CASE	35	97:
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SOUTHEASTERN NEW MEXICO NOMENCLATURE 195E MO.

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 CONSUSSION OF THE STATE OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:

> CASE No. 3597 Order No. R-3262

THE APPLICATION OF THE OIL CONSERVATION CONNIÈSION UPON ITS OWN MOTION FOR AN ORDER CREATING, CONTRACTING, AND EXTENDING THE VERTICAL AND HORIZONTAL LIMITS OF 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 June 16, 1967, at Santa Pe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 19th day of June, 1967, the Commission, a quorum being present, having considered the testimony presented and the exhibits received at said hearing and being fully advised in the premises,

#### FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That there is need for the creation of a new oil pool in Chaves County, New Mexico, for the production of oil from the San Andres formation, said pool to bear the designation of Tom-tom San Andres Pool. Further, that the discovery well for said pool, Pan American Petroleum Corporation's Miller Federal No. 1 located in Unit P of Section 34, Township 7 South, Range 31 East, NMPM, is entitled to and should receive a bonus discovery oil allowable in the amount of 19,570 barrels to be assigned over a two-year period. The top of the perforations in said well is 3,954 feet.

-2-CASE No. 3597 Order No. R-3262

- (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 San Andres formation, said pool to bear the designation of Pearl-San Andres Pool. Said Pearl-San Andres Pool was discovered by Shell Oil Company, Record No. 2, located in Unit G of Section 35, Township 19 South, Range 35 East, EMPM. It was completed in San Andres on April 10, 1967. The top of perforations is 5320 feet.
- (4) That there is need for the deletion of certain acreage from the Square Lake Grayburg-San Andres Pool in Eddy County, New Moxico, in order that said acreage may be placed in the Grayburg-Jackson Pool so that all of an operator's wells on one lease in a waterflood may be in one pool.
- (5) That there is need for the extension of the vertical limits of the Dollarhide-Drinkard Pool in Lea County, New Mexico, to include the Tubb formation and redesignate said pool as Dollarhide Tubb-Drinkard Pool.
- (6) That there is need for certain extensions to the North Benson Queen-Grayburg Pool, the Burton-Yates Pool, the Grayburg Jackson Queen-Grayburg-San Andres Pool, and the Penasco Draw San Andres-Yeso Pool, all in Eddy County, New Mexico, the North Bagley-Lower Pennsylvanian Pool, the South Corbin-Strawn Pool, the Fowler-Lower Paddock Gas Pool, the Inbe-Pennsylvanian Pool, the Lea-Pennsylvanian Gas Pool, the Vada-Pennsylvanian Pool, and the Wantz-Abo Pool, all in Lea County, New Mexico, and the South Prairie-San Andres Pool in Roosevelt County, New Mexico.

#### IT IS THEREFORE ORDERED:

(a) That a new pool in Chaves County, New Mexico, classified as an oil pool for San Andres production, is hereby created and designated as the Tom-tom San Andres Pool, consisting of the following-described area:

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

That the discovery well for said pool, the Pan American Petroleum Corporation Miller Federal Well No. 1, located in Unit P of Section 34, Township 7 South, Range 31 East, NMPM, is hereby authorised an oil discovery allowable of 19,570 barrels to be assigned to said well at the rate of 27 barrels per day in accordance with Rule 509 of the Commission Rules and Regulations.

-3-CASE No. 3597 Order No. R-3262

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

### TOWNSHIP 19 SOUTH, RANGE 35 EAST, NAPM Section 35: NE/4

(c) 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 29 EAST, MMPM

Section 10: E/2 and E/2 W/2

Section 11: W/2

Section 14: N/2

Section 15: NE/4

- (d) That the vertical limits of the Dollarhide-Drinkard Pool in Lea County, New Mexico, are hereby extended to include the Tubb formation and said pool redesignated the Dollarhide Tubb-Drinkard Pool.
- (e) That the North Bagley-Lower Pennsylvanian Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

#### TOWESHIP 11 SOUTH, RANGE 33 EAST, NMPM

Section 4: SE/4

Section 8: SE/4

Section 9: 8/2

Section 10: NE/4

Section 11: NW/4

Section 15: NE/4

Section 16: NW/4

Section 21: All

Section 27: All

Section 28: All

Section 29: 8/2

(f) That the North Benson Queen-Grayburg Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 18 SOUTH, RANGE 30 EAST, NMPM Section 32: NE/4 SW/4

-4-CASE No. 3597 Order No. R-3262

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

### TOWNSHIP 20 SOUTH, RANGE 29 EAST, MMPM Section 7: SE/4 ME/4 and E/2 SE/4

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

#### TOWNSHIP 18 SOUTH, RANGE 33 EAST, MMPM Section 27: N/2

(i) That the Fowler-Lower Paddock Gus Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

### TOWNSHIP 24 SOUTH, RANGE 37 BAST, NMPM Section 22: All

(j) That the Grayburg Jackson Queen-Grayburg-San Andres
Pool in Eddy County, New Mexico, as heretofore classified,
defined, and described, is hereby extended to include therein:

#### TOWNSHIP 17 SOUTH, RANGE 29 EAST, NIPH

Section 10: E/2 and E/2 W/2

Section 11: W/2

Section 14: N/2

Section 15: NE/4

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

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM Section 27: SW/4

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM

Section 13: SW/4

Section 24: SE/4

TOWNSHIP 11 SOUTH, RANGE 34 EAST, NMPM Section 8: NW/4

-5-CASE No. 3597 Order No. R-3262

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

#### TOWNSHIP 20 SOUTH, RANGE 34 EAST, NMPM Section 11: 5W/4

(m) 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 19 SOUTH, RANGE 25 BAST, NMPM

Section 4: SW/4 Section 5: SE/4

Section 8: E/2 NE/4

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

#### TOWNSHIP 8 SOUTH, RANGE 36 EAST, NMPM Section 20: NE/4

(c) That the Vada-Pennsylvanian Fool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

