

LOCATION: San Juan 28-7 # 134 RCRA EXEMPT
PIT TYPE: B P RELIEF WASTES: Yes ☒ No ☐
S-21, T-28N, R-7W, Unit-K
DATE FLOW TO PIT STOPPED: 7/27/95

TYPE REPLACEMENT PIT: ☐ NONE ☐ BACKFILLED - BELOW GROUND ☒ ABOVE GROUND
ACREAGE
TYPE: ☒ FEDERAL ☐ JICARILLA ☐ NAVAHO ☐ STATE ☐ FEE

SITE ASSESSMENT

1) Groundwater Depth: ESTIMATE < 50' Ranking Score
Basis: ELEVATION FROM WASH 20
2) Wellhead Protection Area:
Distance To
Water Sources: > 1000' Private Domestic Water Sources: ± 200'
Basis: CARRIZO WASH DOMESTIC USE ± 200' SOUTH 20
3) Distance To Surface Body of Water: < 1000'
Basis: CARRIZO WASH ACTUAL ± 200' 20
Total Score: 60

Soil Characteristic

☐ Highly Contaminated/Saturated

☒ Unsatuated Contaminated

RANKING CRITERIA

GUIDELINE REMEDIATION LEVELS

Depth to Groundwater	Wellhead Protection Area	Distance to Surface Water Body
	< 1000' from water sources or < 200' from private domestic water sources	
Score	Score	Rank
< 50 ft 20	yes 20	< 200' horis 20
< 50 - 99 10	no 0	200 - 1000' horis 10
> 100 ft 0		> 1000' horis 0

Total Ranking Score			
	> 19	10 - 19	0 - 9
Benzene (ppm)	10	10	10
BTEX (ppm)	50	50	50
Field Headspaces			
Method for BTEX	100	100	100
TPH (ppm) **	100	1,000	5,000

** Concentration above background

DEFINITION OF CONTAMINATION

Date: 7/27/95

Depth Excavated: 20x20x10' BGS

Full Excavation: ☒ Maximum Extent Practicable 10' BGS

ALL SAMPLE RESULTS ARE SHOWN ON "SAMPLE RESULTS NOTES" FORM

Groundwater Encountered: Yes ☐ No ☒

If yes, approximate depth: _____

Groundwater Sampling? ☐ Yes ☒ No

Where was gw sample taken? _____

Attach GW Sample Results _____

NOTES:

Denny E. Faust
DEPUTY OIL & GAS INSPECTOR

JUN 11 8 1996

RECEIVED
MAR 18 1996
OIL CON. DIV.
DIST. 3

NOTES:

RPR 8

8/4/95 Soil Aerated & turned w/ boxblade

8/7/95 Took 5 pt composite sample of landformed soil

CVM = 0.7 ppm @ 64". Sent sample to lab for TP

8/14/95 Received TPH results from lab (TPH = ND) on the
RPR Landformed soil.

- Knocked down trees & then spread landformed soil
on the well pad

PIT CLOSURE DOCUMENTATION - SAMPLING RESULTS NOTES *Conoco Inc.*

LOCATION OF PIT *San Juan 28-7 #134* TYPE OF PIT: *BPR*

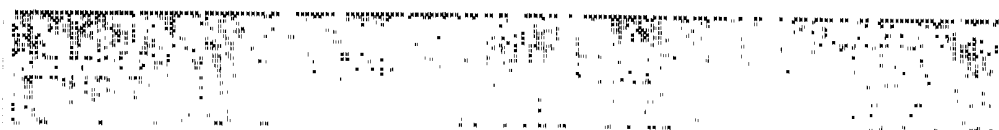
DESCRIPTION OF SAMPLE	SAMPLE EVENT # 1	SAMPLE EVENT # 2	SAMPLE EVENT # 3	SAMPLE EVENT # 4	SAMPLE EVENT # 5	SAMPLE EVENT # 6	SAMPLE EVENT #	SAMPLE EVENT #
DATE OF SAMPLE	<i>6/14/95</i>	<i>6/14/95</i>	<i>7/27/95</i>	<i>7/27/95</i>	<i>8/2/95</i>	<i>8/7/95</i>		
LOCATION OF SAMPLE	<i>BPR</i>	<i>BPR</i>	<i>BPR</i>	<i>BPR Landfill</i>	<i>BPR Landfill</i>	<i>BPR Landfill</i>		
TYPE OF SAMPLE: (GRAB/COMPOSITE)	<i>Grab</i>	<i>Grab</i>	<i>Composite</i>	<i>Composite</i>	<i>Composite</i>	<i>Composite</i>		
DEPTH OF SAMPLE(S)	<i>3'6"</i>	<i>7'-9'</i>	<i>10' (5'5")</i>	<i>Landfill</i>	<i>Landfill</i>	<i>Landfill</i>		
TEMPERATURE OF SAMPLE	<i>67°</i>	<i>71°</i>	<i>76°</i>	<i>74°</i>	<i>77°</i>	<i>64°</i>		
FIELD METHOD RESULTS (PPMS)								
TPH VAPORS (EQUIV UNITS)	<i>2146 ppm</i>	<i>2.0 ppm</i>	<i>12.4 ppm</i>	<i>298 ppm</i>	<i>31.2 ppm</i>	<i>0.7 ppm</i>		
BENZENE RESPONSE FACTOR	<i>.47</i>	<i>.47</i>	<i>.47</i>	<i>.47</i>	<i>.47</i>	<i>.47</i>		
ADJUSTED FOR BENZENE EQUIV UNITS	<i>1009</i>	<i>1.0</i>	<i>44</i>	<i>140</i>	<i>15</i>	<i>.23</i>		
LAB RESULTS IN PPM: METHOD (418.1 OR MOD #015)						<i>418.1</i>		
TPH						<i>ND</i>		
NOTES	<i>Strong odor center bore</i>	<i>NO odor/stain</i>	<i>Sample taken to bottom of excavated area. Sent Sample to lab for TPH</i>	<i>Landfilled soil excavated from pit Treated w/ 34-0-0</i>		<i>Sample taken to lab for TPH</i>		

**TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 418.1**

Conoco Inc.

Project: Backhoe and hand grab
Matrix: Soil
Condition: Intact/Cool

Date Reported: 08/08/95
Date Sampled: 07/28/95
Date Received: 07/31/95
Date Extracted: 08/02/95
Date Analyzed: 08/02/95



28-7 #47 SEP	G01274	ND	20
28-7 #134 BPR	G01275	ND	20

ND - Analyte not detected at stated detection level.

References:

Method 418.1: Petroleum Hydrocarbons, Total Recoverable, USEPA Chemical Analysis of Water and Waste, 1978.

Method 3550: Ultrasonic Extraction of Non-Volatile and Semi-Volatile Organic Compounds from Solids, USEPA SW-846, Rev. 1, July 1992.

Analyst:

Anna Schauer

Reviewed:

Chris Hill

**TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 418.1**

Conoco Inc.

