

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: November 30, 2000

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NMSF080597

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other  
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other \_\_\_\_\_

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator  
BP AMERICA PRODUCTION CO

Contact: MARY CORLEY  
E-Mail: corleyml@bp.com

8. Lease Name and Well No.  
GARTNER A 2B

3. Address P. O. BOX 3092  
HOUSTON, TX 77253

3a. Phone No. (include area code)  
Ph: 281.366.4491

9. API Well No.  
30-045-31006-00-X1

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface SENE 2340FNL 750FEL 36.47000 N Lat, 107.40500 W Lon

At top prod interval reported below

At total depth

10. Field and Pool, or Exploratory  
BLANCO MESAVERDE

Sec., T., R., M., or Block and Survey  
or Area Sec 28 T30N R8W Mer NMP

11. County or Parish  
SAN JUAN

13. State  
NM

14. Date Spudded  
06/01/2002

15. Date T.D. Reached  
06/05/2002

16. Date Completed  
☐ D & W ☒ Ready to Prod.  
07/15/2002

12. Elevations (DF, KB, RT, GL)\*  
6182 GL

18. Total Depth: MD  
TVD 5617

19. Plug Back T.D.: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
TDT CBL

22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit analysis)  
Directional Survey? ☒ No ☐ Yes (Submit analysis)

**23. Casing and Liner Record (Report all strings set in well)**

| Hole Size | Size/Grade | Wt. (#/ft.) | Top (MD) | Bottom (MD) | Stage Cementer Depth | No. of Sk. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|------------|-------------|----------|-------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 13.500    | 9.625 H-40 | 32.0        | 0        | 146         |                      | 176                         |                   | 0           |               |
| 8.750     | 7.000 J-55 | 20.0        | 0        | 2551        |                      | 325                         |                   |             |               |
| 6.250     | 4.500 J-55 | 12.0        | 2412     | 5616        |                      | 193                         |                   | 2412        |               |
|           |            |             |          |             |                      |                             |                   |             |               |
|           |            |             |          |             |                      |                             |                   |             |               |
|           |            |             |          |             |                      |                             |                   |             |               |

**24. Tubing Record**

| Size  | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|-------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 2.375 | 5213           |                   |      |                |                   |      |                |                   |

**25. Producing Intervals**

**26. Perforation Record**

| Formation    | Top  | Bottom | Perforated Interval | Size  | No. Holes | Perf. Status |
|--------------|------|--------|---------------------|-------|-----------|--------------|
| A) MESAVERDE | 4469 | 5442   | 4469 TO 4781        | 3.130 | 52        |              |
| B)           |      |        | 4836 TO 5075        | 3.130 | 46        |              |
| C)           |      |        | 5138 TO 5442        | 3.130 | 50        |              |
| D)           |      |        |                     |       |           |              |

**27. Acid, Fracture, Treatment, Cement Squeeze, Etc.**

| Depth Interval | Amount and Type of Material                        |
|----------------|----------------------------------------------------|
| 4469 TO 4781   | 103,087# OF 16/30 BRADY SAND, 70% QUALITY FOAM & N |
| 4836 TO 5075   | 84,756# OF 16/30 BRADY SAND, 70% QUALITY FOAM & N2 |
| 5138 TO 5442   | 106,275# OF 16/30 BRADY SAND, 70% QUALITY FOAM & N |

**28. Production - Interval A**

| Date First Produced | Test Date         | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 07/15/2002          | 07/15/2002        | 12           | →               | 1.0     | 594.0   | 0.0       |                       |             | FLOWS FROM WELL   |
| Choke Size          | Tbg. Press. Flwg. | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |
| 3/4                 | SI                | 175.0        | →               |         |         |           |                       | PGW         |                   |

**28a. Production - Interval B**

| Date First Produced | Test Date         | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
|                     |                   |              | →               |         |         |           |                       |             |                   |
| Choke Size          | Tbg. Press. Flwg. | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |
|                     | SI                |              | →               |         |         |           |                       |             |                   |

**ACCEPTED FOR RECORD**

JUL 22 2002

FARMINGTON FIELD OFFICE  
BY *[Signature]*

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #12895 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\***

**NMOC**

## 28c. Production - Interval C

| Date First Produced | Test Date            | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
|                     |                      |              | →               |         |         |           |                       |             |                   |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |
|                     |                      |              | →               |         |         |           |                       |             |                   |

## 28c. Production - Interval D

| Date First Produced | Test Date            | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
|                     |                      |              | →               |         |         |           |                       |             |                   |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |
|                     |                      |              | →               |         |         |           |                       |             |                   |

29. Disposition of Gas(Sold, used for fuel, vented, etc.)  
SOLD

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

| Formation  | Top  | Bottom | Descriptions, Contents, etc. | Name            | Top         |
|------------|------|--------|------------------------------|-----------------|-------------|
|            |      |        |                              |                 | Meas. Depth |
| SAN JOSE   | 0    | 431    |                              | FRUITLAND COAL  | 2890        |
| NACIMIENTO | 431  | 1774   |                              | PICTURED CLIFFS | 3005        |
| OJO ALAMO  | 1774 | 1960   |                              | LEWIS SHALE     | 3096        |
|            |      |        |                              | CLIFF HOUSE     | 4450        |
|            |      |        |                              | MENEFEE         | 4830        |
|            |      |        |                              | POINT LOOKOUT   | 5120        |
|            |      |        |                              | MANCOS          | 5500        |