#### TOWNSHIP 9 SOUTH, PANGE 34 RAST, MAPM Section 17: 5/2

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

#### TOWESHIP 21 SOUTH, PANGE 37 BAST, HMPM Section 4: SW/4

### IT IS FURTEER ORDERED:

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

-6-CASE No. 3597 Order No. R-3262

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

STATE OF NEW MEXICO OIL COMPRESATION COMMISSION

DAVID F. CARGO, Chairman

GUYTON B. HAYS, Member

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

NOMENCLATURE ADVERTISEMENT FOR JUNE, 1967% CASE 35 97 0

In the matter of the application of the Oil Conservation Commission of New Mexico upon its own motion for an order for the creation of a new pool in Lea County, New Mexico, the deletion of an existing pool in Eddy County, New Mexico, and the extension of vertical and horizontal limits of certain existing pools in Eddy, Lea, and Roosevelt Counties, New Mexico; and giving notice to all persons and parties interested in the subject matter thereof to appear and show cause why such creations, deletions, and extensions of vertical and horizontal limits should not be made.

a) CREATE A new pool in Lea County, New Mexico, classified as an oil pool for San Andres production and designated as the Pearl-San Andres Pool. The discovery well is Shell Oil Company, Record No. 2, located in Unit Gof Section 35, Township 19 South, Range 35 East, NMPM. Said pool described as:

TOWNSHIP 19 SOUTH, RANGE 35 EAST, NAPH SECTION 35: NE/4

Contract

b) DELETE the Square Lake Grayburg-San Andres Pool in Eddy County, New Mexico, described as: by deletion of the following described area:

TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM

SECTION 10: E/2 and E/2 W/2

SECTION 11: W/2

SECTION 14: N/2

SECTION 15: NE/4

New Mexico, to include the Tubb formation and redesignate said pool as Dollarhide Tubb-Drinkard Pool.

(d) EXTEND the North Bagley-Lower Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM

SECTION 4: SE/4

SECTION 16: NW/4

SECTION 21: All

SECTION 27: All

SECTION 28: All

SECTION 29: S/2

e) EXTEND the North Benson Queen-Grayburg Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 30 EAST, NAPM SECTION 32: NE/4 SW/4

f) EXTEND the Burton-Yates Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 29 EAST, NMPM SECTION 7: SE/4 NE/4 and E/2 SE/4

g) EXTEND the South Corbin-Strawn Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 33 EAST, NAPM SECTION 27: N/2

-2-June, 1967 Nomenclature

h) EXTEND the Fowler-Lower Paddock (s Pool in Lea County, New Mexico, to include therein:

### TOWNSHIP 24 SOUTH, RANGE 37 EAST, NMPM SECTION 22: All

i) EXTEND the Grayburg Jackson Queen Grayburg-San Andres Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 29 EAST, NNPM SECTION 10: E/2 and E/2 W/2

SECTION 11: W/2 SECTION 14: N/2 SECTION 15: NE/4

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

### TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM SECTION 24: SE/4

( ) EXTEND the Lea-Pennsylvanian Gas Pool in Lea County, New Mexico, to include therein:

### TOWNSHIP 20 SOUTH, RANGE 34 EAST, NMPM SECTION 11: SW/4

1) EXTEND the Penasco Draw San Andres-Yeso Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 25 EAST, NMPM SECTION 4: SW/4
SECTION 5: SE/4
SECTION 8: E/2 NE/4

m) EXTEND the South Prairie-San Andres Pool in Roosevelt County, New Mexico, to include therein:

### TOWNSHIP 8 SOUTH, RANGE 36 EAST, NMPM SECTION 20: NE/4

n) EXTEND the Vada-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

### TOWNSHIP 9 SOUTH, RANGE 34 EAST, NMPM SECTION 17: SW/4

Vo) EXTEND the Wantz-Abo Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 21 SCUTH, RANGE 37 EAST, NMPM SECTION 4: SW/4

#### DOCKET: REGULAR HEARING- FRIDAY - JULE 16, 1967

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

ALLOWABLE:

- (1) Consideration of the pil allowable for July, 1967;
- (2) Consideration of the allowable production of gas for July, 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 July, 1967, also presentation of purchasers' nominations for the six-month period beginning August 1, 1967, for that area.

#### CASE 3597:

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 another pool in Lea County, New Mexico and for the extension and contraction of certain other pools in Lea, Eddy, and Roosevelt Counties, New Mexico.

(a) Create a new pool in Chaves County, New Mexico, classified as an oil pool for San Andres production and designated the Tom-tom San Andres Pool, comprising the following-described acreage:

### TOWNSHIP 7 SOUTH, RANGE 31 EAST, NAPM SECTION 34: SE/4 of the SE/4

Further, for the assignment of approximately 19,570 barrels of oil discovery allowable to the discovery well, Pan American Petroleum Corporation's Miller Federal Well No. 1 located in Unit P of said Section 34.

(b) Create a new pool in Lea County, New Mexico, classified as an oil pool for San Andres production and designated the Pearl-San Andres Pool, comprising the following-described area:

### TOWNSHIP 19 SOUTH, RANGE 35 EAST, NMPM SECTION 35: NE/4

(c) Contract the Square Lake Grayburg-San Andres Pool in Eddy County, New Mexico, by deletion of the following described area:

TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM

SECTION 10: E/2 and E/2 W/2

SECTION 11: W/2 SECTION 14: N/2 SECTION 15: NE/4

#### June 16, 1967, Regular Hearing

Docket No. 18-67

- (d) Extend the vertical limits of the Dollarhide-Drinkard Pool in Lea County, New Mexico, to include the Tubb formation and redesignate said pool as Dollarhide Tubb-Drinkard Pool.
- (e) Extend the North Bagley-Lower Pennsylvanian Pool to include therein:

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM SECTION 4: SE/4 SECTION 16: NW/4 SECTION 21: All SECTION 27: All SECTION 28: All SECTION 29: S/2

+

(f) Extend the North Benson Queen-Grayburg Pool to include therein:

TOWNSHIP 18 SOUTH, RANGE 30 EAST, NMPM SECTION 32: NE/4 SW/4

(g) Extend the Burton-Yates Pool to include therein:

