CASE 3656:

SOUTHEASTERN NEW MEXICO NOMENCLATURE

# (ISE MO. 3656

APPlication,
Transcripts,
SMAIL 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 COMSIDERING:

> 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 <u>dismissed</u>, inasmuch as Order No. R-3315 dated September 11, 1967, created the Morth 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 Lush-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. Feather-Range Mobil-State No. 1, located in Unit E of said Section 32, stone Mobil-State No. 1, located in Unit E of said Section 32, is hereby authorized an oil discovery allowable of 52,140 barrels 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 BAST, 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 RAST, NMPM Section 4: E/2 NW/4 -4-CASE No. 3656 Order No. R-3319

(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 BAST, 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: 8/2

(i) That the Penasco Draw San Andres-Yese 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: 8/2 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: 5/2

(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

(1) 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 Rocsevelt 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: M/2 SE/4, N/2 SW/4, and S/2 NW/4

(p) That the Vocuum-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 RAST, 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 -6-CASR No. 3656 Order No. R-3319

(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, C

GUYTON B. HAYS, Member

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

# 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;
- (1) Consideration of the allowable production of gas for

  (2) Consideration of the allowable production of gas for

  October, 1987, from thirteen prorated pools in Lea,

  Eddy, and Roosevelt Counties, New Mexico. Consideration

  of the allowable production of gas from nine prorated

  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 and September 1, 1967, to be effective for 15 days from 7 o'clock a.m., September 1, 1967. Said emergency order, applicable 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 recent unprecedented increases in Southeast New Mexico normal allowables, suspended the provision of Rule 301(d) of unit allowables, suspended the provision which requires that no 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. 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 provision of said rules which provides that wells shall not be located closer than 300 feet to the nearest well producing the located closer than 300 feet to the nearest to the to permit the drilling of wells closer than 165 feet to the outer boundary of the quarter-quarter section, but in no 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  $\overline{\text{DE}}$  NOVO under the provisions of Rule 1220 of the Commission Rules and Regulations.

Docket No. 28-67

September 13, 1967 Regular Hearing

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

-3-

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

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

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

-4-

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, RMPM 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

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.

#### 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.

2310

10688

Periorations

Pase 3656 Address Petroleum Building, Roswell, New Mexico Well No. County 1 Lea Feet from The North Line and 14 South 35 East Township , Range North Morton Featherstone Date of Filing Form C-104 10428-30,10434-38,10444-48,10452-56 8-4-67 " Previously Filed | Il Yes, Give Date of Filing Date Compl. Ready to Prod. B=1-67
Elevation (Gr., DF, RKB, RT, etc.) 6-18-67 Depth Casing Shoe Tubing Depth

4040 Gr.

Hours; 0 DLs Water Per Day Based On 0 Bbls

Method Of Chk. Producing: Flowing Size

NEAREST PRODUCTION TO THIS DISCOVERY (Includes past and present oil or gas producing areas and zones whether this discovery is based on horizon. tal or vertical separation): Bottom of Pay Currently Producing? Nume of Producing Formation Top of Pay Pool, Name Morton Permo-Penn
Horizontal Distance and Direction from Subject Discovery Well to the Nearest Well in this Pool

10395

538

Gas-Oil Ratio:

One and one-half miles southwest 50' below (approx) NEAREST COMPARABLE PRODUCTION (Includes past and present oil or gas production from this pay or formation only): Currently Producing? Top of Pay Pool Name Bottom of Pay Morton 10200 10400 Yes Horizontal Distance and Direction from Subject Discovery Well to the Nearest Well in this Comparable Pool

52,140 10428 One and one-half miles southwest 10 4280

2140 Is "County Deep" Discovery Allowable Requested for Subject Discovery Well? li Yes, Give Name, Location, and Depth of Next Deepest Oil Production in this County DOCKET MAILED No.

Is the Subject Well Multiple Completion? Is Discovery Allowable Requested for other Zone(s)? If Yes, Name all Such Former to Berry No. No.

-0 LIST ALL OPERATORS OWNING LEASES WITHIN ONE MILE OF THIS WELL (Attach additional sheet if necessary)

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. Vaugn 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.

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 sules and regulations of the New Mexico Oil Conservation Commission have been compiled with, with respect to the subject well, and that it is my opinion that a bong 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 suthorized, 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.

