



STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

COMMINGLING ORDER PC-733

Petrus Oil Company, L.P.
12377 Merit Drive
Suite 1600
Dallas, TX

Attention: Suzann J. Welch

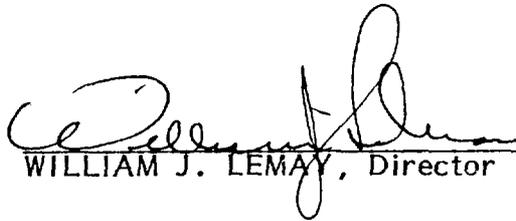
Lease Name: Petrus State Lease No. B-2516

Description: N/2 SE/4 of Section 10, N/2, SE/4, N/2 SW/4 of Section
11, both in Township 17 South, Range 33 East, NMPM,
Lea County, New Mexico.

The above-named company is hereby authorized to commingle Maljamar Grayburg San Andres and Sanmal Queen Pool production in a common tank battery and to determine the production from each pool by separately metering the production from the Sanmal Queen Pool and determining the Maljamar Grayburg San Andres Pool Production by the subtraction method.

NOTE: This installation shall be installed and operated in accordance with the applicable provisions of Rule 303 of the Division Rules and Regulations and the Division "Manual for the Installation and Operation of Commingling Facilities." It is the responsibility of the producer to notify the transporter of this commingling authority.

DONE at Santa Fe, New Mexico, on this 17th day of February, 1988.


WILLIAM J. LEMAY, Director

WJL/DRC/ag

PETRUS OIL COMPANY, L.P.

12377 MERIT DRIVE, SUITE 1600 DALLAS, TEXAS 75251
(214) 788-3300 FACSIMILE (214) 788-3399

February 15, 1988

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

Re: Surface Commingling
Section 11, T17S, R33E
Lea County, New Mexico

Gentlemen:

Petrus respectfully requests an exception to Rule 303-A to permit us to commingle in common facilities the production from our three wells in the Maljamar - Grayburg San Andres Field and our new well in the Sanmal - Queen Field. Petrus owns 100% of the working interest and the Commissioner of Public Lands has a 12.5% royalty interest in both fields. Please find the following attachments in support of our request.

1. Commissioner of Public Lands consent
2. Volume and gravity information
3. Plat of wells and zones of production
4. Facility diagram

Please advise if further information is needed.

Sincerely,

Suzann J. Welch
Suzann J. Welch
Regulatory Coordinator

David
All pools are
separately metered.
Our copy was not
clear on that and
I confirmed
it with Mike
Erwin yesterday.
The new volume
data in this
application.

Petrus has
a frac tank
on site they
would like
to stop renting
and they would
appreciate an
early order on
this.
Thanks Dick

PETRUS OIL COMPANY, L.P.

12377 MERIT DRIVE, SUITE 1600 DALLAS, TEXAS 75251
(214) 788-3300 FACSIMILE (214) 788-3399

February 8, 1988

State of New Mexico
Commissioner of Public Lands
P. O. Box 1148
Santa Fe, NM 87504-1148

Re: Surface Commingling
Section 11, T17S, R33E
Lea County, New Mexico

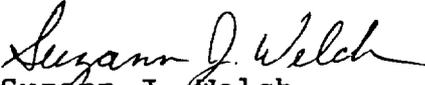
Gentlemen:

Petrus respectfully requests your consent to commingle production from our three wells in the Maljamar-Grayburg San Andres and our new well in the Sanmal (Queen) according to the attached plat. Liquid production will be metered separately and gas production will be split based on monthly testing. Public Lands has a 12.5% royalty in all the wells and Petrus is the 100% working interest owner.

Please indicate your consent below and return in the attached envelope.

Should you require further information, please contact Mike Erwin at 214/788-3364.

Sincerely,


Suzann J. Welch
Regulatory Coordinator

The Commissioner of Public Lands, State of New Mexico, consents to the surface commingling of production from the Petrus Oil Company, L. P. wells in the Maljamar Grayburg San Andres and Sanmal (Queen) Fields.