TOWNSHIP 20 SOUTH, RANGE 29 EAST, NMPM SECTION 7: SE/4 NE/4 and E/2 SE/4

(h) Extend the South Corbin-Strawn Pool to include therein:

TOWNSHIP 18 SOUTH, RANGE 33 EAST, NMPM SECTION 27: N/2

(i) Extend the Fowler-Lower Paddock Pool to include therein:

TOWNSHIP 24 SOUTH, RANGE 37 EAST, NMPM SECTION 22: All

(j) Extend the Grayburg Jackson Queen Grayburg-San Andres Pool to include therein:

TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM

SECTION 10: E/2 and E/2 W/2 SECTION 11: W/2

SECTION 14: N/2 SECTION 15: NE/4

(k) Extend the Inbe-Pennsylvanian Pool to include therein:

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM SECTION 24: SE/4

Docket No. 18-67

(1) Extend the Lea-Pennsylvanian Gas Pool to include therein:

TOWNSHIP 20 SOUTH, RANGE 34 EAST, NMPM SECTION 11: SW/4

(m) Extend the Penasco Draw San Andres-Yeso Pool to include therein:

TOWNSHIP 19 SOUTH, RANGE 25 EAST, NMPM SECTION 4: SW/4 SECTION 5: SE/4 SECTION 8: E/2 NE/4,

(n) Extend the South Prairie-San Andres Pool to include therein:

TOWNSHIP 8 SOUTH, RANGE 36 EAST, NMPM SECTION 20: NE/4

(o) Extend the Vada-Pennsylvanian Pool to include therein:

TOWNSHIP 9 SOUTH, RANGE 34 EAST, NMPM SECTION 17: SW/4

(p) Extend the Wantz-Abo Pool to include therein:

TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM SECTION 4: SW/4

FORM 446 8-66

PAN AMERICAN PETROLEUM GORPORATION

OIL AND GAS BUILDING

FORT WORTH, TEXAS-76101

May 22, 1967

D. L. RAY DIVISION ENGINEER

File:

GHF-266-986.510.1

Subject: Application for Discovery Allowable and Creation of a New Pool, Pan American Petroleum Corporation Miller Federal No. 1 Chaves County, New Mexico

Vase 35-97

New Mexico Oil Conservation Commission Mr. A. L. Porter, Jr. Secretary-Director P. O. Box 2088 Santa Fe, New Mexico

Dear Sir:

Pan American Petroleum Corporation respectfully requests approval of a discovery allowable and creation of a new pool for Miller Federal No. 1 that is located 660' FSL and 660' FEL, Section 34, T-7-S, R-31-E NMPM, Chaves County, New Mexico. The requirements for a discovery allowable as set forth in Statewide Rule 509, Oil Discovery Allowable Order R-3105, September 1, 1966, have been fulfilled and the required supporting data are attached.

Pan American Petroleum Corporation's Miller Federal No. 1 was completed on April 6, 1967, from the San Andres formation for a pumping potential of 57 barrels of oil, 38 barrels of water in 24 hours with a gas-oil ratio too small to measure. Work was initiated on April 28, 1967, to open additional San Andres formation in order to increase productivity. The original completion interval was 3954-3984. An interval from 3914-3926, 3933-3943 was perforated and stimulated with 5000 gallons of acid. On a test dated May 4, 1967, Miller Federal No. 1 pumped 92 barrels of oil, 41 barrels of water in 24 hours with a gas-oil ratio too small to measure. A copy of Form C-116, Gas-Oil Ratio Test, that was submitted for Miller Federal No. 1 to reflect latest productivity is attached for your information.

The nearest San Andres production to the Miller Federal No. 1 is 2½ miles east from Cactus Drilling Corporation of Texas' Wilson Federal No. 1 located in Section 6, T-8-S, R-32-E. Figure 1 is a map depicting all wells within a two-mile radius of the discovery well and shows all wells drilled with pertinent information noted. There is none now nor has there ever been any oil production within this two-mile radius except for the recent completion of Miller Federal No. 1. Figure 2 is a

DOCKET MAILED

Date-

File: GHF-266-986.510.1 May 22, 1967

complete electrical log of Miller Federal No. 1 with the perforations shown along with the formation top. Figure 3 is a composite exhibit showing a cross section and a structural map to illustrate the structural position and development of the San Andres formation in the area of Miller Federal No. 1. Reservoir data such as bottom hole pressure, core analysis, and reservoir liquid characteristics are not available for the Miller Federal No. 1.

The bona fide nature of the oil discovery for Miller Federal No. 1 is supported by the fact the well is located in an area of unproven oil production. Furthermore, the 92 barrel per day test taken on May 4, 1967 demonstrates that Miller Federal No. 1 is a commercial well. Therefore, Pan American Petroleum Corporation respectfully requests favorable consideration of this application for discovery.

Yours very truly,

D. L. Ray glf

BHB:df

CC - New Mexico Oil Conservation Commission (2) 1000 W. Broadway P. O. Box 1980 Hobbs, New Mexico Attention: Mr. Joe D. Ramey

Offset Operators - List attached

### List of Operators Owning Leases Within One Mile of Miller Federal No. 1

Allied Chemical Corporation 3000 Richmond Avenue Houston, Texas

Atlantic Richfield Company Box 1978 Roswell, New Mexico

Cities Service Oil Company Cities Service Bldg. Bartlesville, Oklahoma Getty & Mission Box 249 Hobbs, New Mexico

Texas Pacific Oil Company Box 747 Dallas, Texas

MWJ Producing Company 413 First Natl. Bk. Bldg. Midland, Texas 79701

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

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.