Booot

Operator

ease Name

Well Location

X Dlen F.

Total Depth

10724

In

Name of Producing Formation

Was "Affidavit of Discovery For This Well in this Pool?

24

Permo - Penn

Mobil - State

Olen F. Featherstone

From the West Line of Section
Suggested Pool Names (List in order of preference)

No.

Plugged Back Depth

Oil Well Potential (Test to be taken only after all load oil has been recovered)

Bbls, Oil Per Day Based On 137 Bbls in 12

Hours; Gas Production During Test: 142

10660

#### EXHIBIT E.

#### SUMMERY OF RESERVOIR DATA

DLEN 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
Name of Producing Formation
Virgin B.H.P. peig
G.O.R. Cu. ft. per bbl.
Average Porosity %
Permeability
Net Pay
Crude Gravity

August 1, 1967 Permo-Penn 4005 538 10.0% Excellent 14 feet 42.4

Tenneco E.	A. Elkan, MI A. Anderson	3-15-10 4 2 5 6 1 12 2 1 1 1 Store	5: 17 * 25 K-467 \$1*B	1 13 - 63 [5 - 15 - 68] 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		ACA CT   1-16-16 15-5555 15-555 15-55 15	6,335	II-16-75   K-5431 ID-SE	7:4:4 3:4:65	7 - 20 15 K - 5122 18 03	Cherron 6 · 10 71 Clara A.Elkan	cantolic c. 4 = 68 2 = 6 = 68 2 = 11 = 68 1 = 12 = 12 = 12 = 12 = 12 = 12 = 12 =
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1 A Texas Cr. elist		10135 30 10135 30 10135 30 10135 30 10135 73 10135 73 10135 73	Bell Petr. 19-19 X-93 639 Rercell 5-11-10 1 K-653 5-12-65	K-3538 10344	Amerada 6 • 16 • 74 K • 4200 100 ≌	Union 2 - 1 - 70 065649 U.S.,	(2)		Superior 5 1-73 0353161 U.S.	Union 5-17-76 K-6036 37.30	Union Which The K-204 ESU (Acresin MBR	Ameroda 19-11-71 X-1858 2585
· 3[ · · · · · · · · · · · · · · · · · ·	ties Service 		Ameroda 10-15-73 K 3663 Tenneco \$1-1-230 \$1-230 \$1-2	Tenneco io -20-63 co-60-62 co-60-	Amerada 7 · 16 · 73 K·3435 162 <sup>50</sup>	Unio 4 - 13	67 	Humble 6-19-69 Orena Crockett	U.S., MI W.A. Anderson	. 2 	010	Union 5-16-67 Eld M.S. elal M.I. Yero Briggs
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SFOCC

Jim Kysteina. I did not have time to

get this to Hobbs this month. Please.

accept my apologies and get this advertised. 132

Oil Conservation Commission Artesia, New Mexico District No. II

#### NOMENCLATURE ADVERTISEMENT FOR SEPTEMBER, 1967

D = Deletion C = Creation Case 3656

EX = Extension	n		
Eddy D S	Square Lake (G-SA)	DESCRIPTION T17S-R30E Sec. 12: NE/4	CAUSE To place all acreage in the Grayburg Jackson SA Unit in the Grayburg Jackson Pool
- V	Paduca-Morrow-	<u>T25S-R31E</u> Sec. 2: N/2	Texaco Inc., Cotton Draw Unit #65 G, 2-25-31
· • • • • • • • • • • • • • • • • • • •	Paduca-Wolfcamp- Gas	T25S-R31E Sec. 2: NE/4	Same
Chaves VEX I	Acme (SA)	T8S-R27E Sec. 4: E/2 NW/4	Dr. Sam G. Dunn Avalanche Journal #1-F, 4-8-27
	Grayburg Jackson (Q-G-SA)	T17S-R30E Sec. 12: NE/4	As noted in item one above
Eddy EX I	Lusk-Strawn	T19S-R31E Sec. 11: NW/4 & SE/4	Continental Oil Co., Read II Fed. #1-0, 11-19-31,
		Proceedings	Gulf Oil Corporation Holder "CT" Fed. #1-F, 11-19-31
	Penasco Draw\San Andres-Yeso	T18S-R25E Sec. 24: S/2 SE/4	Yates Pet. Corp. Mobil BB #1-0, 24-18-25
Eddy EX S	Springs-Upper	T20S-R26E	Gulf Oil Corporation

Sec. 34: S/2

Pennsylvanian Gas

Springs Unit

#3-L, 34-20-26

Case 3656

dearnley-meier reporting service, inc.

