

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.

RCVD JUN 20 '08
OIL CONS. DIV.
DIST. 3

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

Deputy Oil & Gas Inspector,

District #3

APPROVED BY: *[Signature]*

TITLE

DATE

JUN 24 2008

Conditions of Approval (if any):

DHC pending

CC: NMOCD AZTEC OFFICE

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'

297: CBL TOC @ 3400'

BAD Casing 3730-3660'

SQ cement 75 sxs and tested to 1900 psi

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'

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'

updated 6/09/08RWP

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

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District III
Well
1000 Rio Bravos Road Artec NM 87410

District IV
1220 S St Francis Dr Santa Fe NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107A
Revised June 10, 2003

Oil Conservation Division
1220 South St. Francis Dr.

APPLICATION TYPE
 X Single

Santa Fe, New Mexico 87505

 Establish Pre-Approved Pools
EXISTING WELLBORE
 X Yes No

APPLICATION FOR DOWNHOLE COMMINGLING

Operator **BP America Production Company** Address **P.O Box 3092 Houston, TX 77253**

Lease **Tapp LS** Well No. **4** Unit Letter-Section-Township-Range **Unit M Section 16 T28N, R08W** County **San Juan**

OGRID No. **000778** Property Code **001161** API No. **30-045-07412** Lease Type: X Federal State Fee

| DATA ELEMENT | UPPER ZONE | INTERMEDIATE ZONE | LOWER ZONE |
|---|--|--------------------------|--|
| Pool Name | (So.) Blanco Pictured Cliffs | Otero Chacra | Blanco Mesaverde |
| Pool Code | 71280 | 82329 | 72319 |
| Top and Bottom of Pay Section (Perforated or Open-Hole Interval) | 2182' – 2256' | (Estimate) 3140' – 3300' | 3826' – 4554' |
| Method of Production (Flowing or Artificial Lift) | Artificial Lift | Artificial Lift | Artificial Lift |
| Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone) | 460 psi | 425 | 590 |
| Oil Gravity or Gas BTU (Degree API or Gas BTU) | 1254 | 1023 | 1254 |
| Producing, Shut-In or New Zone | Producing | New Zone | Producing |
| 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.) | Date: Based on Decline (see attached) Rates: | Date: Rates: | Date: Based in Decline (see attached) Rates: |
| Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.) | Oil Gas % % | Oil Gas % % | Oil Gas % % |

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones?
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?
Yes X No
Yes No

Are all produced fluids from all commingled zones compatible with each other?
Yes X No

Will commingling decrease the value of production?
Yes No X

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

NMOCD Reference Case No. applicable to this well: _____

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 working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

