the discovery well, Olen F. Featherstone's Mobil State Well No. 1 located in Unit E of said Section 32.

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

TOWNSHIP 21 SOUTH, RANGE 35 EAST, NMPM

Section 19: SW/4

(c) Create a new pool in Eddy County, New Mexico, classified as a gas pool for Morrow production and designated as the Paduca-Morrow Gas Pool. The discovery well is the Texaco Inc. Cotton Draw Unit Well No. 65, located in Unit G of Section 2, Township 25 South, Range 31 East, NMPM. Said pool described as:

TOWNSHIP 25 SOUTH, RANGE 31 EAST, NMPM

Section 2: N/2

(d) Create a new pool in Eddy County, New Mexico, classified as a gas pool for Wolfcamp production and designated as the Paduca-Wolfcamp Gas Pool. The discovery well is the Texaco Inc. Cotton Draw Unit Well No. 65, located in Unit G of Section 2, Township 25 South, Range 31 East, NMPM. Said pool described as:

TOWNSHIP 25 SOUTH, RANGE 31 EAST, NMPM

Section 2: NE/4

(e) Extend the Acme-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 8 SOUTH, RANGE 27 EAST, NMPM.

Section 4: E/2 NW/4

(f) Extend the North Bagley-Upper Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 11 SOUTH RANGE 22 EAST NMPM

(g) Extend the Lusk-Strawn Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 31 EAST, NMPM
Section 11: NW/4 & SE/4

(h) Extend the East Mason-Delaware Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 26 SOUTH, RANGE 32 EAST, NMPM
Section 17: S/2

(i) Extend the Penasco Draw San Andres-Yeso Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 25 EAST, NMPM
Section 24: S/2 SE/4

(j) Extend the Springs-Upper Pennsylvanian Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 26 EAST, NMPM
Section 34: S/2

(k) Contract the Square Lake Pool in Eddy County, New Mexico, by the deletion of the following-described acreage:

TOWNSHIP 17 SOUTH, RANGE 30 EAST, NMPM
Section 12: NE/4

(l) Extend the Grayburg-Jackson Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 30 EAST, NMPM
Section 12: NE/4

(m) Extend the Tatum-Wolfcamp Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 13 SOUTH, RANGE 36 EAST, NMPM
Section 5: NW/4

(n) Extend the Todd-Lower San Andres Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 36 EAST, NMPM
SECTION 31: NE/4

(o) Extend the Tom-tom San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 31 EAST, NMPM
Section 34: N/2 SE/4

ADDITION-----SECTION 34: N/2 SW/4 and S/2 NW/4

(p) Extend the Vacuum-Upper Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM
Section 13: SW/4

(q) Extend the North Vacuum-Lower Wolfcamp Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM
Section 2: W/2
Section 3: NW/4

ADDITION-----TOWNSHIP 16 SOUTH, RANGE 34 EAST, NMPM
SECTION 34: W/2 SE/4 and W/2 SW/4

(r) Extend the Vada-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 9 SOUTH, RANGE 34 EAST, NMPM
Section 17: NE/4

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

- ALLOWABLE: (1) Consideration of the oil allowable for October, 1967;
- (2) Consideration of the allowable production of gas for October, 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 October, 1967.

CASE 3655: In the matter of the hearing called by the Oil Conservation Commission upon its own motion to consider temporary extension of Emergency Order No. E-25, issued by the Commission August 21, 1967, to be effective for 15 days from 7 o'clock a.m., September 1, 1967. Said emergency order, applicable to Lea, Chaves, Eddy and Roosevelt Counties because of the recent unprecedented increases in Southeast New Mexico normal unit allowables, suspended the provision of Rule 301(d) of the Commission Rules and Regulations which requires that no well shall be assigned an allowable greater than the amount of oil produced on official tests during a 24-hour period.

CASE 3614 (DE NOVO):

Dismiss

Application of Shiprock Corporation for an amendment to Order No. R-1438, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-1438, which order established special rules for the Shiprock-Gallup Oil Pool. Applicant seeks the deletion of that provision of said rules which provides that wells shall not be located closer than 300 feet to the nearest well producing from the same pool. Applicant would further amend said rules to permit the drilling of wells closer than 165 feet to the outer boundary of the quarter-quarter section, but in no event closer than 165 feet to the boundary of acreage owned by an offset operator.

