

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.  
NMSF078194

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: CHERRY HLAVA  
E-Mail: HLAVAL@BP.COM

8. Lease Name and Well No.  
LUDWICK A 1M

3. Address 200 ENERGY CT  
FARMINGTON, NM 87402

3a. Phone No. (include area code)  
Ph: 281.366.4081

9. API Well No.  
30-045-32076-00-C1

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
Sec 19 T30N R10W Mer NMP  
At surface SENW Lot F 2410FNL 1440FWL 36.47900 N Lat, 107.55700 W Lon

10. Field and Pool, or Exploratory  
BLANCO MV / BASIN DAKOTA

11. Sec., T., R., M., or Block and Survey  
or Area Sec 19 T30N R10W Mer NMP

12. County or Parish  
SAN JUAN

13. State  
NM

At top prod interval reported below  
At total depth

14. Date Spudded  
10/20/2004

15. Date T.D. Reached  
01/05/2005

16. Date Completed  
02/01/2005  
☒ D & A ☒ Ready to Prod.

17. Elevations (DF, KB, RT, GL)\*  
6289 GL

18. Total Depth: MD 7445  
TVD

19. Plug Back T.D.: MD  
TVD

20. Depth Bridge Plug Set: 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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	9.625 H-40	32.0	0	145		81		0	
8.750	7.000 J-55	20.0	0	3136		357		0	
6.250	4.500 J-55	11.6	0	7444		420		2150	

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	7290							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) DAKOTA	7173	7397	7173 TO 7397	3.130		
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7173 TO 7397	80,630# 20/40 CARBALITE SND

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
02/02/2005	01/23/2005	12	→	1.0	405.0	1.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
.750		60.0	→	2	810	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
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

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

ELECTRONIC SUBMISSION #53924 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

NMOC

ACCEPTED FOR RECORD

FEB 10 2005

FARMINGTON FIELD OFFICE  
BY BLM REVISED

## 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.)  
CAPTURED

## 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
NACIMIENTO OJO ALAMO	0	1430		LEWIS SHALE CLIFF HOUSE MENEFE POINT LOOKOUT MANCOS GREENHORN GRANEROS DAKOTA	2957
	1430	1550			4328 4577 5086 5475 7059 7114 7170

32. Additional remarks (include plugging procedure):  
Please see attached subsequent completion 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 #53924 Verified by the BLM Well Information System.**  
**For BP AMERICA PRODUCTION CO, sent to the Farmington**  
**Committed to AFMSS for processing by ADRIENNE BRUMLEY on 02/10/2005 (05AXB0768SE)**

Name (please print) CHERRY HLAVATitle AGENT

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

Date 02/09/2005

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 \*\***

**Ludwick A 1M**  
**Completion Subsequent Report**  
**02/07/2005**

**4 1/2" CSG, TOP OF CEMENT @ 2150'.**

01/12/05 RU PRES TST BOP BLIND & PIPE RAMS 2500# HIGH & 250# LOW. OK. TIH & DRILL CMT OFF TOP OF DV TOOL @4312'.

1/07/05 RUN CMT BOND LOG. TOP OF CMT @2150'. RUN TDT LOG

1/18/05 PRES TEST CSG TO 4500#. HELD PRES FOR 15 MIN. OK.

1/20/05 TIH w/3.125" GUN & PERF DK 7173' – 7397' @ 4 JSPR. PRES TEST LINES TO 5500# OK. TIH & FRAC DK w/ 60,360# 20/40 CARBALITE SAND, IN A SLICKWTR FRAC PACK. DN 4.5" CSG.

1/23/05 FLW TEST DK 405 MCF 12 hr. 60#

1/25/05 TIH & SET CIBP @5392'. TIH w/3.125" GUN & PERF MV 4997' – 5287' @ 3 JSPF.

1/26/05 PRESS TST @5500# OK. TIH & FRAC MV w/12 bbls OF 15% HCL, BRK PRES @880# PMP 70Q FOAM PAD, 98,051# OF 16/30 BRADY SND, 20,056# of BRADY SND w/PROPNET, FLUSHED w/ 70Q FOAM TO TOP PERF. SHUT DN

1/28/05 FLW TEST MV @ 860 MCF 12 hrs. 120#

1/31/05 DRILL OUT CIBP @5392'. FLOW WELL TO FLARE PIT ON 3/4" ck.

2/1/05 TIH & LAND TBG @7290'.

2/2/05 RIG DN MOVE OFF LOCATION