

DATE IN

2/16/99

SUSPENSE

3/8/99

ENGINEER

DC

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DHC

ABOVE THIS LINE FOR DIVISION USE ONLY

## NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

2008

## ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

## Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]  
 [DD-Directional Drilling] [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-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

## [1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Directional Drilling

☐ NSL ☐ NSP ☐ DD ☐ SD

Check One Only for [B] and [C]

[B] Commingling - Storage - Measurement

☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

FEB 16 1999

[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] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Kay Maddox

Print or Type Name

Signature

Kay Maddox

Regulatory Agent

Title

Date

2/11/99

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88241 1980

DISTRICT II  
811 South First St. Artesia NM 88210 2835

DISTRICT III  
1000 Rio Brazos Rd. Aztec, NM 87410 1693

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S. Pacheco  
Santa Fe, New Mexico 87505-6429

Form C-107-A  
New 3-12-96

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Conoco Inc.

10 Desta Dr. Ste 100W, Midland, Tx. 79705-4500

Operator

Address

San Juan 28-7 Unit

# 130

Section 2, T-27-N, R-7-W, L

Rio Arriba

Lease

Well No

Unit Ltr Sec Twp Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 005073 Property Code 016608 API NO. 30-039-07180 Federal ☐ State ☒ (and/or) Fee ☐

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Blanco Mesaverde 72319		Basin Dakota 71599
2. TOP and Bottom of Pay Section (Perforations)	Estimated 4266-5086'		6893-7076'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	To flow		Flowing
5. Bottomhole Pressure	a. (Current)	a.	a.
Oil Zones - Artificial Lift: Estimated Current	457		751
Gas & Oil - Flowing: Measured Current	b.(Original)	b.	b.
All Gas Zones: Estimated Or Measured Original	1230		2946
6. Oil Gravity (°API) or Gas BT Content	1259		1212
7. Producing or Shut-In?	To be completed		Producing
Production Marginal? (yes or no)	Expected Yes		Yes
• If Shut-In give date and oil/gas/water rates of last production	Date Rates	Date Rates	Date Rates
Note For new zones with no production history applicant should be required to attach production estimates and supporting data			
• If Producing, date and oil/gas/water rates of recent test (within 60 days)	Date Rates	Date Rates	Date Rates
	Production allocated by subtraction - See attached chart		1/99 104 MCFD
8. Fixed Percentage Allocation Formula - % or each zone	oil: % Gas %	oil: % Gas %	oil: % Gas %

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.

10. Are all working, overriding, and royalty interests identical in all commingled zones? ☒ Yes ☐ No  
If not, have all working, overriding, and royalty interests been notified by certified mail? ☒ Yes ☐ No  
Have all offset operators been given written notice of the proposed downhole commingling? ☒ Yes ☐ No

11. Will cross-flow occur? ☒ Yes ☐ No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. ☒ Yes ☐ No (If No, attach explanation)

