

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
- [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
- [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
- [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
- [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
- [EOR-Quallified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

plc-479

- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A] *Occidental Permian LTD (157994)*
- [A] Location - Spacing Unit - Simultaneous Dedication NSL NSP SD *South Mattix Unit Federal #2 30-025-1112*
- Check One Only for [B] or [C]
- [B] Commingling - Storage - Measurement *Fowler; Upper Yeso (26680)*
- DHC CTB PLC PC OLS OLM
- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
- WFX PMX SWD IPI EOR PPR
- [D] Other: Specify _____

- [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply
- [A] Working, Royalty or Overriding Royalty Interest Owners
- [B] Offset Operators, Leaseholders or Surface Owner
- [C] Application is One Which Requires Published Legal Notice
- [D] Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate and complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

<u>JUSTIN MORRIS</u> Print or Type Name	<u><i>Justin Morris</i></u> Signature	<u>REGULATORY ENGINEER</u> Title	<u>05-23-2017</u> Date
		<u>JUSTIN_MORRIS@OXY.COM</u> e-mail Address	

District I
1625 N. French Drive, Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St Francis Dr, Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107-B
Revised August 1, 2011

OIL CONSERVATION DIVISION
1220 S. St Francis Drive
Santa Fe, New Mexico 87505

Submit the original application to the Santa Fe office with one copy to the appropriate District Office.

APPLICATION FOR SURFACE COMMINGLING (DIVERSE OWNERSHIP)

OPERATOR NAME: Occidental Permian LTD (157984)
OPERATOR ADDRESS: PO BOX 4294, Houston, TX 77210
APPLICATION TYPE:

Pool Commingling Lease Commingling Pool and Lease Commingling Off-Lease Storage and Measurement (Only if not Surface Commingled)

LEASE TYPE: Fee State Federal

Is this an Amendment to existing Order? Yes No If "Yes", please include the appropriate Order No. _____
Have the Bureau of Land Management (BLM) and State Land office (SLO) been notified in writing of the proposed commingling
 Yes No

(A) POOL COMMINGLING
Please attach sheets with the following information

(1) Pool Names and Codes	Gravities / BTU of Non-Commingled Production	Calculated Gravities / BTU of Commingled Production	Calculated Value of Commingled Production	Volumes
Please see attached spreadsheet				

(2) Are any wells producing at top allowables? Yes No
(3) Has all interest owners been notified by certified mail of the proposed commingling? Yes No
(4) Measurement type: Metering Other (Specify) See attachment.
(5) Will commingling decrease the value of production? Yes No If "yes", describe why commingling should be approved

(B) LEASE COMMINGLING
Please attach sheets with the following information

(1) Pool Name and Code.
(2) Is all production from same source of supply? Yes No
(3) Has all interest owners been notified by certified mail of the proposed commingling? Yes No
(4) Measurement type: Metering Other (Specify)

(C) POOL and LEASE COMMINGLING
Please attach sheets with the following information

(1) Complete Sections A and E.

(D) OFF-LEASE STORAGE and MEASUREMENT
Please attached sheets with the following information

(1) Is all production from same source of supply? Yes No
(2) Include proof of notice to all interest owners.

(E) ADDITIONAL INFORMATION (for all application types)
Please attach sheets with the following information

(1) A schematic diagram of facility, including legal location.
(2) A plat with lease boundaries showing all well and facility locations. Include lease numbers if Federal or State lands are involved.
(3) Lease Names, Lease and Well Numbers, and API Numbers.

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

SIGNATURE: Justin Morris TITLE: REGULATORY ENGINEER DATE: 05/24/2017
TYPE OR PRINT NAME: JUSTIN MORRIS TELEPHONE NO.: (713) 366-5249
E-MAIL ADDRESS: JUSTIN_MORRIS@OXY.COM

Oil & Gas metering:

The central tank battery is located on the South Mattix Unit Federal lease (NMNM 0321613) located at 32.2171, -103.149 in section 15, T24S, R37E in Lea County, New Mexico.

Wells will be routed to one of two common three-phase production separators as shown in attached diagram. Oil production will flow to three common oil tanks after measurement and then be sent through a LACT meter (S/N *). Gas production will be sent to ETC Sales Meter (S/N 14203) located at 32.2170, -103.1499 or ETC Sales Meter (S/N 63238) located at 32.2168, -103.1494. Water production will be sent to Fowler SWD for disposal.

All wells will be tested at least quarterly for a minimum of 24 hours through three-phase test separator with meters for gas (S/N 2104796), oil (S/N 435289) and water (S/N 434677) or three-phase test separator with meters for gas (S/N 2101483), oil (S/N 363735) and water (S/N 576327) for allocation purposes.

All meters will be proven, as per API, NMOCD, and BLM specifications, when installed, once per month for the first 3 months (to establish a consistent repeatability factor), and then quarterly thereafter. The factor obtained will be used to allocate the production volumes.

This commingle will result in maximum ultimate economic recovery of oil and gas with minimum waste, as wells would otherwise have to be plugged.

Process and Flow Descriptions:

The flow of production is shown in detail on enclosed facility diagram and map which shows the lease boundaries, Communitization agreement boundaries, location of wells, facility, and gas sales meter. The commingling of this production is the most effective means of producing the reserves.

Occidental Permian LTD understands the requested approval will not constitute the granting of any right-of-way or construction rights not granted by the lease instrument. These applications will be submitted separately for approval per NMOCD and BLM regulations.

The BLM and NMOCD will be notified of any future changes in the facilities.

Pursuant to Statewide rule 19.15.12.10(C)(4)(g) OXY USA INC requests the option to include additional pools or leases within the defined parameters set forth in the order for future additions.

The working interest, royalty interest and overriding royalty interest owners have been notified of this proposal by certified mail (see attached).

APPLICATION FOR POOL AND LEASE COMMINGLE AT THE SOUTH MATTIX UNIT FEDERAL CTB

Occidental Permian LTD is requesting approval for Pool & Lease Commingle for all wells listed below, which will nullify previously approved commingle permit PC-796.

Pool: Fowler; Upper Yeso (26680); Lease # NMLC 032450A (5% Royalty)

WELL NAME	API No.	LOCATION	BOPD	GRAVITY	MSCFD	BTU
SOUTH MATTIX UNIT FEDERAL #2 ✓	30-025-11112	N-15-24S-37E	0.8	36.9	3.9	1141
SOUTH MATTIX UNIT FEDERAL #3 ✓	30-025-11196	B-22-24S-37E	0	36.9	3.6	1141
SOUTH MATTIX UNIT FEDERAL #6 ✓	30-025-11114	L-15-24S-37E	13.5	36.9	77.1	1141
SOUTH MATTIX UNIT FEDERAL #12 ✓	30-025-11203	P-22-24S-37E	2.4	36.9	0	1141
SOUTH MATTIX UNIT FEDERAL #13 ✓	30-025-11204	I-22-24S-37E	0	36.9	0	1141

Pool: Fowler; Upper Yeso (26680); Lease # NMLC 032450B (Schedule D)

WELL NAME	API No.	LOCATION	BOPD	GRAVITY	MSCFD	BTU
SOUTH MATTIX UNIT FEDERAL #20 ✓	30-025-21678	E-15-24S-37E	2	36.9	2.8	1141
SOUTH MATTIX UNIT FEDERAL #22 ✓	30-025-21922	C-15-24S-37E	2.6	36.9	39.2	1141
SOUTH MATTIX UNIT FEDERAL #27 ✓	30-025-25612	F-15-24S-37E	0.7	36.9	18.3	1141
SOUTH MATTIX UNIT FEDERAL #40 ✓	30-025-31475	K-15-24S-37E	0.8	36.9	63	1141

Pool: Fowler; Upper Yeso (26680); Lease # NMNM 0321613 (Schedule D)

WELL NAME	API No.	LOCATION	BOPD	GRAVITY	MSCFD	BTU
SOUTH MATTIX UNIT FEDERAL #9 ✓	30-025-11117	B-15-24S-37E	0	36.9	1.2	1141
SOUTH MATTIX UNIT FEDERAL #10 ✓	30-025-11118	H-15-24S-37E	5.5	36.9	64	1141
SOUTH MATTIX UNIT FEDERAL #30 ✓	30-025-25747	P-15-24S-37E	2	36.9	0	1141
SOUTH MATTIX UNIT FEDERAL #33 ✓	30-025-26095	G-15-24S-37E	2.2	36.9	5.7	1141

Pool: Fowler; Drinkard (26220); Lease # NMNM 0321613 (Schedule D)

WELL NAME	API No.	LOCATION	BOPD	GRAVITY	MSCFD	BTU
SOUTH MATTIX UNIT FEDERAL #24 ✓	30-025-22488	O-15-24S-37E	0	40.7	0.3	1291
SOUTH MATTIX UNIT FEDERAL #37 ✓	30-025-26355	I-15-24S-37E	0	40.7	1.7	1291
SOUTH MATTIX UNIT FEDERAL #39 ✓	30-025-26598	G-15-24S-37E	0.7	40.7	0	1291
SOUTH MATTIX UNIT FEDERAL #45 ✓	30-025-35292	J-15-24S-37E	1.7	40.7	128.2	1291

We show Taylor, Fusseman

Pool: Fowler; Drinkard (26220); Lease # NMLC 032450A (5% Royalty)

WELL NAME	API No.	LOCATION	BOPD	GRAVITY	MSCFD	BTU
SOUTH MATTIX A FEDERAL #5 ✓	30-025-11201	H-22-24S-37E	0.7	40.7	0	1291

Pool: Fowler; Drinkard (26220); Lease # NMLC 032450B (Schedule D)

WELL NAME	API No.	LOCATION	BOPD	GRAVITY	MSCFD	BTU
SOUTH MATTIX UNIT FEDERAL #14 ✓	30-025-11110	K-15-24S-37E	1.6	40.7	0	1291

Fowler Tubb (gas)

Pool: Fowler; Drinkard (26220); Lease # NMLC 060579 (5% Royalty)

WELL NAME	API No.	LOCATION	BOPD	GRAVITY	MSCFD	BTU
SOUTH MATTIX UNIT FEDERAL #15 ✓	30-025-20513	A-22-24S-37E	2.3	40.7	0	1291

Fowler, Upper Silurian (gas)

Pool: Fowler; Ellenburger (26410); Lease # NMLC 0321613 (Schedule D)

WELL NAME	API No.	LOCATION	BOPD	GRAVITY	MSCFD	BTU
SOUTH MATTIX UNIT FEDERAL #1 ✓	30-025-11111	J-15-24S-37E	7.6	40.7	49	1291
SOUTH MATTIX UNIT FEDERAL #17 ✓	30-025-20298	G-15-24S-37E	36	40.7	38.5	1291

Pool: Fowler; Ellenburger (26410); Lease # NMLC 032450B (Schedule D)

WELL NAME	API No.	LOCATION	BOPD	GRAVITY	MSCFD	BTU
SOUTH MATTIX UNIT FEDERAL #25 ✓	30-025-20298	G-15-24S-37E	3.7	40.7	7.4	1291

22025

A map is enclosed showing the Federal leases and well locations.