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

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

TYPE OR PRINT NAME Cherry Hlava TELEPHONE NO. (281) 366-4081

| | | | | | | | | | | |
|--------------------------|------------|----------|-----|--------|-------|--------|--|--------|--------|------|
| 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 | Gas | |
| Date | mcf/d | Volume | | Date | mcf/d | Volume | | mcf/d | Volume | |
| | | MMSCF | | | | MMSCF | | | MMSCF | |
| Jan-08 | 104.15 | 3.23 | | Mar-11 | 76.41 | 2.37 | | May-14 | 55.88 | 1.73 |
| Feb-08 | 103.31 | 3.00 | | Apr-11 | 75.78 | 2.27 | | Jun-14 | 55.42 | 1.66 |
| Mar-08 | 102.47 | 3.18 | | May-11 | 75.16 | 2.33 | | Jul-14 | 54.96 | 1.70 |
| Apr-08 | 101.63 | 3.05 | | Jun-11 | 74.54 | 2.24 | | Aug-14 | 54.50 | 1.69 |
| May-08 | 100.80 | 3.13 | | Jul-11 | 73.93 | 2.29 | | Sep-14 | 54.05 | 1.62 |
| Jun-08 | 99.97 | 3.00 | | Aug-11 | 73.31 | 2.27 | | Oct-14 | 53.61 | 1.66 |
| Jul-08 | 99.15 | 3.07 | | Sep-11 | 72.71 | 2.18 | | Nov-14 | 53.17 | 1.60 |
| Aug-08 | 98.33 | 3.05 | | Oct-11 | 72.11 | 2.24 | | Dec-14 | 52.73 | 1.64 |
| Sep-08 | 97.52 | 2.93 | | Nov-11 | 71.52 | 2.15 | | Jan-15 | 52.29 | 1.62 |
| Oct-08 | 96.72 | 3.00 | | Dec-11 | 70.93 | 2.20 | | Feb-15 | 51.87 | 1.45 |
| Nov-08 | 95.93 | 2.88 | | Jan-12 | 70.14 | 2.17 | | Mar-15 | 51.46 | 1.60 |
| Dec-08 | 95.14 | 2.95 | | Feb-12 | 69.58 | 2.02 | | Apr-15 | 51.04 | 1.53 |
| Jan-09 | 94.61 | 2.93 | | Mar-12 | 69.02 | 2.14 | | May-15 | 50.62 | 1.57 |
| Feb-09 | 93.85 | 2.63 | | Apr-12 | 68.45 | 2.05 | | Jun-15 | 50.20 | 1.51 |
| Mar-09 | 93.11 | 2.89 | | May-12 | 67.89 | 2.11 | | Jul-15 | 49.79 | 1.54 |
| Apr-09 | 92.34 | 2.77 | | Jun-12 | 67.33 | 2.02 | | Aug-15 | 49.37 | 1.53 |
| May-09 | 91.58 | 2.84 | | Jul-12 | 66.78 | 2.07 | | Sep-15 | 48.97 | 1.47 |
| Jun-09 | 90.83 | 2.73 | | Aug-12 | 66.22 | 2.05 | | Oct-15 | 48.56 | 1.51 |
| Jul-09 | 90.08 | 2.79 | | Sep-12 | 65.68 | 1.97 | | Nov-15 | 48.16 | 1.45 |
| Aug-09 | 89.33 | 2.77 | | Oct-12 | 65.14 | 2.02 | | Dec-15 | 47.77 | 1.48 |
| Sep-09 | 88.59 | 2.66 | | Nov-12 | 64.61 | 1.94 | | Jan-16 | 47.24 | 1.46 |
| Oct-09 | 87.87 | 2.72 | | Dec-12 | 64.08 | 1.99 | | Feb-16 | 46.86 | 1.36 |
| Nov-09 | 87.14 | 2.61 | | Jan-13 | 63.72 | 1.98 | | Mar-16 | 46.48 | 1.44 |
| Dec-09 | 86.43 | 2.68 | | Feb-13 | 63.21 | 1.77 | | Apr-16 | 46.10 | 1.38 |
| Jan-10 | 85.70 | 2.66 | | Mar-13 | 62.71 | 1.94 | | May-16 | 45.72 | 1.42 |
| Feb-10 | 85.02 | 2.38 | | Apr-13 | 62.19 | 1.87 | | Jun-16 | 45.35 | 1.36 |
| Mar-10 | 84.35 | 2.62 | | May-13 | 61.68 | 1.91 | | Jul-16 | 44.98 | 1.39 |
| Apr-10 | 83.65 | 2.51 | | Jun-13 | 61.17 | 1.84 | | Aug-16 | 44.60 | 1.38 |
| May-10 | 82.96 | 2.57 | | Jul-13 | 60.67 | 1.88 | | Sep-16 | 44.23 | 1.33 |
| Jun-10 | 82.28 | 2.47 | | Aug-13 | 60.16 | 1.87 | | Oct-16 | 43.87 | 1.36 |
| Jul-10 | 81.61 | 2.53 | | Sep-13 | 59.67 | 1.79 | | Nov-16 | 43.51 | 1.31 |
| Aug-10 | 80.92 | 2.51 | | Oct-13 | 59.18 | 1.83 | | Dec-16 | 43.16 | 1.34 |
| Sep-10 | 80.26 | 2.41 | | Nov-13 | 58.69 | 1.76 | | Jan-17 | 42.91 | 1.33 |
| Oct-10 | 79.60 | 2.47 | | Dec-13 | 58.21 | 1.80 | | Feb-17 | 42.57 | 1.19 |
| Nov-10 | 78.94 | 2.37 | | Jan-14 | 57.72 | 1.79 | | Mar-17 | 42.23 | 1.31 |
| Dec-10 | 78.29 | 2.43 | | Feb-14 | 57.26 | 1.60 | | Apr-17 | 41.89 | 1.26 |
| Jan-11 | 77.64 | 2.41 | | Mar-14 | 56.81 | 1.76 | | May-17 | 41.54 | 1.29 |
| Feb-11 | 77.02 | 2.16 | | Apr-14 | 56.34 | 1.69 | | Jun-17 | 41.20 | 1.24 |

| | | | | | | | | |
|---------------------------|-------------------|---------------------|--------|-------------------|---------------------|--------|-------------------|---------------------|
| 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 | | | | | | | | |
| Date | Gas Rate mcf/d | Gas Volume MMSCF | Date | Gas Rate mcf/d | Gas Volume MMSCF | Date | Gas Rate mcf/d | Gas Volume 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 |