Operator			Address			
Pan American Petroleu	m Corporatio	n	Box 1410	, Fort Wor	th, Texas	
Lease Name Miller Federal			Well No.	County	es	
Well Location Unit Letter P	. 660			South		660 5
From the East Line of			— Feet from The — 7 South		Line and	
Suggested Pool Names (List in order o	of preference)	. Township	<del></del>	, Ronge	31 East	, NMPM
Name of Producing Formation	S 2. Perforations	Tom Tom-Sa	ın Andres	3,	Tom San Ar	ndres Filing Form C-104
San Andres Was "Affidavit of Discovery" Previou		3933-48, &		was Spudded		-14-67 ompl. Ready to Prod.
For This Well in this Pool?			3-	15-67	\$	4-6-67
Total Depth Plugged F	Back Depth 4025	Depth Casing St		epth 05	Elevation (Gr. 4325	DF, RKB, RT, etc.;
Oil Well Potential (Test to be taken on			3.9	Dhie W.		20
Bbls, Oil Per Day B	Based On	Bbls In24		Dois wate	r Per Day Ba <b>sed</b>	
In 24 Hours; Gas Produ EAREST PRODUCTION TO THIS DISC	uction During Test:		Gas-Oll CF: Ratio:		: rump	Chk.
l or vertical separation):	Name of Producing	<u> </u>	Top of Pay	1, 4	of Pay	Currently Producing?
Undesignated San An	dres San A	ndres	4053	40	69	Yes
Horizontal Distance and Direction from Nearest Well in this Pool 22 miles east	n Subject Discovery	Well to the	Vertical Distance Pool	_	scovery Zone to	Producing Interval this
*Cactus Drilling Co	rp. of Texas	Wilson-Fe	ederal No. 1	Section	6, T-8-S,	R-32-E
Pool Name			Top of Pay	Bottom	of Pay	Currently Producing?
Undesignated San And forizontal Distance and Direction from 2½ miles east		Well to the Neare	4053 est Well in this Com	ograble Pool	4069	Yes 1951
		<u></u>		25		159119
s "County Deep" Discovery Allowable	e If Yes Give Nam		e de la companya del companya de la companya del companya de la co			
lequested for Subject Discovery Well?	111 100, 0110 114	ne, Location, and	Depth of Next Deep	est Oil Productio	on in this County	
equested for Subject Discovery Well?		ne, Location, and	Depth of Next Deep	est Oil Production	on in this County	
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s the Subject Well Is Discovery All	llowable   If Y			est Oil Production	on In this County	
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the Subject Well altiple Completion? Is Discovery All Requested for o	ilowable other Zone(s)?	Yes, Name all Suc	ch Formations	al sheet if necess	Sary) ADDRESS	
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sthe Subject Well Requested for of Requested for the Requested for the Requested for of Requested for the Requested for	SES WITHIN ONE MI me cation	Yes, Name all Suc	LL (Attach additions 3000 Richmo	nd Ave., Hoswell, Ne	Address Louston, Te	xas
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s the Subject Well Requested for of NAM Allied Chemical Corpor Atlantic Richfield Com Cities Service Oil Com Getty & Mission	SES WITHIN ONE MI ME cation npany	Yes, Name all Suc	3000 Richmo Box 1978, R Cities Serv Box 249, Ho Box 747, Da	nd Ave., Hoswell, Neice Bldg.,	ADDRESS Louston, Tellow Mexico Bartlesvi Lexico	lle, Okla.
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Is the Subject Well (ultiple Completion?   Is Discovery All Requested for of Reguested for	ses within one mi me cation mpany	res, Name all Suc	Box 1978, R Cities Serv Box 249, Ho Box 747, Da 413 First I	nd Ave., Hoswell, Neice Bldg., bbs, New M llas, Texa	ADDRESS Louston, Tellow Mexico Bartlesvi Lexico S Bldg., Mid	land, Texas
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Aultiple Completion? Requested for or  IST ALL OPERATORS OWNING LEAS  NAM  Allied Chemical Corpor  Atlantic Richfield Com  Cities Service Oil Com  Getty & Mission  Texas Pacific Oil Comp	ses within one mi me cation mpany	res, Name all Suc	Box 1978, R Cities Serv Box 249, Ho Box 747, Da 413 First I	nd Ave., Hoswell, Neice Bldg., bbs, New M llas, Texa	ADDRESS Louston, Tellow Mexico Bartlesvi Lexico S Bldg., Mid	land, Texas

Asst. Prod. Supt.

Position

Signature

5-22-67

Date

### REQUEST FOR THE EXTENSION OF AN EXISTING POOL

OR

## OR THE CREATION OF A NEW POOL

TO: The Oil Cons	ervation Commission		Date	May 23,	1967
	f New Mexico				•
•					is a second of the second of t
•			•		•
ThePar	n American Petroleur	n Corporation	Miller Fo	deral	
	Name of Operator		Nam	e of Lease	
1	660				660
V'ell No.	ited freets fr	om the South		line and	fee
A. eff Mo.	. Acceptance				
from the Eas	it line of	34	T-7-S	R-	31-E
, i VIII. #116		Section	Township		Range
	direction of the control of the cont				, · · ·
s outside the bound:	aries of any pool producir	ng from the same forma	tion. On the basis of	the information	submitted here
•	·			•	
with on form C-105,	we hereby request that t	he		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	*****************
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pool be extended to i	nclude the following descr	ibed area			
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		Pan Ame	rican Petroleum		
•			Oper	ator	
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Name of Producing	Formation: San Andr	es \			•
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### NEW MEXICO OIL CONSERVATION COMMISSION GAS-OIL RATIO TESTS

C-116 Revised 1-1-65

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No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15,025 pale and a temperature of 60° F. Specific gravity base will be 0,60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

I hereby certify that the above informatic is true and complete to the best of my knowledge and helief.

are a Sifference of the State o

(Date)

သ GOVERNOR DAVID F. GARGO CHAIRMAN

### State of New Mexico Bil Conservation Commission

Care 3597

LAND COMMISSIONER GUYTON B. HAYS MEMBER



P. O. BOX 1980 новвѕ May 29, 1967 STATE GEOLOGIST A. L. PORTER, JR. SECRETARY - DIRECTOR

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

Pan American Petroleum Corporation Discovery Allowable on Miller Federal No. 1 Section 34, T-7-S, R-31-E

### Dear Dan:

I recommend that the Miller Federal No. 1 be given a discovery allowable as applied for. I also recommend that a new pool be created and called the Best Lake-San Andres Pool. (Said lake is close by.)

