Form 3160-4
(August 1999)

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.
NMNM04208

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: HLAVACL@BP.COM

8. Lease Name and Well No.
MCCULLEY LS 4S

3. Address PO BOX 3092
HOUSTON, TX 77253

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

9. API Well No.
30-045-32426-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
Sec 14 T28N R9W Mer NMP
At surface SWNW 1490FNL 910FWL 36.66528 N Lat, 107.76389 W Lon
At top prod interval reported below
Sec 14 T28N R9W Mer NMP
At total depth NENW 789FNL 1821FWL

10. Field and Pool, or Exploratory
BASIN FRUITLAND COAL

11. Sec., T., R., M., or Block and Survey or Area Sec 14 T28N R9W Mer NMP

12. County or Parish
SAN JUAN

13. State
NM

14. Date Spudded
12/08/2004

15. Date T.D. Reached
12/23/2004

16. Date Completed
☐ D & A ☒ Ready to Prod.
02/15/2005

17. Elevations (DF, KB, RT, GL)*
5896 GL

18. Total Depth: MD 2680 TVD 2380

19. Plug Back T.D.: MD 2680 TVD 2380

20. Depth Bridge Plug Set: MD TVD

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

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	8.625 H-40	20.0	0	134		180		0	
7.875	5.500 J-55	15.5	0	2676		355		0	

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	2431							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	FRUITLAND COAL	2400	2456	2400 TO 2456	4.000		
B)							
C)							
D)							

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

Depth Interval	Amount and Type of Material
2400 TO 2456	325324# 20/40 BRADY SND; 70Q FOAM & N2

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
03/04/2005	02/14/2005	12	→	1.0	600.0	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	30.0	→	2	1200	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 #54697 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

ACCEPTED FOR RECORD
MAR 0 7 2005
FARMINGTON FIELD OFFICE
BY

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.)*
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
SAN JOSE	0	35		OJO ALAMO	1273
NACIMIENTO	35	1154		KIRTLAND	1442
OJO ALAMO	1154	1317		FRUITLAND	2190
				FRUITLAND COAL	2301
				PICTURED CLIFFS	2508

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 #54697 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 03/07/2005 (05AXB0908SE)

Name *(please print)* CHERRY HLAVA Title AGENT

Signature (Electronic Submission) Date 03/03/2005

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 fradulent statements or representations as to any matter within its jurisdiction.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

McCulley LS 4S

Completion Subsequent Report
30-045-32426
02/23/2005

02/03/05 MOVE IN RIG UP. NU BOP ON TOP FRAC VLV. TIH PERF 4 SQZ HOLES @2398'. Rig DN. PRESS UP ON SQZ HOLE TO 800# BROKE BACK TO 400# PMP 2 ½ BPM PMP'D 100 bbls BROKE CIRC PRESS BROKE BACK TO 160# @ 2 ½ BPM, SHUT DN PMP ADDED GREEN DYE TO WTR STARTED PMPNG AGAIN 160# @ 2 ½ BPM TOOK 90 bbls TO GET DYE BACK, INFORMED SCHLUMBERGER TO CALCULATE CMT VOLUMES. SHUT IN.

02/04/05 RU PMP 2 bbls WTR TO PIT CLOSE VLV PRESS TST TO 3000# OK. OPENED FRAC VLV CAUGHT CIRC IMMEDIATELY ADDED GREEN DYE MIXED & PMP'D VIA 5.5 CSG w/210 SXS OF LITCRETE THROUGH PERFS @2398' & CIRC 9 bbls CMT TO SURFACE. SHUT DN DROP PLUG DISP w/54.7 bbls WTR. TOC @2300'. CLOSE FRAC VLV & BH VLV. MOVE OFF LOCATION.

02/07/05 NUBOP & TEST 200# LOW 800# HIGH OK. TAG'D CMT @2284'. DRILL OUT CMT; CIRC CUTTINGS TO FLARE PIT; TOH ABOVE THE SQUEEZE HOLES @2398'

02/08/05 LOAD CSG w/2% KCL. PRES TST CSG @2500# OK.

02/09/05 TIH w4" HEG GUN & PERF FRUITLAND COAL 2400' – 2456' @ 2 JSPF.

02/10/05 TIH & FRAC FC w/325,324 LBS. OF 20 / 40 BRADY SAND.IN SCHLUMBERGER YF125 GREEN GEL. WITH 70 QUALITY FOAM AND N2. TURN OVER TO FLW BACK HAND.

02/11/05 FLW ON ½" CK @35#. FLOW WELL TO FLARE PIT.

02/14/05 CLEAN OUT WELL TO 2620'.

02/15/05 RIG DOWN MOVE OFF LOCATION. TIH & LANDED TBG @ 2431'

RIG DOWN MOVED OFF LOCATION.