

DATE IN 6/17/08	SUSPENSE	ENGINEER W. Jones	LOGGED IN 6/17/08	TYPE DHC 4043	APP NO. PKUR0816952863
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ABOVE THIS LINE FOR DIVISION USE ONLY

## NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



### ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATION WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

#### Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [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 - Simultaneous Dedication  
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [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

- [D] Other: Specify \_\_\_\_\_

#### [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] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

**Note:** Statement must be completed by an individual with managerial and/or supervisory capacity.

Cherry Hlava

*Cherry Hlava*

Regulatory Analyst

6/13/08

Print or Type Name

Signature

Title

Date

hlavacl@bp.com  
e-mail Address

RECEIVED  
2008 JUN 17 PM 2 03

Submit 3 Copies To Appropriate District Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
May 27, 2004

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO.  
**30-045-07412**

5. Indicate Type of Lease  
STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

**Tapp LS**

8. Well Number

**4**

9. OGRID Number

**778**

10. Pool name or Wildcat

**Blanco MV, PC & Otero Chacra**

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

**BP America Production Company Attn: Cherry Hlava**

3. Address of Operator

**P.O. Box 3092 Houston, TX 77253**

4. Well Location

Unit Letter **M**: **800** feet from the **South** line and **840** feet from the **West** line

Section **16** Township **28N** Range **08W** NMPM **San Juan** County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type \_\_\_\_\_ Depth to Groundwater \_\_\_\_\_ Distance from nearest fresh water well \_\_\_\_\_ Distance from nearest surface water \_\_\_\_\_

Pit Liner Thickness: \_\_\_\_\_ mil Below-Grade Tank: Volume \_\_\_\_\_ bbls: Construction Material \_\_\_\_\_

12. 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 ☐ MULTIPLE COMPL ☐

OTHER: **Tri-Mingling** ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: ☐

13. 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. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

BP America requests permission to complete the subject well into the Chacra formations and tri-commingle production downhole with the **existing Blanco Mesaverde & So. Blanco Pictured Cliffs**

**The Interest owners are identical between the MV, DK & CH therefore no notification required.**

Production is proposed to be allocated based on the subtraction method using the projected future decline for production from the PC & MV pools. Please see the attached decline production

The BLM has been notified of the DHC via form 3160-5 for lease SF - 078499

Commingling Production Downhole in the subject well from the proposed pools will not reduce the value of the total remaining production.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Cherry Hlava TITLE Regulatory Analyst DATE 06/10/2008

Type or print name Cherry Hlava E-mail address: hlavacl@bp.com Telephone No. 281-366-4081

**For State Use Only**

APPROVED BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Conditions of Approval (if any): \_\_\_\_\_



