

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

State of New Mexico
 Energy, Minerals and Natural Resources Department

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

DISTRICT II
 811 South First St. Artesia NM 88210 2835

OIL CONSERVATION DIVISION

APPROVAL PROCESS:
 Administrative Hearing

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

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

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

158E

Section 23, T-28-N, R-7-W, P

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.

30-039-23746

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 4990-5810'		7606-7793'
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	1216		1164
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 Note For new zones with no production history applicant shall 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	Date Rates	1/99 59 MCFD
8. Fixed Percentage Allocation Formula - % for 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

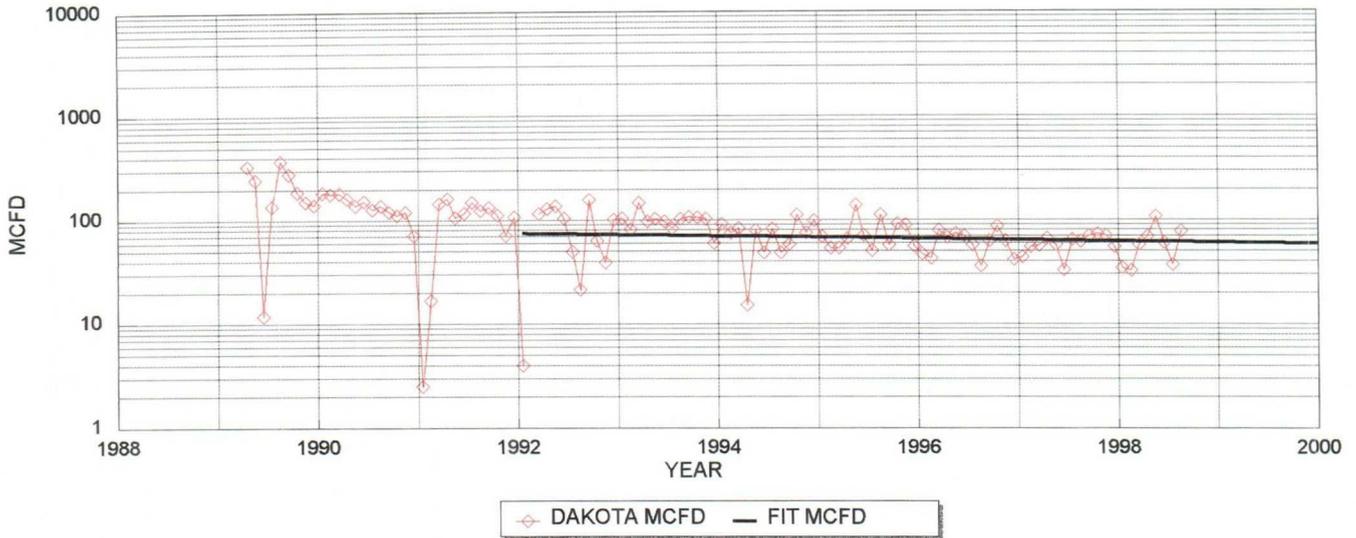
- * C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- * Production curve for each zone for at least one year. (If not available, attach explanation.)
- * For zones with no production history, estimated production rates and supporting data.
- * Data to support allocation 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 #158E DAKOTA PRODUCTION
SECTION 23P-287N-07W**



DAKOTA HISTORICAL DATA:		1ST PROD: 12/88		DAKOTA PROJECTED DATA	
OIL CUM:	0.60	MBO		1/1/99 Qi:	60 MCFD
GAS CUM:	322.1	MMCF		DECLINE RATE:	3.0% (EXPONENTIAL)
CUM OIL YIELD:	0.0018	BBL/MCF			
OIL YIELD:	0.0011	BBL/MCF, LAST 3 YRS			
AVG. USED:	0.0015	BBL/MCF			