12. Are all produced fluids from all commingled zones compatible with each others ☒ Yes ☐ No

13. Will the value of production be decreased by commingling? ☐ Yes ☒ No (If Yes, attach explanation)

14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. ☒ Yes ☐ No

15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S). R-10476 - B

16. ATTACHMENTS

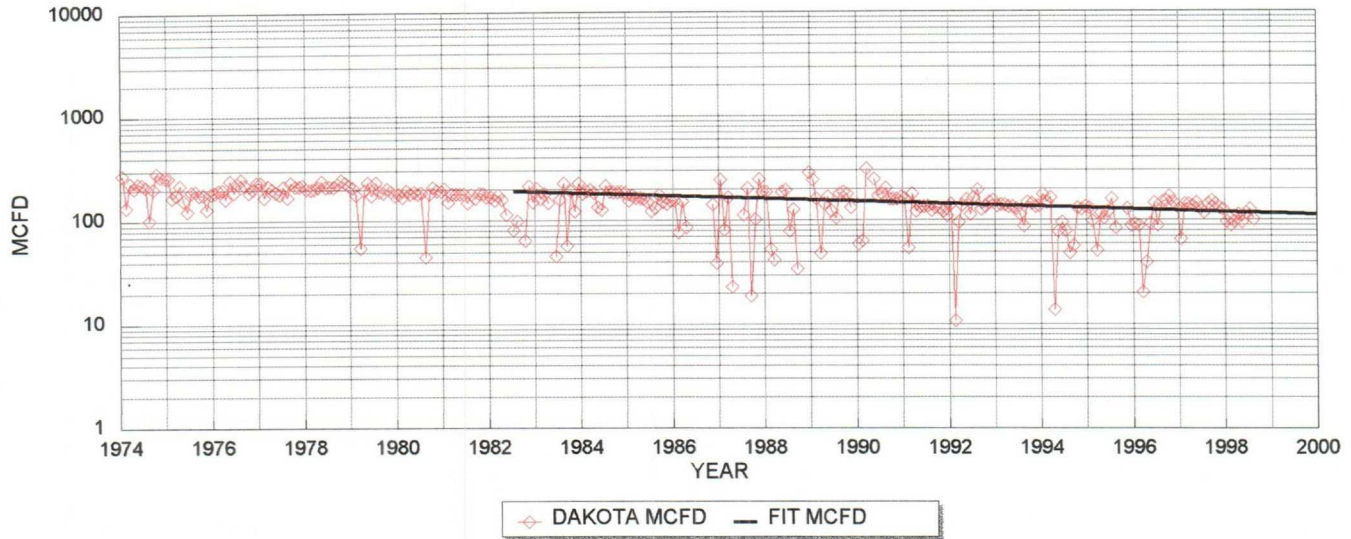
- \* C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- \* Production curve for each zone for at least one year. (If not available, attach explanation.)
- \* For zones with no production history, estimated production rates and supporting data.
- \* Data to support allocation method or formula.
- \* Notification list of all offset operators.
- \* Notification list of working, overriding and royalty interests for uncommon interest cases.
- \* Any additional statements, data, or documents required to support commingling.

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

SIGNATURE Kay Maddox TITLE Regulatory Agent DATE February 11, 1999

TYPE OR PRINT NAME Kay Maddox TELEPHONE NO. (915) 686-5798

**SAN JUAN 28 7 UNIT #130 DAKOTA PRODUCTION  
SECTION 2L-27N-07W**



**DAKOTA HISTORICAL DATA: 1ST PROD: 11/62**

OIL CUM: 18.97 MBO  
 GAS CUM: 2453.0 MMCF  
 CUM OIL YIELD: 0.0077 BBL/MCF  
 OIL YIELD: 0.0053 BBL/MCF, LAST 3 YRS  
 AVG. USED: 0.0065 BBL/MCF

**DAKOTA PROJECTED DATA**

1/1/99 Qi: 116 MCFD  
 DECLINE RATE: 3.0% (EXPONENTIAL)