Project: Backhoe and hand grab
Matrix: Soil
Condition: Intact/Cool

Date Reported: 08/11/95
Date Sampled: 08/08/95
Date Received: 08/09/95
Date Extracted: 08/10/95
Date Analyzed: 08/11/95

Sample ID	Lab ID	Result (mg/kg)	Detection Limit (mg/kg)
SJ 28-7 #71 TDP (BRSS)	G01351	5,090	198
SJ 28-7 #103 TDP	G01352	ND	20
SJ 28-7 #71 BPR (BRSS)	G01353	320	20
SJ 28-7 #131 TDP	G01354	ND	18
SJ 28-7 #131 BDP (BRSS)	G01355	24.6	20
SJ 28-7 #131 DHP (BRSS)	G01356	2,690	100
SJ 28-7 #224 BPR (BRSS)	G01357	179	19
SJ 28-7 #224 TDP	G01358	ND	20
SJ 28-7 #134 LF-BPR	G01359	ND	19

ND - Analyte not detected at stated detection level.

References:

Method 418.1: Petroleum Hydrocarbons, Total Recoverable, USEPA Chemical Analysis of Water and Waste, 1978.

Method 3550: Ultrasonic Extraction of Non-Volatile and Semi-Volatile Organic Compounds from Solids, USEPA SW-846, Rev. 1, July 1992.

Analyst: Anna Schaefer

Reviewed: mk

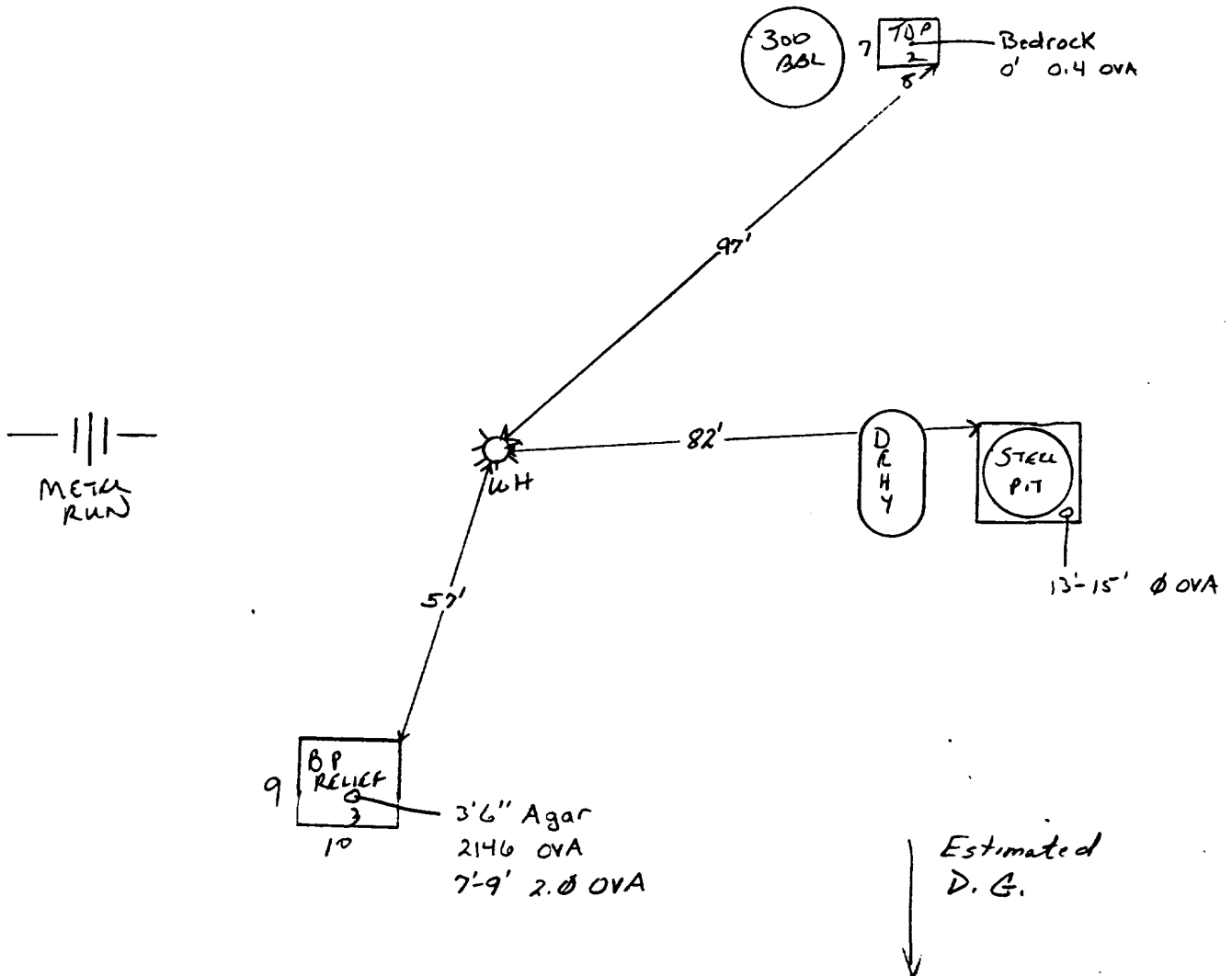
PIT LOCATION AND COMPOSITE SAMPLE PROFILE MAP #1

WELL LOCATION: SAN JUAN 28-7 #134 S 21 T 28N R 7W UNIT K

DATE STARTED: _____ DATE COMPLETED: _____

Conoco Inc

6/14/95



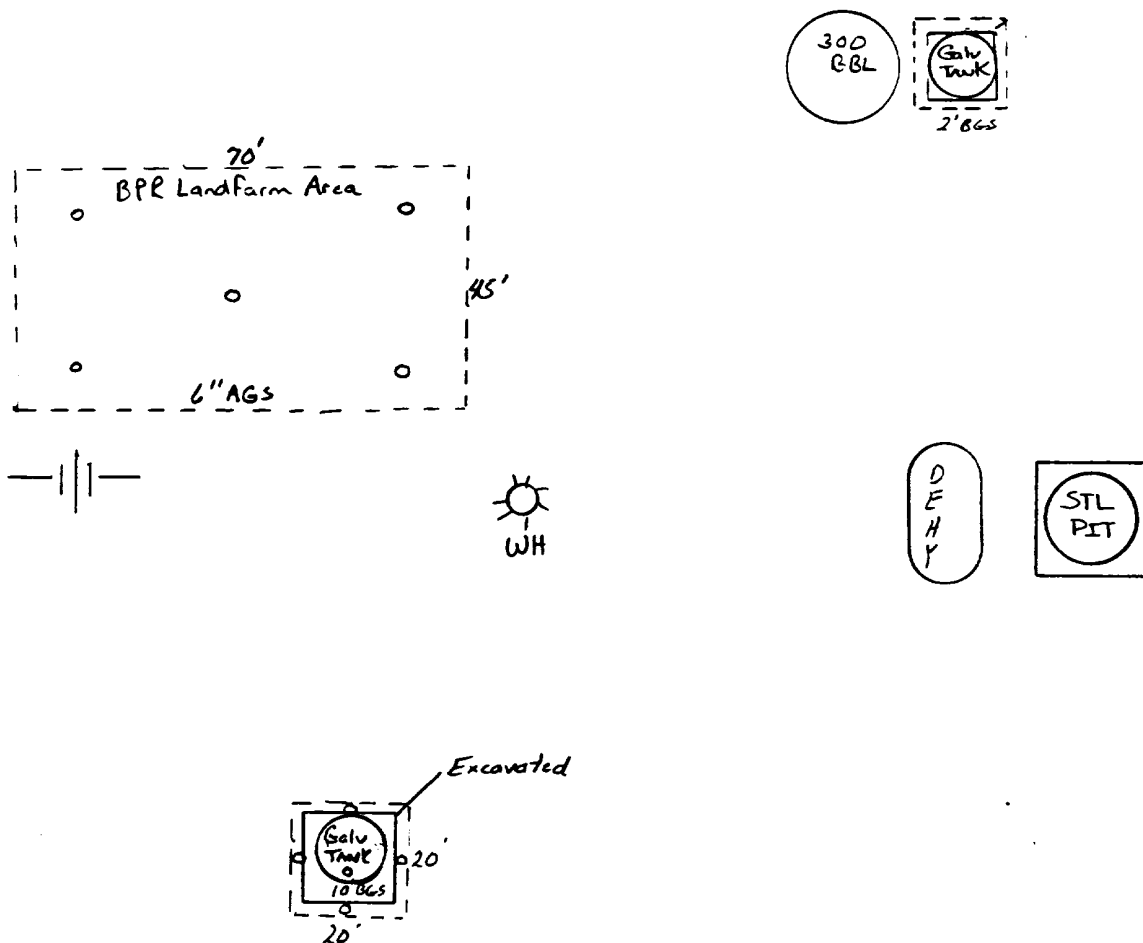
- o SOIL SAMPLE LOCATION
- Δ BACKGROUND SAMPLE LOCATION

