

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.
NMSF078040

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: corleym@bp.com

8. Lease Name and Well No.
MUDGE LS 16M

3. Address P. O. BOX 3092
HOUSTON, TX 77253

3a. Phone No. (include area code)
Ph: 281.366.4494

9. API Well No.
30-045-31379-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)
At surface NESE Lot I 1910FSL 940FEL 36.54700 N Lat, 107.58300 W Lon

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

11. Sec., T., R., M., or Block and Survey
or Area Sec 10 T31N R11W Mer NMP

12. County or Parish
SAN JUAN

13. State
NM

At top prod interval reported below
Sec 10 T31N R11W Mer NMP
At total depth NESE Lot I 2275FSL 1150FEL 36.54700 N Lat, 107.58300 W Lon

14. Date Spudded
04/07/2003

15. Date T.D. Reached
04/14/2003

16. Date Completed
☐ D & A ☒ Ready to Prod.
05/05/2003

17. Elevations (DF, KB, RT, GL)*
6151 GL

18. Total Depth: MD 7458
TVD 7400

19. Plug Back T.D.: MD 7453
TVD

20. Depth Bridge Plug Set: MD
TVD

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

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	221		191		0	
8.750	7.000 J-55	20.0	0	3144		387		0	
6.250	4.500 J-55	12.0	0	7458		384		3044	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.365	7409							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) DAKOTA	7283	7445	7283 TO 7445	0.400	50	
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7283 TO 7445	65,654# OF 20/40 RESIN 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
05/02/2003	05/02/2003	12	→	1.0	1080.0	35.0			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	
3/4	SI	65.0	→	2	2160	70		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	
	SI		→						

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

ELECTRONIC SUBMISSION #21504 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

NMOC

ACCEPTED FOR RECORD

MAY 15 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 1233	1233		LEWIS SHALE CLIFF HOUSE MENESEE POINT LOOKOUT MANCOS DAKOTA	3037 4361 4700 5152 5437 7224

32. Additional remarks (include plugging procedure):

Please see attached for well completion subsequent report. Well will be produced for approximately 30 to establish flow rate, then the Dakota will be isolated and well will be completed into the Mesaverde formation and production will be downhole commingled. Production allocation based on fixed rate based on well test.

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 #21504 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 05/15/2003 (03AXG1174SE)**

Name (please print) MARY CORLEY

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 05/07/2003

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 ** REVISED ****

**MUDGE LS 16M
COMPLETION SUBSEQUENT REPORT
05/07/2003**

04/22/2003 RU & run CBL, GR, & TDT logs. RU & pressure test CSG to 4000# test ok. Estimated TOC @ 3700'

04/28/2003 RU & Perf the Dakota with 2 SPF, 120° phasing as follows: .400 inch diameter, 25 Shots / 50 Holes

7445, 7440, 7422, 7418, 7413, 7408, 7404, 7399, 7386, 7380, 7375, 7370, 7351,
7346, 7341, 7336, 7331, 7326, 7312, 7308, 7303, 7298, 7293, 7288, 7283

04/29/2003 RU & Frac w/65,654# of 20/40 Resin Sand & Slickwater. ND BOP & Frac Valve. NU Flow back cross & BOP. Flow back well thru 1/4" choke to pit for 4 hrs. SWIFN

04/30/2003 TIH & tag fill @ 4750'. C/O 80'. Circ hole clean. PU to 4660'. Bled down air. Secure well & SDFN.

05/01/2003 TIH & tag @ 7453'. No fill noted. Circ hole & C/O on BTM. PU above perfs & flow back well thru 3/4" choke overnight.

05/02/2003 Blow down well. TIH 7 tag fill @ 7449'. C/O wellbore PBTD @ 7453' (CORRECTED PBTD) . PU above perfs & flow test well for 12 hrs. thru 3/4" choke. 1080 MCF gas, FCP 65#. 35 BBLS WTR, Trace Oil.

05/03/2003 Continued flow back thru 3/4" choke.

05/05/2003 RU & TIH w/BHA & TBG plug. TIH w/ 2 3/8" production TBG & land @ 7409'. ND BOP. NUWH. Pull TBG plug. RD & MOSU. Rig Release @ 13:00 hrs.