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

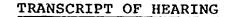
#### BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico September 13, 1967

#### REGULAR HEARING

#### IN THE MATTER OF:

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.

BEFORE: David F. Cargo, Governor Guyton B. Hays, Land Commissioner A. L. "Pete" Porter, Secretary-Director





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)

DAN NUTTER, 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

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-Pennyslvanian 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.

OPERETO AND

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#### INDEX

<u>WITNESS</u> <u>PAGE</u>

DAN NUTTER

Direct Examination by Mr. Hatch

EXHIBIT MARKED OFFERED AND ADMITTED

OCC Exhibit 1 3

STATE OF NEW MEXICO ) COUNTY OF BERNALILLO)

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 Dearnley
Notary Public

My Commission Expires:

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COUNTY Eddy POOL Lusk-Strawn TOWNSHIP RANGE NMPM 6 - 8 -9 -10 --12 -14 18 -16 - 15 · - 20 -21 -19 - 23-24 -30 -29 26 31-- 33 - 35 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	187 SEP 13 AH 8

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CASE 3656: (i) EXTENSION OF AN EXISTING OIL FOOL POOL Penasco Draw-San Andres-Yeso COUNTY Eddy NMPM 25E RANGE 185 TOWNSHIP - 12 - 11 -10 ·13· 14 - 15 - 16 -17 -- 18 24 23-22-- 21 - 20 --19 26 - 27 -28 -29 -30 - 35 ·33 · purpose: One completed oil well capable of producing. Yates Petroleum Corp., Mobil BB Well No. 1 in unit 0 of Yates Petroleum Corp., Mobil BB Well No. 1 in unit 0 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/4 287 SEP 13 AH 8 37

CASE 3656: (j) EXTENSION OF	AN EXISTING GAS POOL POOL Springs-Upper Pennsylvanian Gas	
CASE 3000. COUNTY Eddy P	MICM	
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- Corp.,	Springs Unit Well No.3 in unit L of Section  Springs Unit Well No.3 in unit L of Section  pleted in Upper Pennsylvanian June 26, 1967,  ations 8049' to 8112'.	
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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 cil 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:

(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 Fenasco 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

(1) 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:

D. 42. S

## 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 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

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):

Desmis

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  $\underline{\text{DE NOVO}}$  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,

...... ... ructude chererus

## TOWNSHIP 17 SOUTE, 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/

MCYTCO, CO THOTAGE CHETCTH' ...

## 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
NEW POOLS  a) It is recommended that a new <u>oil</u> pool be created and designated as the
Pool.
Vintical limits to be the Permo Pennsylvanian formation and the
limits should be as follows: As shown in Paragraph (a), Exhibit I
Discovery well was Olen F. Featherstone - Mobil State #1
Discovery well was Olen F. Featherstone and was completed on
located in Unit E Section 32 Township 14 Range 35 and was completed on
August 1, 1967 #\$#\$#\$#\$#\$#\$#\$#\$#\$#\$#\$#\$#\$#\$#\$#\$#\$#\$#\$
perforations is at 10,428 feet.
pool be created and designated as the
b) It is recommended that a Pool.
WILSON-BONE SPRINGS Pool.  formation and the horizontal
Vertical limits to be the Rone Springs formation and the horizontal
limits should be as follows: As shown in Paragraph (h), Exhibit I
Discovery well was Robert J. Leonard - Wilson State #1
Section 19 Township 21 Range 35and was completed on
July 10, 1967 #\$#\$#\$#\$#\$#\$#\$#\$#\$#\$#\$#\$#\$#\$#\$#\$#\$#\$#\$
perforations is at 9410 feet.
c) It is recommended that a new gas pool be created and designated as the
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
Discovery Well Was Texacos 225 Range 31 and was completed on located in Unit G Section 2 Township 25 Range 31 and was completed on
located in Unit G Section 2 Township 25 1000 of the
June 3, 1967 With bit short sh
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 horizonta
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 WHISTORISH STRINGTH STRING
perforations is at/2,803 feet.
It is recommended that a newpool be created and designated as the
Vertical limits to be theformation and the horizontal
limits should be as follows:
Discovery well was
located in UnitSectionTownshipRange and was completed on
with an initial potential ofBOPD/MCFGPD. Top of
perforations is atfeet.
It is recommended that a newpool be created and designated as thePool.
Vertical limits to be theformation and the horizontal
limits should be as follows:
Discovery well was
located in UnitSectionTownshipRange and was completed on
with an initial potential ofBOPD/MCFGPD. Top of
perforations is at feet.