PIT LOCATION AND COMPOSITE SAMPLE PROFILE MAP #2

WELL LOCATION: San Juan 28-7 # 134 S 21 T 28N R 7W UNIT K

DATE STARTED: 7/28/95 DATE COMPLETED: _____

REMEDIATION / EXCAVATION DATA



- o SOIL SAMPLE LOCATION
- A BACKGROUND SAMPLE LOCATION

K-21-28-7 20-039-21329

DISTRICT I
DISTRICT II
DISTRICT III

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

Form C-107-A
New 3-12-98

APPROVAL PROCESS:
☒ Administrative ☐ Hearing

EXISTING WELLBORE
☒ YES ☐ NO

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

San Juan 28-7 Unit
134 Section 21, T-28-N, R-7-W, K Rio Arriba

OGRID NO. 005073 Property Code 016608 API NO 30-039-21329

Spacing Unit Lease Types (check 1 or more)
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) 457	a.	a. 751
Oil Zones - Artificial Lift: Gas & Oil - Flowing All Gas Zones Estimated Or Measured Original	b. (Original) 1230	b.	b. 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
• If Producing, date and oil/gas/water rates of recent test (within 60 days)	Date Rates Production allocated by subtraction - See attached chart	Date Rates	Date Rates 1.99 104 MCFD
8. Fixed Percentage Allocation Formula - % of each zone	Gas	Gas	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

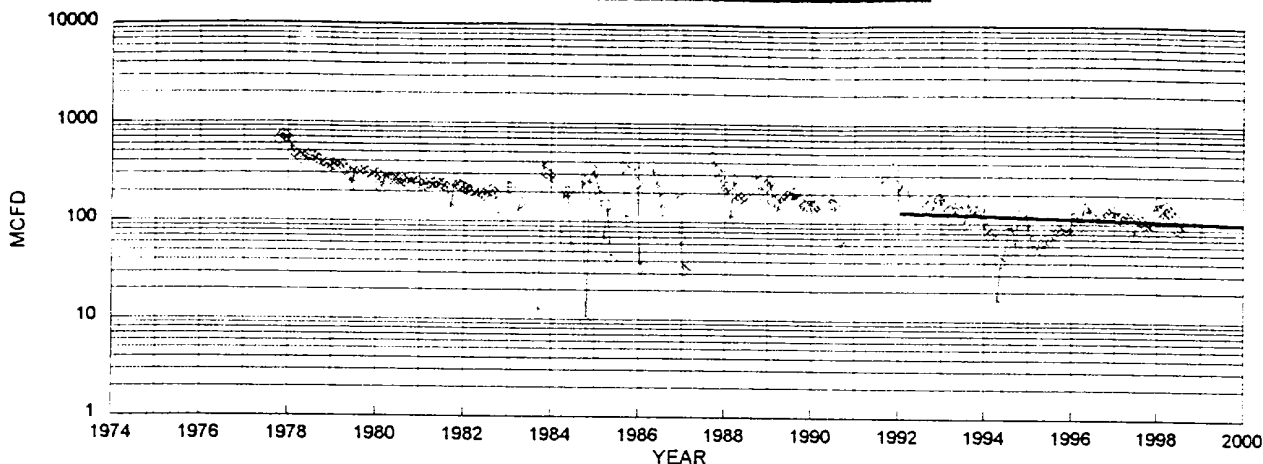
- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation 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 #134 DAKOTA PRODUCTION
SECTION 21K-28N-07W**



→ DAKOTA MCFD — FIT MCFD

DAKOTA HISTORICAL DATA: 1ST PROD: 10/77

OIL CUM: 14.78 MBO

GAS CUM: 1292.8 MMCF

CUM OIL YIELD: 0.0114 BBL/MCF

OIL YIELD: 0.0106 BBL/MCF, LAST 3 YRS

AVG. USED: 0.0110 BBL/MCF

DAKOTA PROJECTED DATA

1/1/99 Qi: 104 MCFD

DECLINE RATE: 3.0% (EXPONENTIAL)

PRODUCTION FORECAST FOR SUBTRACTION METHOD COMMINGLE ALLOCATION

YEAR	MID-YEAR	MID-YEAR
	AVG. MCFD	AVG. BOPD
1999	102.1	1.1
2000	99.0	1.1
2001	96.0	1.1
2002	93.1	1.0
2003	90.4	1.0
2004	87.6	1.0
2005	85.0	0.9
2006	82.5	0.9
2007	80.0	0.9
2008	77.6	0.9
2009	75.3	0.8
2010	73.0	0.8
2011	70.8	0.8
2012	68.7	0.8
2013	66.6	0.7
2014	64.6	0.7
2015	62.7	0.7
2016	60.8	0.7
2017	59.0	0.6
2018	57.2	0.6
2019	55.5	0.6
2020	53.8	0.6
2021	52.2	0.6
2022	50.7	0.6
2023	49.1	0.5
2024	47.7	0.5
2025	46.2	0.5
2026	44.8	0.5
2027	43.5	0.5
2028	42.2	0.5
2029	40.9	0.4
2030	39.7	0.4
2031	38.5	0.4
2032	37.4	0.4
2033	36.2	0.4