- (1) Their application for a discovery allowable is in good order with all required exhibits.
- (2) The new pool is a stratigraphic trap, as shown by the structure map. Dip of the San Andres formation is normal for the area.
- (3) The reservoir is apparently controlled by a permeability pinch out up dip to the west, as indicated by the dry holes to the west.
- (4) Nearest production to the east (2½ miles) is also most likely to be permeability controlled on its west side, leaving the discovery well, Pan American Petroleum Corporation's Miller

Federal No. 1, located in Unit P of Section 34, Township 7 South, Range 31 East, as a separate oil reservoir.

Very truly yours,

OLL CONSERVATION COMMISSION

John W. Runyan uDistrict Geologist

JWR:fd

FORM 502 8 43

### PAN AMERICAN PETROLEUM CORPORATION

FORT WORTH, TEXAS 7610L

May 22, 1967

File:

GHF-266-986.510.1

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Subject:

Application for Biscovery Allowable and Creation of a New Pool, Pan American Petroleum Corporation Miller Federal No. 1 Chaves County, New Mexico

Hew Mexico Oil Conservation Commission Mr. A. L. Perter, Jr. Secretary Director P. O. Box 2088 Santa Fe, New Mexico Care 3597

Dear Sir:

Pan American Petroleum Corporation respectfully requests approval of a discovery allowable and creation of a new pool for Miller Federal No. 1 that is located 660° FEL and 660° FEL, Section 34, T-7-S, R-31-E MMPM, Chaves County, New Mexico. The requirements for a discovery allowable as set forth in Statewide Rule 509, Oil Discovery Allowable Order R-3105, September 1, 1966, have been fulfilled and the required supporting data are attached.

Pan American Petroleum Corporation's Miller Federal No. 1 was completed on April 6, 1967, from the San Andres formation for a pumping potential of 57 barrels of oil, 38 barrels of water in 24 hours with a gas-oil ratio too small to measure. Work was initiated on April 26, 1967, to open additional San Andres formation in order to increase productivity. The original completion interval was 3954-3984. An interval from 3914-3926, 3933-3943 was perforated and stimulated with 5000 gallons of acid. On a test dated May 4, 1967, Miller Federal No. 1 pumped 92 barrels of oil, 41 barrels of water in 24 hours with a gas-oil ratio too small to measure. A copy of Form C-116, Gas-Oil Ratio Test, that was submitted for Miller Federal No. 1 to reflect latest productivity is attached for your information.

The nearest San Andres production to the Miller Federal No. 1 is 2½ miles east from Cactus Drilling Corporation of Texas' Wilson Federal No. 1 located in Section 6, T-8-S, R-32-E. Figure 1 is a map depicting all wells within a two-mile radius of the discovery well and shows all wells drilled with pertinent information noted. There is none now nor has there ever been any oil production within this two-mile radius except for the recent completion of Miller Federal No. 1. Figure 2 is a

complete electrical log of Miller Federal No. 1 with the perforations shown along with the formation top. Figure 3 is a composite exhibit showing a cross section and a structural map to illustrate the structural position and development of the San Andres formation in the ares of Miller Federal No. 1. Reservoir data such as bottom hole pressure, core analysis, and reservoir liquid characteristics are not available for the Miller Federal No. 1.

The bone fide nature of the oil discovery for Miller Federal Ho. 1 is supported by the fact the well is located in an area of unproven oil production. Furthermore, the 92 barrel per day test taken on May 4, 1967 demonstrates that Miller Federal No. 1 is a commercial well, Therefore, Pan American Petroleum Corporation respectfully requests favorable consideration of this application for discovery.

Yours very truly,

D. L. Ray off

BHB: df

CC - New Mexico Oil Conservation Commission (2) 1000 W. Broadway P. O. Box 1980 Bobbs, New Mexico Attention: Mr. Joe D. Ramey

Offset Operators - List attached

List of Operators Owning Leases Within One Mile of Miller Federal No. 1

# Allied Chemical Corporation 3000 Richmond Avenue Houston, Texas

Atlantic Richfield Company Box 1978 Roswell, New Mexico

Cities Service Oil Company Cities Service Bldg. Cities Service Oklahoma Bartlesville, Oklahoma

Hobbs, New Mexico

Texas Pacific Oil Company Box 747 Dallas, Texas

MWJ Producing Company 413 First Natl. Bk. Bldg. Midland, Texas 79701

CIONES. This form to to be filted and attachments made in negaridance with the provisions of Rule BBBS OFFICE O. C. C. Desired and a second provision of the filter of the cook.

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*Cactus Drilling Corp. of Texas Wi NEAREST COMPARABLE PRODUCTION (Includes past and prese			
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is "County Deep" Discovery Allowable   If Yes, Give Name, Loc Requested for Subject Discovery Well?	ation, and Depth of Next Deep	est Oil Production in this Cou	anty '
is the Subject Well is Discovery Allowable Multiple Completion? Requested for other Zone(s)?	me all Such Formations		
LIST ALL OPERATORS OWNING LEASES WITHIN ONE MILE OF	THIS WELL (Assach addition	al sheet if necessary)	
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Atlantic Richfield Company	Вох 1978, І	Roswell, New Mexico	<b>)</b>
Cities Service Oil Company	Cities Serv	vice Bldg., Bartles	sville, Okla.
Getty & Mission	Box 249, Ho	obos, New Mexico	
Texas Pacific Oil Company	30x 747, Da	allas, Texas	
MWJ Producing Company			idland, Texas 7970
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0-22-67 Date

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### REQUEST FOR THE EXTENSION OF AN EXISTING POOL

OR

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NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116 Revised 1-1-6

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During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15,025 pala and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Hell original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

I hereby certify that the above informatic is true and complete to the best of my know ledge and belief.

are a Engineer 55-57 dearnley-meier reporting service, inc.

IZING IN: DEPOSITIONS, HEARINGS, STATEMENTS, EXPERT TESTIMONY, DAILY COPY, CO

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

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
another pool in Lea County, New
Mexico and for the extension and
contraction of certain other
pools in Lea, Eddy, and Roosevelt Counties, New Mexico.

