

Form 3160-4
(August 1999)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM292711a. 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 COContact: CHERRY HLAVA
E-Mail: hlavac@bp.com8. Lease Name and Well No.
HORSETAIL GAS COM FEDERAL 13. Address 501WESTLAKE PARK BLVD M C 6.138
HOUSTON, TX 770793a. Phone No. (include area code)
Ph: 281.366.40819. API Well No.
30-015-32556-00-S1

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

At surface Sec 10 T18S R27E Mer NMP
SESE 710FSL 660FEL

At top prod interval reported below

At total depth

RECEIVED

NOV 12 2003

OCD-ARTESIA

10. Field and Pool, or Exploratory
EMPIRE MORROW SOUTH11. Sec., T., R., M., or Block and Survey
or Area Sec 10 T18S R27E Mer NMP12. County or Parish
EDDY13. State
NM14. Date Spudded
05/17/200315. Date T.D. Reached
06/10/200316. Date Completed
☐ D & A ☒ Ready to Prod.
07/01/200317. Elevations (DF, KB, RT, GL)*
3510 GL18. Total Depth: MD 10090
TVD19. Plug Back T.D.: MD 10002
TVD20. Depth Bridge Plug Set: MD
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
FORMATIONTESTER DUALLATEROLOG DUALSPACEDNEUT22. 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
17.500	13.375 J-55	48.0		430		495		0	
12.250	8.625 J-55	32.0		3035		1045		0	
7.875	5.500 P-110	17.0		10090		1200			

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	145897							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MORROW	9756	9774	9756 TO 9763			3 JSPF
B)			9766 TO 9774		45	3 JSPF TOTAL OF 45 HOLES
C)						
D)						

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

Depth Interval	Amount and Type of Material
9774 N/A	

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
06/28/2003	06/28/2003	12	→	1.0	2725.0	75.0			ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
15/64	2425	0.0	→	2	5450	150		GSI	

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	
			→						

ACCEPTED FOR RECORD

NOV 10 2003

ALEXIS C. SWOBODA
PETROLEUM ENGINEER

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

ELECTRONIC SUBMISSION #24905 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** 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.)
OTHER

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
				QUEEN	1000
				SAN ANDRES	1800
				ABO	5100
				WOLFCAMP	6475
				STRAWN	8875
				ATOKA	9350
				MORROW	9600
				MISSISSIPPIAN	10200

32. Additional remarks (include plugging procedure):

On 11/23/2002 BP America Production Company requested permission to drill said well to a total depth of 10,700'. Permission was granted 12/20/2002.
Work was completed 7/1/03 and the well is capable of production but is shut in waiting on pump equipment and pipeline connections. At this point BP does not know who the transporter will be.

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 #24905 Verified by the BLM Well Information System.
For BP AMERICA PRODUCTION CO, sent to the Carlsbad
Committed to AFMSS for processing by ARMANDO LOPEZ on 11/10/2003 (04AL0104SE)

Name (please print) CHERRY HLAVATitle REGULATORY ANALYST

Signature _____ (Electronic Submission)

Date 11/07/2003

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 ****