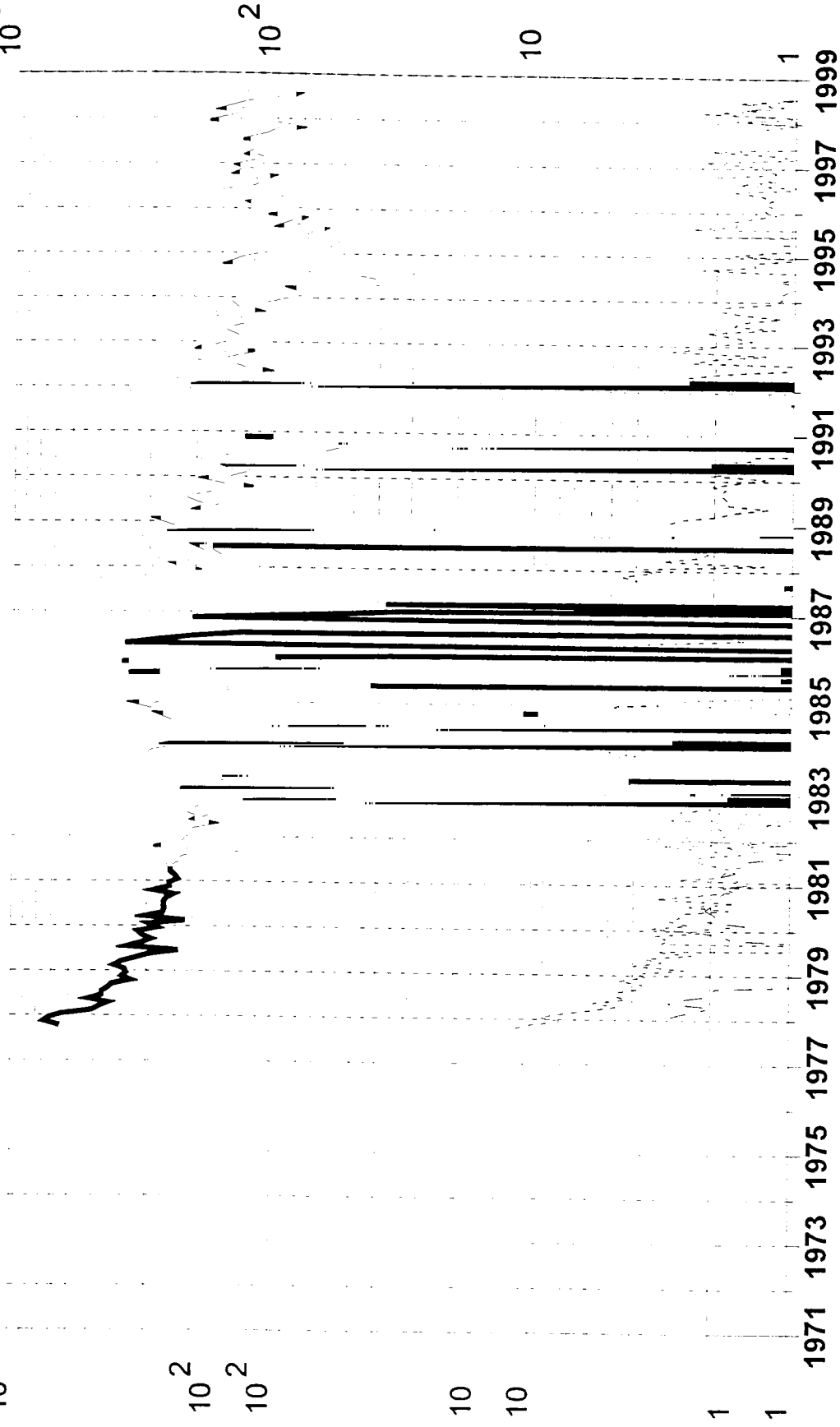
10³
10³
10

Lease: SAN JUAN 28 7 UNIT (134)

Dwights

Retrieval Code: 251,039,28N07W21K00DK
02/08/99

10³



Gas (mcf/day)

Water (bbl/day)

County: RIO ARRIBA, NM

Field: BASIN (DAKOTA) DK

Reservoir: DAKOTA

Operator: CONOCO INC

F.P. Date: 10/77

Oil Cum: 14.78 mbbl

Gas Cum: 1293 mmcf

Location: 21K 28N 7W

Oil (bbl/day)

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-12d
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

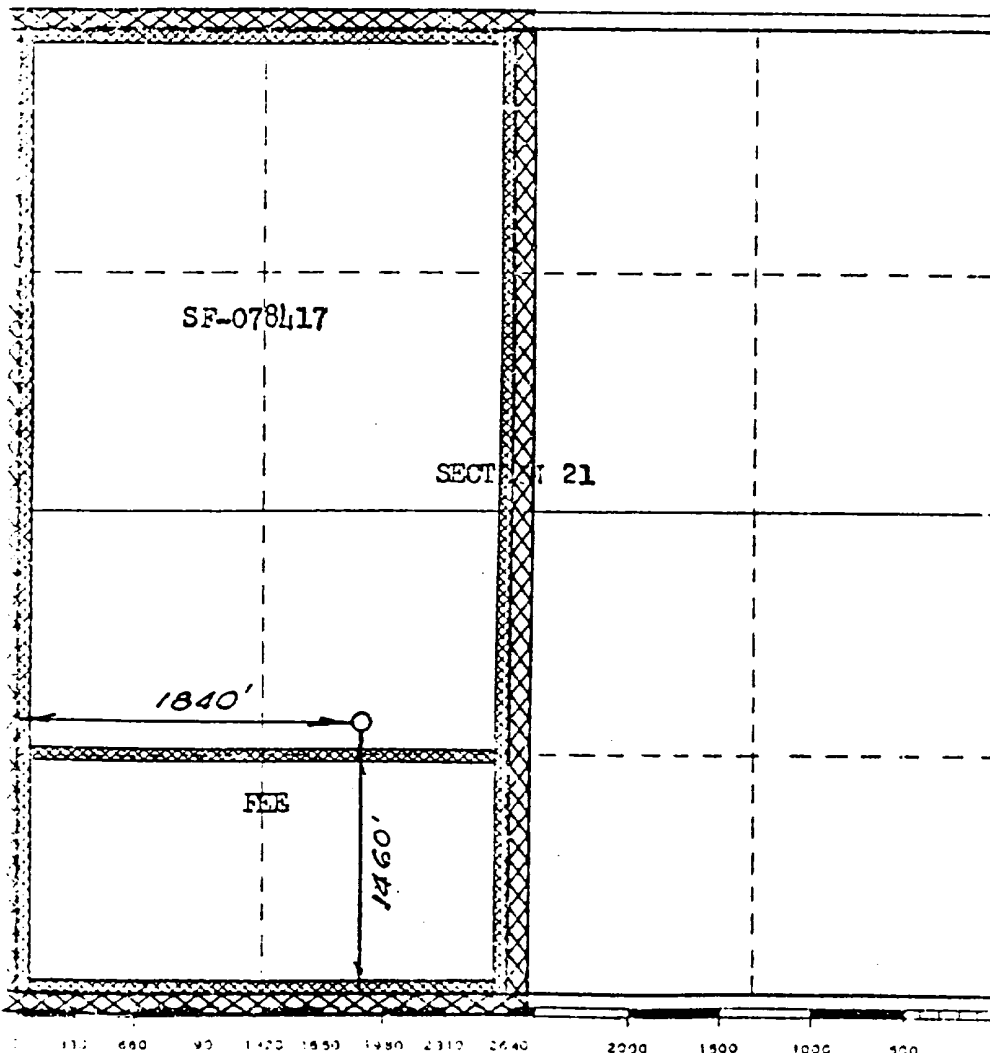
Operator EL PASO NATURAL GAS COMPANY		Lease SAN JUAN 28-7 UNIT (SF-078417)		Well No. 134
Unit Letter K	Section 21	Township 28-N	Range 7-W	County RIO ARriba
Actual Footage Location of Well: 1460 feet from the SOUTH line and 1840 feet from the WEST line				
Ground Level Elev. 5998	Producing Formation DAKOTA	Pool BASIN DAKOTA	Dedicated Acreage: 320.00 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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.	
Original Signed by D. G. Edson	
Drilling Clerk	
Company El Paso Natural Gas Co.	
Date February 14, 1977	
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 DECEMBER 28, 1972	
Signature <i>[Signature]</i>	
Well No. 1760	