32. Additional remarks (include plugging procedure):  
Please see attached for Subsequent Report.

## 33. Circle enclosed attachments:

- |                                                       |                    |               |                       |
|-------------------------------------------------------|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.)     | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis   | 7 Other:      |                       |

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #12895 Verified by the BLM Well Information System.  
For BP AMERICA PRODUCTION CO, sent to the Farmington  
Committed to AFMSS for processing by Adrienne Garcia on 07/22/2002 (02AXG0382SE)**

Name (please print) MARY CORLEY Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission) Date 07/18/2002

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

**\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\***

**GARTNER A 2B  
COMPLETION SUBSEQUENT REPORT  
07/18/2002**

06/11/2002 RU & run TDT & CBL logs. RU & NU Frac head & Frac valve – test liner to 3000#. HELD OK.

06/19/2002 RU & Perf and perf Point Lookout with 2 SPF, 120° phasing as follows:  
5442', 5430', 5416', 5396', 5386', 5377', 5368', 5348', 5329', 5307', 5298', 5283', 5278',  
5272', 5263', 5256', 5233', 5226', 5218', 5212', 5192', 5181', 5153', 5143', 5138'

RU & Frac w/106,275# of 16/30 Brady Sand, 70% Quality Foam & N2. RU, TIH & set CIBP @ 5108'. RU & perf Menefee with 2 SPF, 120° phasing as follows:  
5075', 5066', 5062', 5056', 5050', 5044', 5036', 5025', 5015', 5002', 4997', 4992', 4988',  
4964', 4926', 4921', 4914', 4906', 4900', 4891', 4879', 4856', 4836'

RU & Frac w/84,756# of 16/30 Brady Sand, 70% Quality Foam & N2. RU, TIH & set CIBP @ 4814'. RU & perf Cliff House with 2 SPF, 120° phasing as follows:  
4781', 4776', 4770', 4739', 4731', 4721', 4710', 4698', 4693', 4682', 4668', 4645', 4638',  
4615', 4606', 4593', 4589', 4558', 4546', 4532', 4509', 4505', 4500', 4480', 4473', 4469'

RU & Frac w/103,087# of 16/30 Brady Sand, 70% Quality Foam & N2. ND Frac & NU Flow back head. SI well.

06/20/2002 Open well on ½" choke for 8 hrs. Upsized choke to ¾" & flow back pure N2.

06/25/2002 TIH & tag fill @ 4769'. C/O to CIBP set @ 4618'. Circ clean. RU & run Tracer Log. TIH & DO CIBPs set @ 4814' & 5018'. PU above liner & flow well on ¾" choke w/watchman.

06/27/2002 TIH & C/O to PBTD @ 5813'. PU above liner & flow well to pit thru ¾" choke w/watchman.

06/28/2002 TIH & tag 84' of fill. C/O to PBTD. PU above liner & flow well to pit on ¾" choke.

07/01/2002 TIH & tag 52' of fill. C/O to PBTD. TOH. TIH w/CIBP & set @ 5200'. Fill hole & pressure test. Test OK. Obtained verbal approval from Jim Lovato, BLM, to perform CMT SQZ on July 1, 2002. TIH & shot SQZ holes @ 4050' & @ 2635'.

07/02/2002 TIH W/CMT retainer & set @ 3950'. RU & pump 230 SXS of CMT. Lost circ @ very last of displacement. TOH w/retainer. Pressured up to 500 psi on CMT & SI well.

07/03/2002 TIH & checked for CMT – no CMT over top perf. RU & pressure test to 1000#. Leaking off 100# every 30 sec. RU & spot 2 BBLS of CMT over hole. PU above liner. Start pressuring up on CMT to 500 psi. SDFN.

**07/05/2002 TOH. TIH & tag CMT 15' above SQZ hole. DO CMT & pressure test to 1000#. Held OK. TIH to CMT retainer. Tag 167' of CMT. Start to DO CMT & CMT retainer. PU above liner & SDFN.**

**07/08/2002 Finish DO of 96' of hard CMT & 30' of stringers. Pressure test bottom SQZ – test failed.**

**07/09/2002 TIH & set PKR @ 3965'. Pressure test back side. Held. OK. RU & pump 100 SXS of CMT. SDFN.**

**07/10/2002 Release PKR & TOH. TIH & tag CMT @ 3877'. DO 188' of hard CMT. Circ hole clean. RU & pressure test CSG to 600#. Held OK. TIH in hole to liner & SDFN.**

**07/11/2002 TIH to CIBP set @ 5200' & DO. TIH & tag fill. C/O to 5513'. PU above liner & flow well to pit thru 3/4" choke.**

**07/12/2002 Flow back well thru 3/4" choke. TIH & tag 66' of fill. C/O to PBTD. RU & prep for flow test.**

**07/13/2002 Flow test well 12 hrs. thru 3/4" choke. 594 MCF Gas, trace WTR, Trace oil.**

**07/15/2002 TIH & tag 27' of fill. C/O to PBTD. Circ clean. RU & TIH w/BHA & TBG plug. TIH w/ 2 3/8" production TBG & land @ 5213'. ND BOP. NUWH. Pull TBG plug.**

**07/16/2002 RD & MOSU. Rig Release @ 11:00 hrs.**