Case No. 3597

BEFORE: A. L. Porter, Jr., Secretary Director Guyton B. Hays, Land Commissioner George M. Hatch, General Counsel

TRANSCRIPT OF HEARING



Pag	e	1	

### NEW MEXICO OIL CONSERVATION COMMISSION

REGULAR HEARING

SANTA FE , NEW MEXICO

### REGISTER

HEARING DATE	JUNE 16, 1967 TI	ME: 9 A.M.
NAME:	REPRESENTING:	LOCATION:
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NEW MEXICO OIL CONSERVATION COMMISSION

REGULAR HEARING

SANTA FE , NEW MEXICO

REGISTER

HEARING DATE JUNE 16, 1967 TIME: 9 A.M.

NAME: REPRESENTING: LOCATION:

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(45) Y

MR. PORTER: We are going to reverse the order a little bit this morning and take up Case 3597, Southeastern nomenclature. Are you ready to go on that, Mr. Ramey?

MR. RAMEY: Yes.

MR. HATCH: In Case 3597, the 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 another pool in Lea County, New Mexico and for the extension and contraction of certain other pools in Lea, Eddy, and Roosevelt Counties, New Mexico.

(Witness sworn.)

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

#### DIRECT EXAMINATION

#### BY MR. HATCH:

- Would you state your name and position for the Record?
- Joe D. Ramey, supervisor of District One, New Mexico Oil Conservation Commission.
- Are you prepared to make recommendations to the Commission concerning the creation of certain pools, the assignment of an oil discovery allowable to one of the pools, and the extension and contraction of certain other pools in Chaves, Lea, Eddy, and Roosevelt Counties, New Mexico?
  - Α Yes, sir.

- Q Have you prepared an exhibit relative to your recommendations?
  - A Yes, sir, I have.
  - Q What is the exhibit number?
- A Exhibit Number One, paragraph A through P, Southeast New Mexico nomenclature.
- Q Will you please refer to your exhibit and to paragraph A of Case 3597 and make your recommendations to the Commission concerning the creation of the new pool in Chaves County, New Mexico and the assignment of an oil discovery allowable to the discovery well, Pan American Petroleum Corporation's Miller Federal Well Number One?
- A It is recommended that this pool be created and designated as the Tom-tom San Andres oil pool. Discovery well is as you mentioned, Pan American Petroleum Company Miller Federal Well Number One located in Unit P of Section 34, Township 7 South, Range 31 East, complete on April 7, 1967, top of the perforations is that 3954. Further, it is recommended that the discovery allowable of 19,570 barrels be assigned this well.
  - Q Would you please refer again to your exhibit and describe paragraphs B through P and point out any substantial differences that exists between the two and any corrections that need to be made?

The only difference between what is shown on the docket and my exhibit would be in paragraph E, we have the following additions: Section 8 -- These are all in Township 11 South, Range 33 East. Section 8, Southeast quarter; Section 9, the South half; Section 10, Northeast quarter; Section 11, Northwest quarter; Section 15, the Northeast quarter and in paragraph K in Township 11 South, Range 33 East an addition of Section 13, the Southwest quarter. Further, in Township 10 South, Range 33 East, Section 27, Southwest quarter; Township 11 South, Range 34 East; Section 8, the Northwest quarter and then in paragraph O an addition in Township 9 South, Range 34 East, Section 17, the Southeast quarter. The remainder is as advertised on the docket.

Do you recommend that the pools be created and pools extended and contracted as advertised and corrected?

Yes, sir.

You previously stated that Exhibit One was prepared by you or under your supervision? Α

Yes, it was.

I would like to move the introduction of the Exhibit One into evidence at this time.

MR. PORTER: Without objection, the exhibit will be Are there any questions of Mr. Ramey? Witness may be dismissed. Anything further to be offered in Case 3597?

The Commission will take the case under advisement. We will take up the next consideration for the gas allowable.

SPECIALIZING IN: DEPOSITIONS, HEARINGS, STATEMENTS, EXPERT TESTIMONY, DAILY COPY, CONVENTIONS
1120 SIMMS BLDG. • P.O. 8 OX 1092 • PHONE 243-6891 • ALBUQUERQUE, NEW MEXICO 87101
1400 FIRST NATIONAL BANK EAST • PHONE 256-1284 • ALBUQUERQUE, NEW MEXICO 87108

PAGE

JOE D. RAMEY

WITNESS

Direct Examination by Mr. Hatch

INDEX

2

STATE OF NEW MEXICO SS. COUNTY OF BERNALILLO

I, Joe Jameson, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me; that the same is a true and correct record of the said proceedings, to the best of my knowledge, skill and ability.

COURT REPORTER

1120 SIMMS BLDG. • P.O. BOX 1022 • PHONE 243-6691 • ALBUBUERQUE, NEW MEXICO 87101 1400 FIRST NATIONAL BANK EAST • PHONE 256-1294 • ALBUBUERQUE, NEW MEXICO 87108

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

CASE 3597: (a) CREATION OF A NEW OIL POOL

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COUNTY Eddy POOL Square Lake (G-SA) TOWNSHIP RANGE 8 10 18 -19 -20 -21-22 23-24-28 -30 29 - 26 -- 33 -34 35 -36 31-32 -

Purpose: To delete certain acreage from the Square Lake Pool and place the same in the Grayburg Jackson Pool. This change is to place all of an operators wells on one lease in a waterflood in one pool.

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Proposed de	eletion colored in blue.
	Section 10: E/2 & E/2 W/2
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	Section 15: NE/4
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CASE 3597: (d) EXTENSION OF VERTICAL LIMITS OF AN EXISTING OIL POOL (Continued on next page)

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PURPOSE: Extend the vertical limits to allow for the salvage of oil from
the Tubb formation, which does not produce enough to be economical
for the cost of dualling or drilling new wells.