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 30-039-21329	2 Pool Code 72319	3 Pool Name Blanco Mesaverde
4 Property Code 016608	5 Property Name San Juan 28-7 Unit	6 Well Number # 134
7 OGRID No. 005073	8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500	9 Elevation 5998'

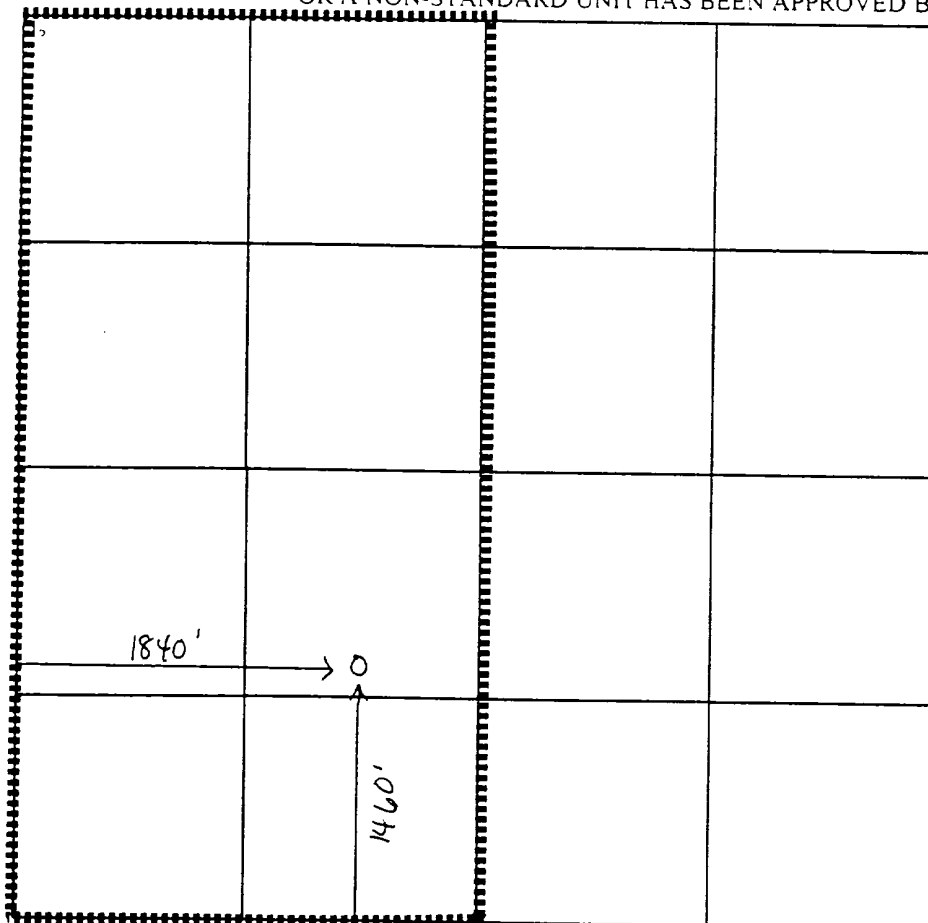
10 Surface Location

UL or lot no. K	Section 21	Township 28N	Range 7W	Lot Idn	Feet from the 1460	North/South line South	Feet from the 1840	East/West line West	County Rio Arriba
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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.						

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

District I
PO Box 1980, Hobbs, NM 88240-1980

District II
PO Drawer 00, 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

1 API Number 30-039-21329		2 Pool Code 72319		3 Pool Name Blanco Mesaverde	
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7 OGRID No. 005073		8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation 5998'

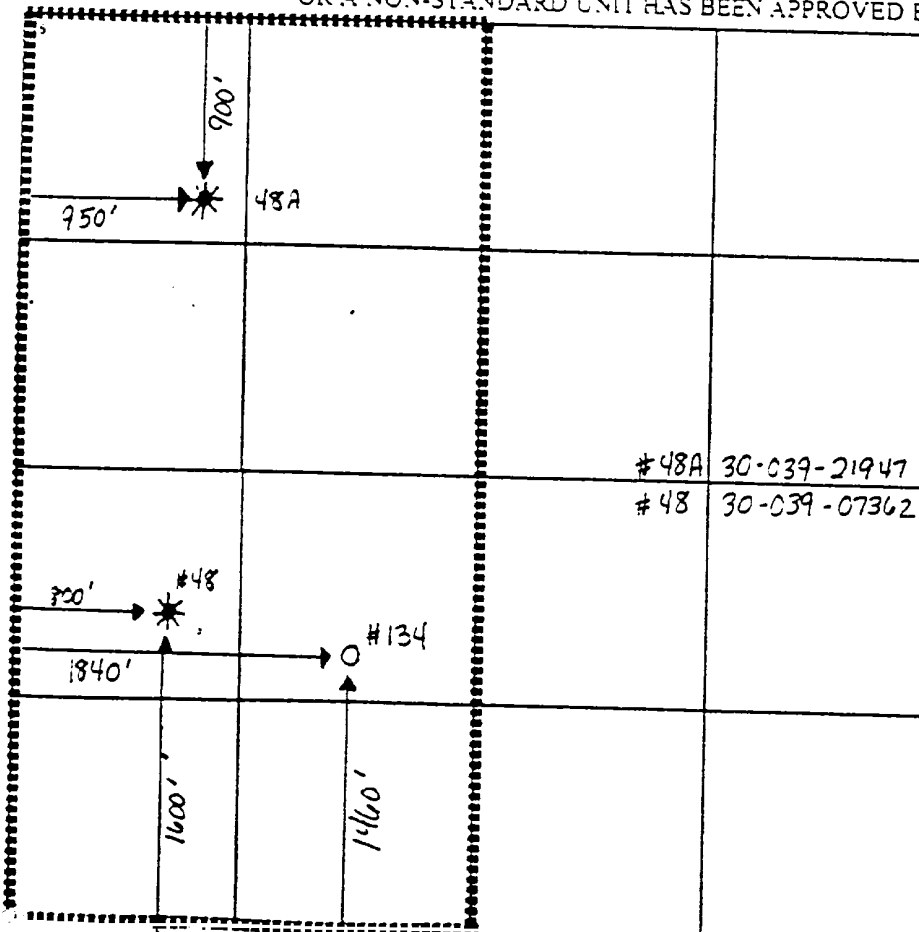
10 Surface Location

UL or lot no. K	Section 21	Township 28N	Range 7W	Lot Idn	Feet from the 1460'	North/South line South	Feet from the 1840'	East/West line West	County Rio Arriba
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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 R-10987-A

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 4, 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 # 134

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
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved
Budget Bureau No. 42-R355.5.

5. PLANE DESIGNATION AND SERIAL NO.

SF 078417

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.

