



OIL CONSERVATION DIVISION
RECEIVED

PETROLEUM PRODUCTION MANAGEMENT, INC.

P.O. BOX 957

CROSSROADS, NEW MEXICO 88114

(505) 675-2478

June 6, 1991

State of New Mexico
Energy, Minerals & Natural Resources Dept.
Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504

Petroleum Production Management, Inc.
P.O. Box 957
Crossroads, new Mexico 88114

Re: Downhole Commingling - State 19 No. 1
Wolfcamp (no pool assigned) & Baum Upper Penn
UL "I", Sec. 19, T-13-S, R-33E
Lea County, New Mexico

Dear Sirs:

Petroleum Production Management, Inc. requests administrative approval to commingle downhole production between the Wolfcamp and Baum Upper Penn zones in the above referenced well.

In support of this request, please find enclosed; a plat of the area, Form C-116 for the Wolfcamp, as this is the zone that is currently being produced, and Form C-103 showing the perforations and treatment of this zone. We do not have the treatment of the Upper Penn zone in our records.

As a general rule, the Upper Penn zone would decline at about 13% annually, however, it appears that this is not true after production has dropped to below 20 BOPD. The Wolfcamp has not been produced long enough to determine a decline rate. We believe these two zones should produce about 20 BOPD for a number of years.

The bottom hole pressure of both zones would be less than 50# psi with no possibility of flowing. Production would be achieved by a downhole rod pump.

The oil produced from the Wolfcamp has a gravity of 42.3 and the Upper Penn is 42.1, which makes the fluids very compatible.

We also have enclosed a production record for each zone. From this record we can anticipate oil production of 20 BPD from both zones. Production from the Wolfcamp at 11 BOPD and from the Upper Penn, 9 BOPD. The Wolfcamp would receive 55% and the Upper Penn 45% of the daily production. This record also indicated gas to be approximately 48 Mcf per day, with 24 Mcf per day coming from each zone.

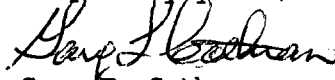
As the Upper Penn has been produced for many years and this is the only Wolfcamp zone being produced in this area, we do not feel that it should be necessary to notify the off-set operators.

The ownership of both zones, including working interest, royalty and overriding royalty, are the same in this well.

Also please find our check in the amount of \$30.00 for the filing fee.

Your consideration and approval of this application will be appreciated. Should additional information be needed, please contact me.

Very truly yours,



Gary T. Cothran
District Superintendent

GTC/ts
Enclosures

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

Form C-116
Revised 1/1/89

OIL CONSERVATION DIVISION

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

GAS - OIL RATIO TEST

Operator		Petroleum Production Management, Inc.				Pool		County				Lea				
Address		Suite 200/Sutton Place Bldg. Wichita, Kansas 67202				Wolfcamp		TYPE OF TEST - (X)		Scheduled ☐		Completion ☐		Special ☒		
LEASE NAME	WELL NO.	U	S	T	R	DATE OF TEST	5 DAYS	CHOKE SIZE	TBQ. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST		GAS - OIL RATIO		
												WATER BBLs.	GRAV. OIL BBLs.	GAS M.C.F.	CU.FT/BBL.	
State 19	1	I	19	13S	33E	6-6-91	P	2"	20	11	24	1	423	11	25	2272

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.