Pool boundary colored in red. SECTION 19: All
SECTION 20: W/2 SW/4
SECTION 28: All
SECTION 29: All
SECTION 30: All
SECTION 31: All
SECTION 32: All
SECTION 33: All

CASE 3597: (d) EXTENSION OF VERTICAL LIMITS OF AN EXISTING OIL FOOL (Continued)

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CASE 3597: (e) EXTENSION OF AN EXISTING OIL POOL
COUNTY LEA POOL NORTH BAGLEY-LOWER PENNSYLVANIAN

COUNTI	LEA :	POOL NOR	TH BAGLEY-LA	OWER PENNSYLVA	ANIAN
TOWNSHIP	11 South	RANGE 33	East	NMPM	
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URPOSE: T	en completed	oil wells	capable of	producing. (	Wells listed
a	ttached sheet	.)			
ool bounda	ry colored in	red.		<u> </u>	
	1.1			ECTION 4: SE	
				ECTION 16: N	
					-
				ECTION 21: A	
			<u>S</u>	ECTION 27: A	11
			\$	ECTION 28: A	11
			S	ECTION 29: S	/2
				ECTION 8: SE	
<del></del>				ECTION 9: S/	
*				ECTION 10: N	•
			S	ECTION 11: N	W/4
			S	ECTION 1.5: N	E/4

COUNTY LEA

POOL NORTH BAGLEY-LOWER PENNSYLVANIAN

TOWNSHIP

11 South

RANCE 33 East

NMPM

STOLTZ & COMPANY-CLARK - Sohio State #1 in Unit P of Section 4-11-33. Completed in Lower Pennsylvanian on April 15, 1967. Top of Perforations 10,174.

PAN AMERICAN PETROLEUM CORPORATION - State DG #1 in Unit F of Section 16-11-33. Completed in Lower Pennsylvanian on January 25, 1967. Top of Perforations 10,008.

U. S. SMELTING, REFINING & MINING COMPANY - Bagley State #3 in Unit C of Section 16-11-33. Completed in Pennsylvanian on March 9, 1967. Top of Perforations 10,086.

BELL PETROLEUM COMPANY - State K #1 in Unit K of Section 21-11-33. Completed in Lower Pennsylvanian on April 21, 1967. Top of Perforations 9839'.

PAN AMERICAN PETROLEUM CORPORATION - State "DH" #1 in Unit I of Section 21-11-33. Completed in Lower Pennsylvanian on February 6, 1967. Top of Perforations 9912'.

PAN AMERICAN PETROLEUM CORPORATION - State DH #2 in Unit P of Section 21-11-33. Completed in Lower Pennsylvanian on March 20, 1967. Top of Perforations 9893'.

STOLTZ & COMPANY - Bell "B" #1 in Unit E of Section 21-11-33. Completed in Lower Pennsylvanian on February 10, 1967. Top of Perforations 9961'.

STOLTZ & COMPANY-CLARK - Sinclair "3" State #1 in Unit G of Section 27-11-33. Completed in Lower Pennsylvanian on March 20, 1967. Top of Perforations 9850'.

STOLTZ & COMPANY-CLARK - Warren State #1 in Unit G of Section 28-11-33. Completed in Lower Pennsylvanian on March 6, 1967. Top of Perforations 9878'.

STOLTZ & COMPANY-CLARK - Sunray B State #1 in Unit K of Section 29-11-33. Completed in Lower Pennsylvanian on February 9, 1967. Top of Perforations 10,202'.

- ADDITION--STOLTZ & COMPANY-CLARK Champlin #1 in Unit I of Section 8-11-33. Completed in Lower Pennsylvanian on May 9, 1967. Top of Perforations 10,114.
- ADDITION--SOUTHERN NATURAL GAS COMPANY State C #2 in Unit E of Section 11-11-33. Completed in Lower Pennsylvanian on April 30, 1967. Top of Perforations 10,105'.
- ADDITION--GULF OIL CORPORATION Lea HP State #1 in Unit B of Section 15-11-33. Completed in Lower Pennsylvanian on May 24, 1967. Top of Perforations 10,072'.

CASE 3597: (f) EXTENSION OF AN EXISTING OIL POOL LOOL North Benson-Queen-Grayburg 30E TOWNSHIP RANGE NMPM 188 10 11 -16 14 18 15 -19 20 21-22-- 23 24 30 28 27 31 36 Purpose: One completed oil well capable of producing. Texaco Inc., N. M. CY State NCT-1 well No.4 in unit K of section 32-18-30. Completed in Queen, March 30, 1967, through perforations 2574' to 2943'. Pool boundary colored in red. Proposed extension colored in green. Section 32: NE/4 SW/4

CASE 3597: (g) EXTENSION OF AN EXISTING OIL POOL

COUNTY Eddy POOL Burtón (Yates)

TOWNSHIP	20s	RANGE	29E	NMPI	М	
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Purpose: One completed oil well capable of producing.

Yates Petroleum C	orp., William	son BC w	vell No.2	<u>in unit 1</u>	of
section 7-20-29.	The state of the s	Yates,	November	1, 1966,	through
perforations 1122	' to 1162'.				*

7 A			
Pool boundary colored in red.			
Proposed extension colored in green.			
Section 7: SE/4 NE/4 &			
E/2 SE/4		:	
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CASE 3597: (h) EXTENSION OF AN EXISTING OIL POOL
COUNTY LEA POOL SOUTH CORBIN-STRAWN

COUNTY	LEA	POOL S	OUTH CORBIN-S	TRAWN	
TOWNSHIP	18 South	RANGE	33 East	NMPM	
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19	20	21-	22	23	24
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31	32	33-	34	35	36
71					
PURPOSE: 0	ne completed	oil well	capable of pr	oducing.	
AZTEC OIL &	GAS COMPANY	- Federal	L MA #1 in Uni	t G of Section	27-18-33.
	. Chance on A		1047 man a C	Day Canada ana	10.0041

PURPOSE: One completed oil well capable of producing.

AZTEC OIL & GAS COMPANY ~ Federal MA #1 in Unit G of Section 27-18-33.