134

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

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

Sec. 21, T-28-N, R-7-W

NMPM

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Otherb. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. CENVR. ☐ Other

2. NAME OF OPERATOR

El Paso Natural Gas Company

3. ADDRESS OF OPERATOR

P. O. Box 990, Farmington, New Mexico 87401

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

At surface

1460' S, 1840' W

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

15. DATE SPUNDED

04-11-77

16. DATE T.D. REACHED

04-19-77

17. DATE COMPL. (Ready to prod.)

07-08-77

18. ELEVATIONS (OF, RKB, RT, GR, ETC.)*

5998' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

7105'

21. PLUG, BACK T.D., MD & TVD

7097

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0-7105'

24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

6893-7076 (DK)

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

IL-GR; CDL-GR; Temperature Survey

27. WAS WELL CORED

No

29. 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#	222'	13 3/4"	224 cf	
"	20#	2932'	8 3/4"	265 cf	
1 1/2"	10.5 & 11.6	7105'	6 1/4"	645 cf	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1 1/2"	7053	

31. PERFORATION RECORD (Interval, size and number)

6893, 6900, 6916, 7012, 7022, 7042, 7050, 7059, 7076' with 1 shot per zone

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

DEPTH INTERVAL (MD) 6893-7076' AMOUNT AND KIND OF MATERIAL USED 128,000# sd; 79,000 gal. Gel Wtr.

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, After Frac Gauge - 344 MCF/D)				WELL STATUS (Producing or shut-in)	
DATE OF TEST		HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.
7-8-77							
FLOW. TUBING PRESS.		CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
SI 2582		SI 2592					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

Norman Wagoner

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

TITLE Drilling Clerk

DATE July 29, 1977

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

Conditions of Approval

Conoco Inc.

San Juan 28-7 No. 134

1460' FSL and 1840' FWL

Sec 21-28N-7W

- 1) Production allocation attributable to the Mesaverde Formation will be based on the **difference** in the established mid-year production forecast for the Dakota Formation and the commingled gas stream of both intervals. The established decline rate for the Dakota Formation is approximately 3.0% per year with a $Q_i = 104 \text{ Mcfgd}$ (@1/1/99).

Commingled production from each zone must be reported in accordance with the allocation procedure authorized above. Any Oil production will also be allocated in accordance with this procedure. The effective date of commingling will be the date commingling of production first occurs.

- 2) Because there is a potential for cross flow between the Dakota and Mesaverde formations, contact this office in the event this well is shut-in for more than 30 days.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

CONOCO INC.

3. Address and Telephone No.

10 DESTA DR. STE. 100W, MIDLAND, TX. 79705-4500 (915) 686-5424

4. Location of Well (Footage, Sec., T. R. M. or Survey Description)

Section 21, T-28-N, R-7-W, K
1460' FSL & 1840' FWL

5. Lease Designation and Serial No.

SF 078417

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

San Juan 28-7 Unit # 134

9. API Well No.

30-039-21329

10. Field and Pool, or Exploratory Area

Blanco Mesaverde/Basin Dakota

11. County or Parish, State

Rio Arriba, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Repon
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other

DHC

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracuring
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Repon results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

It has been proposed to Downhole Commingle the Mesaverde and Dakota in this well.

14. I hereby certify that the foregoing is true and correct

Signed

Kay Maddox

Title

Kay Maddox

Regulatory Agent

Date

2/11/99

(This space for Federal or State office use)

Approved by

/s/ Duane W. Spencer

Title

Date

FEB 24 1999

Conditions of approval if any:

BLM(6), NMOCD(1), SHEAR, PONCA, COST ASST, FILE ROOM

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.

*See Instruction on Reverse Side

NMOCD

✓

DISTRICT I

712 West 14th, 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 87505-6429Form 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

San Juan 28-7 Unit

134

Section 21, T-28-N, R-7-W, K

Rio Arriba

Lease

Well No

Unit or Section Range

County

OGRID NO 005073 Property Code 016608 API NO 30-039-21329

Spacing Unit Lease Types (check 1 or more)
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) 457	a	a 751
Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	b(Original) 1230	b	b 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 Production allocated by subtraction - See attached chart	Date Rates	Date Rates 1.99 104 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 ☐ No11. 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 ☐ No13. 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. NMOC Reference Cases for Rule 303(D) Exceptions: ORDER NO(S) R-10476 - B

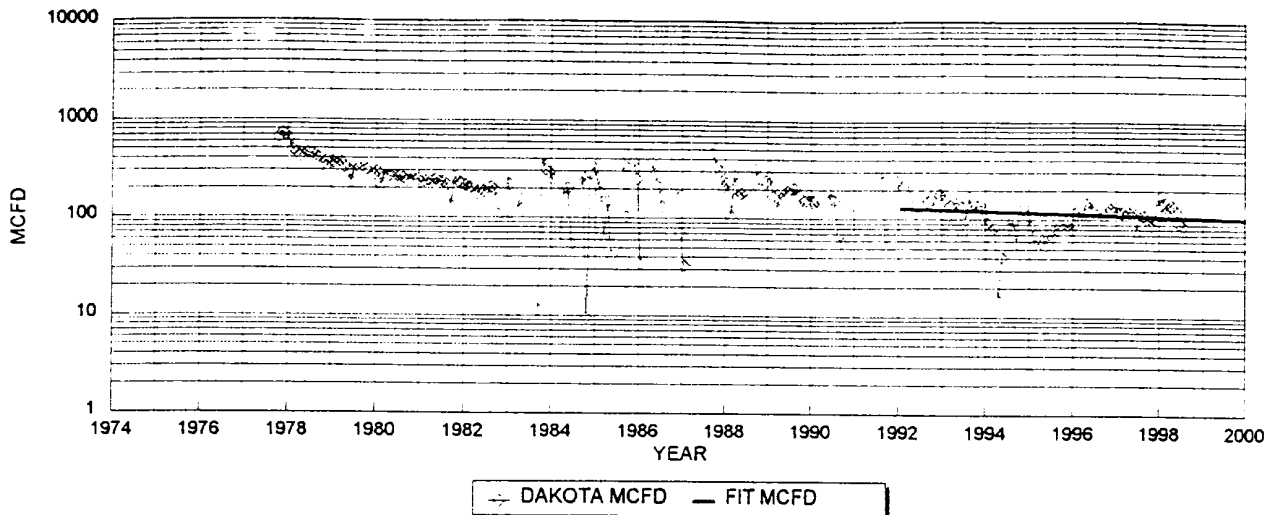
16. ATTACHMENTS

- 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, 1999TYPE OR PRINT NAME Kay Maddox TELEPHONE NO. (915) 686-5798

SAN JUAN 28 7 UNIT #134 DAKOTA PRODUCTION
SECTION 21K-28N-07W



DAKOTA HISTORICAL DATA:		1ST PROD: 10/77	DAKOTA PROJECTED DATA	
OIL CUM:	14.78	MBO	1/1/99 Q1:	104 MCFD
GAS CUM:	1292.8	MMCF	DECLINE RATE:	3.0% (EXPONENTIAL)
CUM OIL YIELD:	0.0114	BBL/MCF		
OIL YIELD:	0.0106	BBL/MCF, LAST 3 YRS		
AVG. USED:	0.0110	BBL/MCF		

YEAR	MID-YEAR	MID-YEAR
	AVG. MCFD	AVG. BOPO
1999	102.1	1.1
2000	99.0	1.1
2001	96.0	1.1
2002	93.1	1.0
2003	90.4	1.0
2004	87.6	1.0
2005	85.0	0.9
2006	82.5	0.9
2007	80.0	0.9
2008	77.6	0.9
2009	75.3	0.8
2010	73.0	0.8
2011	70.8	0.8
2012	68.7	0.8
2013	66.8	0.7
2014	64.6	0.7
2015	62.7	0.7
2016	60.8	0.7
2017	59.0	0.6
2018	57.2	0.6
2019	55.5	0.6
2020	53.8	0.6
2021	52.2	0.6
2022	50.7	0.6
2023	49.1	0.5
2024	47.7	0.5
2025	46.2	0.5
2026	44.8	0.5
2027	43.5	0.5
2028	42.2	0.5
2029	40.9	0.4
2030	39.7	0.4
2031	38.5	0.4
2032	37.4	0.4
2033	36.2	0.4

