

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.
NMSF - 078194

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
LUDWICK LS 15

9. API Well No.
30-045-09383

10. Field and Pool, or Exploratory
BLANCO MESAVERDE

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

17. Elevations (DF, KB, RT, GL)*
6340 DF

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☒ No ☐ Yes (Submit analysis)

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other

b. Type of Completion ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☒ Diff. Resvr.
Other

2. Name of Operator
BP AMERICA PRODUCTION COMPANY

Contact: MARY CORLEY
E-Mail: corleyml@bp.com

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

3a. Phone No. (include area code)
Ph: 281.366.4491

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

At surface NENE Tract A 990FNL 950FEL

At top prod interval reported below

At total depth

14. Date Spudded
05/20/1960

15. Date T.D. Reached
06/20/1960

16. Date Completed:
☐ D & A ☒ Ready to Prod.
05/06/2002

18. Total Depth: MD 7546
TVD

19. Plug Back T.D.: MD 7476
TVD

20. Depth Bridge Plug Set: MD
TVD

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

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
13.250	10.750 H-40	40.0	0	179	195	200		0	
8.750	7.625 J-55	26.4	0	3051		100			
6.250	5.500 J-55	17.0	0	7484	7546	200			

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	7235							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	5038	5405	5038 TO 5405	3.125	40	
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
5038 TO 5405	88,165# OF 16/30 BRADY SAND & 70% 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
05/03/2002	05/03/2002	12	→	1.0	425.0	0.0			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	
	0	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. 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 #11251 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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ACCEPTED FOR RECORD

MAY 20 2002

FARMINGTON FIELD OFFICE
BY JK

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
MESAVERDE	5038	5405		PICTURED CLIFFS LEWIS SHALE CLIFF HOUSE MENELEE POINT LOOKOUT MANCOS GALLUP GREENHORN GRANEROS DAKOTA MORRISON	2839 2923 4510 4667 5166 5228 6400 7148 7258 7342 7527

32. Additional remarks (include plugging procedure):

Well has been completed into the Mesaverde and production commingled downhole with the existing Dakota. Please see attached Subsequent Report for well work activity.

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 #11251 Verified by the BLM Well Information System.
For BP AMERICA PRODUCTION COMPANY, sent to the Farmington**

Name (please print) MARY CORLEY Title AUTHORIZED REPRESENTATIVE

Signature _____ (Electronic Submission) Date 05/09/2002

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.

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LUDWICK LS 15
RECOMPLETION & DOWNHOLE COMMINGLING SUBSEQUENT REPORT
05/08/2002

04/25/2002 MIRUSU @ 07:00 hrs. NDWH & NU BOP's. Unseat TBG hanger. TOH w/5 JTS TBG. SDFN.

04/26/2002 TOH W/remaining TBG. TIH & found tight spot @ 5435'. Worked mill thru tight spot. TOH.

04/29/2002 RU, TIH & set a CIBP @ 5500'. Load hole w/2% KcL water. Pressure tested CSG to 2500#. Held Ok. RU & run CBL log. Found good CMT. RU & Perf Point Lookout & Menefee: 3.125 inch diameter 2 spf, 120° phasing (20 shots/ 40 holes):

5038', 5079', 5090', 5105', 5150', 5168', 5170', 5176', 5185', 5190', 5195', 5200', 5205',
5215', 5220', 5265', 5302', 5310', 5358', 5370', 5375', 5405'

04/30/2002 RU & Frac w/88,165# of 16/30 Brady Sand & 70% Foam & N2. RU & Flow back well thru ¼" choke all night.

05/01/2002 Flowback well thru ¼" choke. @ 10:00 hrs upsized to ½" choke. @ 14:00 hrs Upsized to ¾" choke & flowback overnight.

05/02/2002 TIH & tag fill @ 5213'. Circ hole clean to top of CIBP set @ 5500'. DO CIBP. PU above perfs & flowed well overnight thru ¾" choke.

05/03/2002 TIH & tagged fill @ 7415'. Circ hole clean to PBTD @ 7476'. PU above perfs & flow test well 12 hrs. thru ¾" choke. 475 MCF Gas, Trace WTR, Trace oil.

05/06/2002 TIH & found 0' fill. TOH. TIH W/ 2 3/8" production TBG & land @ 7235'. ND BOP's & NUWH. Pull TBG plug. RDMOSU. Rig Release @ 18.30 hrs.