Completed in Strawn on April 15, 1967. Top of Perforations 13,334'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 27: N/2

TOWNSHIP	24 South	RANGE 37	East	NMPM	The second secon
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					Manufacture (1974)
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PHRPOSE: Tw				oducino in a ca	

PURPOSE: Two completed oil wells capable of prod	lucing	in a g	as poo	1
PAN AMERICAN PETROLEUM CORPORATION - South Mattix	Unit	#18 in	Unit	sof
Section 22-24-37. Completed in Lower Paddock on	July	9, 1965	тор	lof_
Perforations 5280'.				
PAN AMERICAN PETROLEUM CORPORATION - South Mattix	Unit	#19 in	Unit	C of
Section 22-24-37. Completed in Lower Paddock on	Novem	ber 18,	1965.	Top
of Perforations 5280'.		<del></del>		
Pool boundary colored in red.	<del></del>	· · · · · · · · · · · · · · · · · · ·	1	<u> </u>
Proposed pool extension colored in green. SECTIO	N 22:	All		
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COUNTY Eddy POOL Grayburg Jackson (Q-G-SA) RANGE TOWNSHIP NMPM 17s 4 6 5 8 10 -18 -17 20 21-22 23-24-29 28 27 26 25 -30 32 -- 33 35 - 31-- 34 -36 To take in acreage formerly included in the Square Purpose: Lake Pool. Pool boundary colored in red. Proposed extensions colored in green. Section 10: E/2 & E/2 W/2 Section 11: W/2 Section 14: N/2 Section 15: NE/4

CASE 3597: (k) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

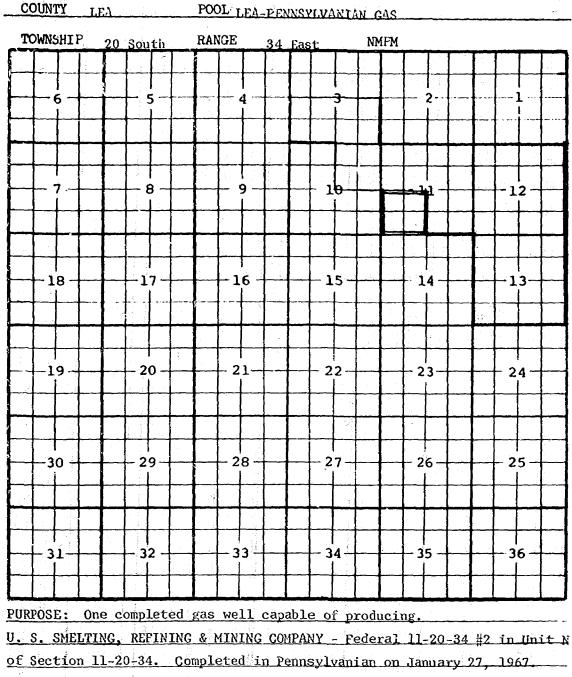
COUNTY	LEA	POOL INBE-PENNSYL	VANTAN	
TOWNSHIP	10 South	RANGE 33 Fast	NMPM	
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			igraph (k), Exhibit I. New Mexico CC State #2	
			l in Pennsylvanian on	
	48	Porforations 06731		

PURPOSE: As stated on preceding page, page	uragraph (k), Exhibit I.
ADDITION HUMBLE OIL & REFINING COMPANY -	New Mexico CC State #2 in Unit
N of Section 27-10-33. Complet	ed in Pennsylvanian on April 26
1967. Top of Perforations 9671	
Pool boundary colored in red.	
Proposed pool extension colored in green.	SECTION 27: SW/4
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CASE 3597: (k) EXTENSION OF AN EXISTING OIL POOL (Continued)

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roposed	pool	ext	ension	col	ored	in g	reer	. SEC	TION	8:	NW/	4		
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CASE 3597: (1) EXTENSION OF AN EXISTING GAS POOL
COUNTY LEA POOL LEA-PENNSYLVANIAN GAS



PURPOSE: One completed gas well capable of producing.

U. S. SMELTING, REFINING & MINING COMPANY - Federal 11-20-34 #2 in Unit of Section 11-20-34. Completed in Pennsylvanian on January 27, 1967.

Top of Perforations 12,902'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 11: SW/4

CASE 3597: (m) EXTENSION OF AN EXISTING OIL POOL COUNTY Eddy POOL Penasco Draw-San Andres-Yeso TOWNSHIP 195 25E RANGE NMPM 10 - 11 12 - 15 - 18 --16 14 13 -19 - 20 -21-22-23 -30 28 27 26 31 32 - 33 -- 34 -35 36 One completed oil well capable of producing. Yates Petroleum Corp., Thomas well No.1 in unit H of section 8-19-25. Completed in San Andres-Yeso, March 27, 1967, through perforations and open hole from 1320' to 2954'. Pool boundary colored in red. Proposed extension colored in green. Section 4: SW/4 Section 5: SE/4 Section 8: E/2 NE/4

CASE 3597: (n) EXTENSION OF AN EXISTING OIL POOL COUNTY ROOSEVELT POOL SOUTH PRAIRIE-SAN ANDRES

TOWNSHIP	8 South	RANGE	36 East	NMPM	
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31	32 -	33 -	34-	35	36
	32				
ONE STAR PR	ODUCING C	OMPANY - New		roducing. Pederal #1 in Un 1 13, 1967. To	
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ions 4884'.					
roposed poo	l extensi	on colored i	n green. SEC	TION 20: NE/4	
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CASE 3597: (6) EXTENSION OF AN EXISTING OIL POOL COUNTY LEA POOL VADA-PENNSYLVANIAN

TOWNSHIP	9 South	RANGE	34 East	NMPM	<u></u>
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				of Perforations	
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roposed poo	l extensior	ns colored	in green. S	ECTION 17: SW	<u>'4</u>
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CASE 3597: (p) EXTENSION OF AN EXISTING OIL POOL

COUNTY	ĻĘĄ	POOL	WANT	Z-ABO				
TOWNSHIP	21 South	RANGE	37	East	NMPM	•		
TOWNSHIP  18  19  19  30  automate description of the control of t	21 South 88 27 29	RANGE 99 - 16		10		1 4	1 <del>3</del>	
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