Tapp LS 4										
MesaVerde Formation										
API #	3004507412									
Starting 1/97 thru 10/64										
Exponential Decline										
Qi =	104.8	mcf/d								
Qf =	10	mcf/d								
D =	9.41%	per year								
1/1/2008										
	Gas	Rate	Gas			Gas	Rate	Gas Volume		Gas
Date		mcf/d	Volume		Date		mcf/d	MMSCF	Date	Rate
			MMSCF							Volume
										MMSCF
Jan-08	104.15		3.23		Mar-11	76.41		2.37	May-14	55.88
Feb-08	103.31		3.00		Apr-11	75.78		2.27	Jun-14	55.42
Mar-08	102.47		3.18		May-11	75.16		2.33	Jul-14	54.96
Apr-08	101.63		3.05		Jun-11	74.54		2.24	Aug-14	54.50
May-08	100.80		3.13		Jul-11	73.93		2.29	Sep-14	54.05
Jun-08	99.97		3.00		Aug-11	73.31		2.27	Oct-14	53.61
Jul-08	99.15		3.07		Sep-11	72.71		2.18	Nov-14	53.17
Aug-08	98.33		3.05		Oct-11	72.11		2.24	Dec-14	52.73
Sep-08	97.52		2.93		Nov-11	71.52		2.15	Jan-15	52.29
Oct-08	96.72		3.00		Dec-11	70.93		2.20	Feb-15	51.87
Nov-08	95.93		2.88		Jan-12	70.14		2.17	Mar-15	51.46
Dec-08	95.14		2.95		Feb-12	69.58		2.02	Apr-15	51.04
Jan-09	94.61		2.93		Mar-12	69.02		2.14	May-15	50.62
Feb-09	93.85		2.63		Apr-12	68.45		2.05	Jun-15	50.20
Mar-09	93.11		2.89		May-12	67.89		2.11	Jul-15	49.79
Apr-09	92.34		2.77		Jun-12	67.33		2.02	Aug-15	49.37
May-09	91.58		2.84		Jul-12	66.78		2.07	Sep-15	48.97
Jun-09	90.83		2.73		Aug-12	66.22		2.05	Oct-15	48.56
Jul-09	90.08		2.79		Sep-12	65.68		1.97	Nov-15	48.16
Aug-09	89.33		2.77		Oct-12	65.14		2.02	Dec-15	47.77
Sep-09	88.59		2.66		Nov-12	64.61		1.94	Jan-16	47.24
Oct-09	87.87		2.72		Dec-12	64.08		1.99	Feb-16	46.86
Nov-09	87.14		2.61		Jan-13	63.72		1.98	Mar-16	46.48
Dec-09	86.43		2.68		Feb-13	63.21		1.77	Apr-16	46.10
Jan-10	85.70		2.66		Mar-13	62.71		1.94	May-16	45.72
Feb-10	85.02		2.38		Apr-13	62.19		1.87	Jun-16	45.35
Mar-10	84.35		2.62		May-13	61.68		1.91	Jul-16	44.98
Apr-10	83.65		2.51		Jun-13	61.17		1.84	Aug-16	44.60
May-10	82.96		2.57		Jul-13	60.67		1.88	Sep-16	44.23
Jun-10	82.28		2.47		Aug-13	60.16		1.87	Oct-16	43.87
Jul-10	81.61		2.53		Sep-13	59.67		1.79	Nov-16	43.51
Aug-10	80.92		2.51		Oct-13	59.18		1.83	Dec-16	43.16
Sep-10	80.26		2.41		Nov-13	58.69		1.76	Jan-17	42.91
Oct-10	79.60		2.47		Dec-13	58.21		1.80	Feb-17	42.57
Nov-10	78.94		2.37		Jan-14	57.72		1.79	Mar-17	42.23
Dec-10	78.29		2.43		Feb-14	57.26		1.60	Apr-17	41.89
Jan-11	77.64		2.41		Mar-14	56.81		1.76	May-17	41.54
Feb-11	77.02		2.16		Apr-14	56.34		1.69	Jun-17	41.20