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

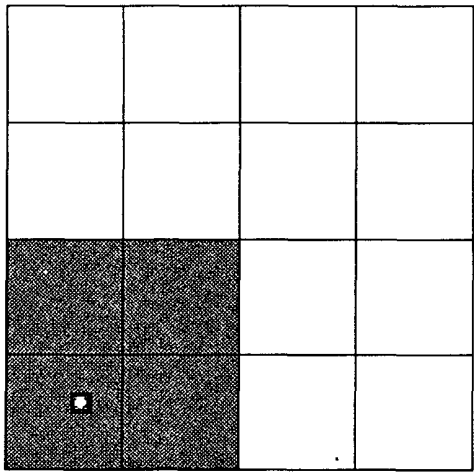
10. Surface Location

| | | | | | | | | | |
|----------------------|----------------------|------------------------|---------------------|---------|-------------------------|----------------------|-------------------------|----------------------|---------------------------|
| UL - Lot M | Section 16 | Township 28N | Range 08W | Lot Idn | Feet From 800 | N/S Line S | Feet From 840 | E/W Line W | County SAN JUAN |
|----------------------|----------------------|------------------------|---------------------|---------|-------------------------|----------------------|-------------------------|----------------------|---------------------------|

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 160.00 | 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

| | |
|---|---|
|  | <p align="center">OPERATOR CERTIFICATION</p> <p><i>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.</i></p> <p>E-Signed By: <i>Cherry Hlwa</i> Title: <i>Regulatory Analyst</i> Date: <i>6-13-08</i></p> <hr/> <p align="center">SURVEYOR CERTIFICATION</p> <p><i>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</i></p> <p>Surveyed By: <i>On File</i> Date of Survey: Certificate Number:</p> |
|---|---|

All distances must be from the outer boundaries of the section

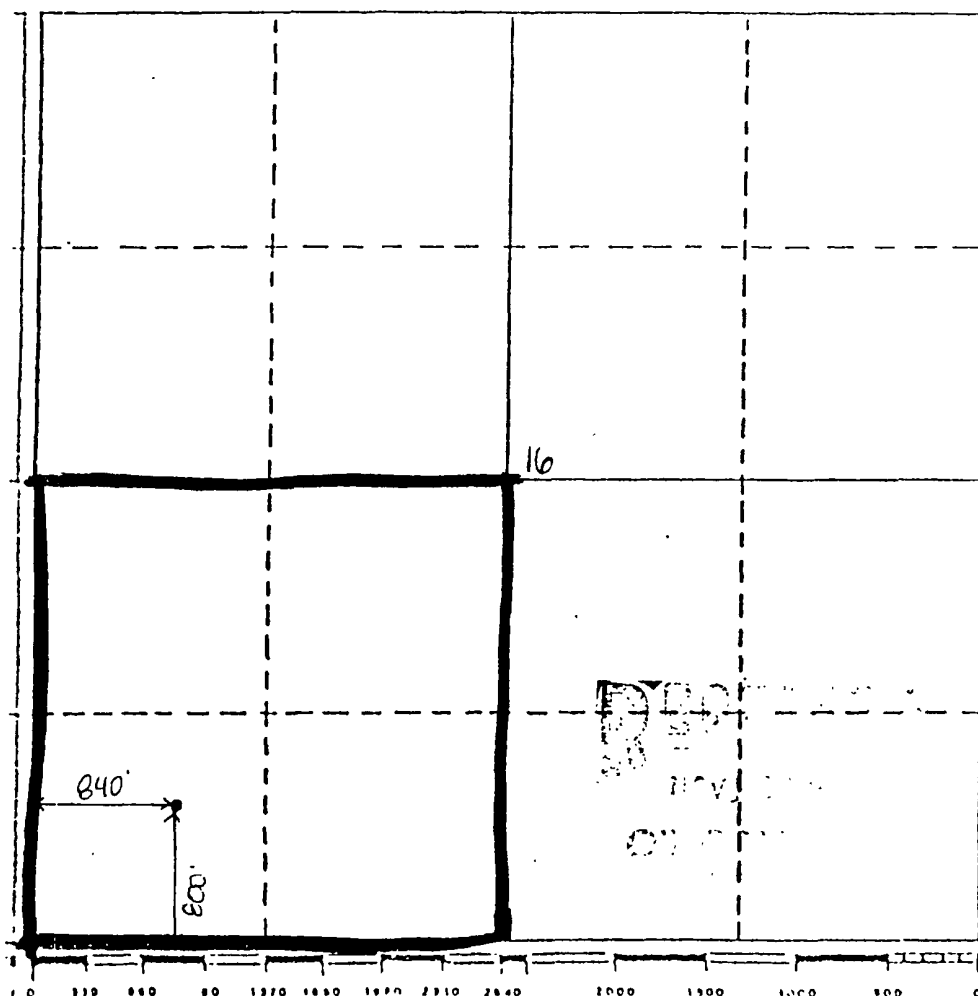
| | | | | | |
|--|--|-----------------|--------------------------------------|--------------------|--------------------------------|
| Operator Amoco Production Company | | | Lease Tapp LS | | Well No. #4 |
| Unit Letter LM | Section 16 | Township 28N | Range 8W | County San Juan | |
| Actual Footage 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.