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

Tourship 14 South Range 35 East NMPM	County	LEA	Pool NO	RTH MORTON-P	ENNSYLVANIAN	
7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 13 - 13 - 14 - 13 - 14 - 13 - 14 - 13 - 14 - 13 - 14 - 13 - 14 - 13 - 14 - 14	Tounship	14 South	Range 3	5 East	NMPM	
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7 8 9 10 - 11 - 12 - 13 - 18 - 17 - 16 15 14 - 13 - 13 - 19 - 20 - 21 - 22 - 23 - 24 - 24 - 25 - 25 - 25 - 25 - 25 - 25	6	5	4	3	2	
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18 - 17 - 16 - 15 - 14 - 13 - 13 - 19 - 20 - 21 - 22 - 23 - 24 - 25 - 25 - 25 - 25 - 25 - 25 - 25						
PURPOSE: One completed oil well capable of producing:  DIEN 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'.		8	9	10	- 11	12
PURPOSE: One completed oil well capable of producing:  DIEN 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'.				<del>                                     </del>	+ + + + + + + + + + + + + + + + + + + +	
PURPOSE: One completed oil well capable of producing:  DIEN 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'.		╂╼┾╼┼╼┼		<del>                                     </del>	4-1-1-1	
PURPOSE: One completed oil well capable of producing:  DIEN 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'.					1	
PURPOSE: One completed oil well capable of producing:  OLEN F. FEATHERSTONE - Mobil State #1 in Unit E of Section 32-14-35. Copleted in Permo Pennsylvanian on August 1, 1967. Top of Perforations 10,428'.	18	17	16		14	13
PURPOSE: One completed oil well capable of producing:  OLEN F. FEATHERSTONE - Mobil State #1 in Unit E of Section 32-14-35. Copleted in Permo Pennsylvanian on August 1, 1967. Top of Perforations 10,428'.	<del></del>		·	<del>   -</del>	1	
PURPOSE: One completed oil well capable of producing:  OLEN F. FEATHERSTONE - Mobil State #1 in Unit E of Section 32-14-35. Copleted in Permo Pennsylvanian on August 1, 1967. Top of Perforations 10,428'.					$\blacksquare$	
PURPOSE: One completed oil well capable of producing:  OLEN F. FEATHERSTONE - Mobil State #1 in Unit E of Section 32-14-35. Copleted in Permo Pennsylvanian on August 1, 1967. Top of Perforations 10,428'.						
PURPOSE: One completed oil well capable of producing:  OLEN F. FEATHERSTONE - Mobil State #1 in Unit E of Section 32-14-35. Copleted in Permo Pennsylvanian on August 1, 1967. Top of Perforations 10,428'.	19	20	21-	22	23	24
PURPOSE: One completed oil well capable of producing:  OLEN F. FEATHERSTONE - Mobil State #1 in Unit E of Section 32-14-35. Copleted in Permo Pennsylvanian on August 1, 1967. Top of Perforations 10,428'.						
PURPOSE: One completed oil well capable of producing:  OLEN F. FEATHERSTONE - Mobil State #1 in Unit E of Section 32-14-35. Copleted in Permo Pennsylvanian on August 1, 1967. Top of Perforations 10,428'.						
PURPOSE: One completed oil well capable of producing:  OLEN F. FEATHERSTONE - Mobil State #1 in Unit E of Section 32-14-35. Copleted in Permo Pennsylvanian on August 1, 1967. Top of Perforations 10,428'.						
PURPOSE: One completed oil well capable of producing:  OLEN F. FEATHERSTONE - Mobil State #1 in Unit E of Section 32-14-35. Copleted in Permo Pennsylvanian on August 1, 1967. Top of Perforations 10,428'.	20	20	20	27	26	25
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'.	30 7	29	78 7	7'	20	25
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'.						
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'.					8.7	
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'.						
OLEN F. FEATHERSTONE - Mobil State #1 in Unit E of Section 32-14-35. Coppleted in Permo Pennsylvanian on August 1, 1967. Top of Perforations 10,428'.	31-	32	33	34	35 + 1	36
OLEN F. FEATHERSTONE - Mobil State #1 in Unit E of Section 32-14-35. Coppleted in Permo Pennsylvanian on August 1, 1967. Top of Perforations 10,428'.				1-1-1-	1     1   1	
OLEN F. FEATHERSTONE - Mobil State #1 in Unit E of Section 32-14-35. Coppleted in Permo Pennsylvanian on August 1, 1967. Top of Perforations 10,428'.		1				e Z:
pleted in Permo Pennsylvanian on August 1, 1967. Top of Perforations					· ·	
10,428'.						
		ermo Pennsylv	zanian on Au	gust 1, 1967	. Top of Per	forations
Proposed pool boundary colored in red. SECTION 32: NW/4	10,428'.					· · · · · · · · · · · · · · · · · · ·
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County LEA POOL WILSON-BONE SPRINGS