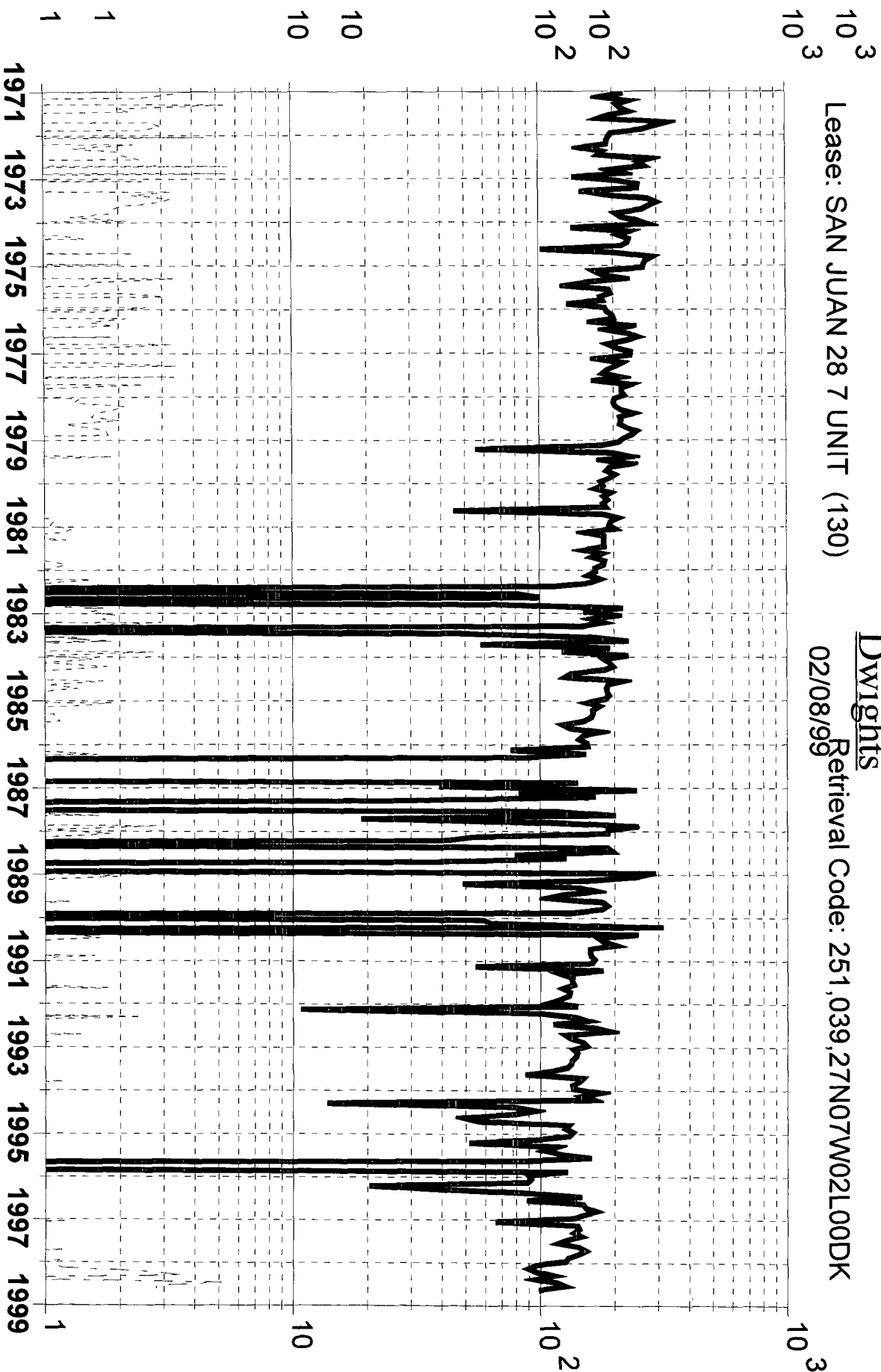
YEAR	MID-YEAR	MID-YEAR
	AVG. MCFD	AVG. BOPD
1999	114.2	0.7
2000	110.7	0.7
2001	107.4	0.7
2002	104.2	0.7
2003	101.1	0.7
2004	98.0	0.6
2005	95.1	0.6
2006	92.2	0.6
2007	89.5	0.6
2008	86.8	0.6
2009	84.2	0.6
2010	81.7	0.5
2011	79.2	0.5
2012	76.8	0.5
2013	74.5	0.5
2014	72.3	0.5
2015	70.1	0.5
2016	68.0	0.4
2017	66.0	0.4
2018	64.0	0.4
2019	62.1	0.4
2020	60.2	0.4
2021	58.4	0.4
2022	56.7	0.4
2023	55.0	0.4
2024	53.3	0.3
2025	51.7	0.3
2026	50.2	0.3
2027	48.7	0.3
2028	47.2	0.3
2029	45.8	0.3
2030	44.4	0.3
2031	43.1	0.3
2032	41.8	0.3
2033	40.5	0.3