J. L. Hampton
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 Log and Test Average Depth and Meter

Section A.

Date **JANUARY 31, 1958**

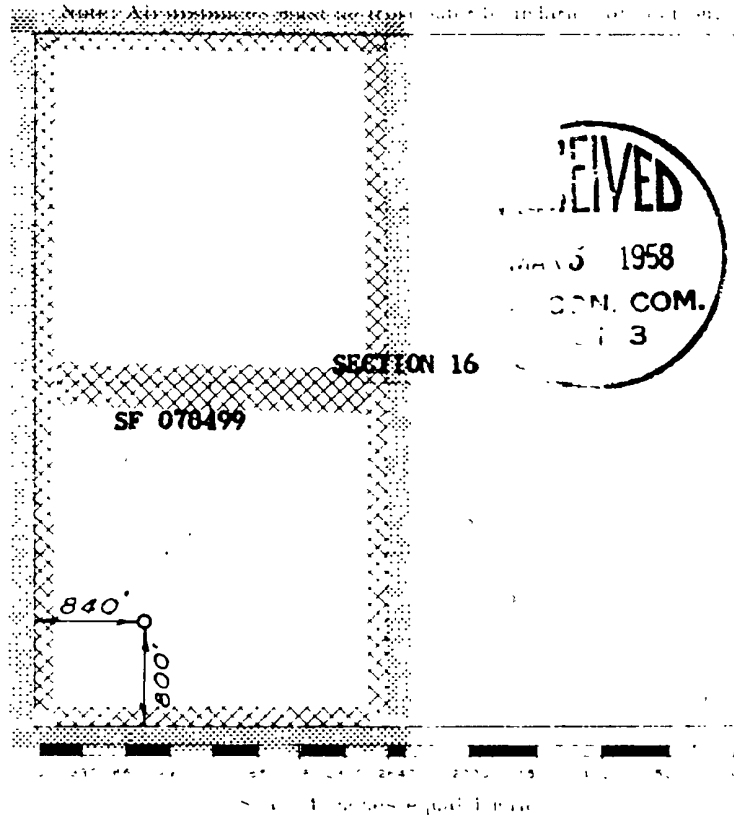
Operator **EL PASO NATURAL GAS COMPANY** TAPP **SF 078499**
 Well No. **4 (FM)** Unit Letter **L** Section **16** Township **28 N** Range **8 W** NMPM
 Elevation **800** Feet From **SOUTH** East **840** Feet From **WEST** Line
 County **SAN JUAN** G. L. Elevation **5768** Depth at Average **320 & 160** Acres
 Name of Producing Formation **MESA VERDE & PICTURED CLIFF** Pay **BLANCO MV AND AZTEC FC EXT.**
 Is the Operator the only owner herein? ☒ Yes ☐ No
 Is the answer to question one "No"? ☐ Yes ☒ No If so, give the name of the owner and the nature of the agreement or otherwise? ☐ Yes ☒ No If so, give the name of the owner and the nature of the agreement or otherwise?
 If the answer to question two is "No", list all the owners and the nature of the agreement or otherwise?
 Owner _____ Date of Agreement _____

RECEIVED
 MAY 1 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: 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

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

(Signed)

Farmington, New Mexico

Date **SEPTEMBER 22, 1957**

David O. Kilmer
 Registered Professional Engineer and a Licensed Surveyor