Title

Date

State of New Mexico



W.R. HUMPHRIES
COMMISSIONER



Commissioner of Public Lands

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

February 16, 1988

Petrus Oil Company, L.P.
ATTN: Ms. Suzann J. Welch
12377 Merit Drive, Suite 1600
Dallas, Texas 75251

Re: Surface Commingling
Sections 10 and 11-17S-33E
Lease No. B-2516
Lea County, New Mexico

Gentlemen:

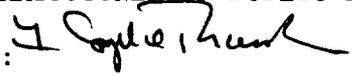
Reference is made to your application dated February 8, 1988, wherein you have requested our approval to surface commingle production from the State D, Well Nos. 1, 2 and 3 with production from the Petrus 11 State Well No. 1 lease. It is our understanding that the State D wells are producing from the Maljamar-Grayburg San Andres field and the Petrus 11 State lease is producing from the Sanmal - Queen Field. All wells are located on State Lease No. B-2516.

Since ownership is common throughout and it appears that there will be no loss of revenue to the State of New Mexico from your proposed operation, the Commissioner of Public Lands has this date approved your request. This approval is given with the understanding that the Commissioner reserves the right to amend or withdraw his approval should this operation prove to be unprofitable to the State at any time in the future.

Enclosed is an approved copy for your files.

Very truly yours,

WILLIAM R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS

BY: 
FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5744

WRH/FOP/pm

encls.