YEAR	MID-YEAR	MID-YEAR
	AVG. MCFD	AVG. BOPD
1999	59.4	0.1
2000	57.7	0.1
2001	55.9	0.1
2002	54.2	0.1
2003	52.6	0.1
2004	51.0	0.1
2005	49.5	0.1
2006	48.0	0.1
2007	46.6	0.1
2008	45.2	0.1
2009	43.8	0.1
2010	42.5	0.1
2011	41.2	0.1
2012	40.0	0.1
2013	38.8	0.1
2014	37.6	0.1
2015	36.5	0.1
2016	35.4	0.1
2017	34.4	0.1
2018	33.3	0.0
2019	32.3	0.0
2020	31.4	0.0
2021	30.4	0.0
2022	29.5	0.0
2023	28.6	0.0
2024	27.8	0.0
2025	26.9	0.0
2026	26.1	0.0
2027	25.3	0.0
2028	24.6	0.0
2029	23.8	0.0
2030	23.1	0.0
2031	22.4	0.0
2032	21.8	0.0
2033	21.1	0.0

PRODUCTION FORECAST FOR SUBTRACTION METHOD COMMINGLE ALLOCATION

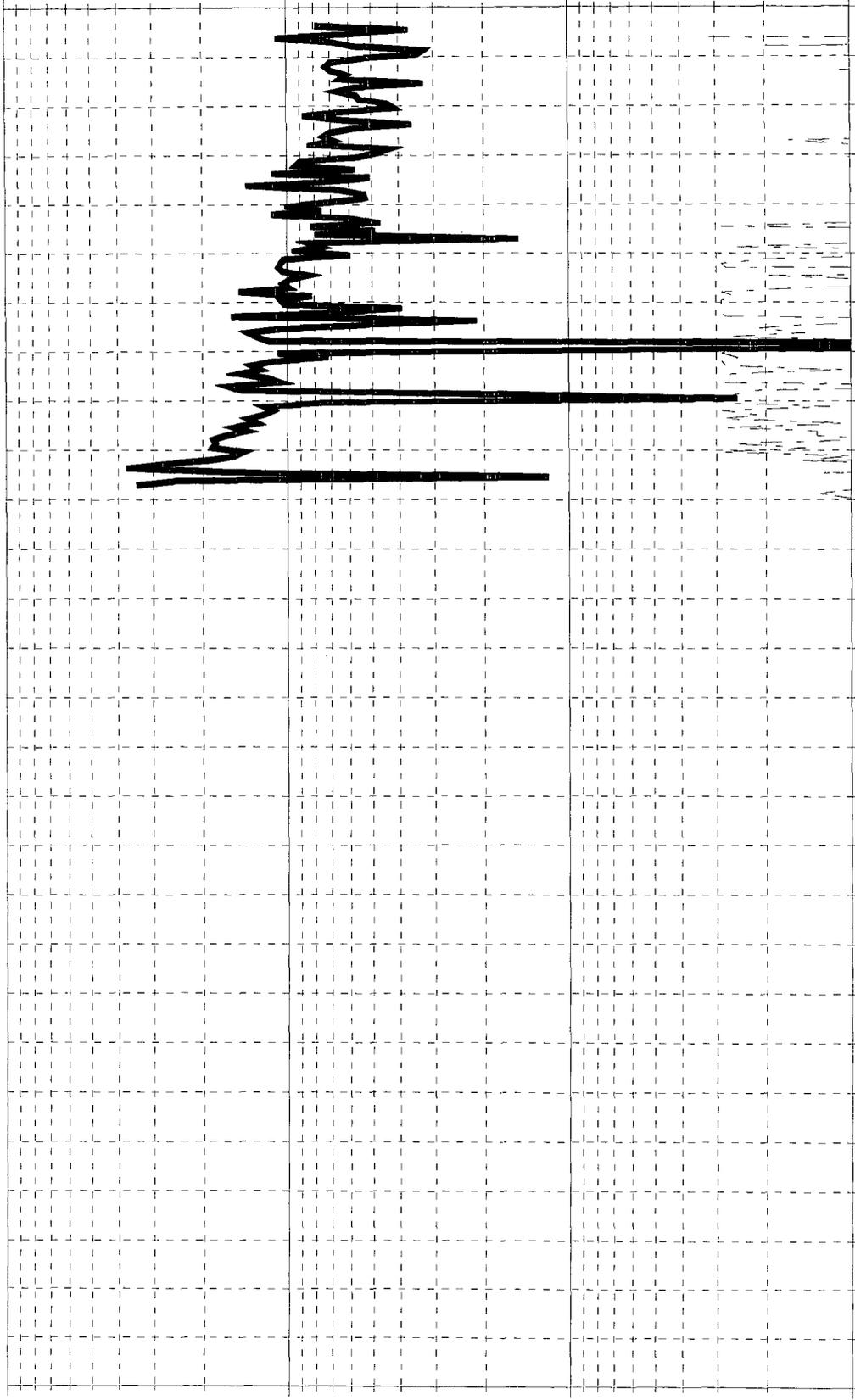
Dwights

Lease: SAN JUAN 28 7 UNIT (158E)

Retrieval Code: 251,039,28N07W23P00DK

02/08/99

10³
10³