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31-	32	33	34	35	36

PHRPOSE: 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.

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(ase 3656: (d) Creation of a new gas pool. POOL Paduca - Wolfcamp Gas COUNTY Eddy RANGE 31 East TOWNSHIP 25 South 11 10 14 15 -16 18 23 22 21-20 -19 26 27 28 29 30 36 34 33-32 Purpose: One completed gas well capable of producing

Peraco Inc. - Cotton Draw Unit #65 in Unit G of

Section 2-25-31, Completed in Wolfcamp on June 3, 1967. 190 of persorations is 12,803.

Proposed pool boundary colored in red. Section 2: NE/4 Top of perforations is 12,803.

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

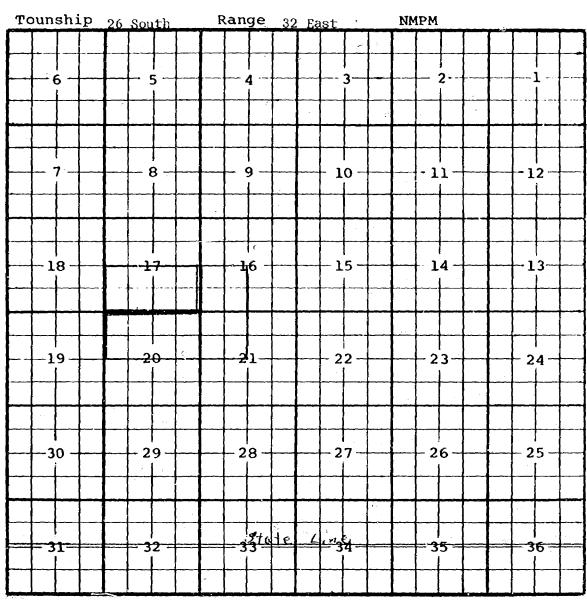
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CASE 3656: (f) EXTENSION OF AN EXISTING OIL POOL

County LEA POOL NORTH BAGLEY-UPPER PENNSYLVANIAN

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County LEA Pool EAST MASON-DELAWARE



PHRPOSE: 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 J.	an Andres -	Veso
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Purpose: One com, Yates Petroleum Corp	oleted oil wi	ell Gapabi	it A of G	ucing chim 24-18-25
Completed in San And	tres-Veso on Ju	ne 8,1967/0p 6	of perforat	ions is 3205'
Pool boundance in re	· 1			
Proposed extension	n green. So	ection 24	: St SE/4	<u> </u>
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Case 3656:(j) Extension of an existing pool.

COUNTY Eddy	•			Ivanian Cras
TOWNSHIP 20 South	•	26 East	NMPM	
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Purpose : One com Jult Oil Corp • Sp	orivas Unit	<u>eu capapic</u> +3 in Unit l	of Section	ing 34-20-26
Completed in Penn	sylvanian on	June 26, 19	67 Top of	perforations 8049
OUL BOUNGARY IN	184.			
Proposed extens	ion in green	n. Sectio	n 34: S/	2
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Case 3656:(k) Contraction of an existing pool

COUNTY Eda	/y	POOL Square	e Lake Gr	gayburg-San	Andres
TOWNSHIP/7J	outh	RANGE 302	Fast	nmpm	
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	4-1-1-				
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Case 3656: (l) Extension of an existing pool.