Upon application of Universal Oil Corporation, this case will be heard DE NOVO under the provisions of Rule 1220 of the Commission Rules and Regulations.

to include therein:

TOWNSHIP 13 SOUTH, RANGE 36 EAST, NMPM
Section 5: NW/4

(n) Extend the Todd-Lower San Andres Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 36 EAST, NMPM
SECTION 31: NE/4

(o) Extend the Tom-tom San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 31 EAST, NMPM
Section 34: N/2 SE/4

(p) Extend the Vacuum-Upper Pennsylvanian Pool in Lea County, New Mexico, to include therein:

to include therein:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM
Section 13: SW/4

(q) Extend the North Vacuum-Lower Wolfcamp Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM
Section 2: W/2
Section 3: NW/4

(r) Extend the Vada-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 9 SOUTH, RANGE 34 EAST, NMPM
Section 17: NE/4

ir/

MEXICO, to include therein:

TOWNSHIP 8 SOUTH, RANGE 27 EAST, NMPM.
Section 4: E/2 NW/4

(f) Extend the North Bagley-Upper Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM
Section 28: NE/4

(g) Extend the Lusk Strawn Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 31 EAST, NMPM
Section 11: NW/4 & SE/4

(h) Extend the East Mason-Delaware Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 26 SOUTH, RANGE 32 EAST, NMPM
Section 17: S/2

(i) Extend the Penasco Draw San Andres-Yeso Pool in Eddy County, New Mexico, to include therein:

Section 34: S/2

(k) Contract the Square Lake Pool in Eddy County, New Mexico, by the deletion of the following-described acreage:

NEW POOLS

- a) It is recommended that a new oil pool be created and designated as the NORTH MORTON-PENNSYLVANIAN Pool.

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

Discovery well was Olen F. Featherstone - Mobil State #1 located in Unit E Section 32 Township 14 Range 35 and was completed on August 1, 1967 ~~with an initial potential of \$\$\$\$\$\$ BOPD/MCFD~~ Top of perforations is at 10,428 feet.

- b) It is recommended that a new oil pool be created and designated as the WILSON-BONE SPRINGS Pool.

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

Discovery well was Robert J. Leonard - Wilson State #1 located in Unit K Section 19 Township 21 Range 35 and was completed on July 10, 1967 ~~with an initial potential of \$\$\$\$\$\$ BOPD/MCFD~~ Top of perforations is at 9410 feet.

- c) It is recommended that a new gas pool be created and designated as the PADUCA-MORROW GAS Pool.

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

Discovery well was Texaco, Inc. - Cotton Draw Unit #65 located in Unit G Section 2 Township 25 Range 31 and was completed on June 3, 1967 ~~with an initial potential of \$\$\$\$\$\$ BOPD/MCFD~~ Top of perforations is at 14,787 feet.

NEW POOLS

(d) It is recommended that a new gas pool be created and designated as the
PADUCA-WOLFCAMP GAS Pool.

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

Discovery well was Texaco, Inc. - Cotton Draw Unit #65
located in Unit G Section 2 Township 25 Range 31 and was completed on
June 3, 1967 with an initial potential of #### BOPD/MCFPD Top of
perforations is at 12,803 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.

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.

CASE 3656: (a) CREATION OF A NEW OIL POOL

County LEA Pool NORTH MORTON-PENNSYLVANIAN

Township 14 South Range 35 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:

OLEN F. FEATHERSTONE - Mobil State #1 in Unit E of Section 32-14-35. Completed in Permo Pennsylvanian on August 1, 1967. Top of Perforations 10,428'.

Proposed pool boundary colored in red. SECTION 32: NW/4

CASE 3656: (b) CREATION OF A NEW OIL POOL

County LEA Pool WILSON-BONE SPRINGS

Township 21 South Range 35 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.

ROBERT J. LEONARD - Wilson State #1 in Unit K of Section 19-21-35. Completed in Bone Springs on July 10, 1967. Top of Perforations 9410'.

Proposed pool boundary colored in red. SECTION 19: SW/4

Case 3656: (C) Creation of a new gas pool.

COUNTY Eddy POOL Paduca - Morrow Gas

TOWNSHIP 25 South RANGE 31 East NMPM

A 6x6 grid with numbers 1 through 36. The numbers are arranged in a standard 6x6 grid, but a 2x2 block of numbers (1, 2, 11, 12) is missing from the top right corner, leaving those cells empty.

6	5	4	3		
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 gas well capable of producing
Texaco Inc. - Cotton Draw Unit #65 in Unit G of
Section 2-25-31. Completed in Morrow on June 3, 1967.
Top of perforations 14787'
Proposed pool boundary colored in red. Section 2: N/2

Case 3656: (d) Creation of a new gas pool.

