



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
HOBBS DISTRICT OFFICE

GOVERNOR

POST OFFICE BOX 1980  
HOBBS, NEW MEXICO 88241-1980  
(505) 393-6161

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

DHC-1189

RE: Proposed:

MC \_\_\_\_\_  
DHC X \_\_\_\_\_  
NSL \_\_\_\_\_  
NSP \_\_\_\_\_  
SWD \_\_\_\_\_  
WFX \_\_\_\_\_  
PMX \_\_\_\_\_

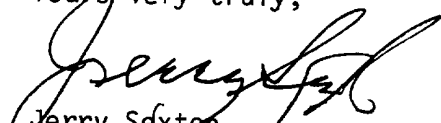
Gentlemen:

I have examined the application for the:

Samedan Oil Corp Langlie Mattix 4 Federal #7-L 4-235-376  
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

Yours very truly,

  
Jerry Sexton  
Supervisor, District 1

/ed

# **SAMEDAN OIL CORPORATION**

**12600 NORTHBOROUGH, #250**

**HOUSTON, TEXAS 77067**

**(713) 876-6150 FAX (713) 876-6106**

**February 1, 1996**

**Oil Conservation Division  
2040 South Pacheco  
PO Box 6429  
Santa Fe, New Mexico 87505**

**Atten: William LeMay:**

**RE: Exception to Rule 303-A  
Administrative Approval to Downhole Commingle  
Langlie Mattix "4" Federal #1  
Teague, N. Lower Pad-Blinbry (Associated)  
Teague, N. Tubb (Associated)  
Teague, N. Drinkard-Abo  
Unit Letter L, Section 4, T-23-S, R-37-E  
Lea County, New Mexico**

**Samedan Oil Corporation requests administrative approval for the downhole commingling of the above mentioned pools.**

**We have enclosed the following:**

- 1. Area Plat showing ownership of offsetting leases.**
- 2. Plat showing acreage dedicated to the well.**
- 3. Listing address and a copy of the letter of notification to offset operators and the Bureau of Land Management.**
- 4. Division Form C-116 showing 24-hr productivity test from each zone.**
- 5. Well History and Prognostication of future production.**
- 6. Estimated BHP for each artificially lifted zone.**
- 7. Fluid description of each zone.**
- 8. Valves of production.**
- 9. Recommended formula for allocation of production.**

**We appreciate your consideration in this matter. If you have any questions please call Gary Hendricks, (713) 876-6150, or myself.**