**PRODUCTION FORECAST FOR SUBTRACTION METHOD COMMINGLE ALLOCATION**

Dwights

Lease: SAN JUAN 28 7 UNIT (130)

Retrieval Code: 251,039,27N07W02L00DK  
02/08/99



Gas (mcf/day)

Water (bbl/day)

County: RIO ARRIBA, NM

Field: BASIN (DAKOTA) DK

Reservoir: DAKOTA

Operator: CONOCO INC

F.P. Date: 11/62

Oil Cum: 18.97 mbbl

Gas Cum: 2453 mmcf

Location: 2L 27N 7W

Oil (bbl/day)

# W MEXICO OIL CONSERVATION COMMISSION

## Well Location and Acreage Dedication Plat

Section A.

Date **SEPTEMBER 6, 1962**

Operator **EL PASO NATURAL GAS COMPANY** Lease **SAN JUAN 28-7 UNIT** E-290-28  
 Well No. **130** Unit Letter **L** Section **2** Township **27-N** Range **7-W** NMPM  
 Located **1668** Feet From **SOUTH** Line, **800** Feet From **WEST** Line  
 County **RIO ARriba** G. L. Elevation **6165** Dedicated Acreage **328 318.96** Acres  
 Name of Producing Formation **DAKOTA** Pool **BASIN DAKOTA**

- Is the Operator the only owner in the dedicated acreage outlined on the plat below?  
 Yes ☒ No ☐
- 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.
- If the answer to question two is "no", list all the owners and their respective interests below:

Owner

Land Description

Section B.

This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

**El Paso Natural Gas Company**

(Operator)

**ORIGINAL SIGNLD H.E. McANALLY**

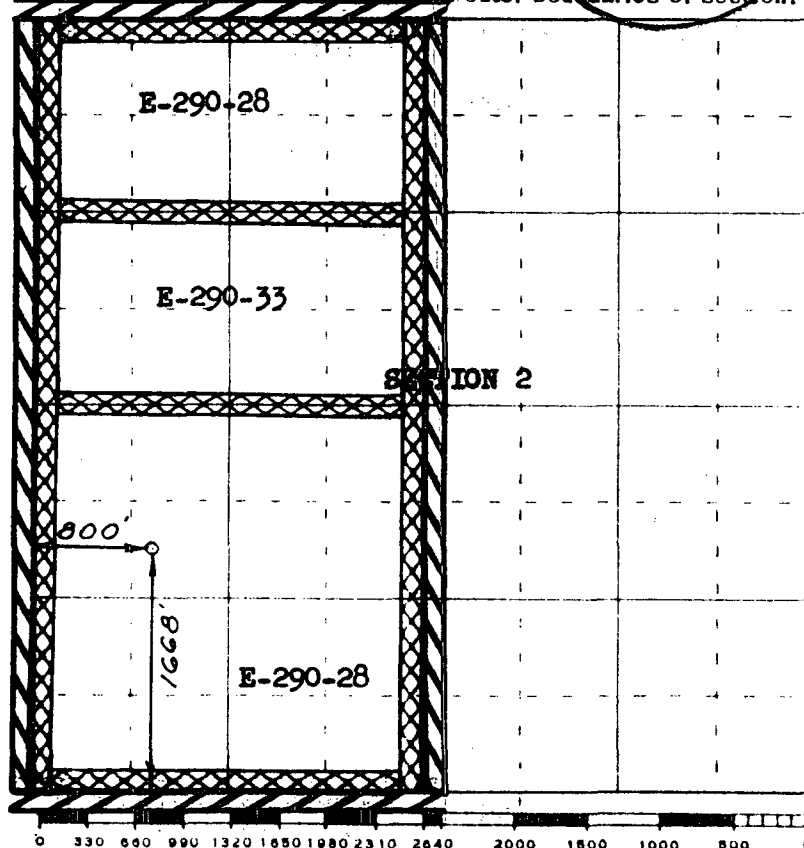
(Representative)

**Box 990**

(Address)

**Farmington, New Mexico**

Note: All distances must be from outer boundaries of section.