COUNTY Eddy	PC PC	OOL Gra	yburg-	Jackso	on.	
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		Taris Caris				
31	- 32	33	34-	35		36
Purpose: To p Init in the Pool boundary	lace all a	ocreage	in the G	rayburg	Sackson	San Andr
Init in the	Graybu	rg - Ja	ckson i	001.		
ool boundar	y in rec	4			11-1	<del></del>
<u>Proposed ext</u>	ension	in Greei	n. Seco	tion 12.	NE/4	<del></del>
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CASE 3656: (m) EXTENSION OF AN EXISTING OIL POOL County LEA Pool TATUM-WOLFCAMP Tounship Range NMPM 10 -11 -16 15. 14 -18 - 20 -21-22--19 23-24 29 - 28 - 31-- 32 33 -- 34 -35 36 PURPOSE: One completed oil well capable of producing.

PURPOSE: One completed oil we'll 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

TOWNS/IP 7 South RANGE 36 East NMFM	COUNTY	ROO	SEVELT	P00	L TO	DD-I	OME	R SAN	ANDRE	3			
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URPOSE: One completed oil well capable of producing.  RANKLIN, ASTON & FAIR, INC Skelly Smith State #1 in Unit B of Sect: 1-7-36. Completed in Lower San Andres on August 1, 1967. Top of Perations 4243¹.  coll boundary colored in red.						<b> </b>					-		<del> </del>
JRPOSE: One completed oil well capable of producing. RANKLIN, ASTON & FAIR, INC Skelly Smith State #1 in Unit B of Sect. 1-7-36. Completed in Lower San Andres on August 1, 1967. Top of Perations 4243'. Tool boundary colored in red.													↓
JRPOSE: One completed oil well capable of producing. RANKLIN, ASTON & FAIR, INC Skelly Smith State #1 in Unit B of Sector- 1-7-36. Completed in Lower San Andres on August 1, 1967. Top of Personations 4243'. Top of boundary colored in red.											1		↓
JRPOSE: One completed oil well capable of producing. RANKLIN, ASTON & FAIR, INC Skelly Smith State #1 in Unit B of Sector- 1-7-36. Completed in Lower San Andres on August 1, 1967. Top of Personations 4243'. Top of boundary colored in red.	19-		20		- 21-			- 22 -		- 23-		+ 24-	↓
iRPOSE: One completed oil well capable of producing. RANKLIN, ASTON & FAIR, INC Skelly Smith State #1 in Unit B of Sect: 1-7-36. Completed in Lower San Andres on August 1, 1967. Top of Periations 4243'. Doll boundary colored in red.											<del>                                     </del>		<del> </del>
JRPOSE: One completed oil well capable of producing. RANKLIN, ASTON & FAIR, INC Skelly Smith State #1 in Unit B of Sect: 1-7-36. Completed in Lower San Andres on August 1, 1967. Top of Perations 4243'. Tool boundary colored in red.		┷					_						1-
URPOSE: One completed oil well capable of producing. RANKLIN, ASTON & FAIR, INC Skelly Smith State #1 in Unit B of Sect: 1-7-36. Completed in Lower San Andres on August 1, 1967. Top of Perations 4243'. Cool boundary colored in red.											- -		<b> </b>
PROSE: One completed oil well capable of producing.  RANKLIN, ASTON & FAIR, INC Skelly Smith State #1 in Unit B of Sect: 1-7-36. Completed in Lower San Andres on August 1, 1967. Top of Perations 4243'.  Bool boundary colored in red.	30 -		29	_	- 28 -			-27-		- 26 -		25 -	-
JRPOSE: One completed oil well capable of producing.  ANKLIN, ASTON & FAIR, INC Skelly Smith State #1 in Unit B of Sect:  1-7-36. Completed in Lower San Andres on August 1, 1967. Top of Periations 42431.  The boundary colored in red.						<b>                                     </b>		_			<del>                                     </del>		ļ
URPOSE: One completed oil well capable of producing.  RANKLIN, ASTON & FAIR, INC Skelly Smith State #1 in Unit B of Sect: 1-7-36. Completed in Lower San Andres on August 1, 1967. Top of Persations 4243'.  pool boundary colored in red.		-										<del></del>	<del> </del>
URPOSE: One completed oil well capable of producing.  RANKLIN, ASTON & FAIR, INC Skelly Smith State #1 in Unit B of Sect: 1-7-36. Completed in Lower San Andres on August 1, 1967. Top of Perations 4243'.  col boundary colored in red.										<del>                                     </del>	<del>                                     </del>		-
RANKLIN, ASTON & FAIR, INC Skelly Smith State #1 in Unit B of Sector 1-7-36. Completed in Lower San Andres on August 1, 1967. Top of Persations 42431.	<del></del>		32	<u>. 18  </u>	- 3 <sup>!</sup> 3 -			~ 34-		- 35 -		36-	╀
RANKLIN, ASTON & FAIR, INC Skelly Smith State #1 in Unit B of Sector 1-7-36. Completed in Lower San Andres on August 1, 1967. Top of Persations 42431.		-							-				-
RANKLIN, ASTON & FAIR, INC Skelly Smith State #1 in Unit B of Sector- 1-7-36. Completed in Lower San Andres on August 1, 1967. Top of Pertations 4243'.													
ool boundary colored in red.	RANKLIN 1-7-36.	, AST Com	ON & FAIR	R, INC	Sl r San	kell And	y S res	mith S on Au	tate   gust	l in	Unit I	of Se	cti
										5 			<u>_</u>
roposed pool extension colored in green. SECTION 31: NE/4													
	roposed	pool	extension	m col	ored	ın_g	ree	n. SE	CTION	31: 1	NE/4		
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CASE 3656: (o) EXTENSION OF AN EXISTING OIL POOL COUNTY CHAVES POOL TOM-TOM SAN ANDRES