**Thank you,**

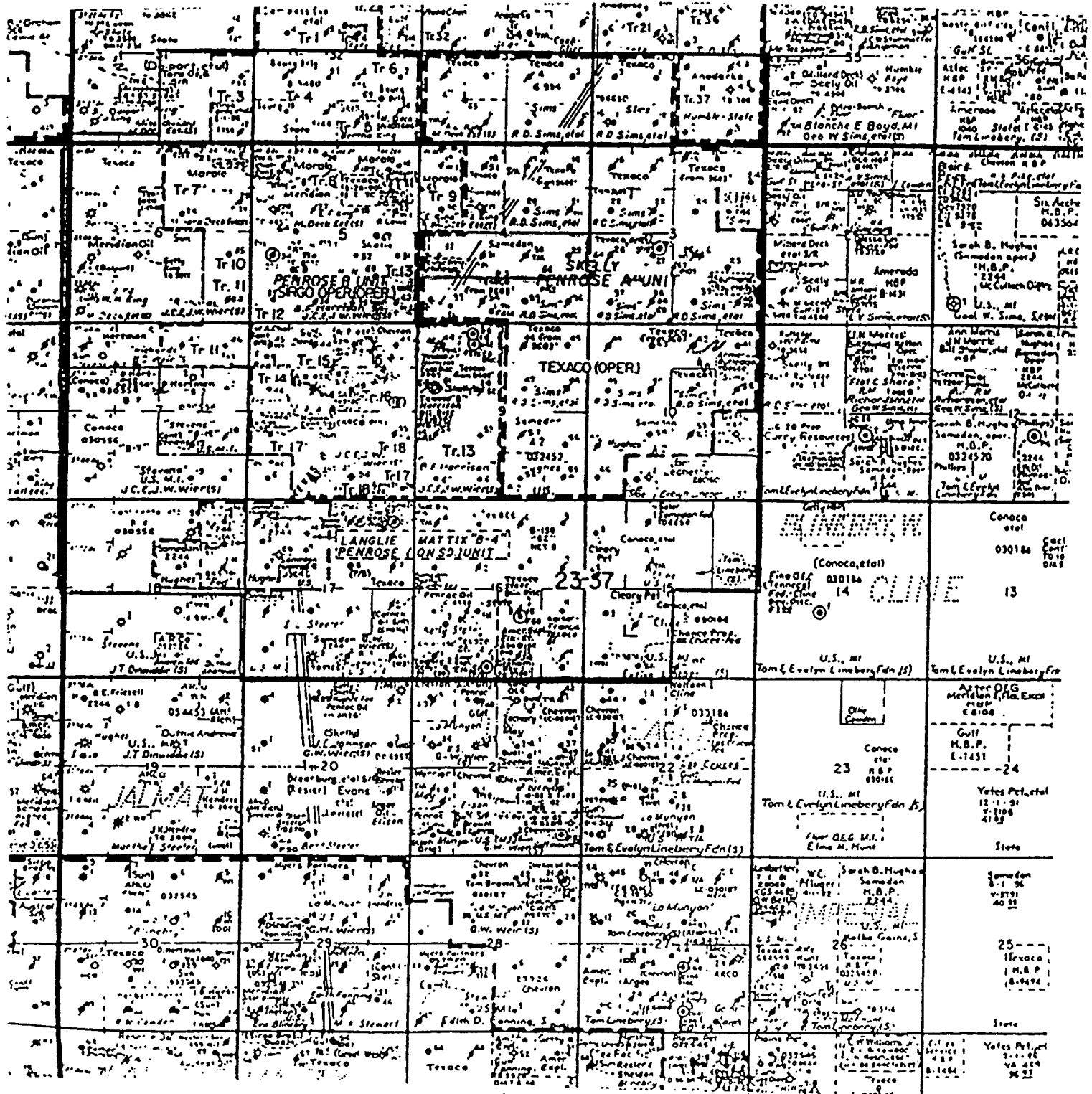


**Judy Throneberry**

**attachments**

**xc: OCC - Hobbs District  
BLM**

### Offset Ownership Map



[illegible]

**Samedan Acreage is Shaded**

1/31/96  
7:45 AM

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised February 10, 1994  
Instruction on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

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

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

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-32743	Pool Code 96314	Pool Name Teague; Lower Pad-Bli N. (Assoc)
Property Code 16069	Property Name LANGIE MATTIX 4	Well Number 1
OGRID No. 20153	Operator Name SAMEDAN OIL CORPORATION	Elevation 3325'

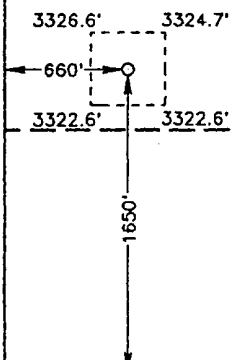
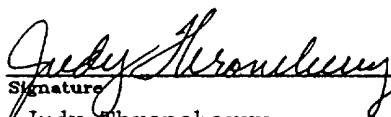
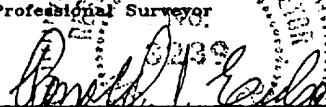
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	4	23 S	37 E		1650	SOUTH	660	WEST	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	Joint or Infill	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

LOT 4 - 44.06AC	LOT 3 - 44.20AC	LOT 2 - 44.32AC	LOT 1 - 44.46AC
			
<b>OPERATOR CERTIFICATION</b>  I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.   Signature Judy Throneberry Printed Name Div Prod Clerk Title 11/17/95 Date			
<b>SURVEYOR CERTIFICATION</b>  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.  AUGUST 23 1994 Date Surveyed Signature & Seal of Professional Surveyor  W.G. Nunn 94-11-1500 Certificate No. 876 RONALD J. EIDSON, 3239			

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

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Energy, Minerals and Natural Resources Department

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State Lease - 4 Copies  
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DISTRICT II  
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OIL CONSERVATION DIVISION

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-32743	Pool Code 96315	Pool Name N. Teague Tubb
Property Code 16069	Property Name LANGUE MATTIX 4	Well Number 1
OGRID No. 020153	Operator Name SAMEDAN OIL CORPORATION	Elevation 3325'