South Mattix Unit CTB Production Data

SMUF #2 30-025-11112

	Oil	Gas	Water
Oct	82	410	456
Nov	30	148	156
Dec	32	120	97
Jan	7	20	21
Feb	0	0	0
Mar	0	0	0
Daily Ave	0.8	3.9	4.1

SMUF #3 30-025-11196

	Oil	Gas	Water
Oct	0	0	0
Nov	0	0	0
Dec	0	0	0
Jan	0	0	0
Feb	0	371	0
Mar	0	283	0
Daily Ave	0.0	3.6	0.0

SMUF #6 30-025-11114

	Oil	Gas	Water
Oct	590	3066	7712
Nov	209	1400	3418
Dec	304	2229	4958
Jan	398	2214	6036
Feb	405	2191	5412
Mar	523	2776	7502
Daily Ave	13.5	77.1	194.7

SMUF #12 30-025-11203

	Oil	Gas	Water
Oct	99	0	93
Nov	45	0	54
Dec	51	0	62
Jan	69	8	100
Feb	80	0	84
Mar	93	0	115
Daily Ave	2.4	0.0	2.8

SMUF #13 30-025-11204

	Oil	Gas	Water
Oct	0	0	0
Nov	0	0	0
Dec	0	0	0
Jan	2	4	0
Feb	0	0	0
Mar	0	0	0
Daily Ave	0.0	0.0	0.0

SMUF #20 30-025-21678

	Oil	Gas	Water
Oct	105	195	91
Nov	0	0	0
Dec	0	0	0
Jan	12	28	13
Feb	41	146	67
Mar	195	134	90
Daily Ave	2.0	2.8	1.5

SMUF #22 30-025-21922

	Oil	Gas	Water
Oct	139	1626	68
Nov	60	935	27
Dec	87	1441	27
Jan	79	1133	31
Feb	53	901	64
Mar	58	1017	124
Daily Ave	2.6	39.2	1.9

SMUF #27 30-025-25612

	Oil	Gas	Water
Oct	99	2036	31
Nov	5	137	2
Dec	0	0	0
Jan	0	0	0
Feb	27	708	9
Mar	0	414	0
Daily Ave	0.7	18.3	0.2

SMUF #40 30-025-31475

	Oil	Gas	Water
Oct	33	2830	27
Nov	15	1606	14
Dec	22	2471	13
Jan	20	1777	16
Feb	20	1262	13
Mar	29	1388	16
Daily Ave	0.8	63.0	0.6

SMUF #9 30-025-11117

	Oil	Gas	Water
Oct	0	39	0
Nov	0	26	0
Dec	0	41	0
Jan	0	38	0
Feb	0	36	0
Mar	0	39	0
Daily Ave	0.0	1.2	0.0

SMUF #10 30-025-11118

	Oil	Gas	Water
Oct	206	2120	31
Nov	90	1311	13
Dec	122	2108	12
Jan	179	2048	16
Feb	186	1874	13
Mar	203	2062	16
Daily Ave	5.5	64.0	0.6

SMUF #30 30-025-25747

	Oil	Gas	Water
Oct	100	0	93
Nov	45	0	54
Dec	50	0	61
Jan	48	6	56
Feb	52	0	53
Mar	60	0	62
Daily Ave	2.0	0.0	2.1

SMUF #33 30-025-26095

	Oil	Gas	Water
Oct	74	199	179
Nov	38	124	98
Dec	51	162	104
Jan	69	161	114
Feb	80	180	106
Mar	87	198	124
Daily Ave	2.2	5.7	4.0

SMUF #24 30-025-22488

	Oil	Gas	Water
Oct	0	0	0
Nov	0	0	0
Dec	0	0	0
Jan	0	0	0
Feb	2	29	8
Mar	0	22	0
Daily Ave	0.0	0.3	0.0

SMUF #37 30-025-26355

	Oil	Gas	Water
Oct	0	51	0
Nov	0	38	0
Dec	0	69	0
Jan	0	58	0
Feb	0	43	0
Mar	0	50	0
Daily Ave	0.0	1.7	0.0

SMUF #39 30-025-26598

	Oil	Gas	Water
Oct	27	0	4
Nov	17	0	0
Dec	15	0	0
Jan	26	0	742
Feb	23	0	0
Mar	23	0	0
Daily Ave	0.7	0.0	4.1

SMUF #45 30-025-35292

	Oil	Gas	Water
Oct	80	4057	60
Nov	39	3003	36
Dec	30	3472	40
Jan	54	4686	52
Feb	45	3658	53
Mar	66	4208	60
Daily Ave	1.7	128.2	1.7

SM A Fed #5 30-025-11201

	Oil	Gas	Water
Oct	27	0	180
Nov	16	0	108
Dec	16	0	129
Jan	26	0	156
Feb	23	0	160
Mar	24	0	186
Daily Ave	0.7	0.0	5.1

SMUF #14 30-025-11110

	Oil	Gas	Water
Oct	81	0	65
Nov	39	0	36
Dec	31	0	43
Jan	52	0	52
Feb	45	0	51
Mar	48	0	62
Daily Ave	1.6	0.0	1.7

SMUF #15 30-025-20513

	Oil	Gas	Water
Oct	99	0	140
Nov	50	0	72
Dec	44	0	80
Jan	78	0	82
Feb	70	0	80
Mar	70	0	90
Daily Ave	2.3	0.0	3.0

SMUF #1 30-025-11111

	Oil	Gas	Water
Oct	314	1653	3350
Nov	157	1063	1768
Dec	160	1468	2298
Jan	218	1323	2124
Feb	258	1541	2658
Mar	257	1769	3003
Daily Ave	7.6	49.0	84.5

SMUF #17 30-025-20298

	Oil	Gas	Water
Oct	1230	1403	19712
Nov	767	898	11270
Dec	913	1281	14650
Jan	1334	1273	16532
Feb	1044	962	13344
Mar	1195	1117	13509
Daily Ave	36.0	38.5	494.5

SMUF #25 30-025-20298

	Oil	Gas	Water
Oct	152	246	0
Nov	83	189	0
Dec	73	223	0
Jan	131	243	0
Feb	117	203	0
Mar	117	223	0
Daily Ave	3.7	7.4	0.0

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NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT
 SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

FORM C-128
 Revised 5/1/57

OCT 9 8 19 AM '63

SECTION A

Operator Pan American Petroleum Corporation	Lease South	Well No. 1
Unit Letter J	Section 35	Township 21-S
	Range 37-W	County Lea

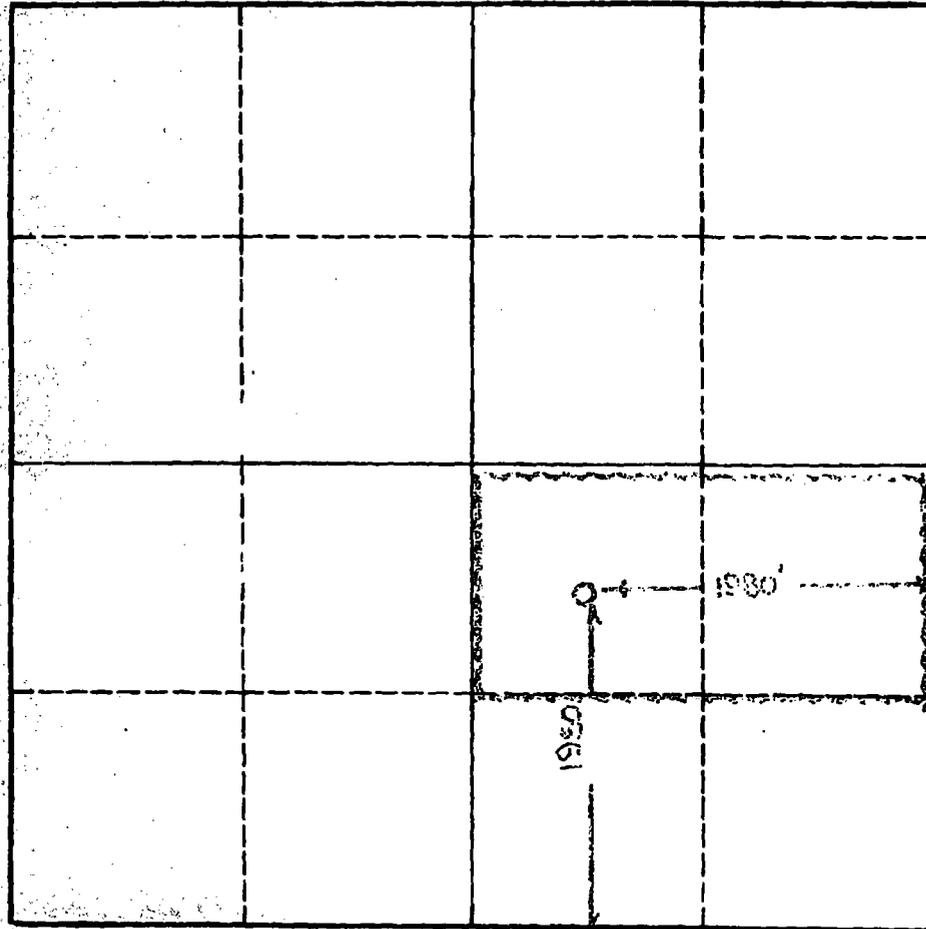
Actual Footage Location of Well:
1000 feet from the **South** line and **1000** feet from the **East** line

Ground Level Elev. 2751	Producing Formation 33	Pool South	Dedicated Acreage: 50 Acres
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1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES NO ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES NO . If answer is "yes," Type of Consolidation _____
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description

SECTION B



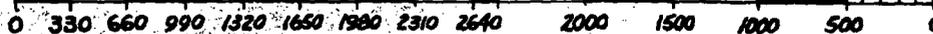
CERTIFICATION

I hereby certify that the information in SECTION A above is true and complete to the best of my knowledge and belief.

Name	Original Signed by V. E. STALEY
Position	
Company	
Date	10-7-63

I hereby certify that the well location shown on the plat in SECTION B was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed	
Registered Professional Engineer and/or Land Surveyor	
Certificate No.	



District I
 PO Box 1980, Hobbs, NM 88241-1980
 District II
 811 S. 1st Street, Artesia, NM 88210-2834
 District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV
 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
 2040 South Pacheco
 Santa Fe, NM 87505

Form C-102
 Revised October 18, 1994
 Instructions on back
 Submit to Appropriate District Office
 State Lease - 4 Copies
 Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-11112		² Pool Code 26220		³ Pool Name Fowler; Drinkard	
⁴ Property Code 19582		⁵ Property Name South Mattix Unit Federal			⁶ Well Number 2
⁷ OGRID No. 157984		⁸ Operator Name Altura Energy LTD			⁹ Elevation 3726' DF

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
N	15	24-S	37-E		660	South	1980	West	Lea

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County

¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
 OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>	
	<u>Mark Stephens</u> Signature <u>Mark Stephens</u> Printed Name <u>Business Analyst (SG)</u> Title <u>03/24/2000</u> Date	
	¹⁸ SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>	
Date of Survey Signature and Seal of Professional Surveyer:		
Certificate Number		

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NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT
 SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

FORM C-128
 Revised 5/1/57

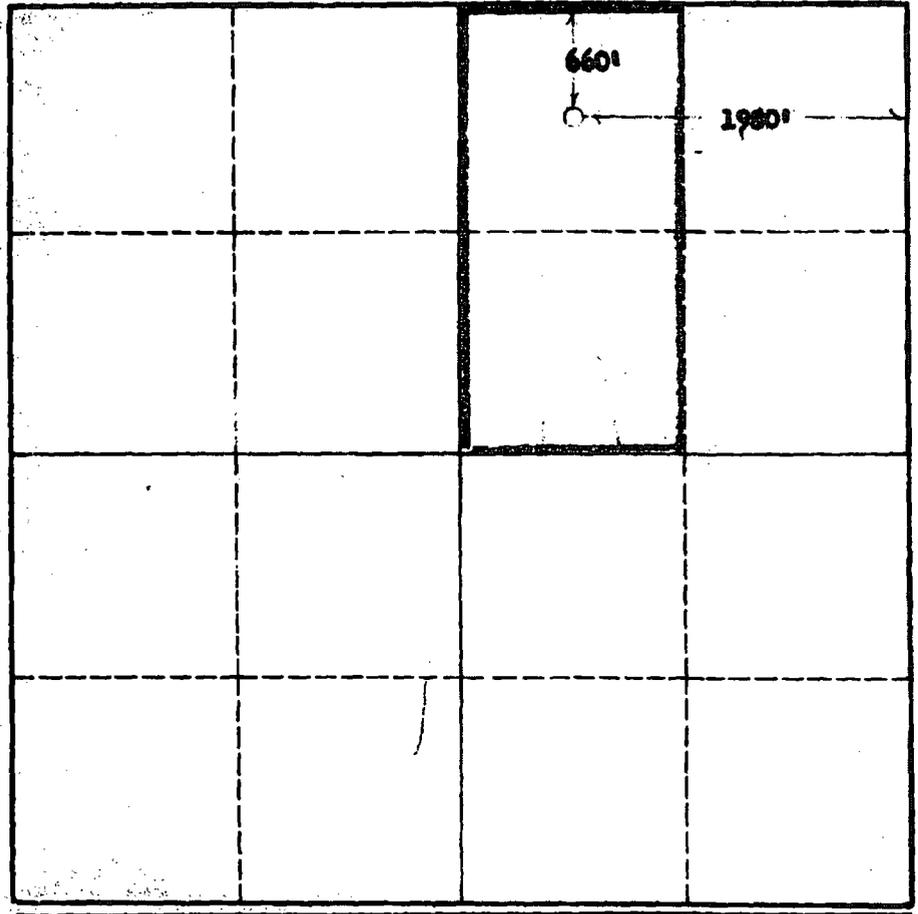
SECTION A

Operator Pan American Petroleum Corporation		Lessee South Mattix Unit		Well No. 3
Unit Letter B	Section 22	Township 24-S	Range 37-E	County Lea
Actual Footage Location of Well: 660 feet from the North line and 1980 feet from the East line				
Ground Level Elev. 3244' RDB	Producing Formation Blinberry	Pool Fowler Blinberry	Dedicated Acreage: 80 Acres	

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES NO . ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (63-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES NO . If answer is "yes," Type of Consolidation _____
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner:	Land Description

SECTION B



CERTIFICATION

I hereby certify that the information in SECTION A above is true and complete to the best of my knowledge and belief.