COUNTY Eddy

POOL Paduca-Wolfcamp Gas

TOWNSHIP 25 South

RANGE 31 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 gas well capable of producing
Texaco Inc. - Cotton Draw Unit #65 in Unit G of
Section 2-25-31. Completed in Wolfcamp on June 3, 1967.
Top of perforations is 12,803'.
Proposed pool boundary colored in red. Section 2: NE/4

Case 3656:(e) Extension of an existing pool.

COUNTY *Chaves*

POOL *Heme - San Andres*

TOWNSHIP *8 South*

RANGE *27 East*

NMPM

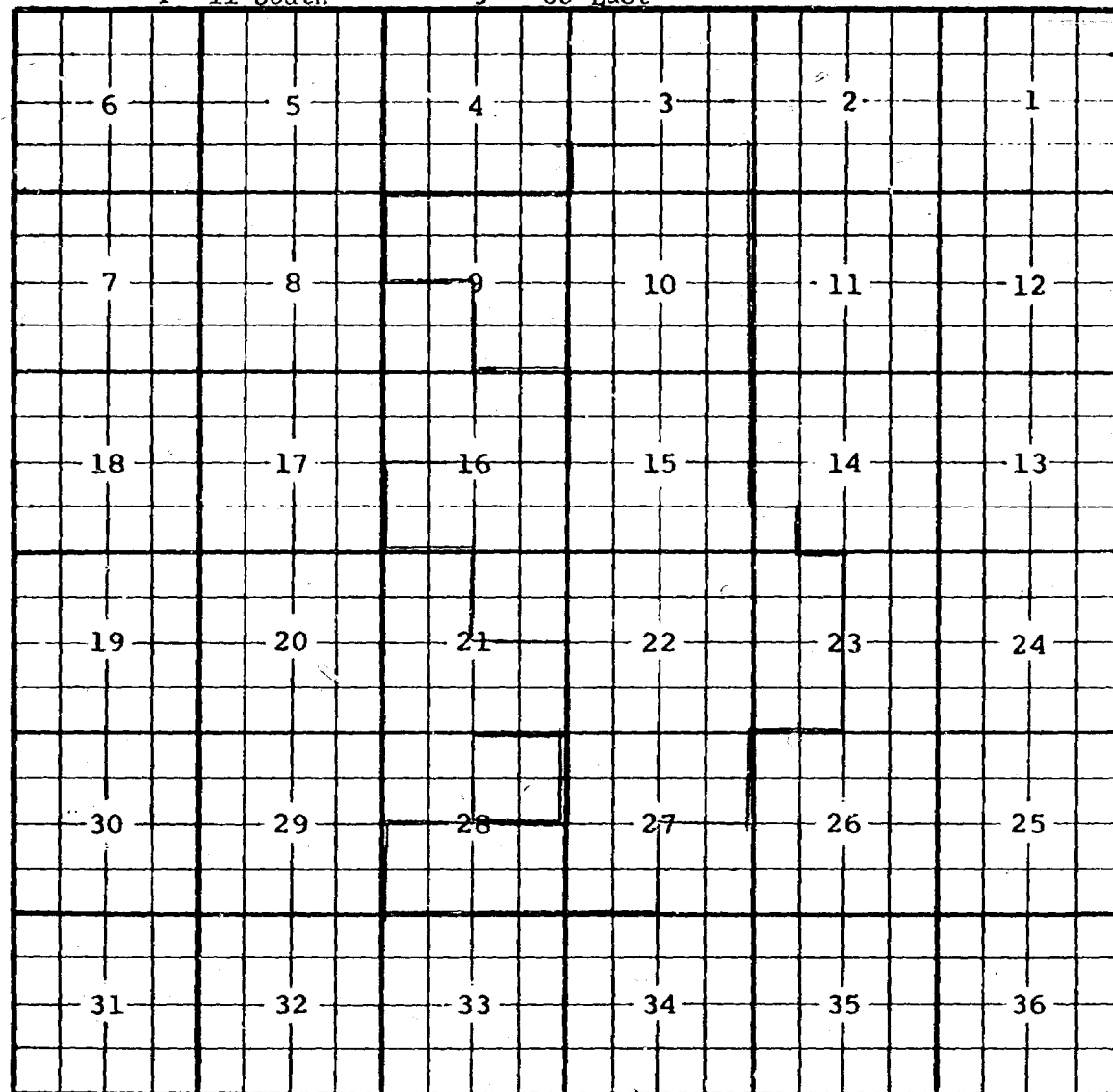
6	5	4	3	2	1	
7	8	9	10	11	12	
18	17	16	15	14	13	
19	20	21	22	23	24	
30	29	28	27	26	25	
31	32	33	34	35	36	

*Purpose: One completed oil well capable of producing
Dr. Sam G. Dunn - Avalanche Journal #1 in Unit F of Section 4-8-27.
Completed in San Andres on July 28, 1967 Top of perforations is 1937'
Pool boundary in red.
Proposed extension in green. Section 4: E/2 NW/4*

CASE 3656: (F) EXTENSION OF AN EXISTING OIL POOL

County LEA Pool NORTH BAGLEY-UPPER PENNSYLVANIAN

Township 11 South Range 33 East NMPM



PURPOSE: One completed oil well capable of producing.