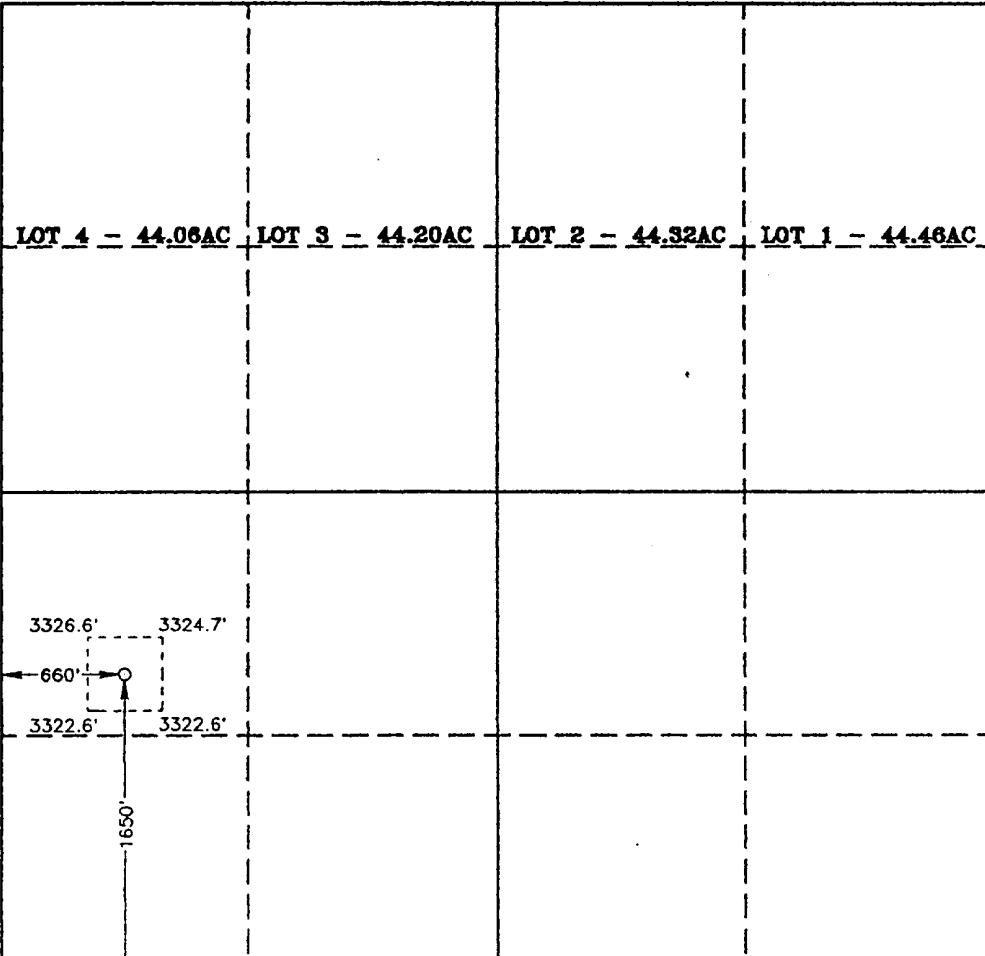
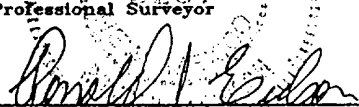
Surface Location

UL or lot No. L	Section 4	Township 23 S	Range 37 E	Lot Idn	Feet from the 1650	North/South line SOUTH	Feet from the 660	East/West line WEST	County LEA
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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	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

				<b>OPERATOR CERTIFICATION</b>  <i>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</i>  Signature Judy Throneberry Printed Name Div Prod Clerk Title 08/17/95 Date	
				<b>SURVEYOR CERTIFICATION</b>  <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>  AUGUST 23, 1994 Date Surveyed NO. Signature & Seal of Professional Surveyor  W.O. Num 94-11-1500 Certificate No. JOHN W. WEST, 676 RONALD J. EIDSON, 3239	

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P.O. Box 1980, Hobbs, NM 88240

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Energy, Minerals and Natural Resources Department

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DISTRICT II  
P.O. Drawer DD, Artesia, NM 86210