Scale 4 inches equal 1 mile

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

(Seal)

Date Surveyed

**AUGUST 28, 1962**

Farmington, New Mexico

*David O. Silver*  
 Registered Professional Engineer and/or Land Surveyor

District I  
PO Box 1980, Hobbs, NM 88241-1980

District II  
PO Drawer DD, Artesia, NM 88211-0719

District III  
1000 Rio Brazos Rd. Aztec, NM 87410

District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-102

Revised February 21, 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

API Number 30-039-07180	2 Pool Code 72319	3 Pool Name Blanco Mesaverde
4 Property Code 016608	5 Property Name San Juan 28-7 Unit	6 Well Number # 130
7 OGRID No. 005073	8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500	9 Elevation 6165'

10 Surface Location

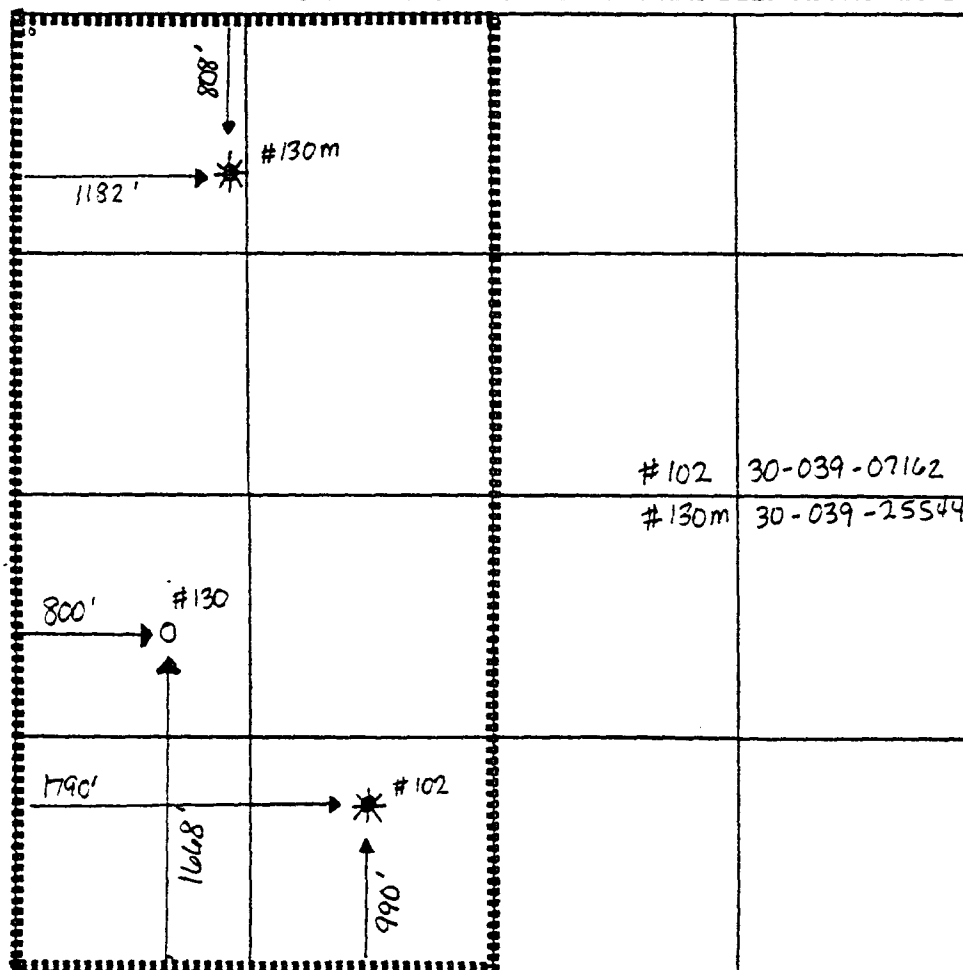
UL or lat no. L	Section 2	Township 27N	Range 7W	Lot Idn	Feet from the 1668'	North/South line South	Feet from the 800'	East/West line West	County Rio Arriba
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11 Bottom Hole Location If Different From Surface