Name	Original Signed By V. E. STALEY
Position	Area Superintendent
Company	Pan American Petroleum Corp.
Date	August 9, 1963

I hereby certify that the well location shown on the plat in SECTION B was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true, and correct to the best of my knowledge and belief.

Date Surveyed	
Registered Professional Engineer and/or Land Surveyor	
Certificate No.	



District I
 PO Box 1980, Hobbs, NM 88241-1980
 District II
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 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
 2040 South Pacheco
 Santa Fe, NM 87505

Form C-102
 Revised October 18, 1994
 Instructions on back
 Submit to Appropriate District Office
 State Lease - 4 Copies
 Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-11201		² Pool Code 26640		³ Pool Name Fowler; Upper Silurian	
⁴ Property Code 19582		⁵ Property Name South Mattix Unit Federal			⁶ Well Number 5
⁷ OGRID No. 157984		⁸ Operator Name Occidental Permian Limited Partnership			⁹ Elevation 3247' DF

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
E	22	24-S	37-E		1980	North	660	East	Lea

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County

¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON--STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>
	Signature <u>Mark Stephens</u>
	Printed Name <u>Mark Stephens</u>
	Title <u>Business Analyst (SG)</u>
	Date <u>05/05/00</u>
	¹⁸ SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>
	Date of Survey
	Signature and Seal of Professional Surveyor:
	Certificate Number

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

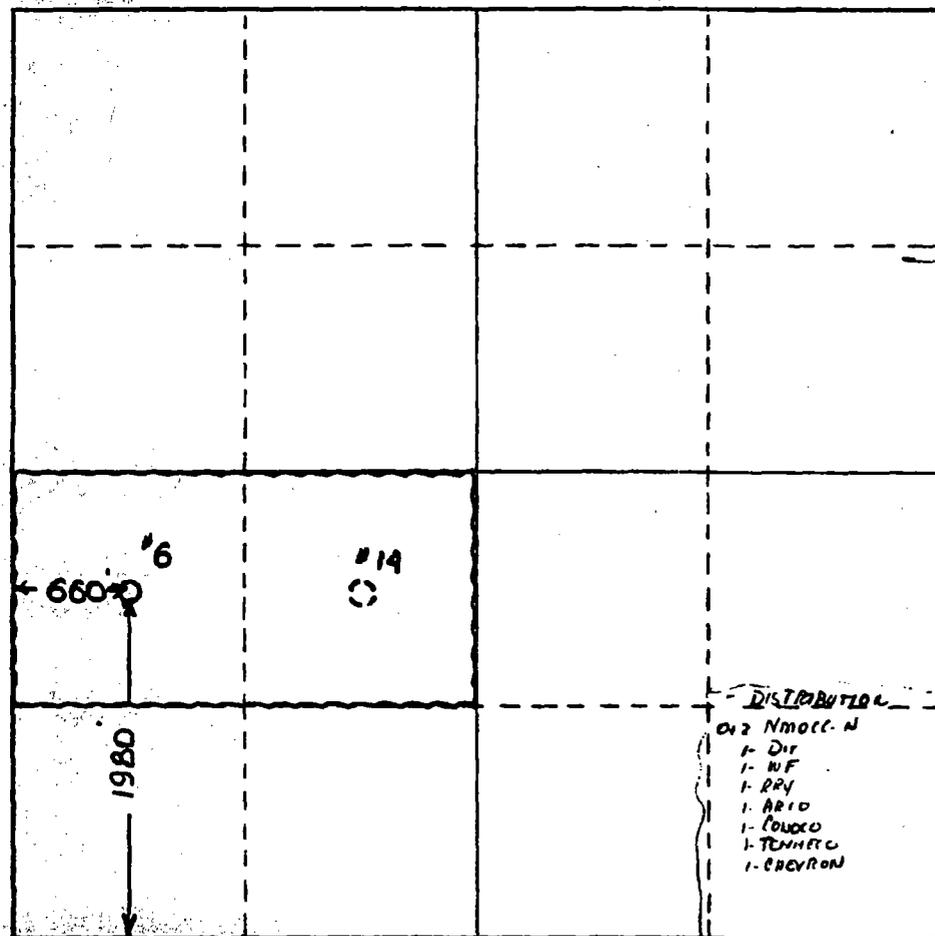
Operator Amoco Production Company		Lease SOUTH MATTIX UNIT FED			Well No. 6
Section L	Range 15	Township 24-S	Range 37-E	County LEA	
Date of Well 1980		feet from the SOUTH line and 660 feet from the WEST line		Dedicated Acreage: 80 Acres	
Producing Formation UPPER YESO		Pool FOULDER UPPER YESO			

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation UNITIZATION

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name

Position
AREA SUPERINTENDENT

Company
Amoco Production Company

Date
JAN 2 1973

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Certificate No.



NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

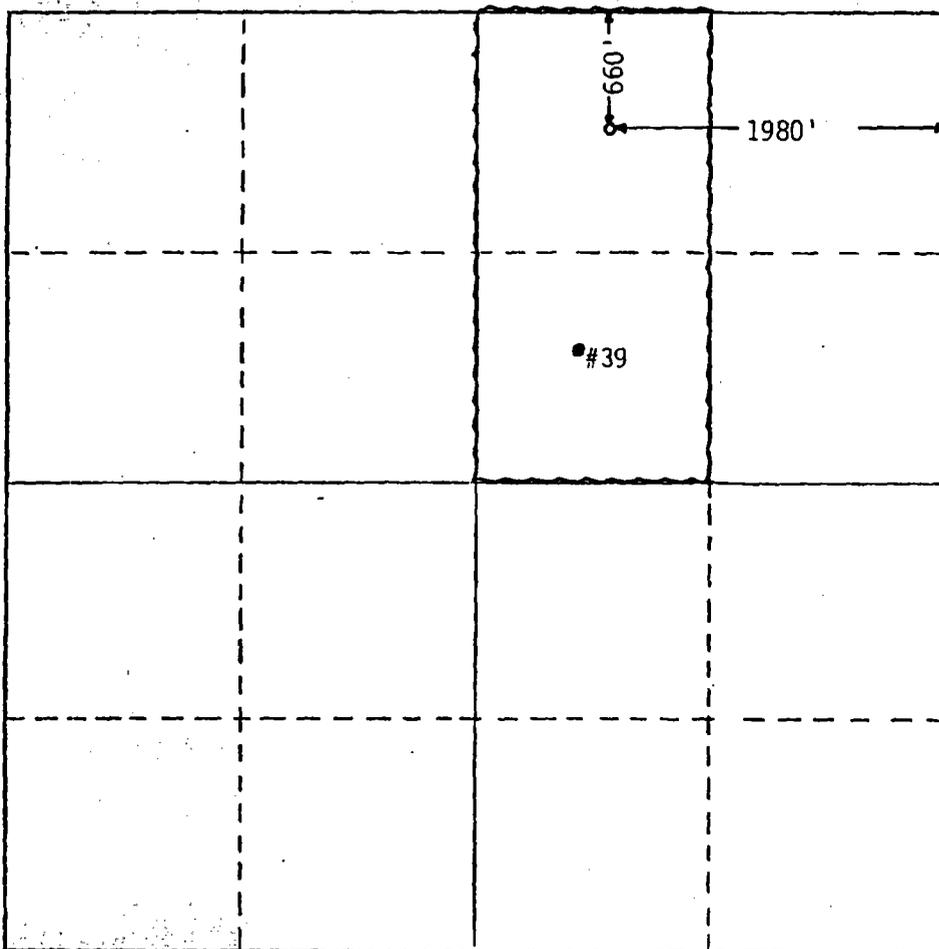
Operator Amoco Production Company		Lease South Mattix Unit <i>Federal</i>			Well No. 9
Unit Letter B	Section 15	Township 24-S	Range 37-E	County Lea	
Actual Footage Location of Well:					
660 feet from the North line and		1980 feet from the East line			
Ground Level Elev. 3267 RDB	Producing Formation Upper Yeso	Pool Fowler Upper Yeso	Dedicated Acreage 80 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name
Bob Davis

Position
Admin. Analyst

Company
Amoco Production Company

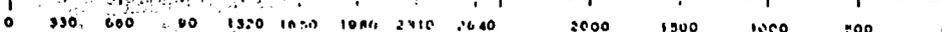
Date
7-2-80

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Certificate No.



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	GAS
PROBATION OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-128
Revised 5/1/57

WELL LOCATION AND ACREAGE DEDICATION PLAT

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

SECTION A

Operator **Pan American Petroleum Corporation** Lease **South Mattix Unit** Well No. **10**

Unit Letter **H** Section **15** Township **21-S** Range **37-E** County **Lea**

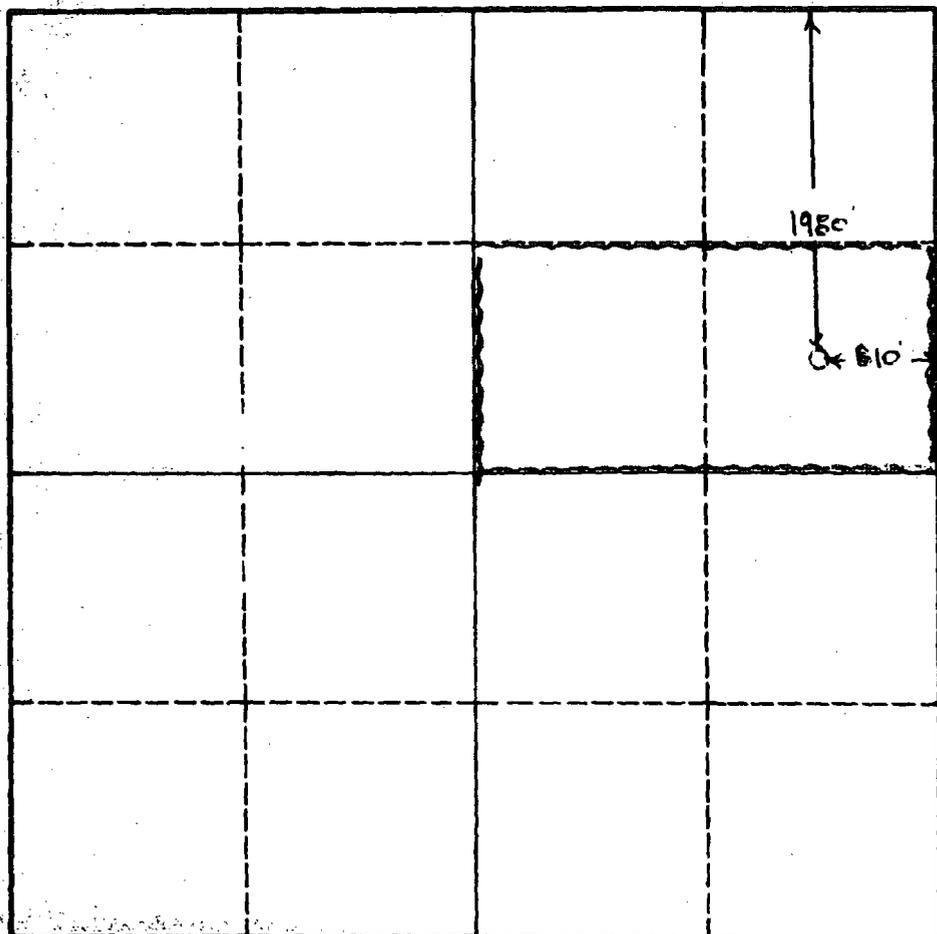
Actual Footage Location of Well: **1900** feet from the **North** line and **610** feet from the **East** line

Ground Level Elev. **3040' RIB** Producing Formation **Blinberry** Pool **Forler Blinberry** Dedicated Acreage: **80** Acres

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES NO ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES NO . If answer is "yes," Type of Consolidation _____
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description

SECTION B



CERTIFICATION

I hereby certify that the information in SECTION A above is true and complete to the best of my knowledge and belief.