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-32743	Pool Code 96313	Pool Name N. Teague Drinkard/Abo
Property Code 16069	Property Name LANGIE MATTIX 4	Well Number 1
OGRID No. 020153	Operator Name SAMEDAN OIL CORPORATION	Elevation 3325'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	4	23 S	37 E		1650	SOUTH	660	WEST	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	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>LOT 4 - 44.06AC</p> <p>LOT 3 - 44.20AC</p> <p>LOT 2 - 44.32AC</p> <p>LOT 1 - 44.46AC</p>	<p>3326.6'</p> <p>3324.7'</p> <p>660'</p> <p>3322.6'</p> <p>3322.6'</p> <p>1650'</p>	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p>Signature</p> <p>Judy Throneberry</p> <p>Printed Name</p> <p>Div Prod Clerk</p> <p>Title</p> <p>08/17/95</p> <p>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>AUGUST 23, 1994</p> <p>Date Surveyed</p> <p>Signature &amp; Seal of Professional Surveyor</p> <p>W.O. Num 94-11-1500</p> <p>Certificate No. JOHN W. WEST, 676 RONALD J. EIDSON, 3238</p>
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**NOTIFICATIONS OF  
EXCEPTION TO RULE 303-A**

**OFFSET OPERATOR**

TEXACO EXPLORATION & PRODUCTION, INC.  
PO Box 3109  
Midland, Texas 79702

**BUREAU OF LAND MANAGEMENT**

Bureau of Land Management  
PO Box 1778  
Carlsbad, NM 88221-1778



**SAMEDAN OIL CORPORATION**

**12600 NORTHBOROUGH, #250  
HOUSTON, TEXAS 77067  
(713) 876-6150 FAX (713) 876-6106**

**February 1, 1996**

**Texaco Exploration & Production, Inc.  
PO Box 3109  
Midland, Texas 79702**

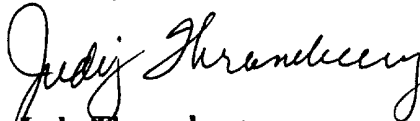
**Gentlemen:**

**RE:   Exception to Rule 303-A  
      Downhole Commingling Permit  
      Langlie Mattix "4" Federal Well #1  
      Teague, N. Lower Pad-Blinebry (Assoc)  
      Teague, N. Tubb (Assoc)  
      Teague, N. Drinkard-Abo**

**This is to notify you of our application for Administrative approval for downhole commingling of production in the above mentioned zones for the Langlie Mattix "4" Federal Well #1. I have attached a copy of the application.**

**If you have any questions please contact Gary Hendricks at (713) 876-6150. If you have no objections please sign and return the enclosed letter to the New Mexico Oil Conservation Commission in the self-addressed stamped envelope as soon as possible to expedite matters. Any objections must be filed with the Commission within 20 days of the date of this letter.**

**Thank you,**



**Judy Throneberry  
Division Production Clerk**

**attachments**

**xc: Oil Conservation Division  
Santa Fe, NM**

February 1, 1996

New Mexico Oil Conservation Commission  
2040 South Pacheco  
PO Box 6429  
Santa Fe, New Mexico 87505

ATTEN: MR. BILL LEMAY

RE: DOWNHOLE COMMINGLING PERMIT

This is to advise that we have been notified of Samedan Oil Corporation's application to downhole commingle the following described well in accordance with Commission Regulations:

Langlie Mattix "4" Federal Well #1  
Teague, N. Lower Pad-Blinebry (Assoc)  
Teague, N. Tubb (Assoc)  
Teague, N. Drinkard-Abo  
Unit Letter L, Section 4, T-23-S, R-37-E  
Lea County, New Mexico

We, as an offset operator, have no objection to the proposed down hole commingling of the above mentioned zones.

Very truly yours,

Texaco Exploration & Production, Inc

BY: \_\_\_\_\_

NAME: \_\_\_\_\_

DATE: \_\_\_\_\_



**SAMEDAN OIL CORPORATION**

**12600 NORTHBOROUGH, #250  
HOUSTON, TEXAS 77067  
(713) 876-6150 FAX (713) 876-6106**

**February 1, 1996**

**Bureau of Land Management  
PO Box 1778  
Carlsbad, NM 88221-1778**

**Gentlemen:**

**RE:   Exception to Rule 303-A  
      Downhole Commingling Permit  
      Langlie Mattix "4" Federal Well #1  
      Teague, N. Lower Pad-Blinebry (Assoc)  
      Teague, N. Tubb (Assoc)  
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**If you have any questions please contact Gary Hendricks at (713) 876-6150. If you have no objections please sign and return the enclosed letter to the New Mexico Oil Conservation Commission in the self-addressed stamped envelope as soon as possible to expedite matters. Any objections must be filed with the Commission within 20 days of the date of this letter.**