Tapp LS 4									
Pictured Cliffs Formation									
API #	3E+09								
Starting 1/04 thru 5/25									
Exponential Decline									
Qi =	11.89	mcf/d							
Qf =	1.13	mcf/d							
D =	9.41%	per year							
1-Jan-2008									
	Gas	Gas		Gas	Gas		Gas	Gas	
Date	Rate	Volume	Date	Rate	Volume	Date	Rate	Volume	
	mcf/d	MMSCF		mcf/d	MMSCF		mcf/d	MMSCF	
Jan-08	11.82	0.37	Feb-11	8.74	0.25	Mar-14	6.45	0.20	
Feb-08	11.73	0.34	Mar-11	8.67	0.27	Apr-14	6.39	0.19	
Mar-08	11.63	0.36	Apr-11	8.60	0.26	May-14	6.34	0.20	
Apr-08	11.54	0.35	May-11	8.53	0.26	Jun-14	6.29	0.19	
May-08	11.44	0.36	Jun-11	8.46	0.25	Jul-14	6.24	0.19	
Jun-08	11.35	0.34	Jul-11	8.39	0.26	Aug-14	6.19	0.19	
Jul-08	11.25	0.35	Aug-11	8.32	0.26	Sep-14	6.14	0.18	
Aug-08	11.16	0.35	Sep-11	8.25	0.25	Oct-14	6.08	0.19	
Sep-08	11.07	0.33	Oct-11	8.18	0.25	Nov-14	6.03	0.18	
Oct-08	10.98	0.34	Nov-11	8.12	0.24	Dec-14	5.99	0.19	
Nov-08	10.89	0.33	Dec-11	8.05	0.25	Jan-15	5.94	0.18	
Dec-08	10.80	0.34	Jan-12	7.96	0.25	Feb-15	5.89	0.17	
Jan-09	10.74	0.33	Feb-12	7.90	0.23	Mar-15	5.84	0.18	
Feb-09	10.65	0.30	Mar-12	7.83	0.24	Apr-15	5.79	0.17	
Mar-09	10.57	0.33	Apr-12	7.77	0.23	May-15	5.75	0.18	
Apr-09	10.48	0.31	May-12	7.71	0.24	Jun-15	5.70	0.17	
May-09	10.39	0.32	Jun-12	7.64	0.23	Jul-15	5.65	0.18	
Jun-09	10.31	0.31	Jul-12	7.58	0.24	Aug-15	5.60	0.17	
Jul-09	10.22	0.32	Aug-12	7.52	0.23	Sep-15	5.56	0.17	
Aug-09	10.14	0.31	Sep-12	7.45	0.22	Oct-15	5.51	0.17	
Sep-09	10.06	0.30	Oct-12	7.39	0.23	Nov-15	5.47	0.16	
Oct-09	9.97	0.31	Nov-12	7.33	0.22	Dec-15	5.42	0.17	
Nov-09	9.89	0.30	Dec-12	7.27	0.23	Jan-16	5.36	0.17	
Dec-09	9.81	0.30	Jan-13	7.23	0.22	Feb-16	5.32	0.15	
Jan-10	9.73	0.30	Feb-13	7.17	0.20	Mar-16	5.28	0.16	
Feb-10	9.65	0.27	Mar-13	7.12	0.22	Apr-16	5.23	0.16	
Mar-10	9.57	0.30	Apr-13	7.06	0.21	May-16	5.19	0.16	
Apr-10	9.49	0.29	May-13	7.00	0.22	Jun-16	5.15	0.15	
May-10	9.42	0.29	Jun-13	6.94	0.21	Jul-16	5.10	0.16	
Jun-10	9.34	0.28	Jul-13	6.89	0.21	Aug-16	5.06	0.16	
Jul-10	9.26	0.29	Aug-13	6.83	0.21	Sep-16	5.02	0.15	
Aug-10	9.18	0.29	Sep-13	6.77	0.20	Oct-16	4.98	0.15	
Sep-10	9.11	0.27	Oct-13	6.72	0.21	Nov-16	4.94	0.15	
Oct-10	9.03	0.28	Nov-13	6.66	0.20	Dec-16	4.90	0.15	
Nov-10	8.96	0.27	Dec-13	6.61	0.21	Jan-17	4.87	0.15	
Dec-10	8.89	0.28	Jan-14	6.55	0.20	Feb-17	4.83	0.14	
Jan-11	8.81	0.27	Feb-14	6.50	0.18	Mar-17	4.79	0.15	

## **Tapp LS 4 Payadd & Tri-Mingle Procedure**

**Sec 16, T28N, R8W**

**API #: 30-045-07412**

1. Check anchors. MIRU workover rig.
2. If necessary, kill with 2% KCL water. Nipple down WH. NU BOPs.
3. Tag for fill and tally OH with 2-3/8" production tubing currently set at 4523'. Visually inspect tubing while POOH.
4. TIH with bit and scraper for 5 1/2" casing to 3700'.
5. Set CIBP at 3600'. Load hole with 2% KCL to at least top of liner @ 2357'.
6. Run CBL and RST Log and based on the results of CBL, the interval from top of liner to below Chacra @ 3400' may have to be cement squeezed.
7. Clean out 5 1/2" casing to CIBP @3600'.
8. Perforate Chacra using 3-1/8" casing guns (4 SPF 90 deg phasing) with Schlumberger's HEG charges 3140'-3190' and 3255'-3300'. Depths may change based on interpretation of RST log.
9. Run 3 1/2" fracture treatment string with 2 joints of 2 7/8" tubing and 5 1/2" fracture treatment packer and test fracture treatment string to 8000 psi
10. RU frac equipment. Use Slick Water 2% KCL-45% N2 foam 200,000# 16/30 sand in fracture stimulation and attempt to pump stimulation at 50 BPM.
11. Frac Chacra according to pump schedule.
12. Flowback frac fluid 24 hours after stimulation through fracture treatment string. When flow drops off, kill well and POOH with 3 1/2" frac string.
13. TIH with 2 3/8" tubing and notched collar. Cleanout fill to 3500'. Blow well dry.
14. RIH with production test packer and set inside 5 1/2" liner and test Chacra for minimum 8 hours for regulatory commingle test.
15. POOH with tubing and pick up bit and drill bridge plug at 3600' and cleanout to PBTD of 4573'.
16. Run 2 3/8" completion tubing to 4300'
17. ND BOP's. NU WH. Test well for air. Return well to production as down hole commingle Mesa Verde, Chacra and Pictured Cliffs.