H. C. HOOD - Warren State #1 in Unit A of Section 28-11-33. Completed in Pennsylvanian on June 29, 1967. Top of Perforations 9432'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 28: NE/4

Case 3656: (g) Extension of an existing pool.

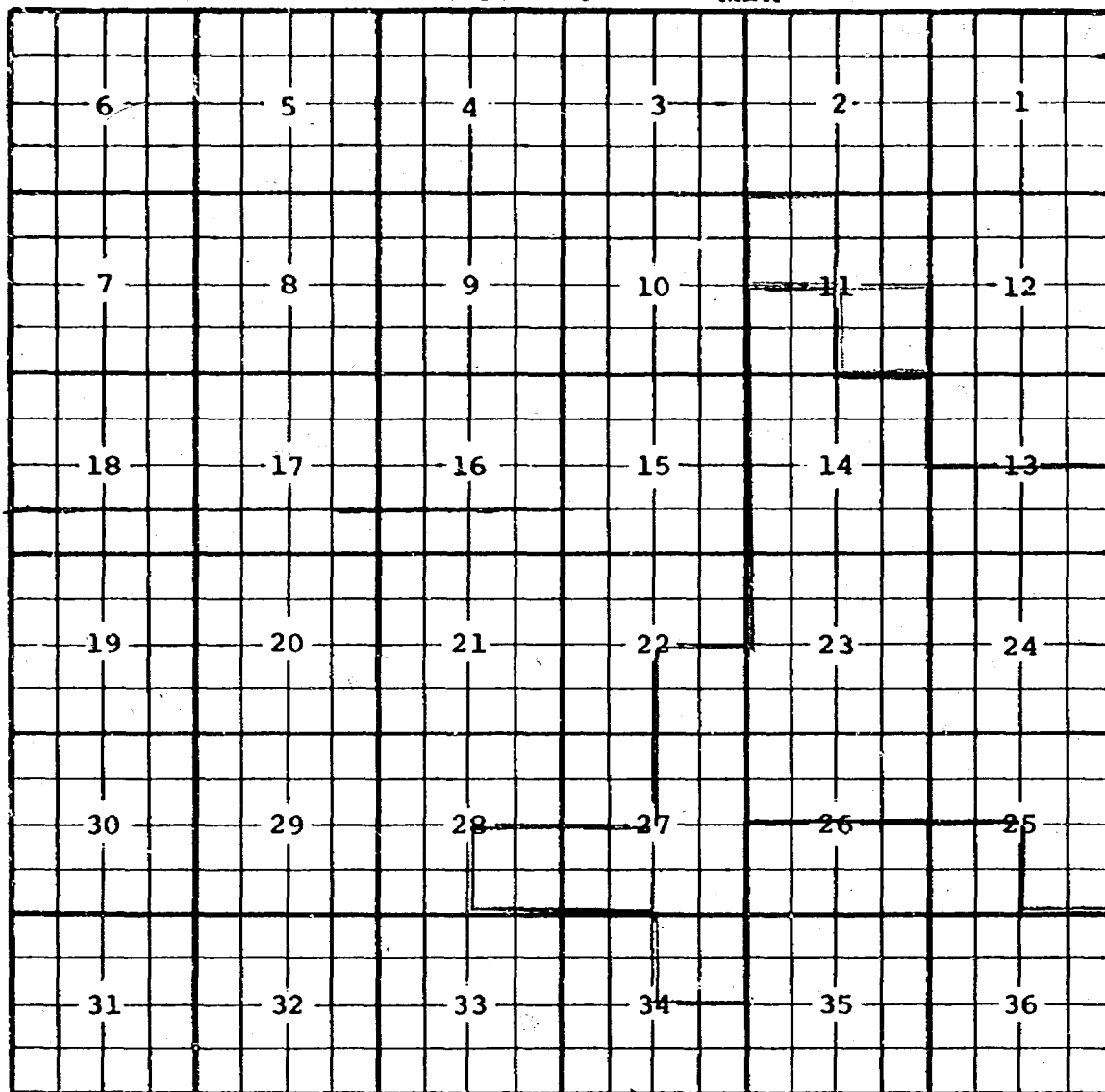
COUNTY Eddy

POOL Lusk - Strawn

TOWNSHIP 19 South

RANGE 31 East

NMPM



Purpose: Two completed oil wells capable of producing
Gulf Oil Corporation - Holder "CT" Fed #1 in Unit F of Section 11-19-31.
Completed in Strawn on May 31, 1967 Top of perforations is 11,121'
Continental Oil Company Read II Fed #1 in Unit O of Section 11-19-31
Completed in Strawn on June 19, 1967 Top of perforations is 11,142'
Pool boundary in red.
Proposed pool extension in green. Section 11: NW/4 and SE/4.