**Thank you,**



**Judy Throneberry  
Division Production Clerk**

**attachments**

**xc: Oil Conservation Division  
     Santa Fe, NM**

Submit 2 copies to Appropriate  
District Office.  
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

State of New Mexico  
Energy, Minerals and Natural Resources Department

## OIL CONSERVATION DIVISION

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

Form C-116  
Revised 1/1/89

### GAS - OIL RATIO TEST

Operator Samedan Oil Corporation		020153		Pool 96315 - N. Teague Tubb (Assoc)		County Lea										
Address 12600 Northborough, #250, Houston, Texas 77067				TYPE OF TEST - (X)		Scheduled <input type="checkbox"/> Completion <input type="checkbox"/> Special <input checked="" type="checkbox"/>										
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	STATUS	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW- ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT/BBL.	
		U	S	T	R							WATER BBL.S.	GRAY. OIL BBL.S.	GAS M.C.F.		
16069 Langlie Mattix "4" Fed	1	L	4	23S	37E	10/8/95	F				24	11	38.3	6	61	10167

#### Instructions:

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 Division.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia 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.

(See Rule 301, Rule 1116 & appropriate pool rules.)

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

Signature

Judy Thibodeau

Printed name and title

2/1/96

713 876-6150

Date

Telephone No.

Submit 2 copies to Appropriate District Office.

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

Form C-116  
Revised 1/1/89

GAS - OIL RATIO TEST

Operator Samedan Oil Corporation 020153		Pool 96314 - Teague Lower Pad-Bld, N. (Assoc)		County Lea								
Address 12600 Northborough, #250, Houston, Texas 77067		TYPE OF TEST - (X) <input checked="" type="checkbox"/> Scheduled <input type="checkbox"/> Completion		Special <input checked="" type="checkbox"/> XX								
LEASE NAME 16069 Langlie Mattix "4" Fed	WELL NO. 1	LOCATION U S T R L 4 23S 37E 11/11/96		DATE OF TEST P	TYPE OF TEST P	CHOKE SIZE	TBQ. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS 24	PROD. DURING TEST WATER BRLS. 58 GRAV. OIL 40.3 OIL BRLS. 8 GAS M.C.F. 38		GAS - OIL RATIO CU.FT/BBL. 4750

Instructions:

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 Division.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia 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.

(See Rule 301, Rule 1116 & appropriate pool rules.)

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

Signature

Judy Throneberry, Div Prod Clerk

Printed name and title

2/1/96

713 876-6150

Date

Telephone No.

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State of New Mexico  
Energy, Minerals and Natural Resources Department

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Form C-116  
Revised 1/1/89

GAS - OIL RATIO TEST

Operator Samedan Oil Corporation	020153	Pool 96313 - N. Teague Drinkard/Abo	County Lea													
Address 12600 Northborough, #250, Houston, Texas 77067		TYPE OF TEST - (X)	Scheduled <input type="checkbox"/> Completion <input type="checkbox"/> Special <input checked="" type="checkbox"/>													
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	SIZE IN.	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW- ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT/BBL.	
		U	S	T	R							WATER BBL.S.	GRAV. OIL	OIL BBL.S.		GAS M.C.F.
16069 Langlie Mattix "4" Fed	1	L	4	23S	37E	7/31/95	F				24	110	36.4	26	51	1962

Instructions:

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 Division.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia 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.

(See Rule 301, Rule 1116 & appropriate pool rules.)

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

Signature

Judy Throneberry, Div Prod Clerk

Printed name and title

2/1/96

713 876-6150

Date

Telephone No.