cc: R. L. Staments
OCD-Santa Fe, New Mexico
B-2516-41 and B-2516-44

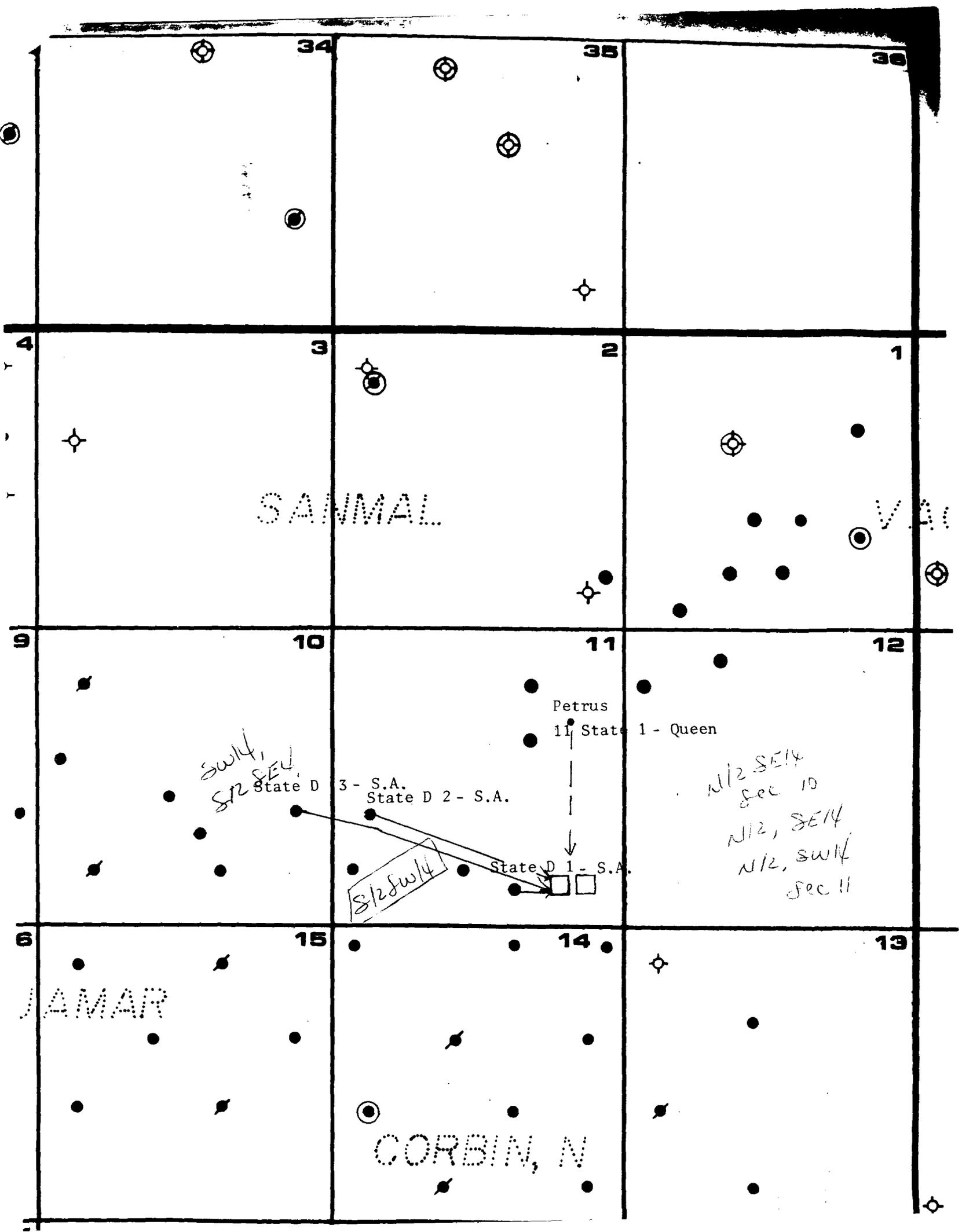
SUPPLEMENTAL INFORMATION

SURFACE COMMINGLING REQUEST
EXCEPTION TO RULE 303-A
SECTION 11, T17S, R33E
LEA COUNTY, NEW MEXICO

Field: Maljamar - Grayburg San Andres
Oil Gravity: 35 degrees API
Monthly Volume: 786 barrels oil
Value: Posted West Texas Intermediate Price
\$16.50 as of 2-15-88

Field: Sanmal - Queen
Oil Gravity: 36 degrees API
Monthly Volume: 3600 barrels oil
Value: Posted West Texas Intermediate Price
\$16.50 as of 2-15-88

Expected Commingled Oil Gravity: 36 degrees API
Expected Commingled Value: \$16.50 as of 02-15-88
Posted West Texas Intermediate Price



SANMAL

SW 1/4,
S 1/2 SE 1/4

State D 3 - S.A.
State D 2 - S.A.

S 1/2 SW 1/4

Petrus
11 State 1 - Queen

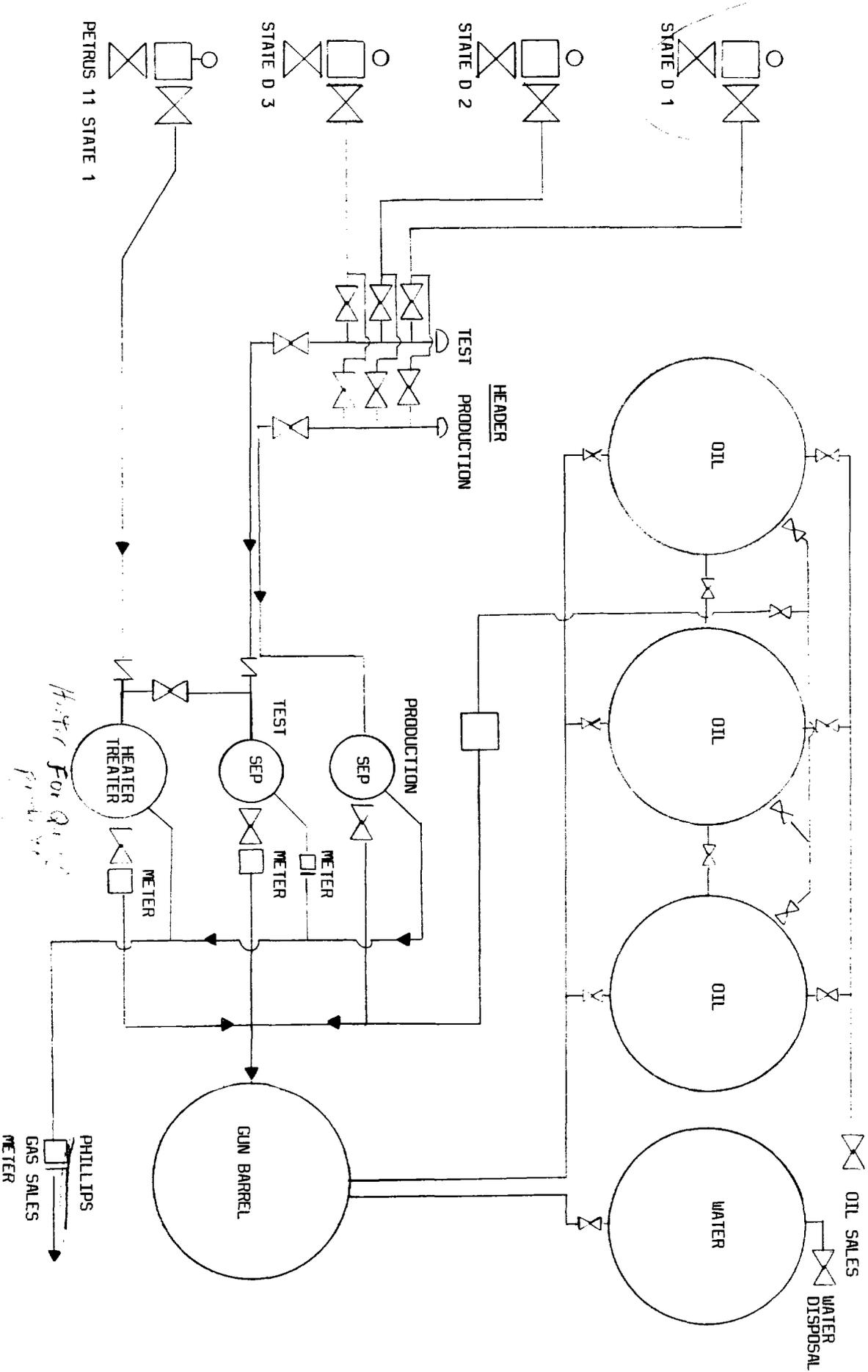
State D 1 - S.A.