CASE 3656: (h) EXTENSION OF AN EXISTING OIL POOL

County LEA Pool EAST MASON-DELAWARE

Township 26 South Range 32 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.

WILLIAM F. GRAUTEN - Russell Federal #5 in Unit 0 of Section 17-26-32.

Completed in Delaware on July 14, 1967. Top of Perforations 4352'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 17: S/2

Case 3656: (i) Extension of an existing pool

COUNTY Eddy

POOL Penasco Draw San Andres - Veso

TOWNSHIP 18 South

RANGE 25 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: One completed oil well capable of producing
Yates Petroleum Corp. - Mobil "BB" #1 in Unit O of Section 24-18-25
Completed in San Andres - Veso on June 8, 1967. Top of perforations is 3205'
Pool boundary in red.

Proposed extension in green. Section 24: $\frac{1}{2}$ SE/4

Case 3656:(j) Extension of an existing pool.

COUNTY Eddy

POOL Springs - Upper Pennsylvanian Gas

TOWNSHIP 20 South

RANGE 26 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 gas well capable of producing

Gulf Oil Corp. Springs Unit #3 in Unit L of Section 34-20-26

Completed in Pennsylvanian on June 24, 1967 Top of perforations 8049'

Pool boundary in red.

Proposed extension in green. Section 34: S/2

Case 3656:(k) Contraction of an existing pool

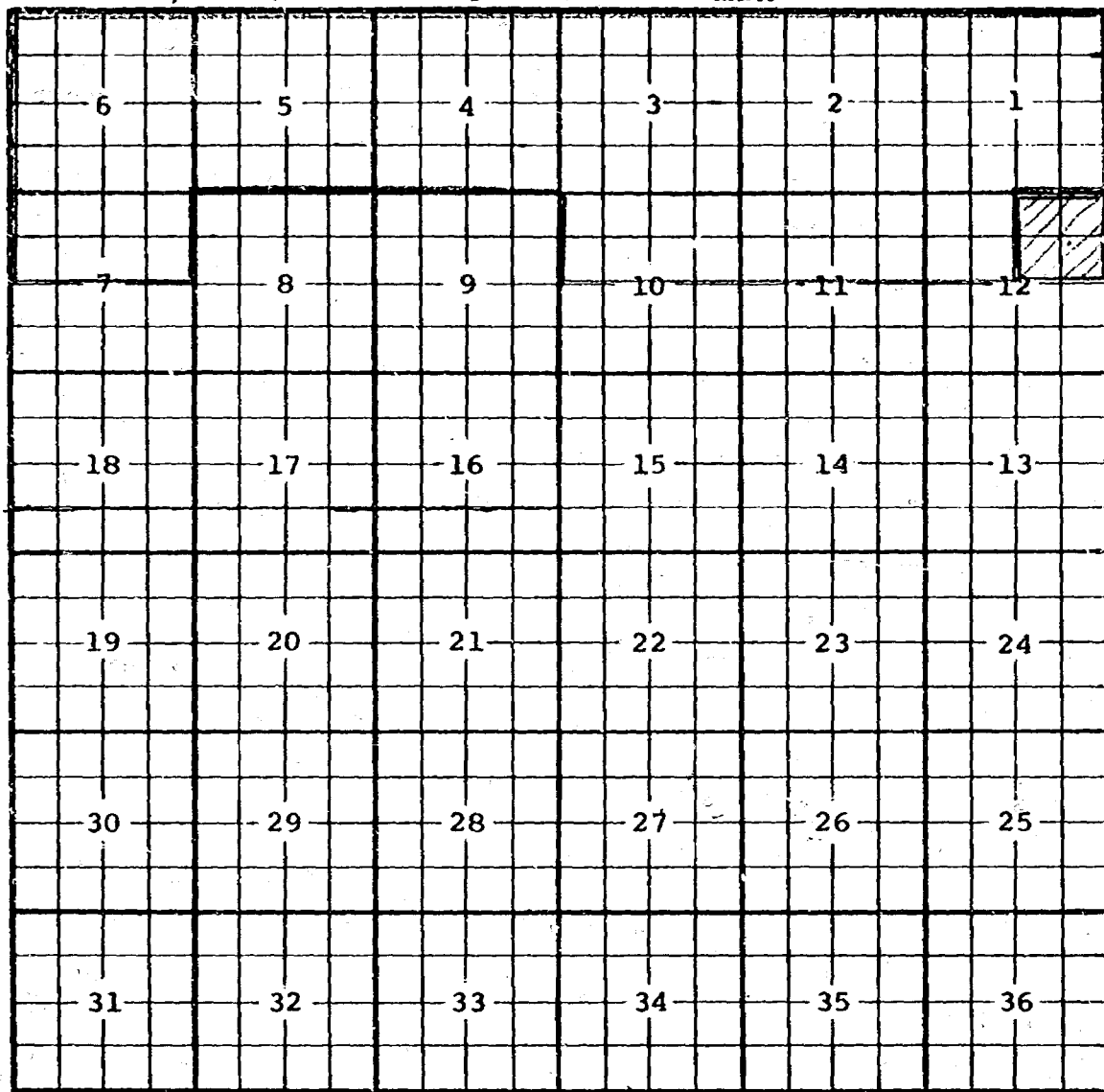
COUNTY Eddy

POOL Square Lake Grayburg-San Andres

TOWNSHIP 17 South

RANGE 30 East

NMPM



Purpose: To place all acreage in the Grayburg Jackson San Andres Unit in the Grayburg-Jackson Pool