**Application to Downhole Commingle**  
**Samedan Oil Corporation**  
**Langlie Mattix "4" Federal #1**  
**Unit Letter L, Section 4, T-23-S, R-37-E**  
**Lea County, New Mexico**

**Well History**

Shown below is a history of the work performed on the Langlie Mattix "4" Federal #1. Casing and cement details can be obtained from the wellbore sketch

5-1-95	Spud well with 12 1/4" bit.
5-2-95	Set 9 5/8" casing at 1,185'. Cement with 650 sacks and circulate cement.
5-14-95	Drill to total depth of 7,151' with 7 7/8" bit.
5-17-95	Set 7" casing at 7,150' and cement with 3,400 sacks cement. TOC at 1,600'.
5-23-95	Perforate Abo zone from 6,766' to 7,092' with 107 holes.
5-25-95	Acidize Abo with 3,000 gallons 15% NEFE HCL at 5.6 BPM and 4110 psi.
5-26-95	Acidize Abo with 5,000 gallons 15% NEFE HCL at 11.5 BPM and 6,260 psi. Frac with 45,400 gallons XL gel and 20,000# sand at 29 BPM and 7,500 psi. Screen out on 4 ppg sand stage.
5-31-95	Set CIBP at 6,740'. Perforate Drinkard from 6,450' to 6,712' with 99 holes.
6-2-95	Acidize Drinkard with 3,000 gallons 15% NEFE HCL at 8 BPM and 3000 psi. Frac with 68,375 gallons XL gel and 182,000# 20/40 Ottawa sand at 32 BPM and 5700 psi.
6/30/95	Drill out CIBP at 6,740' and install artificial lift equipment. Begin pumping testing Drinkard-Abo zone.
7-16-95	Potential test in Teague, North Drinkard-Abo Pool: 24 BOPD, 165 BWPD and 51 MCFPD.
7-31-95	Last production test in Drinkard-Abo: 26 BOPD, 110 BWPD and 51 MCFPD.
8-2-95	Set CIBP at 6,400'. Perforate the Tubb 6,164' to 6,302' with 110 holes.

Application to Downhole Commingle

Samedan Oil Corporation

Langlie Mattix "4" Federal #1

Unit Letter L, Section 4, T-23-S, R-37-E

Lea County, New Mexico

Page: 2

8-3-95	Acidize Tubb with 4,000 gallons 15% NEFE HCL at 5.5 BPM and 2,700 psi.
8/4/95	Frac Tubb with 65,000 XL gel and 196,000# 20/40 Ottawa sand at 30 BPM and 2,550 psi.
8/9/95	Ran rods and pump and began pump testing Tubb zone.
8/14/95	Potential test in Teague, North Tubb (Associated) Pool: 45 BOPD, 118 BWPD and 128 MCFPD.
10/8/95	Last production test in Tubb: 6 BOPD, 11 BWPD and 61 MCFPD.
10/11/95	Set CIBP at 6,100'. Perforate Blinebry 5,690' to 5,968' with 150 holes.
10/12/95	Acidize Blinebry with 4,000 gallons 15% NEFE HCL at 6 BPM and 3,700 psi.
10/13/95	Frac Blinebry with 65,000 gals XL gel and 196,000# 20/40 Ottawa sand at 32 BPM and 2,400 psi.
10/20/95	Ran rods and pump and began pump testing Blinebry zone.
11/3/95	Potential test in Teague, North Lower Paddock-Blinebry (Associated) Pool: 33 BOPD, 132 BWPD and 86 MCFPD.
1/11/96	Current test in Blinebry: 8 BOPD, 58 BWPD and 38 MCFPD.



**Application to Downhole Commingle  
Samedan Oil Corporation  
Langlie Mattix "4" Federal #1  
Unit Letter L, Section 4, T-23-S, R-37-E, Lea County, New Mexico**

**Other Informational Items Required by Rule 303 D**

**6. Estimated bottomhole pressure for each zone:**

Teague, North Lower Pad-Blinebry (Associated)	700 psi	(Estimated)
Teague, North Tubb (Associated)	800 psi	(Texaco Application)
Teague, North Drinkard-Abo	975 psi	(Texaco Application)

Production from all zones will be maintained in a pumped off condition. No crossflow between zones is expected to occur.

7. Texaco currently surface commingles production from all three zones in their B.F. Harrison lease located in Sections 5 and 9. Texaco has stated in their B.F. Harrison #15 Exception to Rule 303-A filing that no operational difficulties have been encountered due to incompatible fluids.