N 1/2 SE 1/4
Sec 10
N 1/2, SE 1/4
N 1/2, SW 1/4
Sec 11

JAMAR

CORBIN, N

PETRUS OIL COMPANY, L. P.
MAJAMAR CENTRAL TANK BATTERY
STATE D & PETRUS 11 STATE LEASES
SECTION 11, TOWNSHIP 17S, RANGE 33E
LEA COUNTY, NEW MEXICO



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

Form C-104
Revised 10-01-78
Format 06-01-83
Page 1

NO. OF COPIES RECEIVED		
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TRANSPORTER	OIL	
	GAS	
OPERATOR		
FORMATION OFFICE		

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I.

Operator
Petrus Oil Company, L. P.

Address
12377 Merit Drive, Suite 1600 Dallas, Texas 75251

Reason(s) for filing (Check proper box) Other (Please explain)

New Well Change in Transporter of:
 Recompletion Oil Dry Gas
 Change in Ownership Casinghead Gas Condensate

If change of ownership give name and address of previous owner _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name Petrus 11 State	Well No. 1	Pool Name, including Formation Sanmal - Queen	Kind of Lease State, Federal or Fee State	Lease No.
Location Unit Letter <u>H</u> : <u>1650</u> Feet From The <u>North</u> Line and <u>990</u> Feet From The <u>East</u> Line of Section <u>11</u> Township <u>17S</u> Range <u>33E</u> , NMPM, Lea County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Pride Pipeline Co.	Address (Give address to which approved copy of this form is to be sent) P. O. Box 3237 Abilene, TX 79604
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/> Phillips 66 Natural Gas Co.	Address (Give address to which approved copy of this form is to be sent) 4001 Penbrook, Odessa, TX 79762
If well produces oil or liquids, give location of tanks. Pending 0 11 17S 33E	Is gas actually connected? No When Pending notice of connect

If this production is commingled with that from any other lease or pool, give commingling order number: Pending approval

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

Suzann J. Welch Suzann J. Welch
(Signature)
Regulatory Coordinator
(Title)
February 15, 1988
(Date)

OIL CONSERVATION DIVISION

APPROVED _____, 19____
BY _____
TITLE _____

This form is to be filed in compliance with RULE 1104.
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.
All sections of this form must be filled out completely for allowable on new and recompleted wells.
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.
Separate Forms C-104 must be filed for each pool in multiply completed wells.