UL or lat no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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12 Dedicated Acres 320	13 Joint or Infill	14 Consolidation Code	15 Order No. R-10987-A
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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 hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

*Kay Maddox*  
Signature  
Kay Maddox

Printed Name  
Regulatory Agent

Title  
February 4, 1999

Date

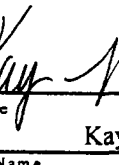
18 SURVEYOR CERTIFICATION

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 belief.

Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number

<b>17 OPERATOR CERTIFICATION</b>	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief	
	
Signature	Kay Maddox
Printed Name	
Regulatory Agent	
Title	January 28, 1999
Date	
<b>18 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.	
Date of Survey	
Signature and Seal of Professional Surveyor:	
Certificate Number	

February 11, 1999

RE: Notification of Offset Operators of C-107A Application  
San Juan 28-7 Unit Well # 130

Conoco Inc is the sole operator of the San Juan 28-7 Unit. This well does not encroach on any outside unit boundary lines therefore there are no offset operators that require notification.



# NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

NUMBER OF COPIES RECEIVED	
SANTA FE	
FILE	
U.S.S.	
LAND OFFICE	
TRANSPORTER	
PRODUCTION OFFICE	
OPERATOR	

## WELL RECORD


Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in **QUINTUPLICATE** If State Land submit 5 Copies

AREA 640 ACRES  
LOCATE WELL CORRECTLY

El Paso Natural Gas Company San Juan 28-7 Unit  
(Company or Operator) (Lease)

Well No. 130 in NW  $\frac{1}{4}$  of SW  $\frac{1}{4}$  of Sec. 2, T. 27-N, R. 7-W, NMPM.  
Basin Dakota Pool, Rio Arriba County.

Well is 1668 feet from South line and 800 feet from West line  
of Section 2. If State Land the Oil and Gas Lease No. is E-290-33

Drilling Commenced 9-13, 1962. Drilling was Completed 10-3, 1962

Name of Drilling Contractor Pico Drilling Company

Address.....

Elevation above sea level at Top of Tubing Head 6165 G. The information given is to be kept confidential until  
19    

### OIL SANDS OR ZONES

No. 1, from 6998 to 7213 (G) No. 4, from      to     

No. 2, from 7113 to 7282 (G) 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.

No. 2, from      to      feet.

No. 3, from      to      feet.

No. 4, from      to      feet.

### CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
10 3/4"	28.4	New	283	HOWCO			Surface
4 1/2"	11.6-10.5	New	7298	Baker			Production casing
2 3/8"	4.7	New	7215	Baker			Prod tubing

### MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
	10 3/4"	298	232	circulated		
	4 1/2"	7309	725	3 stage		

### RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

7044-48;7064-68 (3 SPF);7159-71(1 SPF);7191-95(3 SPF);7214-20(2 SPF); Frac w/80,000 gallons water, 75,000# sand. Flush 5000 gallons water, I.R. 25 BPM, Max pr 4000#, BDP 2500#, tr pt. 3200-3900#. 4 drops of 12 balls.

Result of Production Stimulation A.O.F. 3188 MCF/D

Depth Cleaned Out 7267