**8. Computation of the Value of the Commingled Production**

Pool	Oil Rate BPD	Gravity at 60 deg	Value \$/bbl	Total Daily Value \$/day
Blinebry Associated	8	40.3	18.50	148.00
Tubb Associated	6	38.3	18.50	111.00
Drinkard/Abo	26	36.4	18.50	481.00

Currently only the Blinebry is producing so the current value of the daily production is \$148.00 per day. The commingled value is shown below. Oil produced from the well from all zones is deemed 40 degrees by the purchaser and no deductions for gravity will be incurred the commingled value is shown below:

Pool	Oil Rate BPD	Gravity at 60 deg	Value \$/bbl	Total Daily Value \$/day
Commingled	50	37.5	18.50	925.00

**9. Allocation of Future Production**

Based on the expected producing rate after commingling, the production from the well should be allocated by the following percentages:

Pool	Oil%	Gas%
Blinebry (Associated)	20%	25%
Tubb (Associated)	15%	41%
Drinkard/Abo	65%	34%

10. Texaco offsets this acreage on all sides. Texaco has been notified of this proposal by copy of this application package.

**Samedan Oil Corporation  
Langlie Mattix "4" Federal #1  
Summary of Production**

**Langlie Mattix "4" Federal #1  
Unit Letter L, Sec 4, T-23-S, R-37-E**

Drinkard/Abo Pool			
Month/Yr	BOPM	MCFPM	BWPM
Jul-95	594	889	4497
Aug-95	0	0	0
Sep-95	0	0	0
Oct-95	0	0	0
Nov-95	0	0	0
Totals	594	889	4497

Tubb Pool			
Month/Yr	BOPM	MCFPM	BWPM
Jul-95	0	0	0
Aug-95	402	2275	2003
Sep-95	183	1462	530
Oct-95	66	479	128
Nov-95	0	0	0
Totals	651	4216	2661

Lower Paddock/Blinebry Pool			
Month/Yr	BOPM	MCFPM	BWPM
Jul-95	0	0	0
Aug-95	0	0	0
Sep-95	0	0	0
Oct-95	117	329	1242
Nov-95	709	1415	3616
Totals	826	1744	4858

**Application to Downhole Commingle**  
**Samedan Oil Corporation**  
**Langlie Mattix "4" Federal #1**

**Prognistication of Future Zone for Blinebry, Tubb and Drinkard/Abo Zones**

Month After Commingleing	Blinebry Zone		Tubb Zone		Drinkard/Abo Zone		Total Commingled	
	Oil	Gas	Oil	Gas	Oil	Gas	Oil	Gas
First	8	38	6	61	26	51	40	150
Second	8	37	6	59	25	50	39	146
Third	8	36	6	57	24	48	38	141
Fourth	7	35	5	56	24	47	37	137
Fifth	7	34	5	54	23	45	36	133
Sixth	7	33	5	53	22	44	34	129
Seventh	7	32	5	51	22	43	33	125
Eighth	6	31	5	50	21	41	32	122
Ninth	6	30	5	48	20	40	32	118
Tenth	6	29	5	47	20	39	31	115
Eleventh	6	28	4	45	19	38	30-	111
Twelfth	6	27	4	44	19	37	29	108

Production from all zones is estimated to decline at 30% per year after commingling.

Water production is expected to decline quickly in all zones as was noted in the Tubb zone during it's test period from August 14, 1995 to October 8, 1995 where production declined from 118 BWPD to 11 BWPD.

Blinebry water production declined from 132 BWPD to 58 BWPD during the first two months of production.

Water production is expected to fall within the guidelines of Rule 303 C (iii).

**Samedan Oil Corporation**  
Configuration After Commingling

**Langlie Mattix 4 Federal #1**

Well Name

## Lea, New Mexico

County, State

**660' FWL and 1650' FSL**

Section 4, T-23-S, R-37-E

**Location**

3325' GL, 3341' KB

Elevation

9 5/8" 36# J-55 casing at 1185'  
Cemented with 450 sacks Class C  
with 4% gel, 1/4# celloflake/sk and  
2% CaCl<sub>2</sub>. Tail in with 200 sacks  
Class C with 2% CaCl<sub>2</sub>.  
Circ 100 sacks cement

Top of cement at 1260'

7" 26# J-55 casing at 7150'  
Cemented with 2800 sacks Class C  
Light with 5% salt and 1/4# Cello  
flake/sk. Tail in with 600 sacks  
Class H 50/50 Poz with 2% gel, 0.6%  
FLA, 0.3% dispersant and 0.3%  
SMS Full circ through cement job  
Did not circulate cement. Ran  
temp svy, TOC at 1260'

5690

### Blinebry Completion

5968

CIBP at 6100'

6164

## Tubb Completion

6302

CIBP at 6400'

6450

### Drinkard Completion

6712

6766

### Abo Completion

7092