1971 1973 1975 1977 1979 1981 1983 1985 1987 1989 1991 1993 1995 1997 1999

Gas (mcf/day)	County: RIO ARRIBA, NM	F.P. Date: 12/88
Water (bbl/day)	Field: BASIN (DAKOTA) DK	Oil Cum: 595 bbl
	Reservoir: DAKOTA	Gas Cum: 322.1 mmcf
	Operator: CONOCO INC	Location: 23P 28N 7W

Oil (bbl/day)

**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.

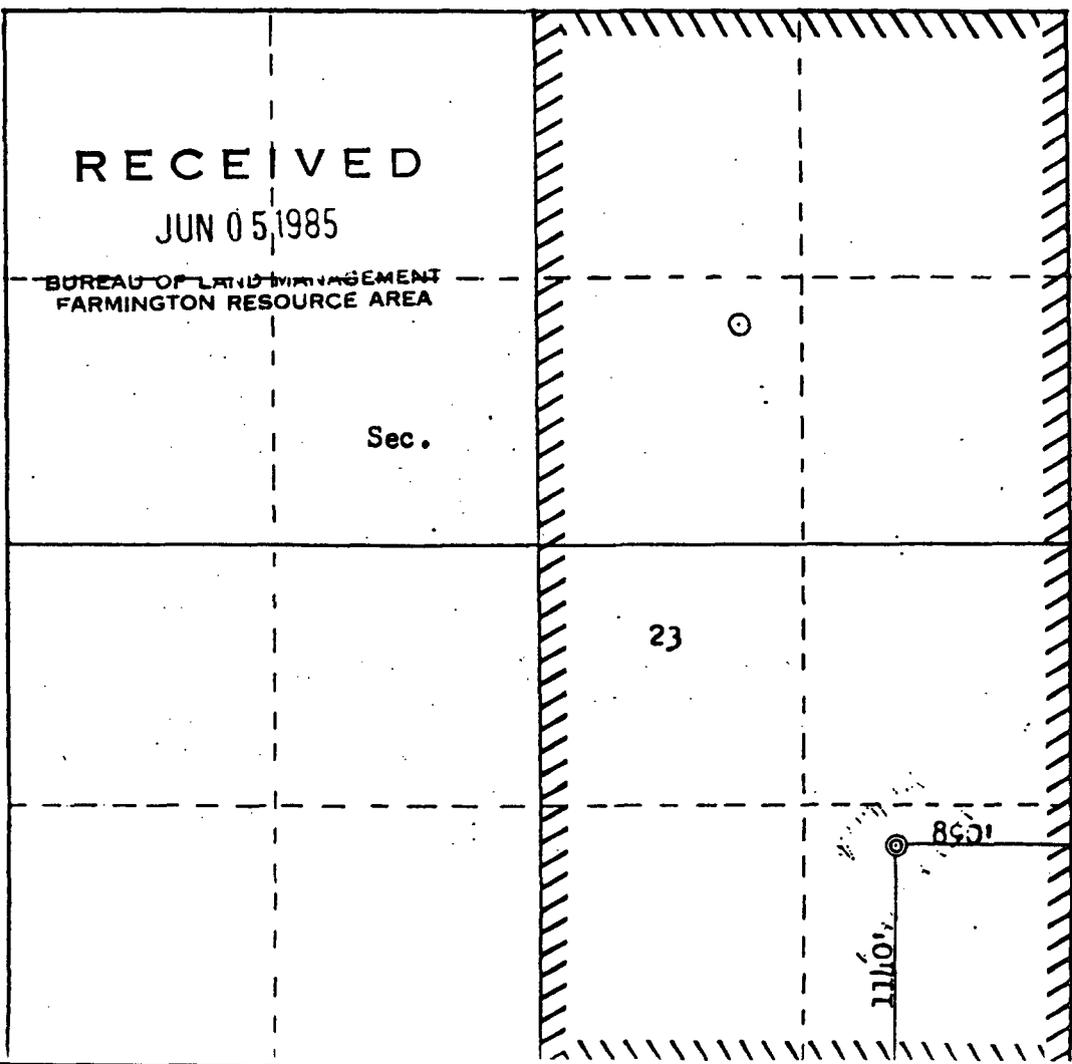
Operator EL PASO NATURAL GAS COMPANY			Lease SAN JUAN 28-7 UNIT (SF 079290A)		Well No. 158E
Unit Letter P	Section 23	Township 28N	Range 7W	County Rio Arriba	
Actual Footage Location of Well: 1140 feet from the South line and 890 feet from the East line					
Ground Level Elev: 6644	Producing Formation Dakota		Pool Basin		Dedicated Acreage: 320 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.