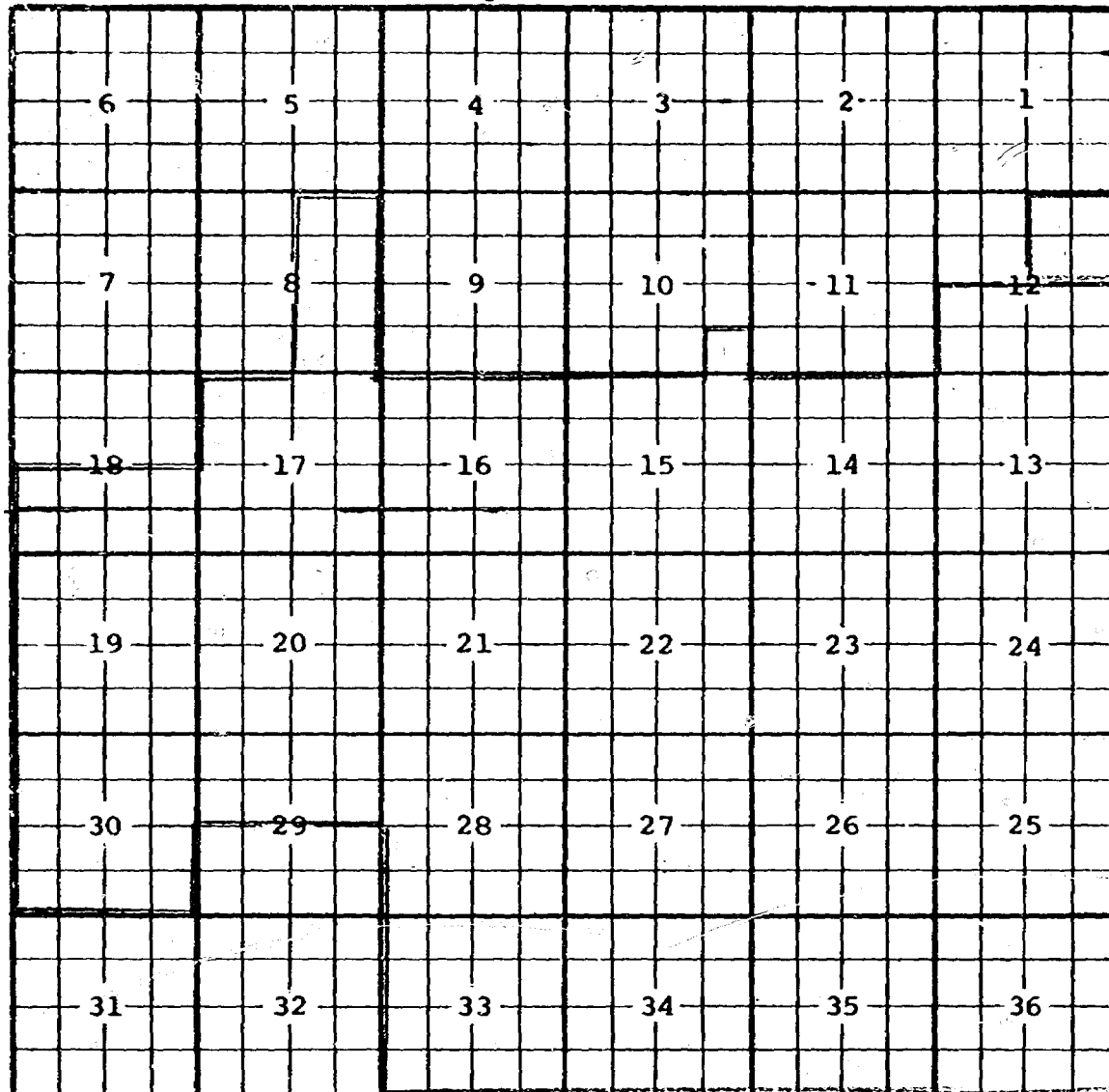
Pool boundary in red

Proposed deletion in blue. Section 12: NE/4

Case 3656: (L) Extension of an existing pool.

COUNTY Eddy POOL Grayburg - Jackson

TOWNSHIP 17 South RANGE 30 East NMPM



Purpose: To place all acreage in the Grayburg Jackson San Andres Unit in the Grayburg - Jackson Pool.

Pool boundary in red

Proposed extension in green. Section 12: NE/4

CASE 3656: (m) EXTENSION OF AN EXISTING OIL POOL

County LEA Pool TATUM-WOLFECAMP

Township 13 South Range 36 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.

UNION OIL COMPANY OF CALIFORNIA - Turner #1 in Unit D of Section 5-13-36.

Completed in Wolfcamp on July 10, 1967. Top of Perforations 10,283'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 5: NW/4

CASE 3656: (n) EXTENSION OF AN EXISTING OIL POOL

COUNTY ROOSEVELT POOL TODD-LOWER SAN ANDRES

TOWNSHIP 7 South RANGE 36 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.
 FRANKLIN, ASTON & FAIR, INC. - Skelly Smith State #1 in Unit B of Section
 31-7-36. Completed in Lower San Andres on August 1, 1967. Top of Perfo-
 rations 4243'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 31: NE/4

CASE 3656: (o) EXTENSION OF AN EXISTING OIL POOL

COUNTY CHAVES POOL TOM-TOM SAN ANDRES

TOWNSHIP 7 South			RANGE 31 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.

PAN AMERICAN PETROLEUM CORPORATION - Miller Federal #2 in Unit J of Section 34-7-31. Completed in San Andres on July 17, 1967. Top of Perforations 3900'.

ADDITION--PAN AMERICAN PETROLEUM CORPORATION - Miller Federal #5 in Unit F of Section 34-7-31. Completed in San Andres on August 19, 1967. Top of Perforations 3878'.