PRODUCTION FORECAST FOR SUBTRACTION METHOD COMMINGLE ALLOCATION

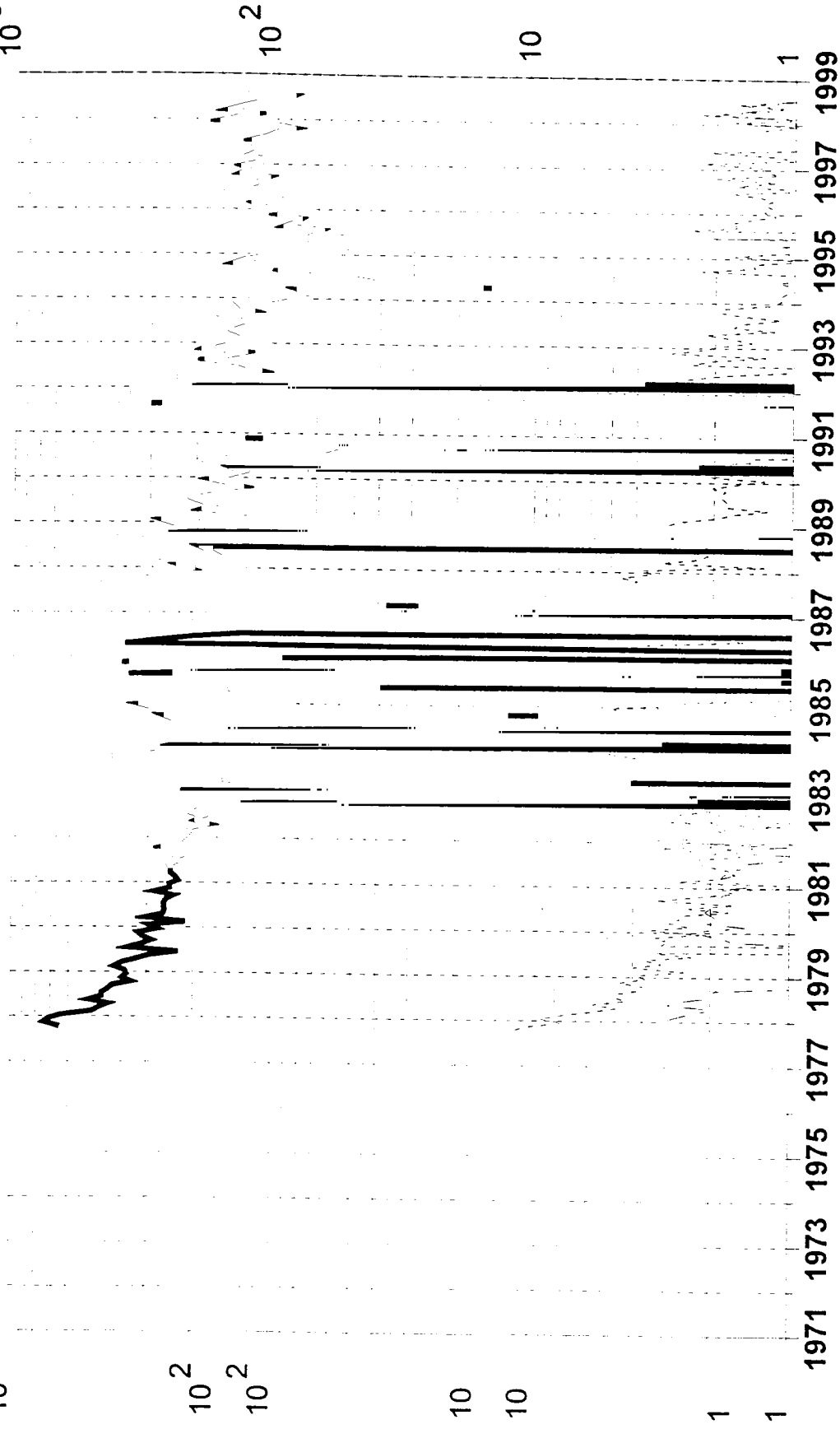
10³
10³
10

Lease: SAN JUAN 28 7 UNIT (134)

Dwights

Retrieval Code: 251,039,28N07W21K00DK
02/08/99

10³



Gas (mcf/day)

Water (bbl/day)

F.P. Date: 10/77

County: RIO ARRIBA, NM

Field: BASIN (DAKOTA) DK

Reservoir: DAKOTA

Operator: CONOCO INC

Oil Cum: 14.78 mbbl

Gas Cum: 1293 mmcf

Location: 21K 28N 7W

Oil (bbl/day)

NATIONAL OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-12d
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-078417)		Well No. 134	
Unit Letter K	Section 21	Township 28-N	Range 7-W	County RIO ARriba	
Actual Footage Location of Well: 11460 feet from the SOUTH line and 1840 feet from the WEST line					
Ground Level Elev. 5998	Producing Formation DAKOTA	Pool BASIN DAKOTA	Dedicated Acreage: 320.00 Acres		

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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.	
	Original Signed By D. S. B. _____	
	Drilling Clerk El Paso Natural Gas Co.	
	Date February 14, 1977	
	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 of Survey DECEMBER 28, 1972	
	Signature of Surveyor <i>[Signature]</i>	
	Well No. 1760	
	132 440 90 1420 1840 2312 2640 2000 1500 1000 500 0	

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 30-039-21329	2 Pool Code 72319	3 Pool Name Blanco Mesaverde
4 Property Code 016608	5 Property Name San Juan 28-7 Unit	6 Well Number # 134
7 OGRID No. 005073	8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500	9 Elevation 5998'