**Tapp LS 4**  
 Sec 16, T28N, R8W  
 API: 30-045-74120000

5783' GL

History:  
 Completed in 8/58

est. TOC @ surface (circ)

**10 3/4" 32.75# @ 162'**  
 225 sxs Reg. w/5% gel + 3% CaCl2

1997 CBL Top cmt. @ 1190'  
 Remedial Sq. Perf @ 510' 2 spf No circ.  
 Sq. w/ pkr 87 sx no circ  
 Changed wellhead TOC 420'  
 Perf @ 260' 2 spf good circ Sq w/ 89 sx good cmt @ surf.  
 Sq. another 25 sxs  
 TESTED SQ. PERFS TO 250 psi

est TOC @ 1650' (temp survey 1958)

Pictured Cliffs Perforations  
 2182'-2256'

5-1/2" liner hanger @ 2357' (Unknown if well has liner hanger packer)

**7 5/8" 26.4# J55 @ 2418'**  
 Cmt with 100 sx 50/50 Pozmix  
 2% Gel 1/4#/sx Flocele + 50 sx Neat w/2%CaCl2

**Chacrs Proposed Perforations**  
 3140'-3190' and 3255-3300' @ 4 SPF

Temperature Survey (1958 TOC 3900'  
**2/97: CBL TOC @ 3400'**  
 BAD Casing 3730-3660'  
 SQ cement 75 sxs and tested to 1900 psi.

Mesa Verde Perforations 3826'-4327'  
**Tubing: 2-3/8" 4.7# J55 @ 4523'**

**5-1/2" liner 15.5# J55 @ 4613'**  
 200 sx 50/50 Pozmix, 6% Gel, 1/4#/sx Flocele+ 50 sx Neat  
 Did not reverse out.

PBTD: 4573'

Mesa Verde Perforations  
 3826'-4327'  
**1958 frac: 70,00 gal H2O**  
**+ 70,000# Sand**  
 4410-4418'  
 4426-4438'  
 4446-4460'  
 4470-4486'  
 4506-4526'  
 4542-4554'

**1997 Frac: 22764 gal H2O**  
**70% Foam 76,688# 16/30**  
**Sand**  
 Perfs 3826, 3839, 3846, 3871, 3875, 3879,  
 3914, 4061, 4072, 4077, 4148, 4152, 4163, 4229  
 4235, 4241, 4319, 4327

updated: 6/09/08RWP

District I

1625 N. French Dr., Hobbs, NM 88240  
Phone:(505) 393-6161 Fax:(505) 393-0720

District II

1301 W. Grand Ave., Artesia, NM 88210  
Phone:(505) 748-1283 Fax:(505) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-102  
Permit 51714

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number <b>30-045-07412</b>	2. Pool Code <b>82329</b>	3. Pool Name <b>OTERO CHACRA (GAS)</b>
4. Property Code <b>1161</b>	5. Property Name <b>TAPP LS</b>	6. Well No. <b>004</b>
7. OGRID No. <b>778</b>	8. Operator Name <b>BP AMERICA PRODUCTION COMPANY</b>	9. Elevation <b>5788</b>

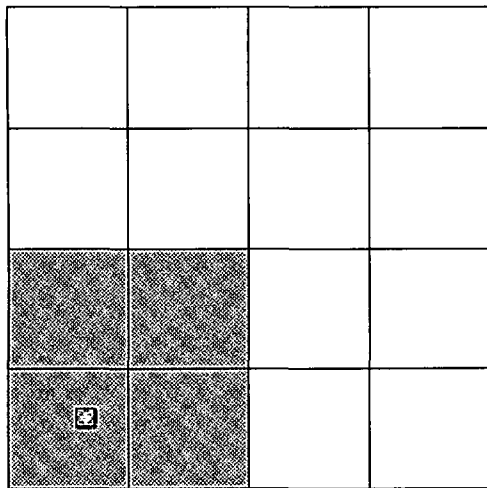
**10. Surface Location**

UL - Lot <b>M</b>	Section <b>16</b>	Township <b>28N</b>	Range <b>08W</b>	Lot Idn	Feet From <b>800</b>	N/S Line <b>S</b>	Feet From <b>840</b>	E/W Line <b>W</b>	County <b>SAN JUAN</b>
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**11. Bottom Hole Location If Different From Surface**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres <b>160.00</b>		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**