Peggy L. Deak
Name
Drilling Clerk
Position
El Paso Natural Gas Co.
Company
June 4, 1985
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
May 13, 1985
Registered Professional Engineer and Land Surveyor
Fred S. Kerr Jr.
Fred S. Kerr Jr.

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Revised February 21, 1994
instructions on back

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

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

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

District III
1000 Rio Brazos Rd. Aztec, NM 87410

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-23746		2 Pool Code 72319		3 Pool Name Blanco Mesaverde	
4 Property Code 016608		5 Property Name San Juan 28-7 Unit			6 Well Number # 158E
7 OGRID No. 005073		8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation 6644'

10 Surface Location

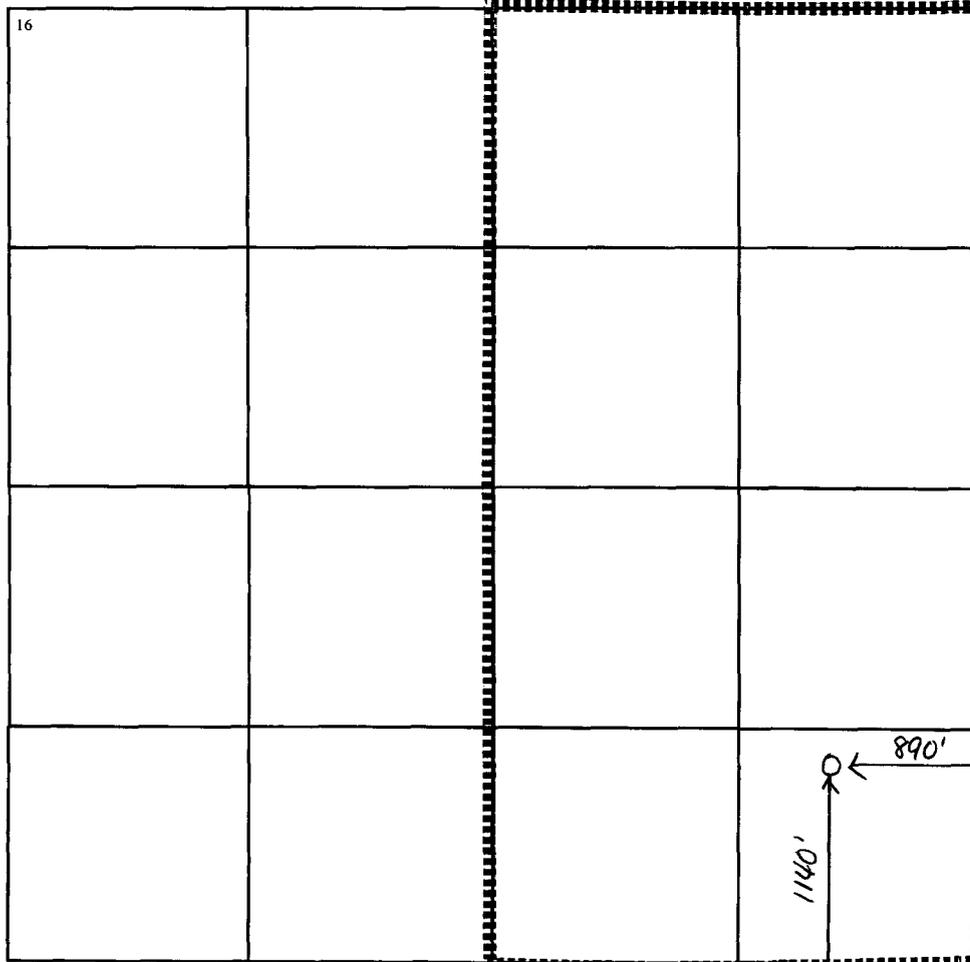
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	23	28N	7W		1140	South	890	East	Rio Arriba