Original Signed By
Name **V. E. STALEY**
Position **Area Superintendent**
Company **Pan American Petroleum Corp.**
Date **October 30, 1966**

I hereby certify that the well location shown on the plat in SECTION B was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed _____
Registered Professional Engineer and/or Land Surveyor _____
Certificate No. _____



NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

IND. OFFICE O. C. C.

All distances must be from the outer boundaries of the Section.

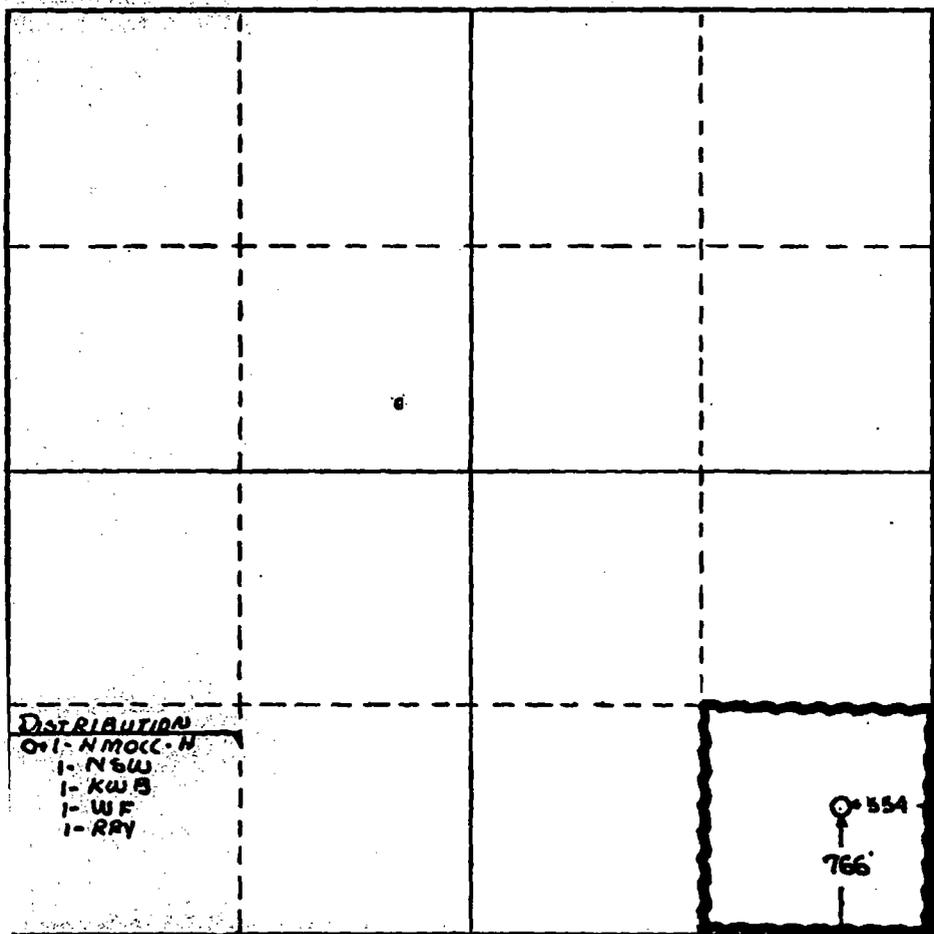
Operator PAN AMERICAN PETRO CORP		Lease SOUTH MATTHEW UNGST		Well No. 12
Unit Letter P	Section 22	Township 24-S	Range 37-E	County LEA
Actual Well Location of Well: 766 feet from the SOUTH line and 554 feet from the EAST line				
Ground Level Elev. 3245 DF	Producing Formation BLINEBRY	Pool FOWLER BLINEBRY	Dedicated Acreage 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name _____

Position
AREA SUPERINTENDENT

Company
PAN AMERICAN PETRO. CORP.

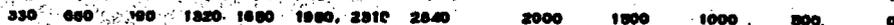
Date
6-23-66

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed _____

Registered Professional Engineer and/or Land Surveyor _____

Certificate No. _____



NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Fbrn C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

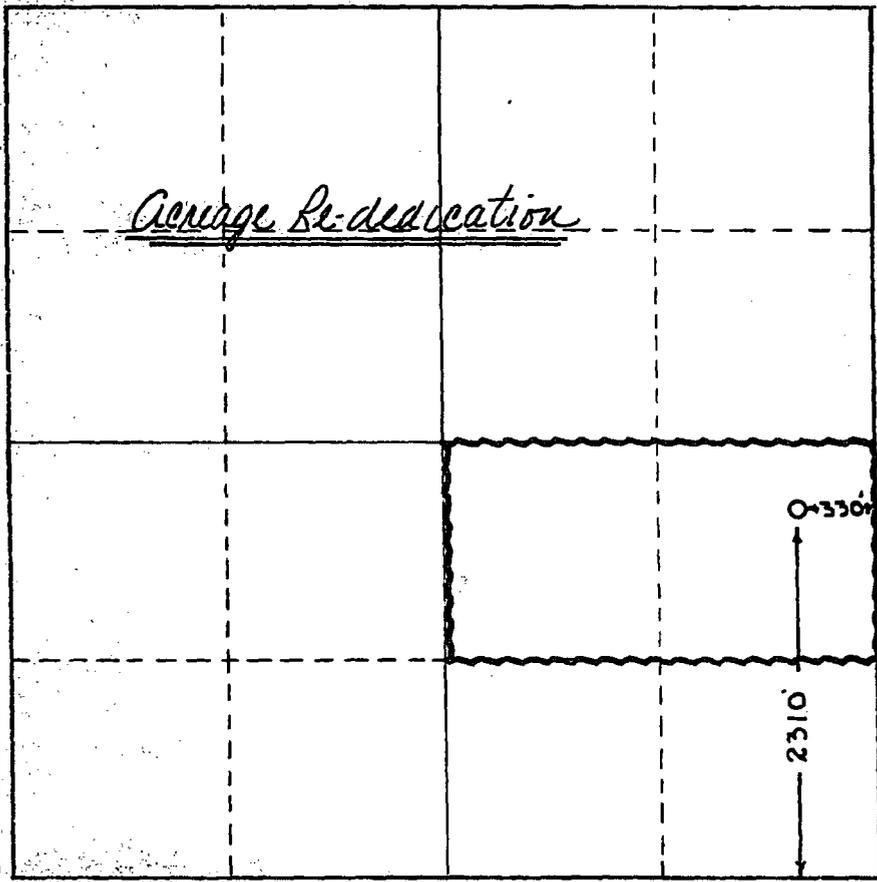
Operator Pan American Petroleum		Lease South Mattie Unit		Well No. 13
Unit Letter I	Section 22	Township 24-S	Range 37-E	County Lea
Actual Footage Location of Well: 2310 feet from the South line and 330 feet from the East line				
Ground Level Elev. 3248 RDS	Producing Formation Polinebr	Pool Lower Polinebr	Dedicated Acreage: 80 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name Original Signed By:
W. E. STALEY

Position
Area Supt

Company
Pan American Petro. Corp.

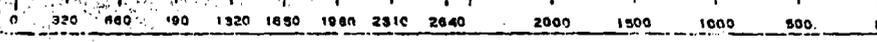
Date
March 25, 1965

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Certificate No.



NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

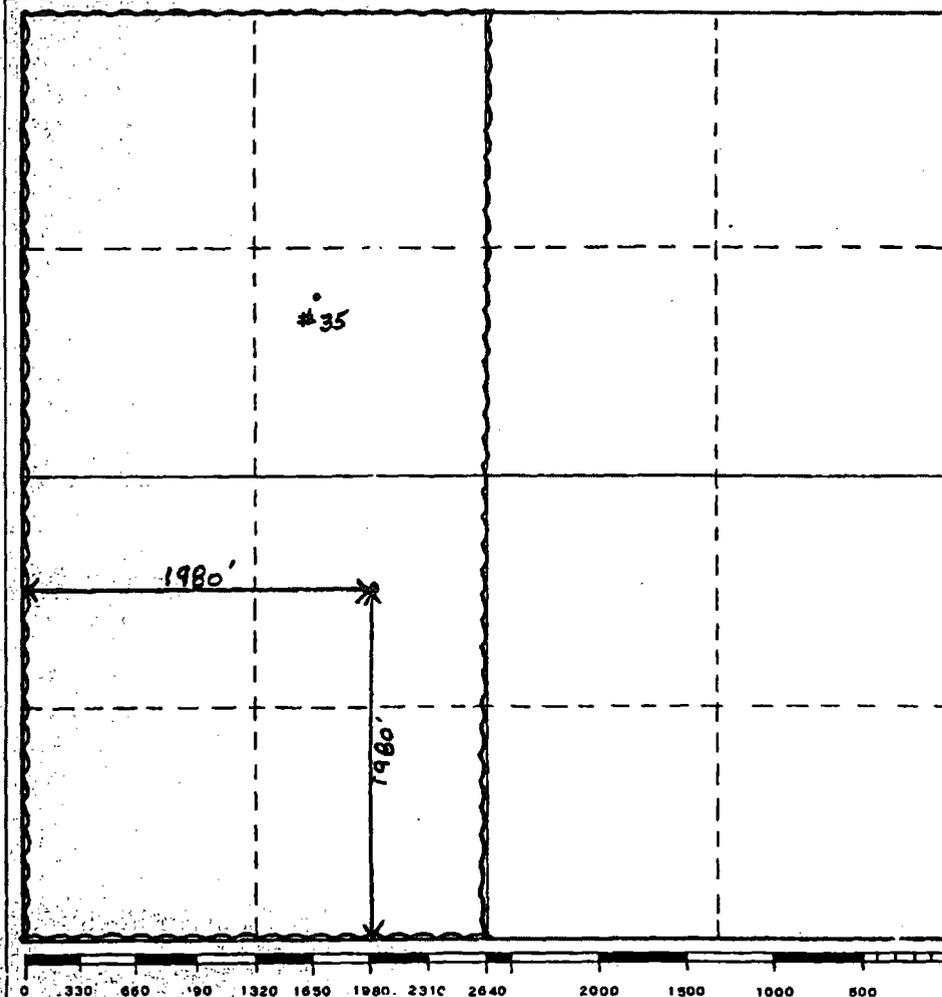
Operator Amoco Production Company		Lease South Mattix		Well No. 14
Unit Letter K	Section 15	Township 24 South	Range 37 East	County Lea
Actual Footage Location of Well: 1980 feet from the South line and 1980 feet from the West line				
Ground Level Elev. 3367 RDB	Producing Formation Paddock	Pool Fowler Paddock	Dedicated Acreage: 320 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION	
<i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>	
Name	Shay Mitchell
Position	Assistant Admin. Analyst
Company	Amoco Production Company
Date	2/25/80
<i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</i>	
Date Surveyed	
Registered Professional Engineer and/or Land Surveyor	
Certificate No.	

