

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.  
NMSF078039

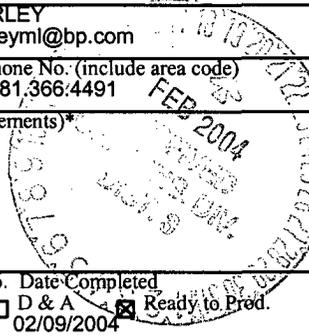
1a. Type of Well  Oil Well  Gas Well  Dry  Other  
 b. Type of Completion  New Well  Work Over  Deepen  Plug Back  Diff. Resvr.  
 Other \_\_\_\_\_

2. Name of Operator **BP AMERICA PRODUCTION CO** Contact: **MARY CORLEY**  
 E-Mail: **corleyml@bp.com**

3. Address **P. O. BOX 3092 HOUSTON, TX 77253** 3a. Phone No. (include area code) **281.366.4491**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface **Sec 27 T32N R11W Mer NMP NWNE 845FNL 2115FEL**  
 At top prod interval reported below  
 At total depth

6. If Indian, Allottee or Tribe Name  
 7. Unit or CA Agreement Name and No.  
 8. Lease Name and Well No. **BARNES A 18R**  
 9. API Well No. **30-045-31936-00-C1**  
 10. Field and Pool, or Exploratory **BLANCO MV / BASIN DAKOTA**  
 11. Sec., T., R., M., or Block and Survey or Area **Sec 27 T32N R11W Mer NMP**  
 12. County or Parish **SAN JUAN** 13. State **NM**  
 14. Date Spudded **12/30/2003** 15. Date T.D. Reached **01/13/2004** 16. Date Completed  D & A  Ready to Prod. **02/09/2004**  
 17. Elevations (DF, KB, RT, GL)\* **6519 GL**



18. Total Depth: **MD 7893 TVD** 19. Plug Back T.D.: **MD 7890 TVD** 20. Depth Bridge Plug Set: **MD TVD**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
**OBH**

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        | 297         |                      | 220                         |                   | 0           |               |
| 8.750     | 7.000 J-55 | 20.0        | 0        | 3940        | 38                   | 580                         |                   |             |               |
| 6.250     | 4.500 J-55 | 12.0        | 0        | 7892        |                      | 385                         |                   |             |               |

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 | 7827           |                   |      |                |                   |      |                |                   |

25. Producing Intervals

| Formation | Top  | Bottom | Perforated Interval | Size  | No. Holes | Perf. Status |
|-----------|------|--------|---------------------|-------|-----------|--------------|
| A) DAKOTA | 7700 | 7853   | 7700 TO 7853        | 0.340 | 60        |              |
| B)        |      |        |                     |       |           |              |
| C)        |      |        |                     |       |           |              |
| D)        |      |        |                     |       |           |              |

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

| Depth Interval | Amount and Type of Material              |
|----------------|--|
| 7700 TO 7853   | 65,990# OF 20/40 BRADY SAND & SLICKWATER |

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 |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 01/27/2004          | 02/06/2004        | 12           | →               | 1.0     | 230.0   | 1.0       |                       |             | 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                | 65.0         | →               | 2       | 460     | 2         |                       | 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 |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
|                     |                   |              | →               |         |         |           |                       |             | FLOWS FROM WELL   |
| Choke Size          | Tbg. Press. Flwg. | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |
|                     | SI                |              | →               |         |         |           |                       |             |                   |

ACCEPTED FOR RECOMPL.  
 FEB 18 2004  
 FARMINGTON FIELD OFFICE  
 BY [Signature]

(See Instructions and spaces for additional data on reverse side)  
 ELECTRONIC SUBMISSION #27990 VERIFIED BY THE BLM WELL INFORMATION SYSTEM  
 \*\* BLM REVISED \*\*

NMOCD

✓ 28b. 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.)  
FLARED

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 |
| OJO ALAMO  | 0    | 264    |                              | PICTURED CLIFFS | 3252        |
| SAN JOSE   | 264  | 1444   |                              | CLIFF HOUSE     | 4767        |
| NACIMIENTO |      |        |                              | MENEFEE         | 5161        |
| KIRTLAND   | 1444 |        |                              | POINT LOOKOUT   | 5559        |
|            |      |        |                              | MANCOS          | 5902        |
|            |      |        |                              | GREENHORN       | 7571        |
|            |      |        |                              | DAKOTA          | 7630        |

32. Additional remarks (include plugging procedure):

Please see attached for well subsequent Report. Production is downhole commingled with the Mesaverde.