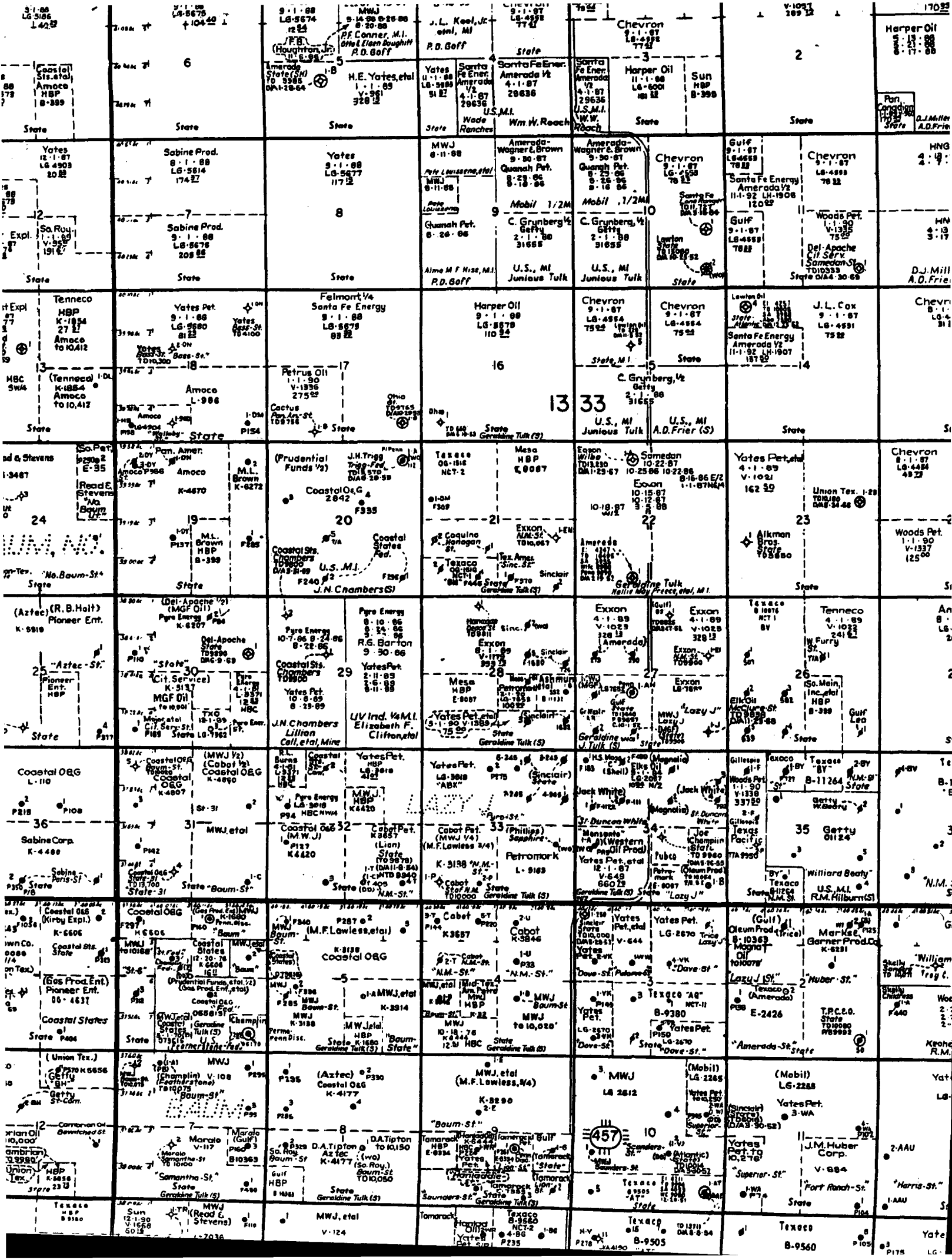
(See Rule 301, Rule 1116 & appropriate pool rules.)

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

Signature Gary T. Cothran

Printed name and title
Gary T. Cothran District Superintendent

Date 6-6-91 Telephone No. 675-2478



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

OIL CONSERVATION DIVISION

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

WELL API NO.

30-025-22765

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

K-6272

B-399-35

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

OIL WELL ☒

GAS WELL ☐

OTHER

2. Name of Operator

Petroleum Production Management, Inc.

3. Address of Operator

Suite 200/Sutton Place Bldg. Wichita, Kansas 67202

7. Lease Name or Unit Agreement Name

State 19

8. Well No.

1

9. Pool name or Wildcat

Wolfcamp

4. Well Location

Unit Letter I : 660 Feet From The East Line and 1980 Feet From The South Line

Section 19 Township 13-S Range 33-E NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

4279' KB

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: Plug back and perforate in Wolfcamp ☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

8-29-90—Moved in and rigged up well service unit.

8-30-90—Pulled out of hole with rods and tubing. Perforated 9369'-9373' with 4 SPF.

8-31-90—Set retrievable bridge plug at 9500'. Acidized with 2000 gallons 20% NE-FE acid.

9-2-90 through 9-7-90—Swabbed well.

9-8-90—Ran tubing and rods. Started well pumping.