NEW MEXICO OIL CONSERVATION COMMISSION
 WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
 Superseded C-128
 Effective 1-1-65

All distances must be from the outer boundaries of the Section

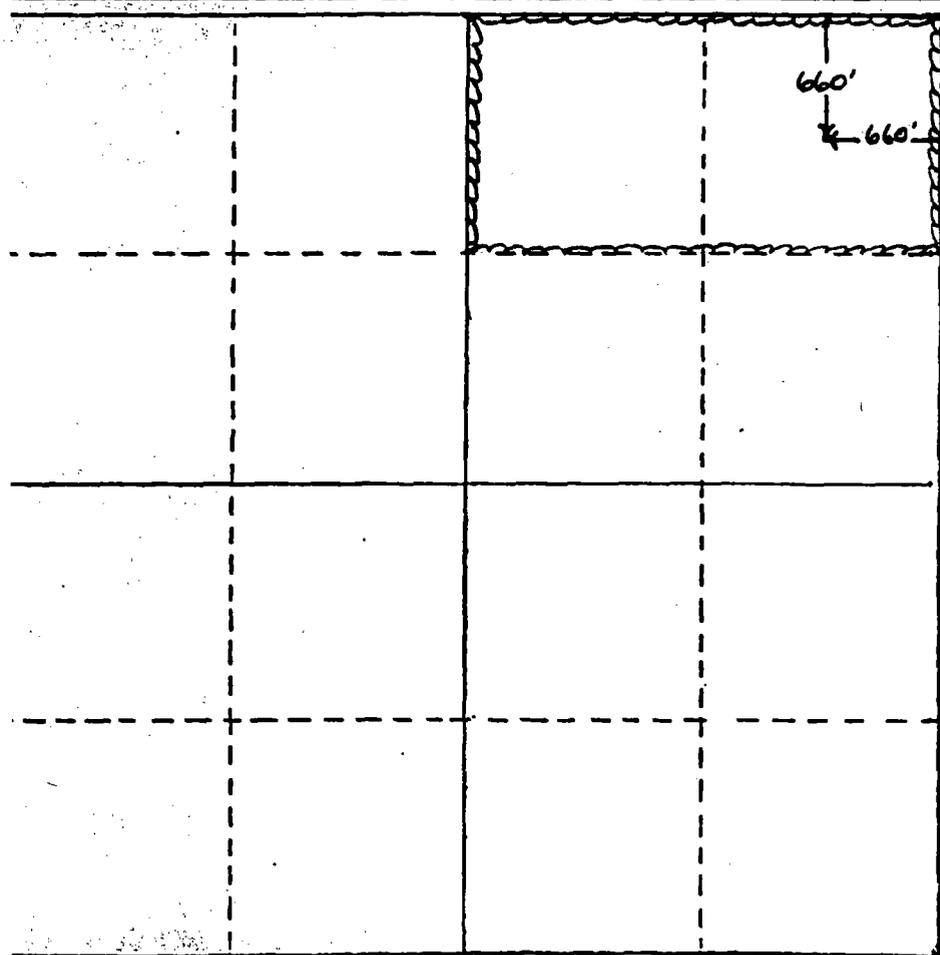
Operator Amoco Production Company		Lease South Mattix Unit			Well No. 15
Well Letter A	Section 22	Township 24-S	Range 37-E	County Lea	
Well Location of Well: 660 feet from the North line and 660 feet from the East line.					
Ground Level Elev. 3243	Producing Formation Upper Silurian		Pool Fowler Upper Silurian Gas	Dedicated Acreage 80	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

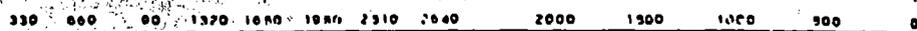
Yes No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION
<i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>
Name _____
Position Asst. Admin. Analyst
Company Amoco Productio Company
Date 3/2/90
<i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</i>
Date Surveyed _____
Registered Professional Engineer and/or Land Surveyor _____
Certificate No. _____



NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

FORM C-128
 Revised 5/1/57

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

SECTION A

Operator **PAN AMERICAN PETROLEUM CORPORATION** Lease **SOUTH MAYTIX UNIT** Well No. **17**

Unit Letter **G** Section **15** Township **24 SOUTH** Range **37 EAST** County **LRA**

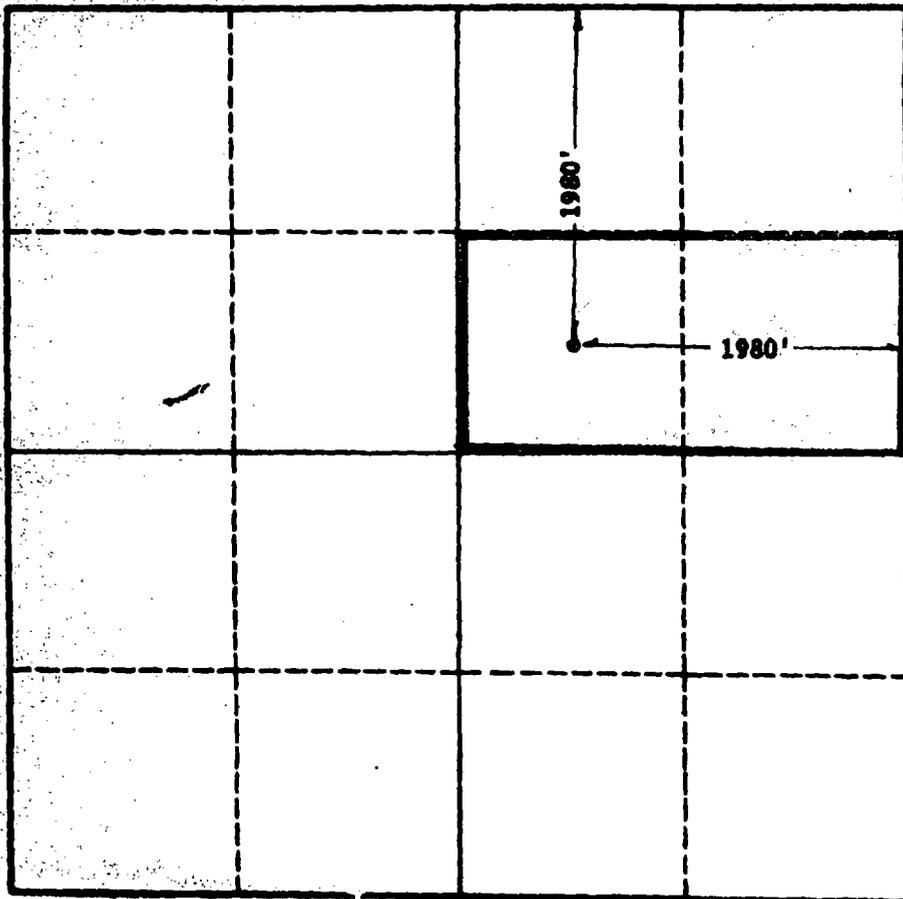
Actual Postage Location of Well: **1980** feet from the **NORTH** line and **1980** feet from the **EAST** line

Ground Level Elev. **525** Producing Formation **Alamosa - El Estero** Pool **Factor, El Estero - El Estero** Dedicated Acreage: **60** Acres

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES NO ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (63-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES NO . If answer is "yes," Type of Consolidation _____
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description

SECTION B



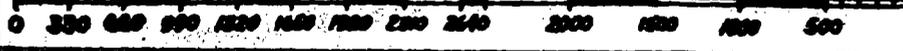
CERTIFICATION

I hereby certify that the information in SECTION A above is true and complete to the best of my knowledge and belief.

Name Original Signed by: **V. E. STALEY**
 Position **Superintendent**
 Company **Pan American Petroleum Corp.**
 Date **July 23, 1963**

I hereby certify that the well location shown on the plat in SECTION B was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date **7-18-63**
 Registered Professional Engineer and Land Surveyor, **JOHN W. WEST**
 Certified **JOHN W. WEST**
 N. M. - P. E. & L. S. NO. 676



NEW MEXICO OIL CONSERVATION **HOBBS OFFICE O. O. G.**
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
 Supervised C-128
 Effective 12-65

All distances must be from the outer boundary of the Section

Mar 1 11 27 AM '66

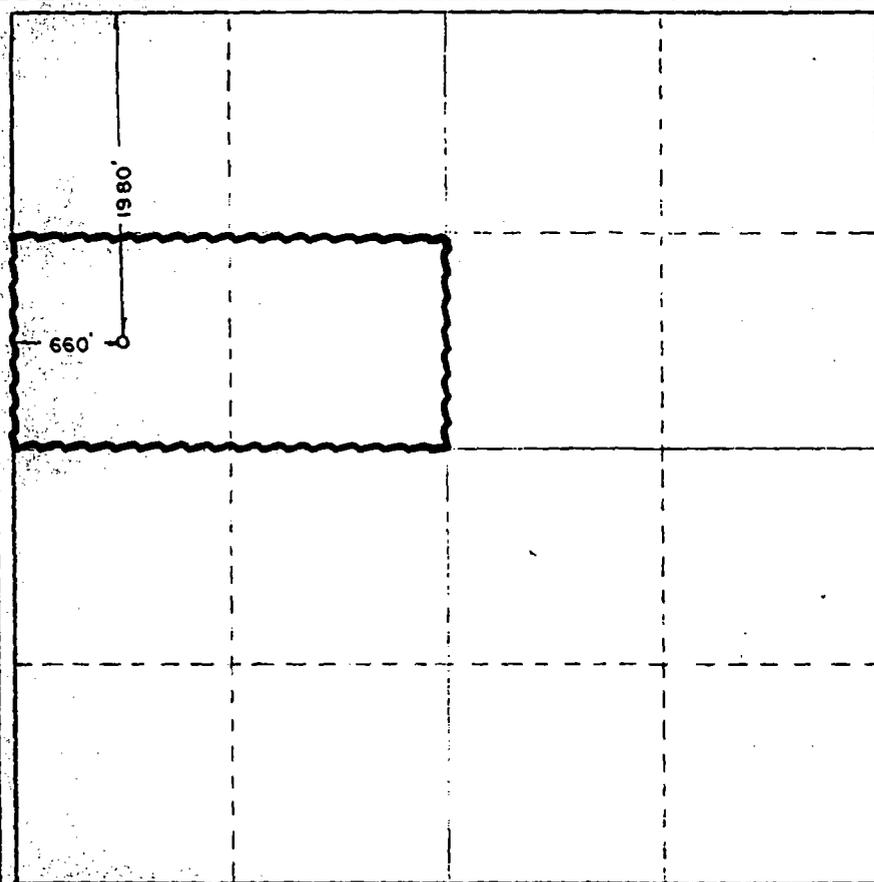
Operator PAN AMERICAN PETROLEUM CORP.		Lease SOUTH MATTIX UNIT		Well 20
Unit Letter E	Section 15	Township 24 SOUTH	Range 37 EAST	County LEA
Actual Footage Location of Well:				
660	feet from the WEST	line and	1980	feet from the NORTH
Ground Level Elev.	Producing Formation BLINEBRY	Pool FOWLER BLINEBRY	Estimated Acreage 80	Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation **UNITIZATION**

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

AREA SUPERINTENDENT

PAN AMERICAN PETROLEUM CO. INC.