TOWNSHIP	7 South	RANGE	31 Eas1	<u> </u>	NMPM	Т		
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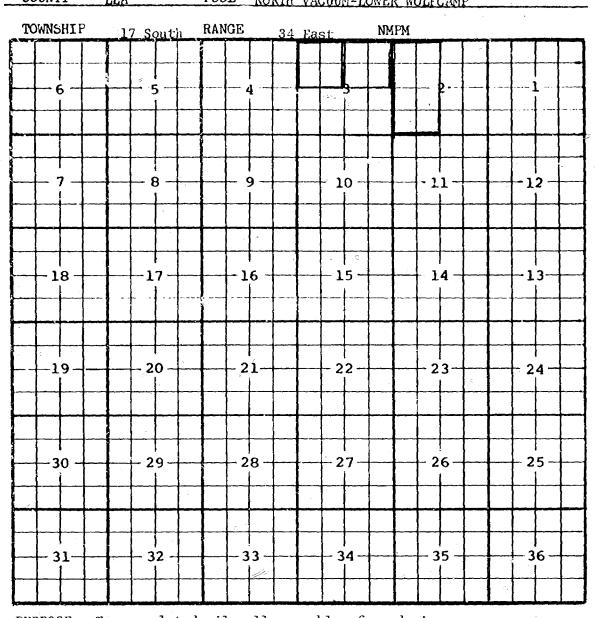
PURPOSE: One completed oil well capable of producing.
PAN AMERICAN PETROLEUM CORPORATION - Miller Federal #2 in Unit J of Sec-
tion 34-7-31. Completed in San Andres on July 17, 1967. Top of Perfora-
tions 3900'.
ADDITIONPAN AMERICAN PETROLEUM CORPORATION - Miller Federal #5 in Unit
F of Section 34-7-31. 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
ADDITIONSSECTION 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	
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31	32	33	34-	35	36
	1 1	1-1-	1111		

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



FUNTOSE: TWO COMPTETED OIL WELLS CAPADLE OF PRODUCTING.
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 Wolcamp 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

POOL NORTH VACUUM-LOWER WOLFGAMP TOWNSHIP RANGE 10 -11-14 --16 - 15 --18 17 -13-22 -19 20 -21 23 27 - 26 --30 -29 25 -- 28 -- 31-32 -- 33 -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 COUNTY LEA POOL VADA-PENNSYLVANIAN

TOWNSHIP	9 South	RANGE	34 East	NMPM	
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7	8	9 -	10	-11	12
18	19	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.

MIDWEST OIL CORPORATION - Vada Lee Pruitt A #2 in Unit G of Section 179-34. 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