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

SIGNATURE Gary T. Cothran

TITLE District Superintendent

DATE 4-23-91

TYPE OR PRINT NAME Gary T. Cothran

TELEPHONE NO 675-2478

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

STATE 19 NO. 1 - UPPER PENN
10-1-88 - 9-1-90

<u>MONTH</u>	<u>OIL</u>	<u>WATER</u>	<u>GAS</u>	<u>AOPD</u>	<u>AWPD</u>	<u>AMCFPD</u>
October 1988	362	31	357	11.7	1	11.5
November	306	30	777	10.2	1	26
December	318	31	803	10.2	1	26
January 1989	331	31	936	10.6	1	30
February	288	28	846	10.3	1	30
March	305	31	803	9.8	1	27
April	293	30	799	9.8	1	27
May	305	31	826	9.8	1	27
June	272	30	799	9.1	1	27
July	315	31	1064	10.1	1	34
August	326	31	1064	10.5	1	34
September	301	30	1029	10.0	1	34
October	295	31	1064	9.5	1	34
November	303	30	1045	10.0	1	35
December	308	31	1147	10.0	1	37
January 1990	314	31	803	10.0	1	26
February	290	28	725	10.3	1	26
March	303	31	826	9.7	1	27
April	290	30	776	9.7	1	26
May	283	31	803	9.1	1	26
June	270	30	718	9.0	1	24
July	280	31	742	9.0	1	24
August	267	31	742	8.6	1	24

STATE 19 NO. 1 - WOLFCAMP
9-8-90 - 5-31-91

September 1990	294	24	432	12.0	1	18
October	367	31	557	12.0	1	18
November	335	30	539	11.0	1	18
December	330	31	558	10.6	1	18
January 1991	246	31	358	8.0	1	12
February	308	28	503	11.0	1	18
March	341	31	541	11.0	1	17
April	330	30	750	11.0	1	25
May	330	31	750	10.6	1	24



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PETROLEUM PRODUCTION MANAGEMENT, INC.

P.O. BOX 957

CROSSROADS, NEW MEXICO 88114

(505) 675-2478

July 17, 1991

State of New Mexico
Energy, Minerals & Natural Resources Dept.
Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Attention: David Catanach

Re: Commingle State 19 No. 1
UL "I", Sec. 19, T-13-S, R-33-E
Lea County, New Mexico

Dear Mr. Catanach:

Enclosed, please find a copy of our letter notifying the two off-set operators of our intention to commingle the production in the above captioned well.

Yours truly,

Gary T. Cothran
District Superintendent

GTC/ts
Enclosures



PETROLEUM PRODUCTION MANAGEMENT, INC.

P.O. BOX 957

CROSSROADS, NEW MEXICO 88114

(505) 675-2478

July 17, 1991

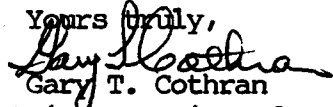
Elk Oil Company
P.O. Box 310
Roswell, New Mexico 88202

Re: State 19 No. 1
Sec. 19, T-13-S, R-33-E
Lea County, New Mexico

Gentlemen:

We have made an application with the New Mexico Oil Conservation Commission and Commissioner of Public Lands for permission to commingle the down hole production from the Upper Penn and Wolfcamp zone in the above captioned well.

The New Mexico Oil Conservation Commission requires that all off set operators be notified of our intent to commingle this wells production. Please accept this letter as your notification.

Yours truly,

Gary T. Cothran
District Superintendent

GTC/ts



PETROLEUM PRODUCTION MANAGEMENT, INC.

P.O. BOX 957

CROSSROADS, NEW MEXICO 88114

(505) 675-2478

July 17, 1991

Coastal Oil and Gas Corporation
P.O. Box 235
Midland, Texas 79702

Re: State 19 No. 1
Sec. 19, T-13-S, R-33-E
Lea County, New Mexico

Gentlemen:

We have made an application with the New Mexico Oil Conservation Commission and Commissioner of Public Lands for permission to commingle the down hole production from the Upper Penn and Wolfcamp zone in the above captioned well.

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Yours truly,

Gary T. Cothran
District Superintendent

GTC/ts



STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

RECEIVED

OIL CONSERVATION DIVISION

HOBBS DISTRICT OFFICE

'91 JUN 14 AM 9 23

6-11-91

BRUCE KING
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

RE: Proposed:

MC _____
DHC X _____
NSL _____
NSP _____
SWD _____
WFX _____
PMX _____

Gentlemen:

I have examined the application for the:

Petroleum Production Management, Inc. State 19 # 1-I 19-13-33
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

OK

Yours very truly,

Jerry Sexton
Supervisor, District 1

/ed