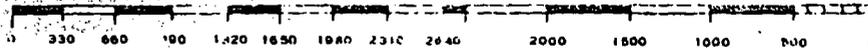
Date **2-17-66**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed **FEB. 15, 1966**

Registered Professional Land Surveyor

John W. West



NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

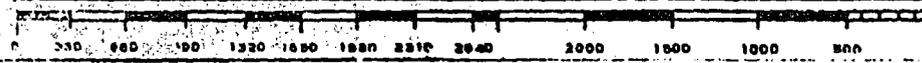
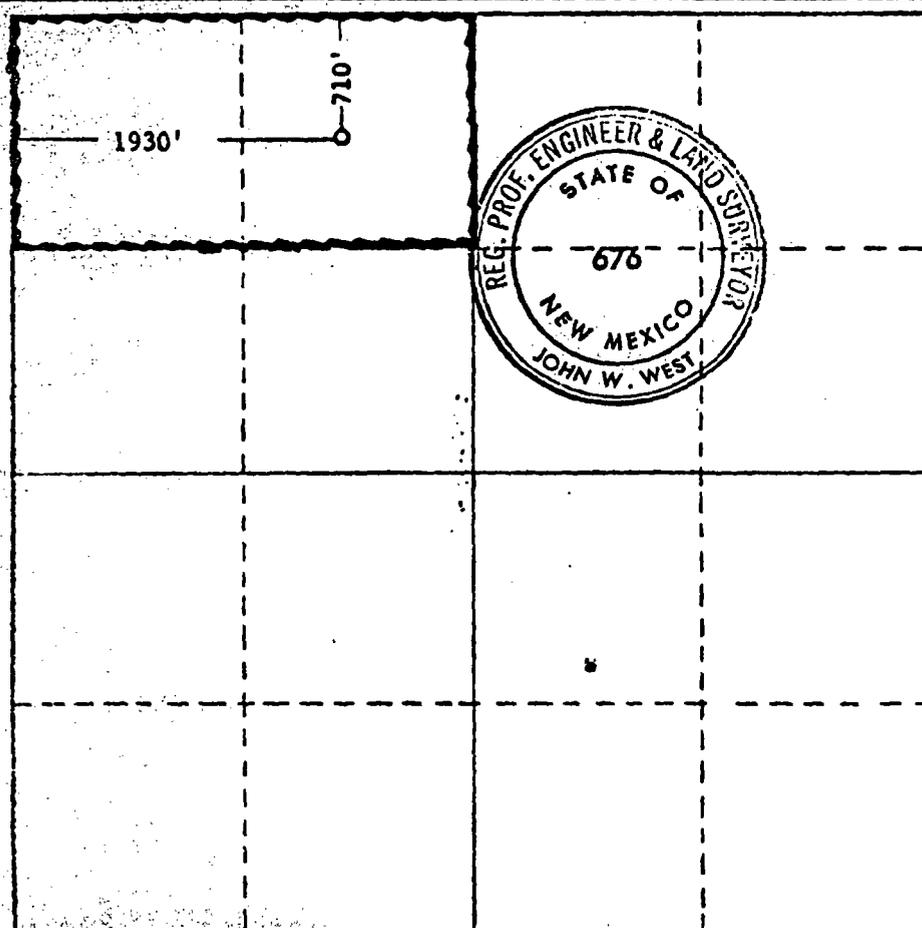
Operator PAN AMERICAN PETROLEUM CORP.		Lease SOUTH MATTIX UNIT			Well No. 22
Unit Letter C	Section 15	Township 24 SOUTH	Range 37 EAST	County LEA	
Actual Footage Location of Well:					
710	feet from the	NORTH	line and	1930	feet from the
Ground Level Elev.		Producing Formation BLINEBRY	Post FOWLER BLINEBRY	Dedicated Acreage 80 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation UNITIZATION

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name

Position

Area Superintendent

Company

Pan American Petroleum Corp.

Date

11-3-66

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

OCTOBER 6, 1966

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No.

NM PE & LS No. 676

District I
 P.O. Box 1980, Hobbs, NM 88241-1980
 District II
 111 S. 1st Street, Artesia, NM 88210-2834
 District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV
 2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION
 2040 South Pacheco
 Santa Fe, NM 87505

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-22488		² Pool Code 96949		³ Pool Name Wildcat; Upper Silurian	
⁴ Property Code 19582		⁵ Property Name South Mattix Unit Federal			⁶ Well Number 24
⁷ OGRID No. 157984		⁸ Operator Name Altura Energy Ltd.			⁹ Elevation 3260' RDB

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
0	15	24-S	37-E		510	South	1830	East	Lea

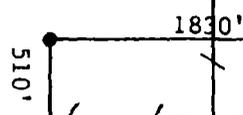
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County

¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
 OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

					¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>	
					Signature: <u>Mark Stephens</u> Printed Name: Mark Stephens Title: Business Analyst (SG) Date: 08/13/99	
					¹⁸ SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>	
					Date of Survey: _____ Signature and Seal of Professional Surveyor: _____ Certificate Number: _____	



NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-4-65

All distances must be from the outer boundaries of the Section.

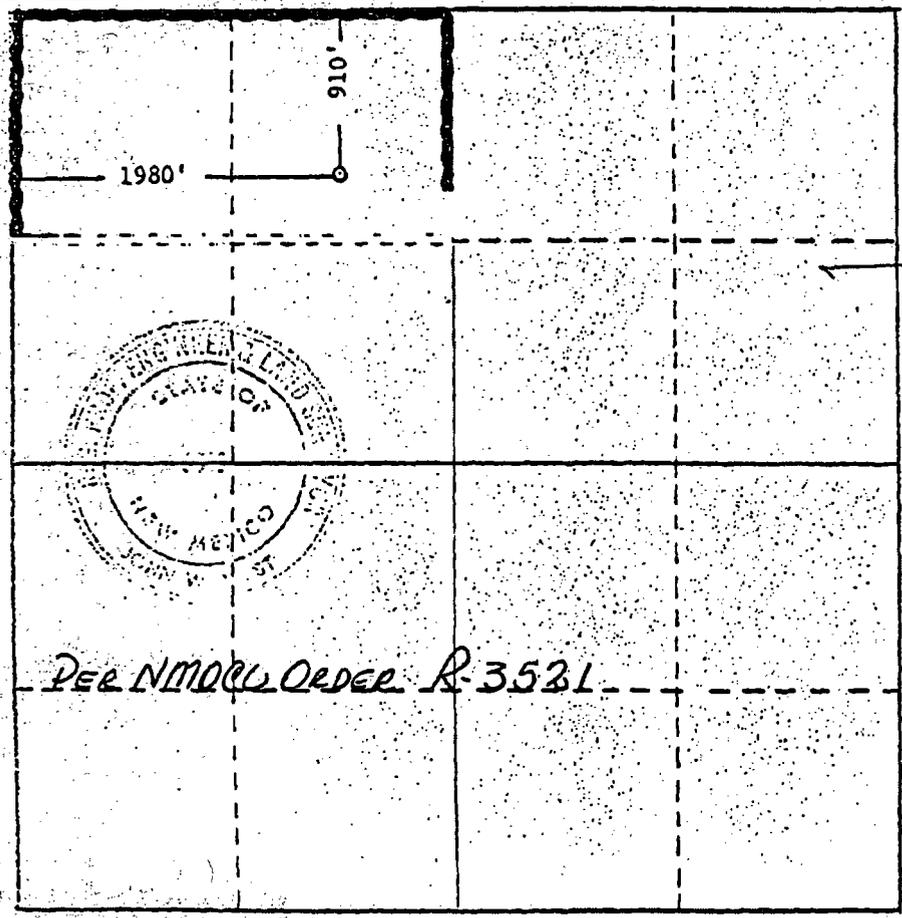
Operator PAN AMERICAN PETROLEUM CORP.		Lease SOUTH MATTIX UNIT FEDERAL		Well No. 25
Unit Letter C	Section 15	Township 24 SOUTH	Range 37 EAST	County LEA
Actual Footage Location of Well: 910 feet from the NORTH line and 1980 feet from the WEST line				
Ground Level Elev.	Producing Formation ELLENBURGER	Pool FOWLER ELLENBURGER	Dedicated Acreage 80 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name _____

Position
AREA SUPERINTENDENT

Company
PAN AMERICAN PETROLEUM CORPORATION

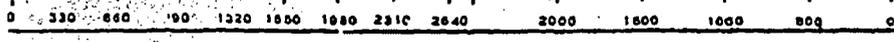
Date
OCT 22 1968

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
OCTOBER 21, 1968

Registered Professional Engineer and/or Land Surveyor
John W. West

Certificate No. **676**



NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Superseded L-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

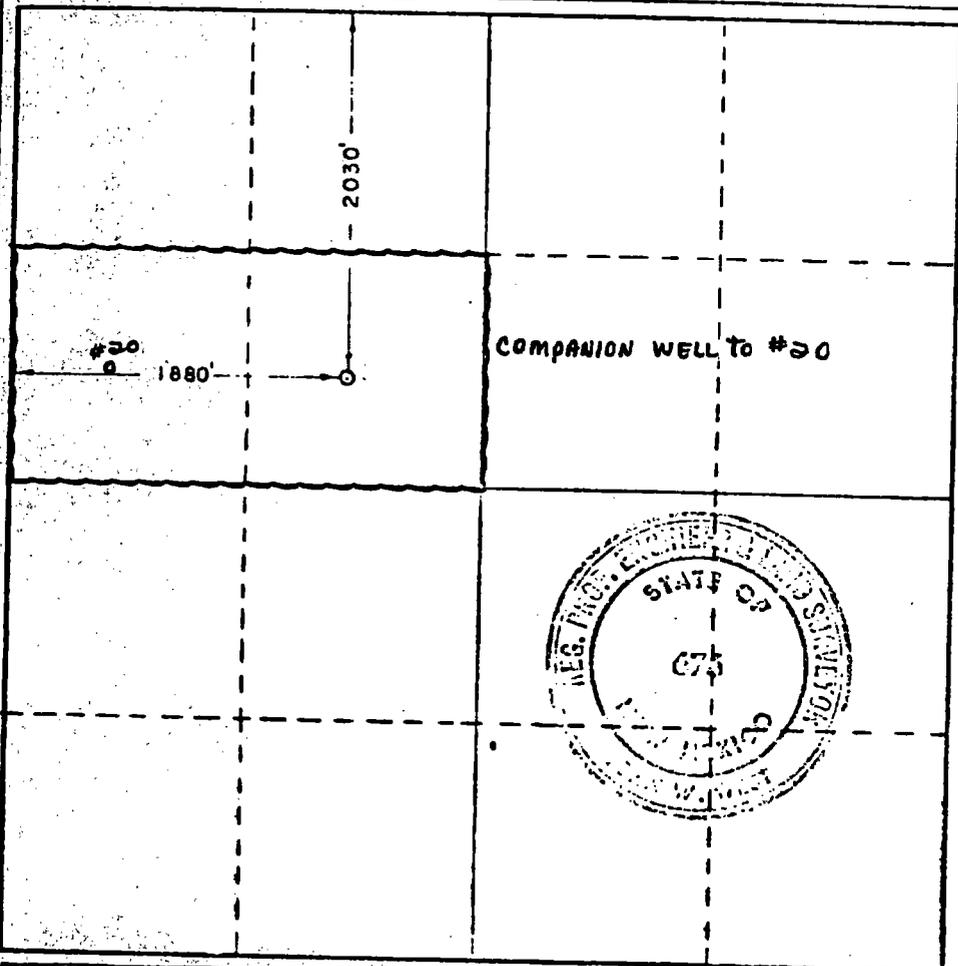
Operator AMOCO PRODUCTION COMPANY		Lease South Mattix Unit			Well No. 27
Well Letter F	Section 15	Township 24 South	Range 37 East	County Lea	
Actual Footage Location of Well: 2030 feet from the north line and 1880 feet from the west line					
Ground Level Elev. 3250.4	Producing Formation UPPER YESO		Pool FOWLER UPPER YESO	Dedicated Acreage: 80	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation UNITIZED

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

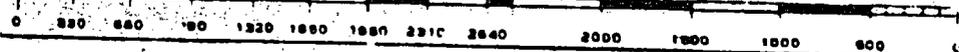


CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name: Kenneth Brand
Position: Senior Staff Assistant
Company: Amoco Production Company
Date: 6-30-77

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Last Surveyed
June 9, 1977
Registered Professional Engineer and Oil and Gas Surveyor
John W. West
676



NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAN

Supersedes 1-1-76
11-1-76

All distances must be from the outer boundaries of the Section

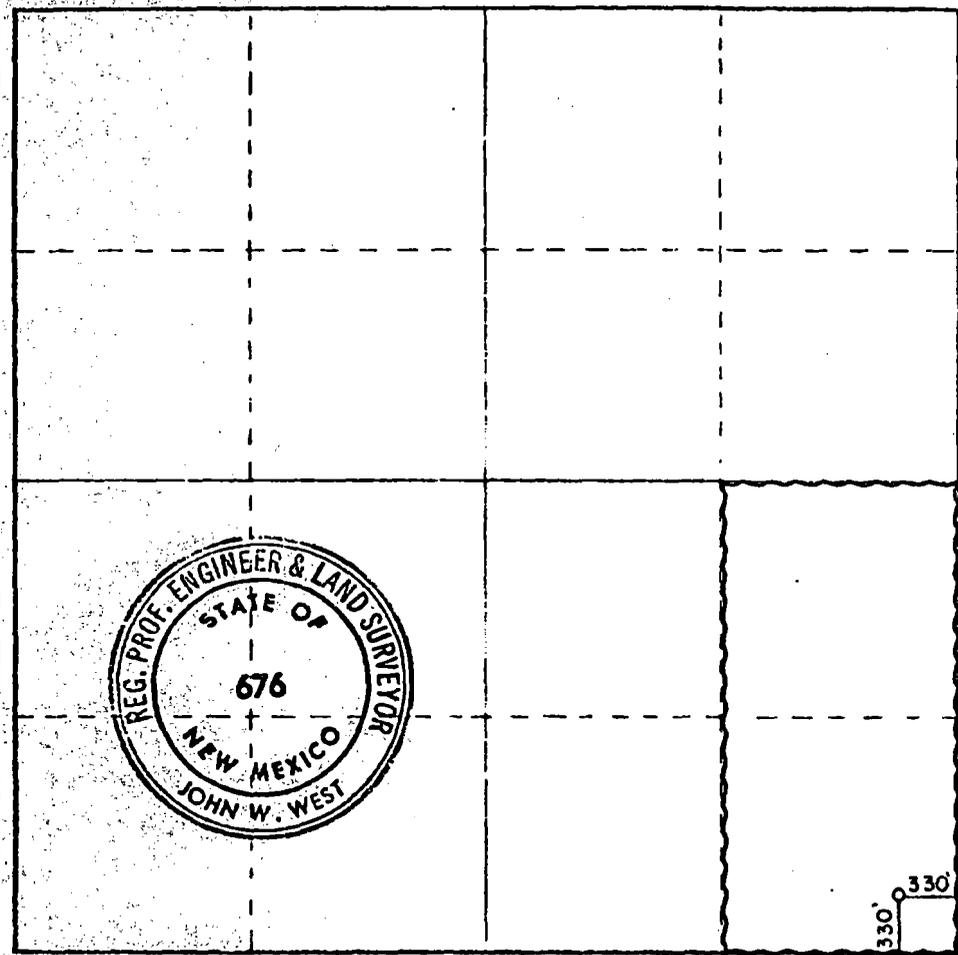
Amoco Production Co.		South Mattix Unit		30
P	15	24 South	37 East	Leo
330	South	330	East	
3227.1	UPPER YESO	FOWLER UPPER YESO		80

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty)
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Ray W. Coy

Administrative Assistant

AMOCO PRODUCTION COMPANY

9-2-77

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed:

August 16, 1977

Registered Professional Engineer and Land Surveyor

John W. West

676

330 660 990 1320 1680 1980 2310 2640 2960 3300

Submit to Appropriate District Office
 State Lease - 4 copies
 Fee Lease - 3 copies

State of New Mexico
 Energy, Minerals and Natural Resources Department

Form C-182
 Revised 1-1-89

OIL CONSERVATION DIVISION
 P.O. Box 2088
 Santa Fe, New Mexico 87504-2088

DISTRICT I
 P.O. Box 1980, Hobbs, NM 88240

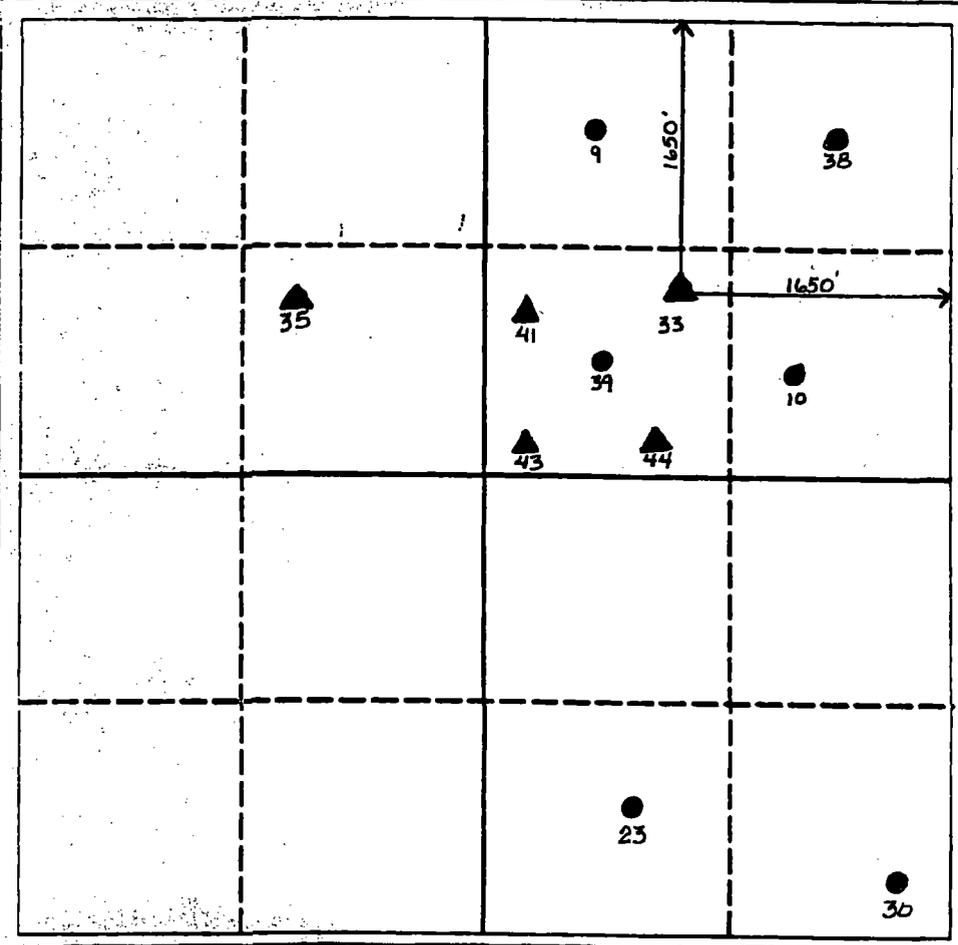
DISTRICT II
 P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
 1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT
 All Distances must be from the outer boundaries of the section

Operator Amoco Production Company			Lease South Mattix Unit		Well No. 33
Unit Letter G	Section 15	Township 24-S	Range 37-E	County NMPM	Lea, NM
Actual Footage Location of Well:					
1650' feet from the North line and		1650' feet from the East line			
Ground level Elev. 3245.7	Producing Formation Upper Yeso	Pool Fowler Upper Yeso	Dedicated Acreage: 320.80 Acres		

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
 Yes No If answer is "yes" type of consolidation _____
 If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
 No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



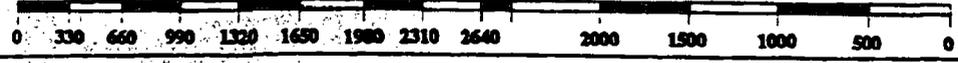
OPERATOR CERTIFICATION
 I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature: *Devina M. Prince*
 Printed Name: **Devina M. Prince**
 Position: **Staff Assistant**
 Company: **Amoco Production Co.**
 Date: **March 17, 1993**

SURVEYOR CERTIFICATION
 I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: _____

August 2, 1978
 Registered Professional Engineer and/or Land Surveyor
John W. West
 Certificate No. **John W. West 676**
Ronald J. Fildes 1299



NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

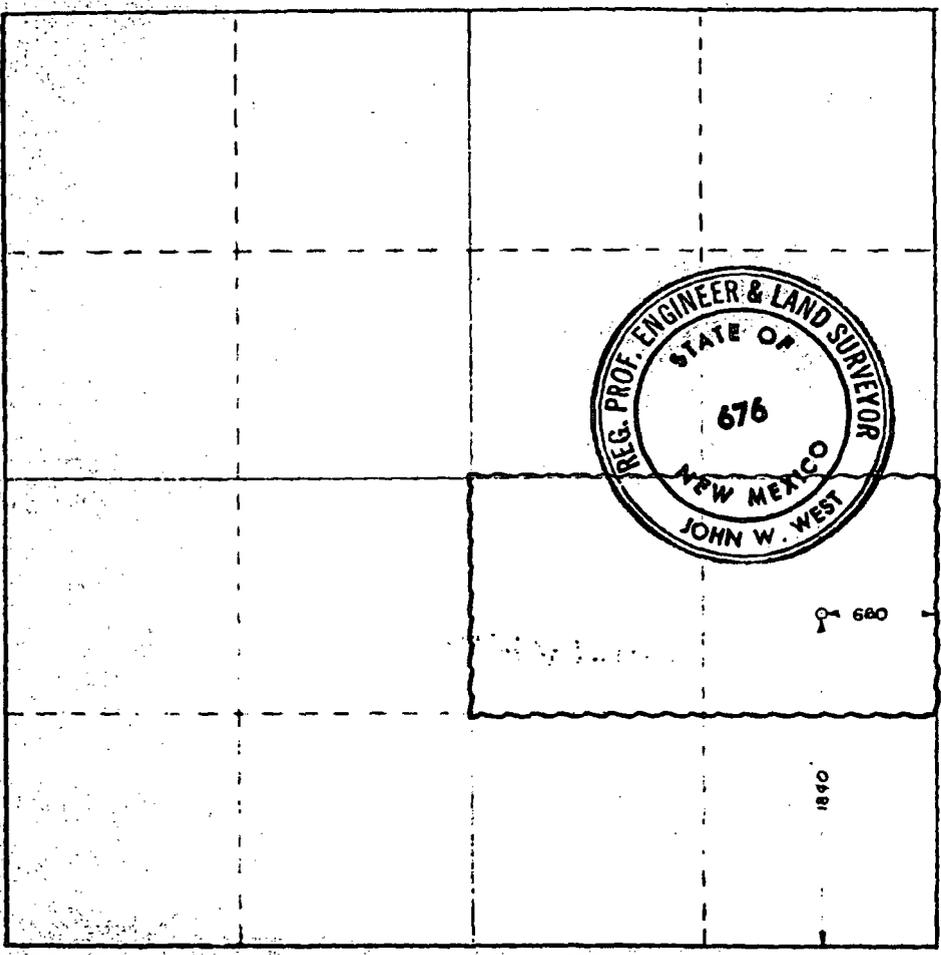
Amoco Production Co.		Lessor		South Mattix		Section		37	
15		24 South		37 East		Lea			
1840		South		660		East			
3230.9		Upper Yeso		Fowler Upper Yeso		80			

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation Unitization

If answer is "no," list the owners and tract descriptions which have actually been consolidated (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Randy Atkins
Randy Atkins