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 #27990 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 02/18/2004 (04AXG0641SE)**

Name (please print) MARY CORLEY Title AUTHORIZED REPRESENTATIVE

Signature \_\_\_\_\_ (Electronic Submission) Date 02/17/2004

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.

**Barnes A 18R**  
**COMPLETION SUBSEQUENT REPORT**  
**02/17/2004**

01/16/2004 RU & run CBL log under 1000# pressure. Pressure test CSG to 3500# test ok.

01/22/2004 RU & Perf the Dakota with 4 SPF, 90° phasing as follows: .340 inch diameter, 15 Shots / 60 Holes

7853, 7849, 7833, 7814, 7811, 7797, 7789, 7780, 7771, 7741, 7733, 7719, 7715, 7707, 7700

01/23/2004 RU & Frac w/65,990# of 20/40 Brady Sand & Slickwater. RU & TIH w/CIBP & set @ 5900'. RU & load hole w/2% KcL WTR. Pressure test CSG to 1500 psi. RU & perf Point Lookout & Menefee, 120° phasing as follows, .330 inch diameter, 3 JSPF 20 Shots / 60 Holes

5723, 5659, 5642, 5636, 5603, 5591, 5583, 5576, 5570, 5563, 5554, 5542, 5522,  
5453, 5435, 5419, 5410, 5390, 5337, 5303

01/24/2004 RU & Frac w/100,875# of 16/30 Brady Sand, 70% Quality Foam & N2. RU, TIH & set CIBP @, 5286'. RU & perf Menefee & Cliffhouse, 120° phasing as follows: .330 inch diameter, 3 JSPF 20 Shots / 60 Holes

5241, 5233, 5226, 5157, 5143, 5131, 5120, 5110, 5099, 5088, 5077, 5066,  
5040, 5018, 5009, 4920, 4882, 4873, 4779, 4772

RU & Frac w/97,475# of 16/30 Brady Sand, 70% Quality Foam & N2. ND Frac & NU Flow back head. Opened well on ¼" choke & flow back for 6 hrs. Upsized choke to ½" & flow back overnight – flowing all N2.

01/25/2004 Flowed back thru ½" choke.

01/26/2004 Flowed back thru ½" choke. @ 12:00 upsized to ¾" choke & flowed back overnight.

01/27/2004 Flowed back thru ¾" choke. TIH & tag fill @ 5185'. PU above perms & flowed back overnight thru ¾" choke.

01/28/2004 TIH & tag fill @ 5200'. C/O to CIBP set @ 5286'. DO CIBP. TIH & tag fill @ 5862'. C/O to CIBP @ 5900'. PU above perms & flow back thru ¾" choke overnight..

01/29/2004 Flowed back well thru ¾" choke. TIH & tag fill @ 5869'. C/O to CIBP. PU above perms & flow back thru ¾" choke overnight.

01/30/2004 TIH & tag fill @ 5875'. C/O to CIBP. PU above perms & flow back well thru ¾" choke overnight.

01/12/2004 TIH & tag fill @ 5682'. C/O to CIBP @ 5690' & DO. PU above perms & flow back well thru ¾" choke over weekend.

02/02/2004 TIH & tag CIBP. DO CIBP. TIH & tag fill @ 6700'. PU above perms & flow back thru ¾" choke overnight.

02/03/2004 TIH & tag fill @ 7806'. C/O to PBTB @ 7890'. PU above perms & flow back thru 3/4" choke overnight.

02/04/2004 Flowed back thru 3/4" choke overnight.

02/05/2004 TIH & tag fill @ 7858'. C/O to PBTB. PU above perms & flow back thru 3/4" choke overnight.

02/06/2004 TIH w/PKR & set @ 7630. RU & flow test Dakota up TBG & Mesaverde up the CSG. Dakota test: thru 3/4" choke for 12 hrs. 230 MCF gas, FTP 75#, Trace WTR, Trace oil. Mesaverde test: thru 3/4" choke for 12 hrs. 430 MCF gas, FCP 75#, Trace WTR, Trace oil. Secure well & shut in.

02/07/2004 Blow down well. Release PKR & TOH. Secure well & SI overnight.

02/09/2004 RU & TIH w/BHA & TBG plug. TIH w/ 2 3/8" production TBG & land @ 7827'. ND BOP. NUWH. Pull TBG plug. RDMOSU. Rig Release @ 17:30 hrs.