**OPERATOR CERTIFICATION**

*I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.*

E-Signed By: *Cherry Hlava*  
Title: *Regulatory Analyst*  
Date: *6-13-08*

**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.*

Surveyed By: **On File**  
Date of Survey:  
Certificate Number:



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2000  
SANTA FE, NEW MEXICO 87501

Form C-102  
Revised 10-1-70

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

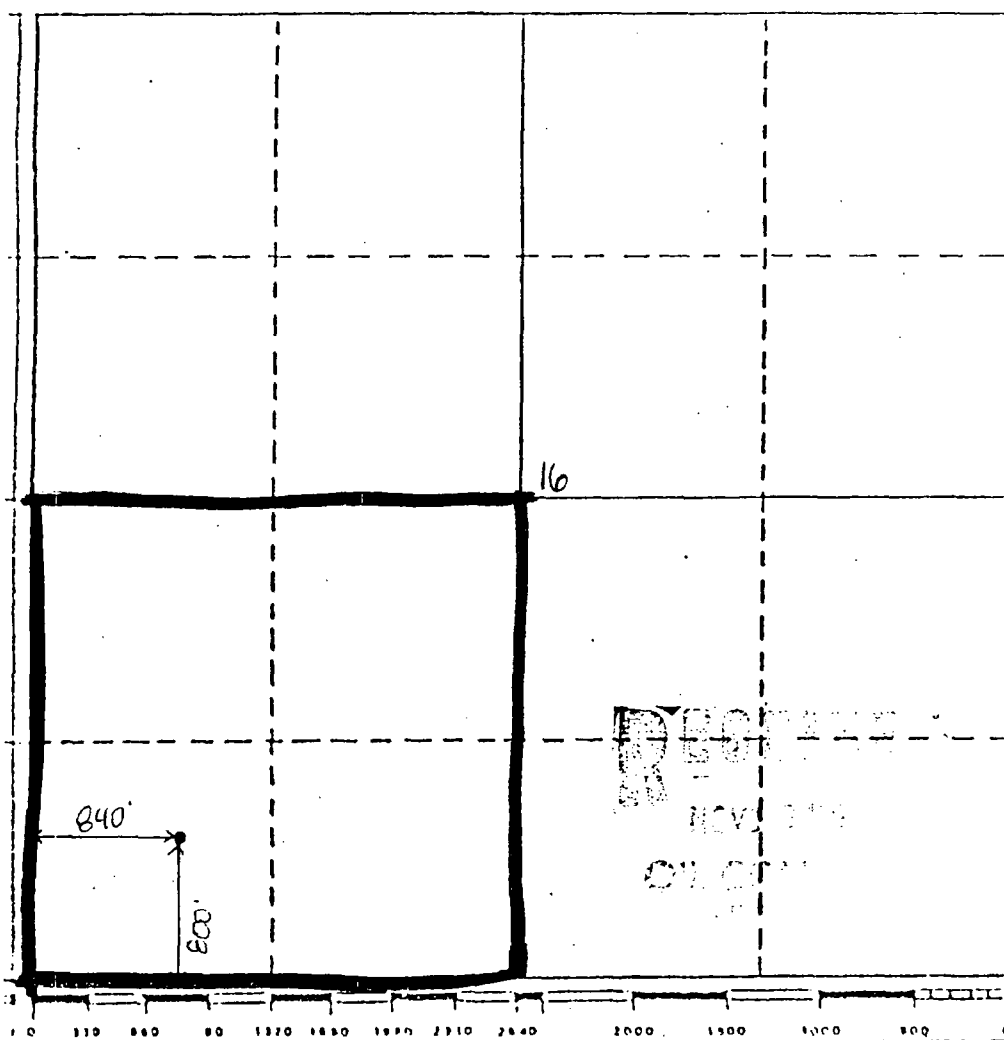
Operator Amoco Production Company			Lease Tapp LS		Well No. #4
Unit Letter LM	Section 16	Township 28N	Range 8W	County San Juan	
Actual Postage Location of Well: 800 feet from the South line and 840 feet from the West line					
Ground Level Elev. 5768' GR	Producing Formation Pictured Cliffs	Pool South Blanco Pictured Cliffs		Dedicated Acreage 160 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 \_\_\_\_\_

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 Division.