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 320	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 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

January 28, 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

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Energy, Minerals & Natural Resources Department

Revised February 21, 1994
instructions on back

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AMENDED REPORT

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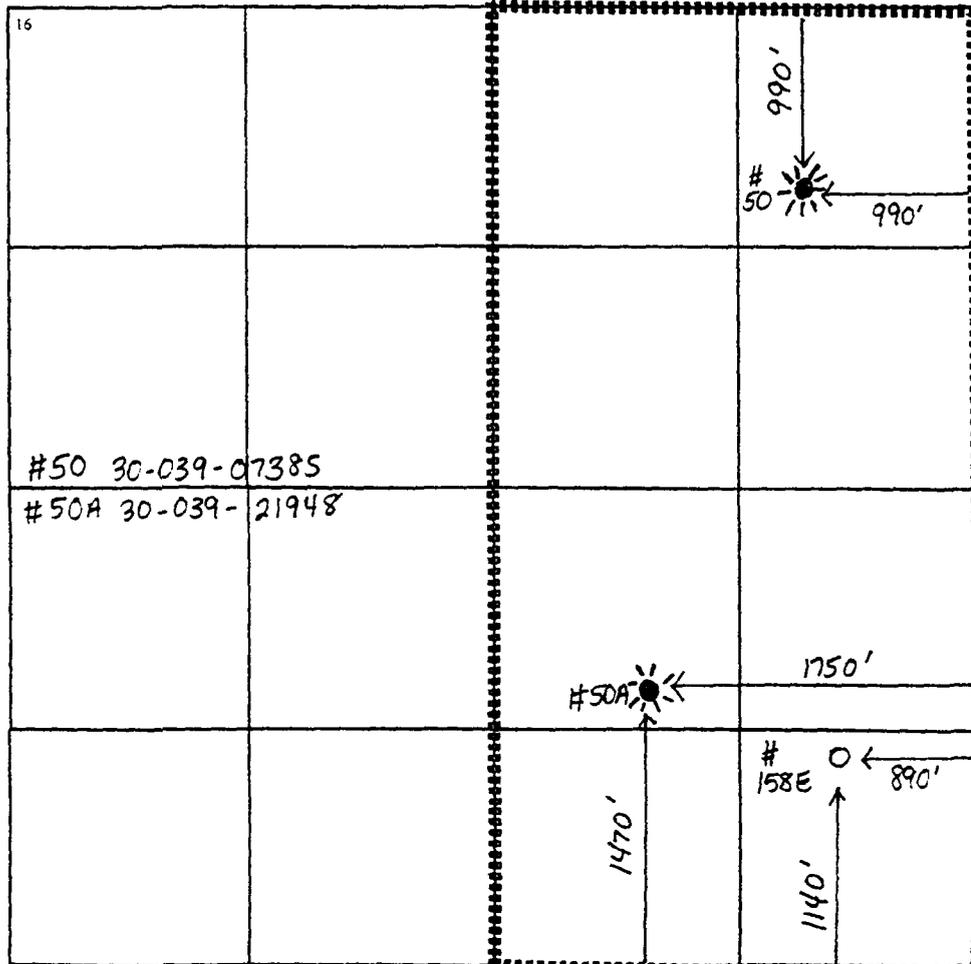
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	23	28N	7W		1140'	South	890'	East	Rio Arriba