Administrative Analyst

Amoco Production Company

May 8, 1979

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

May 1, 1979

John W. West
John W. West

Certificate No. John W. West 676
Ronald J. Edson 3239

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

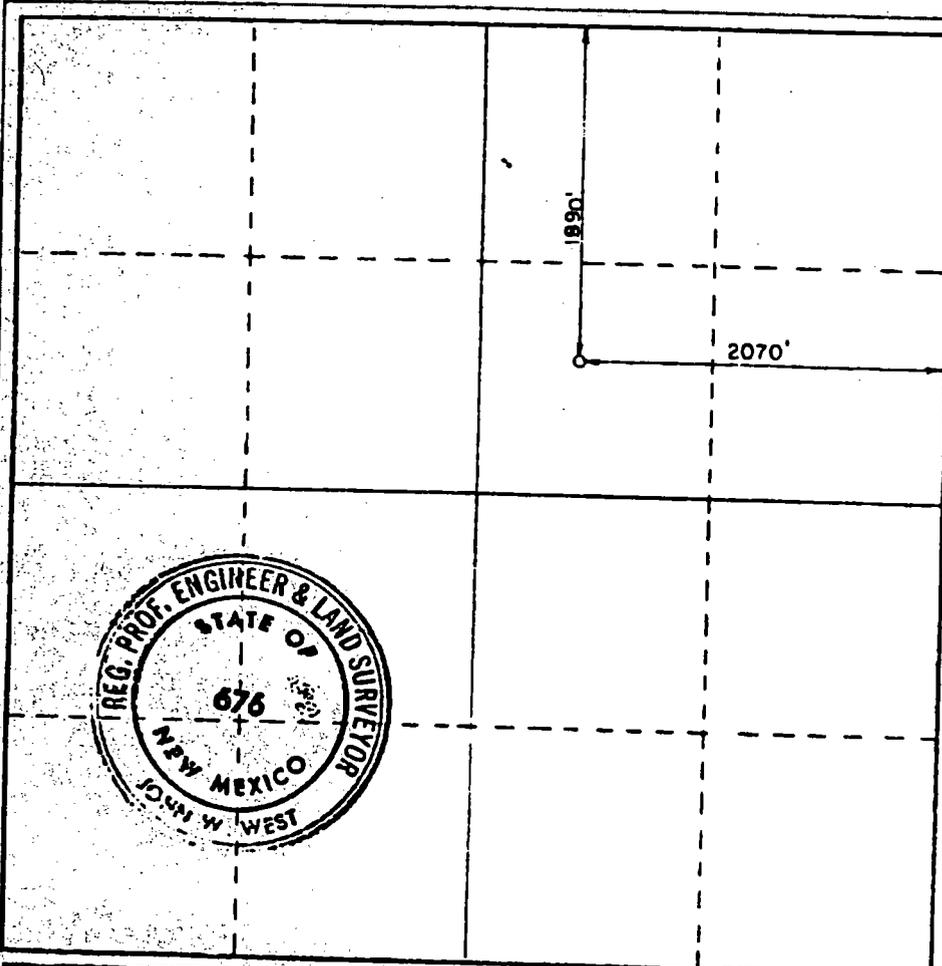
Operator AMOCO PRODUCTION CO.		Lease South Mattix Unit		Well No. 39
Unit Letter G	Section 15	Township 24 South	Range 37 East	County Lea
Actual Footage Location of Well: 1890 feet from the North line and 2070 feet from the East line				
Ground Level Elev. 3243.1	Producing Formation	Pool	Dedicated Acreage: Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name

Position

Company

Date

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief

Date Surveyed

October 18, 1979

Registered Professional Engineer and Land Surveyor

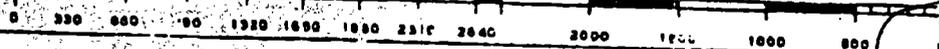
Certificate No.

John W. West

676

Ronald J. Eason

3239



All distances must be from the outer boundaries of the Section.

Operator Amoco Production Company			Lease South Mattix Unit Federal		Well No. 40
Unit Letter K	Section 15	Township 24 South	Range 37 East	County Lea	
Actual Footage Location of Well: 2200 feet from the West line and 2373 feet from the South line					
Ground Level Elev. 3246.6	Producing Formation Lower Paddock	Pool Fowler (Upper Yeso)		Dedicated Acreage 40.80 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name
Kim A. Colman
Position
Asst. Admin. Analyst
Company
Amoco Production Company
Date
10-14-91

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

September 16, 1991

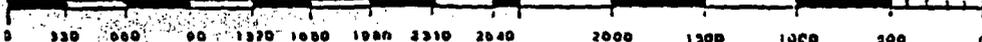
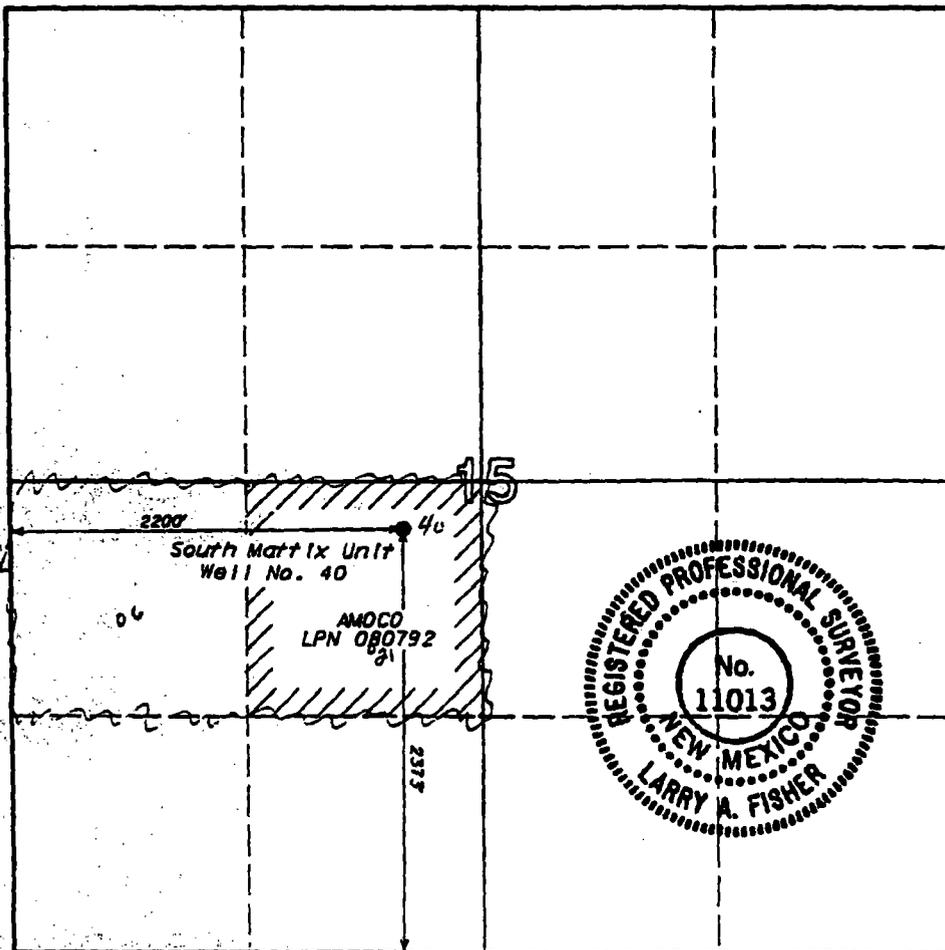
Date Surveyed

Registered Land Surveyor

Larry A. Fisher
Larry A. Fisher

Certification No.

11013



DISTRICT I
1825 E. French Dr., Hobbs, NM 88240

DISTRICT II
811 South First, Artesia, NM 88210

DISTRICT III
1000 Rio Grande Rd., Artesia, NM 87410

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87506

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised March 17, 1988

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-35292	Pool Code 26220	Pool Name Fowler Drinkard
Property Code 19582	Property Name SOUTH MATIX UNIT FEDERAL	Well Number 45
OGED No. 157984	Operator Name OCCIDENTAL PERMIAN LTD. PARTNERSHIP	Elevation 3238

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	15	24 S	37 E		2005	SOUTH	1850	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres 40	Joint or Infill N	Consolidation Code	Order No.
-----------------------	----------------------	--------------------	-----------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>David Stewart</i> Signature</p> <p>David Stewart Printed Name</p> <p>Regulatory Analyst Title</p> <p>2/8/00 Date</p>
	<p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.</p> <p>APR 10 2000 Date Surveyed</p> <p><i>[Signature]</i> Signature</p> <p>Professional Surveyor Title</p> <p>7977 Certification No.</p> <p>7977 Professional No.</p> <p>BASIN SURVEYS</p>

OWNER NAME	TRACKING NUMBER
BALDWIN ROBERTSON FAMILY TRUST	7016 2140 0000 8665 1005
BLOCH,LEE DAWS	7016 2140 0000 8665 1012
BRILLE INSTITUTE OF AMERICA	7016 2140 0000 8665 1029
BYRON &,ROBERT P	7016 2140 0000 8665 1036
COX,NANCY MYERS	7016 2140 0000 8665 1043
DAWS,JOSEPH L	7016 2140 0000 8665 1050
DWYER,ANNE MYERS	7016 2140 0000 8665 1067
EASLEY FAMILY FUTURES LLC	7016 2140 0000 8665 1074
FDH.COMPANY LP	7016 2140 0000 8665 1081
FITTS,DAVID B	7016 2140 0000 8665 1098
FITTS,MICHAEL D	7016 2140 0000 8665 1104
FITTS,NANCY E	7016 2140 0000 8665 1111
HUGHES FAMILY,WARREN & MARYELLEN	7016 2140 0000 8665 1128
HUGHES,JEAN L	7016 2140 0000 8665 1135
JACK REVOCABLE TRUST,NANCY P	7016 2140 0000 8665 1142
LATADY JR,RICHARD D	7016 2140 0000 8665 1159
LATADY,CAMILLA H	7016 2140 0000 8665 1166
LATADY,CHARLES M	7016 2140 0000 8665 1173
LEE,VIRGINIA MITCHELL	7016 2140 0000 8665 1180
LOMA LINDA UNIV A CALIFORNIA COR	7016 2140 0000 8665 1197
MCKENZIE,DONALD C	7016 2140 0000 8665 1203
MESERVE TRUST,J ROBERT	7016 2140 0000 8665 1210
MESERVE FAMILY TRUST DTD 8-8-89	7016 2140 0000 8665 1227
MINERALS MANAGEMENT SERVICE	7016 2140 0000 8665 1234
MISSISSIPPI BAPTIST FDN	7016 2140 0000 8665 1241
MITCHELL,CHARLES SUMMERS	7016 2140 0000 8665 1258
MUMPER SEP PROP TRUST,KENNETH C	7016 2140 0000 8665 1265
MUMPER SEP PROP TRUST,WILLIAM H	7016 2140 0000 8665 1272
MUMPER,BRUCE N	7016 2140 0000 8665 1289
MYERS IV,CORTLAND	7016 2140 0000 8665 1296
MYERS JR,RICHARD HUGHES	7016 2140 0000 8665 1302
MYERS,SHIRLEY L	7016 2140 0000 8665 1319
MYERS,STEVEN D	7016 2140 0000 8665 1326
SHERRY-NEVADA OIL ROYALTY CO	7016 2140 0000 8665 1333
SILVERADO OIL & GAS LLP	7016 2140 0000 8665 1340
SIMPSON,LORAIN E D	7016 2140 0000 8665 1357
SPINDLETOP EXPLORATION COMPANY INC	7016 2140 0000 8665 1364
WHITE STAR ENERGY INC	7016 2140 0000 8665 1371

WELL NAME	API No.
SOUTH MATTIX UNIT FEDERAL #2	30-025-11112
SOUTH MATTIX UNIT FEDERAL #3	30-025-11196
SOUTH MATTIX UNIT FEDERAL #6	30-025-11114
SOUTH MATTIX UNIT FEDERAL #12	30-025-11203
SOUTH MATTIX UNIT FEDERAL #13	30-025-11204
SOUTH MATTIX UNIT FEDERAL #20	30-025-21678
SOUTH MATTIX UNIT FEDERAL #22	30-025-21922
SOUTH MATTIX UNIT FEDERAL #27	30-025-25612
SOUTH MATTIX UNIT FEDERAL #40	30-025-31475
SOUTH MATTIX UNIT FEDERAL #9	30-025-11117
SOUTH MATTIX UNIT FEDERAL #10	30-025-11118
SOUTH MATTIX UNIT FEDERAL #30	30-025-25747
SOUTH MATTIX UNIT FEDERAL #33	30-025-26095
SOUTH MATTIX UNIT FEDERAL #24	30-025-22488
SOUTH MATTIX UNIT FEDERAL #37	30-025-26355
SOUTH MATTIX UNIT FEDERAL #39	30-025-26598
SOUTH MATTIX UNIT FEDERAL #45	30-025-35292
SOUTH MATTIX A FEDERAL #5	30-025-11201
SOUTH MATTIX UNIT FEDERAL #14	30-025-11110
SOUTH MATTIX UNIT FEDERAL #15	30-025-20513
SOUTH MATTIX UNIT FEDERAL #1	30-025-11111
SOUTH MATTIX UNIT FEDERAL #17	30-025-20298
SOUTH MATTIX UNIT FEDERAL #25	30-025-20298