CERTIFICATION

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

Name J. L. Hampton

Position Sr. Staff Admin. Supr.

Company Amoco Production Co.

Date 11/8/90

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.

"on file"

Date Surveyed

Registered Professional Engineer  
and/or Land Surveyor

Certificate No.

## NEW MEXICO OIL CONSERVATION COMMISSION

## Well Location and Acreage Description Plat

Section A.

Date **JANUARY 31, 1958**

Operator **EL PASO NATURAL GAS COMPANY** Lease **TAPP** SF **078499**  
 Well No. **4 (PM)** Unit Letter **L** Section **16** Township **28 N** Range **8 W** NMPM  
 Located **800** Feet From **SOUTH** Line **840** Feet From **WEST** Line  
 County **SAN JUAN** G. L. Elevation **5768** Deducted Acreage **320 & 160** Acres  
 Name of Producing Formation **MESA VERDE & PICTURED CLIFF** Pool **BLANCO MV AND AZTEC PC EXT.**

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?

Yes ☒ No

2. If the answer to question one is "no", have the interests of all the owners been consolidated by a concentration agreement or otherwise? Yes No If answer is "Yes" Type of Consolidation

3. If the answer to question two is "no", list all the owners and their respective interests below.

Owner

Acres Description

RECEIVED  
 MAR 4 1958  
 U. S. GEOLOGICAL SURVEY  
 FARMINGTON, NEW MEXICO

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:

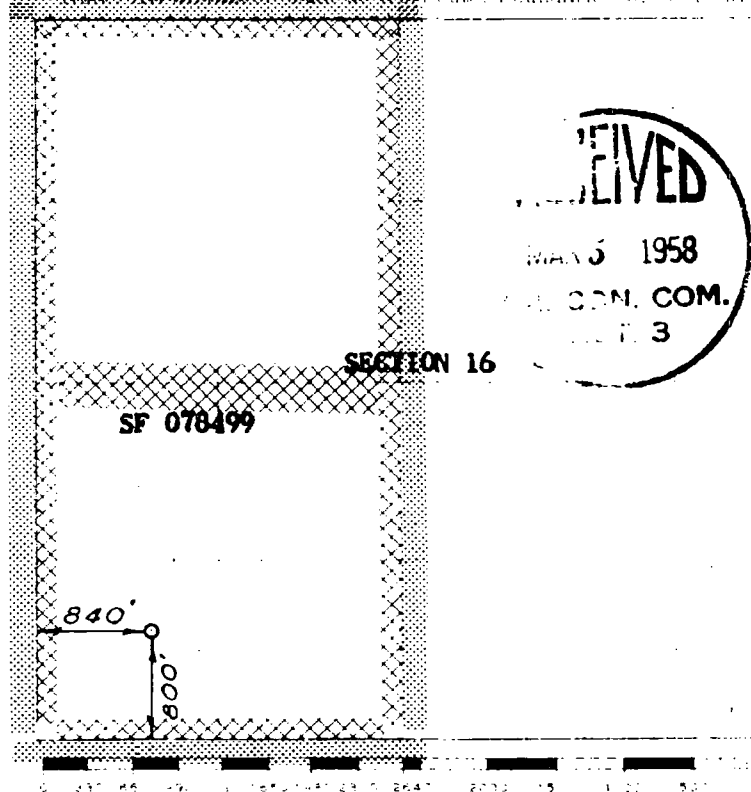
**ORIGINAL SIGNED H.E. McANALLY**  
 (Representative)

**Box 997**

(Address:

**Farmington, New Mexico**

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



**NOTE: THIS PLAT IS RE-ISSUED TO SHOW CORRECTED ELEVATION.**  
 2 3 58

**NOTE: THIS PLAT IS RE-ISSUED TO SHOW NEW LOCATION.**  
 2 28 58

Scale: 1 inch = 1 mile

This is to certify that this 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)

Farmington, New Mexico

Date Signed **SEPTEMBER 22, 1957**

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