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 34: N/2 SE/4

ADDITIONS-----SECTION 34: N/2 SW/4 and S/2 NW/4

CASE 3656: (p) EXTENSION OF AN EXISTING OIL POOL

COUNTY LEA POOL VACUUM-UPPER PENNSYLVANIAN

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 #120 in Unit N of Section 13-17-34.

Completed in Upper Pennsylvanian on June 25, 1967. Top of Perforations 10,107'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 13: SW/4

CASE 3656: (q) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

COUNTY LEA POOL NORTH VACUUM-LOWER WOLF CAMP

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: Two completed oil wells capable of producing.

PENNZOIL COMPANY - Marathon State #1 in Unit L of Section 2-17-34. Completed in Lower Wolfcamp on June 18, 1967. Top of Perforations 10,698'.

PENNZOIL COMPANY - Rock State #1 in Unit C of Section 3-17-34. Completed in Lower Wolfcamp on July 7, 1967. Top of Perforations 10,748'.

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 2: W/2

SECTION 3: NW/4

CASE 3656: (q) EXTENSION OF AN EXISTING OIL POOL (Continued)

COUNTY LEA POOL NORTH VAGUUM-LOWER WOLF CAMP

TOWNSHIP 16 South RANGE 34 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: As stated on preceding page, paragraph (q), Exhibit I.

ADDITION--GULF OIL CORPORATION - Lea PS State #1 in Unit M of Section 34-16-34. Completed in Wolfcamp on August 25, 1967. Top of Perforations 10,654'.

ADDITION--MOBIL OIL CORPORATION - Bridges State #123 in Unit O of Section 34-16-34. Completed in Lower Wolfcamp on August 9, 1967. Top of Perforations 10,685'.

