

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.  
NMSF078096

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: corleym1@bp.com

8. Lease Name and Well No.  
MUDGE B 12B

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

9. API Well No.  
30-045-30758-00-X1

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface Sec 17 T31N R11W Mer NMP  
NWSE 1320FSL 2180FEL

10. Field and Pool, or Exploratory  
BLANCO MESAVERDE

At top prod interval reported below  
Sec 17 T31N R11W Mer NMP  
At total depth NESE Lot 1 1980FSL 900FEL 36.53700 N Lat, 108.00700 W Lon.

11. Sec., T., R., M., or Block and Survey  
for Area Sec 17 T31N R11W Mer NMP

12. County or Parish  
SAN JUAN  
13. State  
NM

14. Date Spudded  
01/13/2003  
15. Date T.D. Reached  
01/12/2003  
16. Date Completed  
☐ D & A ☒ Ready to Prod  
02/22/2003

17. Elevations (DF, KB, RT, GL)\*  
6317 GL

18. Total Depth: MD 7806  
TVD 6731  
19. Plug Back T.D.: MD 6050  
TVD  
20. Depth Bridge Plug Set: MD  
TVD

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

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	232		218		0	
8.750	7.000 J-55	20.0	0	3569		434		0	
6.250	4.500 J-55	12.0	0	6050		166 186		3469	

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	5770							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	4809	5770	4809 TO 5291	0.390	60	
B)			5357 TO 5770	0.330	58	
C)						
D)						

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

Depth Interval	Amount and Type of Material
4809 TO 5291	102,148# OF 16/30 BRADY SAND, 70% QUALITY FOAM & N
5357 TO 5770	113,953# 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
02/19/2003	02/21/2003	12	→	1.0	1150.0	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	180.0	→					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		→						

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

ELECTRONIC SUBMISSION #18956 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

NMOCD

ACCEPTED FOR RECORD

MAR 04 2003

FARMINGTON FIELD OFFICE

## 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.)  
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
OJO ALAMO NACIMIENTO KIRTLAND	0 1280	1280		PICTURED CLIFFS LEWIS SHALE CLIFF HOUSE MENEFE POINT LOOKOUT MANCOS	3178 3454 4689 5046 5474 5851

## 32. Additional remarks (include plugging procedure):

Please see attached for well completion activity 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 #18956 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 03/04/2003 (03AXG0782SE)**

Name (please print) MARY CORLEY

Title AUTHORIZED REPRESENTATIVE

Signature \_\_\_\_\_ (Electronic Submission)

Date 02/27/2003

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 \*\***

**MUDGE B 12B  
COMPLETION SUBSEQUENT REPORT  
02/26/2003**

02/03/2003 RU & NU Frac head & Frac valve – test liner to 1000#. HELD OK. RU & run TDT & CBL logs.

02/05/2003 RU & perf Point Lookout w/2 SPF, .330 inch diameter, 120° phasing as follows: 29 Shots / 58 Holes

5770', 5737', 5658', 5627', 5612', 5604', 5590', 5578', 5572', 5562', 5555', 5546', 5539',  
5532', 5526', 5519', 5512', 5504', 5497', 5490', 5482', 5476', 5468', 5443', 5424', 5416',  
5387', 5374', 5357'

02/06/2003 RU & Frac w/113,953# of 16/30 Brady Sand, 70% Quality Foam & N2. RU, TIH to set CIBP & hung up. TOH leaving CIBP & 10' of perf gun down hole. Secure well & SDFN.

02/10/2003 RU & ND Frac Y & NU BOP on frac valve. Open well to pit, 1<sup>st</sup> on ¼", then ½", & finally on ¾" chokes. SI & kill well. Secure well & SDFN.

02/11/2003 RU & kill well w/2% KcL. TIH & tag fish @ 5564'. Worked fish free & TOH. Secure well & SDFN.

02/12/2003 TIH to 6030'. PU above perms & flow well natural to pit.

02/13/2003 TOH. ND EQUIP & ND BOP. RU, TIH w/ CIBP & set @ 5338'. RU & perf Menefee w/2 SPF, .390 inch diameter, 120° phasing as follows: 16 Shots / 32 Holes

5291', 5277', 5267', 5260', 5240', 5210', 5170', 5149', 5074', 5045', 5040',  
5032', 5024', 5014', 5006', 4976'

Perf gun became stuck before firing final barrel. RU flow line & flow well to pit.

02/14/2003 TOH w/wire line & found that W L separated @ shear tool. RD W L. NU BOP on frac valve. TIH w/fishing tools & tag fish @ 4832'. Fish came loose. Chased fish to CIBP & latch onto fish. TIH. SD for WE.

02/17/2003 TIH & perf remaining section of Menefee perms w/2 JSPF, .390 inch diameter: 16 Shots / 32 Holes

4970', 4959', 4936', 4921', 4915', 4902', 4894', 4886', 4878', 4872', 4858',  
4850', 4841', 4833', 4813', 4809'

RU & Frac w/102,148# of 16/30 Brady Sand, 70% Quality Foam & N2. ND Frac & NU Flow back head. Flow back well on ¼" choke for 2 hrs. Upsized to ½" choke & flowed back overnight.

02/18/2003 Flowed back thru ½" choke. @ 07:00 hrs upsized to ¾" choke & flowed back well overnight.

02/19/2003 TIH & tag fill @ 5308'. C/O CIBP set @ 5338'. RU & flow back well thru ¾" choke.

02/20/2003 TIH & tag fill @ 5835'. C/O to CIBP. DO CIBP. C/O well to 6000'. Circ clean. RU & flow back well overnight thru  $\frac{3}{4}$ " choke.

02/21/2003 RU & Flow test well 12 hrs. thru  $\frac{3}{4}$ " choke. 1150 MCF Gas, trace WTR, Trace oil. RU & TIH & tag fill @ 5990'. Circ hole clean to PBTD @ 6050'. RU & flow back well thru  $\frac{3}{4}$ " choke overnight.

02/22/2003 TIH & tag BTM – 0 fill. RU & TIH w/BHA & TBG plug. TIH w/ 2 3/8" production TBG & land @ 5770'. ND BOP. NUWH. Pull TBG plug. RD & MOSU. Rig Release @ 15:00 hrs.