IV. COMPLETION DATA

Designate Type of Completion - (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X		X					
Date Spudded 01-17-88	Date Compl. Ready to Prod. 02-08-88		Total Depth 4700			P.B.T.D. 4550			
Elevations (DF, RKB, RT, GR, etc.) 4155.5' GR	Name of Producing Formation Queen		Top Oil/Gas Pay 3760			Tubing Depth 3680			
Perforations 3760-3780'						Depth Casing Shoe 4700			
TUBING, CASING, AND CEMENTING RECORD									
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET			SACKS CEMENT			
12-1/4	8-5/8		1496			600 Lite + 200 Class C			
7-7/8	5-1/2		4700			675 Lite + 450 Class C			
	2-3/8		3680						

V. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks Temporary tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)		
02-08-88	02-14-88	Pumping 2 x 1-1/2 x 12' RHBC		
Length of Test 24 hrs	Tubing Pressure 30	Casing Pressure 30	Choke Size --	
Actual Prod. During Test 120	Oil - Bbls. 120	Water - Bbls. 5	Gas - MCF 200	

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

copy for your info

Form C-105
Revised 10-1-78

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES RECEIVED	
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LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.

1a. TYPE OF WELL
OIL WELL GAS WELL DRY OTHER _____

b. TYPE OF COMPLETION
NEW WELL WORK OVER DEEPEN PLUG BACK DIFF. RESVR. OTHER _____

7. Unit Agreement Name

8. Farm or Lease Name
Petrus 11 State

2. Name of Operator
Petrus Oil Company, L. P.

9. Well No.
1

3. Address of Operator
12377 Merit Drive, Suite 1600; Dallas, Texas 75251

10. Field and Pool, or Wildcat
Sanmal (Queen)

4. Location of Well
UNIT LETTER H LOCATED 1650 FEET FROM THE N LINE AND 990 FEET FROM

12. County
Lea

THE E LINE OF SEC. 11 TWP. 17S RGE. 33E NMPM

15. Date Spudded 1-17-88
16. Date T.D. Reached 1-25-88
17. Date Compl. (Ready to Prod.) 02-08-88
18. Elevations (DF, RKB, RT, GR, etc.) 4155.5 GR 4163.5' KB
19. Elev. Casinghead not recorded

20. Total Depth 4700
21. Plug Back T.D. 4550
22. If Multiple Compl., How Many
23. Intervals Drilled By: Rotary Tools 0-4700 Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name
3760-3780
25. Was Directional Survey Made
No

26. Type Electric and Other Logs Run
LDT/CNL/GR DLL/RXO/GR Cyberlook
27. Was Well Cored
No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8	24	1496	17-1/4	600sx Hal Lite + 200sx CLC	0
5-1/2	17	4700	7-7/8	765sx lite + 450 sx C	0

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8	3680	3680

31. Perforation Record (Interval, size and number)
3760-3780 3-1/8" HSC, 2 spf, 180° phase

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4592-96	1000 gals 15% NEFE; CIBP @ 4550
3760-3780	2000 gals 7.5% NEFE,
	15,000# 20/40; 30,000# 12/20sd
	24,000 gals 30# gel + 15% CO2

33. PRODUCTION

Date First Production 2-8-88
Production Method (Flowing, gas lift, pumping - Size and type pump) PMPG 2 x 1-1/2 x 12 RHBC
Well Status (Prod. or Shut-in) PROD

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
02-14-88	24	--	→	120	200	5	1667
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
30	30	→	120	200	5	36	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)
Vented
Test Witnessed By
Henry Whitman

35. List of Attachments
Deviation Survey, LDT/CNL/GR and DLL/RXO/GR logs

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED Suzanne J. Welch TITLE Regulatory Coordinator DATE 2/15/88

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy <u>1515'</u>	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates <u>2810'</u>	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen <u>3751'</u>	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg <u>4420'</u>	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres <u>4547'</u>	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinbry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from <u>3760'</u> to <u>3780'</u>	No. 4, from _____ to _____
No. 2, from <u>4584'</u> to <u>4596'</u>	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet	_____ feet
No. 2, from _____ to _____ feet	_____ feet
No. 3, from _____ to _____ feet	_____ feet
No. 4, from _____ to _____ feet	_____ feet

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
1515	2620	1105	Rustler Anhydrite				
2620	2810	190	Tansil				
2810	3110	300	Yates				
3110	3750	640	Seven Rivers				
3750	3790	40	Queen				
4420	4550	130	Grayburg				
4550	4700	150	San Andres				