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 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

Signature: *Kay Maddox*
Printed Name: Kay Maddox
Title: Regulatory Agent
Date: February 8, 1999

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:

February 11, 1999

RE: Notification of Offset Operators of C-107A Application
San Juan 28-7 Unit Well # 158E

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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR
El Paso Natural Gas Company

3. ADDRESS OF OPERATOR
P. O. Box 4289, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1140'S, 890'E

Et top prod. interval reported below

At total depth

RECEIVED

SEP 27 1985

Unit P

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

14. PERMIT NO. _____

5. LEASE DESIGNATION AND SERIAL NO.

SF 079290A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

San Juan 28-7 Unit

8. FARM OR LEASE NAME

San Juan 28-7 Unit

9. WELL NO.

158E

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 23, T-28-N, R-7-W
NMPM

12. COUNTY OR PARISH

Rio Arriba

13. STATE

NM

15. DATE SPUNDED 7-9-85 18. DATE T.D. REACHED 7-19-85 17. DATE COMPL. (Ready to prod.) 9-24-85 19. ELEVATIONS (DF, RKB, RT, GB, ETC.)* 6644' GL 20. ELEV. CASINGHEAD 6644'

20. TOTAL DEPTH, MD & TVD 7810' 21. PLUG, BACK T.D., MD & TVD 7752* 7795 22. IF MULTIPLE COMPL., HOW MANY* One 23. INTERVALS DRILLED BY Rotary 24. ROTARY TOOLS No

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 7606-7793' (Basin Dakota) 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN GR-C-Log; Ind. GR-Log; Comp. Density Comp. Neutron Log; Temp Surveys 27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36.0#	228'	12 1/4"	130 cu ft	
7"	20.0#	3680'	8 3/4"	356 cu ft	
4 1/2"	10.5&11.6#	7810'	6 1/4"	643 cu ft	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1 1/2"	7760'	

31. PERFORATION RECORD (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
7606, 7609, 7615, 7623, 7626, 7648, 7693, 7715, 7717, 7719, 7721, 7723, 7725, 7727, 7729, 7731, 7785, 7787, 7790, 7793 w/20 SPZ	DEPTH INTERVAL (MD) 7606-7793 AMOUNT AND KIND OF MATERIAL USED 120,000# 20/40 sand&93,526 gals fluid.

33. PRODUCTION
DATE FIRST PRODUCTION 8-28-85 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Shut in

DATE OF TEST 9-24-85 HOURS TESTED 3 Hrs. CHOKE SIZE 3/4" PROD'N. FOR TEST PERIOD 0 OIL—BBL. 0 GAS—MCF. 311 MCF WATER—BBL. 0 GAS-OIL RATIO 0

FLOW. TUBING PRESS. SI 2234 CASING PRESSURE SI 2246 CALCULATED 24-HOUR RATE 0 OIL—BBL. 0 GAS—MCF. 1785 WATER—BBL. 0 OIL GRAVITY-API (CORR.) 0

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Shut in to be Sold TEST WITNESSED BY W. D. Paul ACCEPTED FOR RECORD

35. LIST OF ATTACHMENTS
Temp Surveys

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records 1985
SIGNED *[Signature]* TITLE Drilling Clerk DATE 9-26-85 FARMINGTON RESOURCE AREA

*(See Instructions and Spaces for Additional Data on Reverse Side)

OPERATOR

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.