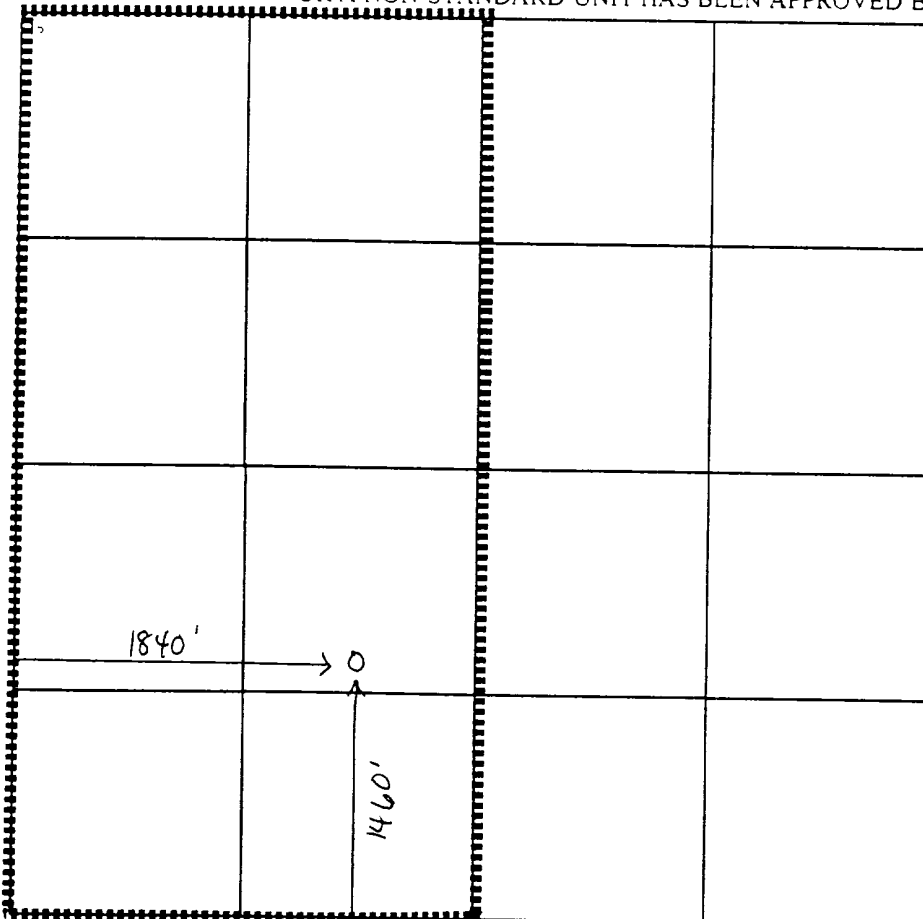
10 Surface Location

UL or lot no. K	Section 21	Township 28N	Range 7W	Lot Idn	Feet from the 1460	North/South line South	Feet from the 1840	East/West line West	County Rio Arriba
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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.						

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

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

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State Lease - 4 Copies

Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-21329	2 Pool Code 72319	3 Pool Name Blanco Mesaverde
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10 Surface Location

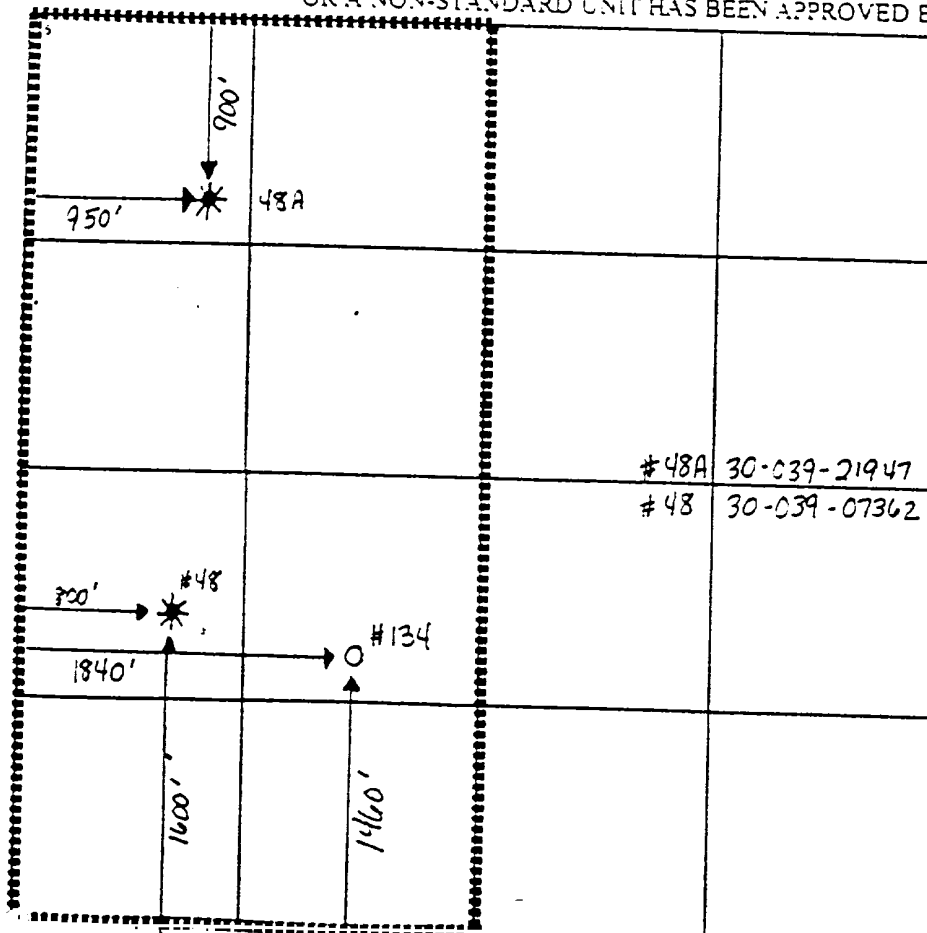
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	21	28N	7W		1460'	South	1840'	West	Rio Arriba

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-10937-A
---------------------------	--------------------	-----------------------	---------------------------

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 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

February 11, 1999

RE: Notification of Offset Operators of C-107A Application
San Juan 28-7 Unit Well # 134

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
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)Form approved
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

SF 078417

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.

134

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

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

Sec. 21, T-28-N, R-7-W

NMPM

12. COUNTY OR
PARISH

Rio Arriba

13. STATE

New Mexico

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. CENVR. ☐

Other

2. NAME OF OPERATOR

El Paso Natural Gas Company

3. ADDRESS OF OPERATOR

P. O. Box 990, Farmington, New Mexico 87401

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

At surface

1460' S, 1840' W

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

04-11-77

16. DATE T.D. REACHED

04-19-77

17. DATE COMPL. (Ready to prod.)

07-08-77

18. ELEVATIONS (OF, R&B, RT, GR, ETC.)*

5998' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

7105'

21. PLUG, BACK T.D., MD & TVD

7097

22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BY

ROTARY TOOLS

0-7105'

CABLE TOOLS

24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

6893-7076 (DK)

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

IL-GR; CDL-GR; Temperature Survey

27. WAS WELL CORED

No

29. 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#	222'	13 3/4"	224 cf	
"	20#	2932'	8 3/4"	265 cf	
1 1/2"	10.5 & 11.6	7105'	6 1/4"	645 cf	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1 1/2"	7053	

31. PERFORATION RECORD (Interval, size and number)

6893, 6900, 6916, 7012, 7022, 7042, 7050,
7059, 7076' with 1 shot per zone

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6893-7076'	128,000# sd; 79,000 gal. Gel Wtr.

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, Choked After Frac Gauge - 344 MCF/D					WELL STATUS (Producing or shut-in)	
							Shut-in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
7-8-77			→					
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
SI 2582	SI 2592	→						

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

Norman Wagoner

35. LIST OF ATTACHMENTS

36. I certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

G. Bucco

TITLE

Drilling Clerk

DATE

July 29, 1977

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

Conditions of Approval

Conoco Inc.

San Juan 28-7 No. 134

1460' FSL and 1840' FWL

Sec 21-28N-7W

- 1) Production allocation attributable to the Mesaverde Formation will be based on the **difference** in the established mid-year production forecast for the Dakota Formation and the commingled gas stream of both intervals. The established decline rate for the Dakota Formation is approximately 3.0% per year with a $Q_i = 104 \text{ Mcfgd}$ (@1/1/99).

Commingled production from each zone must be reported in accordance with the allocation procedure authorized above. Any Oil production will also be allocated in accordance with this procedure. The effective date of commingling will be the date commingling of production first occurs.

- 2) Because there is a potential for cross flow between the Dakota and Mesaverde formations, contact this office in the event this well is shut-in for more than 30 days.