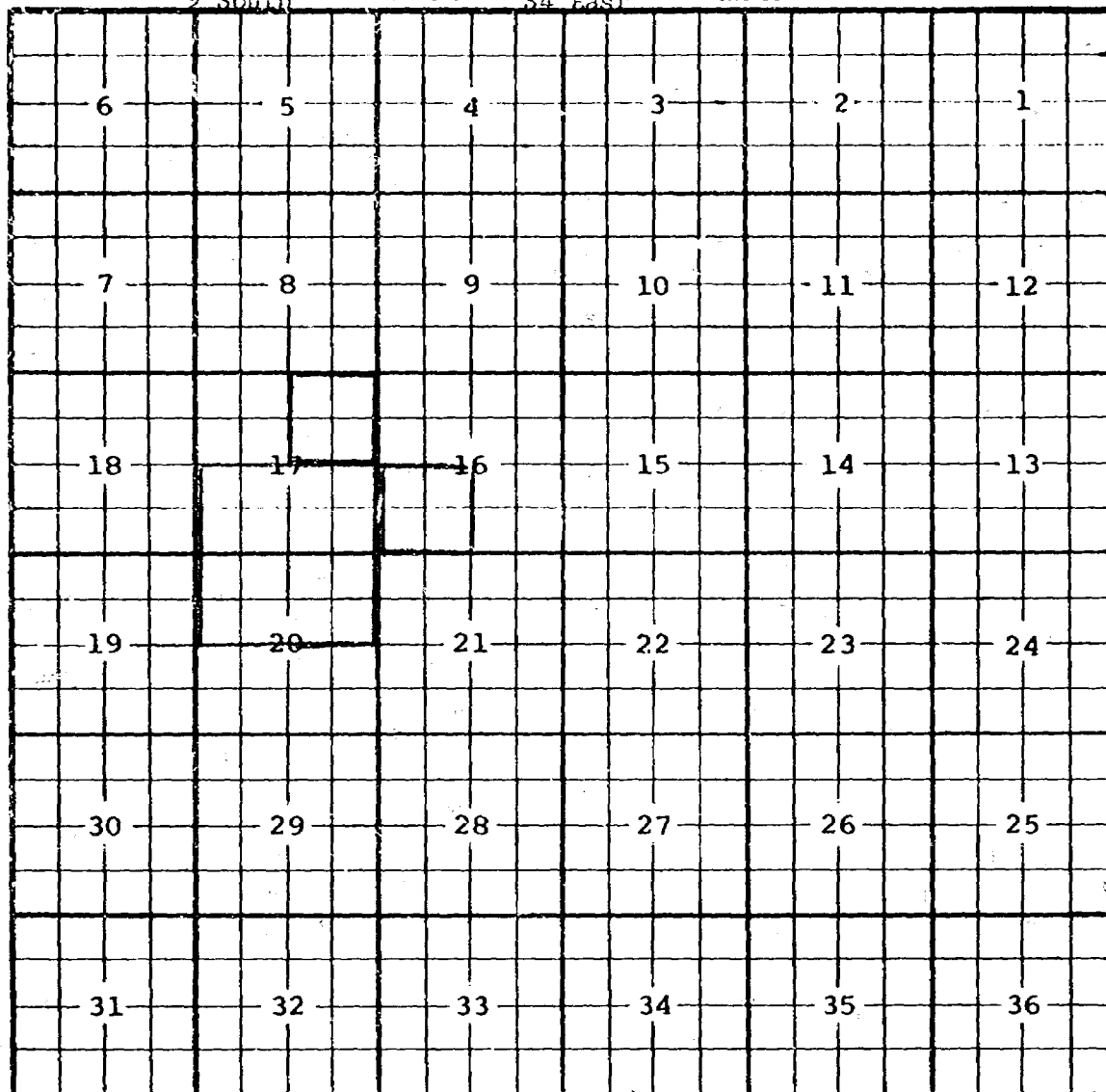
Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 34: W/2 SE/4 and W/2 SW/4

CASE 3656: (r) EXTENSION OF AN EXISTING OIL POOL

COUNTY LEA POOL VADA-PENNSYLVANIAN

TOWNSHIP 9 South RANGE 34 East NMFM



PURPOSE: One completed oil well capable of producing.

MIDWEST OIL CORPORATION - Vada Lee Pruitt A #2 in Unit G of Section 17-9-34. Completed in Pennsylvanian on July 22, 1967. Top of Perforations 9740'.

ADDITION--RALPH LOWE-- State "D" #1 in Unit L of Section 16-9-34. Completed in Pennsylvanian on August 9, 1967. Top of Perforations 9793'.

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 17: NE/4

ADDITION---SECTION 16: SW/4