

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED  
OMB NO.1004-0137  
Expires: November 30, 2000

5. Lease Serial No.  
**SF - 0078194**

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.

**Ludwick LS 17M**

9. API Well No.

**30-045-32923**

10. Field and Pool, or Exploratory

**Basin Dakota & Blanco MV**

11. Sec., T., R., M., on Block & Survey or Area

**Sec 29 T30N R10W**

12. County or Parish

**San Juan**

13. State

**NM**

17. Elevations (DF, RKB, RT, GL)\*

**6136' GR**

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 Attn: Cherry Hlaya**

3. Address

**P.O. Box 3092 Houston, TX 77253**

3a. Phone No. (include area code)

**281-366-4491**

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

At surface **1390' TSL & 1755' FEL**

**1010 11660**

At top prod. Interval reported below

At total depth **SAME AS ABOVE**

14. Date Spudded

**9/28/2005**

15. Date T.D. Reached

**1/31/2006**

16. Date Completed

☐ D & A ☒ Ready to Prod.

**2/22/2006**

18. Total Depth: MD

**7250'**

TVD

**7250'**

19. Plug Back T.D.: MD

**7250'**

TVD

**7250'**

20. Depth Bridge Plug Set: MD

**MD**

TVD

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

**GR & CBL**

22. Was well cored? ☒ No ☐ Yes (Submit analysis)

Was DST run? ☒ No ☐ Yes (Submit report)

Directional Survey? ☒ No ☐ Yes (Submit report)

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 1/2"	9 5/8" H-40	32.3	0	212'		98		0	
8 3/4"	7" N-80	20-23	0	4510'		632		0	
6 1/4"	4.5" J-55	11.6	0	7250'		266		3800'	

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 3/8"	7150							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A) Basin Dakota	6988'	7177'	6988' - 7177'	3.125"	60	
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
6988' - 7177'	250,000 LBS 16/30 C-LITE SND IN 60% QUALITY FOAM N2 & 1800 bbls Prop Net

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
est 2/23/06	2/17/06	12	→	trace	1675	trace			Flows
Choke Size	1bg. Press Flwg. SI	Csg. Press.	24 hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
3/4"		216#	→						

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
			→						MAR 02 2006
Choke Size	1bg. Press Flwg. SI	Csg. Press.	24 hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						FARMINGTON FIELD OFFICE BY

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

NM003

## 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	1bg. 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	1bg. 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.)

## Vented / Sold

## 30. Summary of Porous Zones (Included 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
				NAVAJO CITY	3391'
				OTRO 1	3466'
				OTRO 2	3585'
				CLIFF HOUSE E	4076'
				CLIFF HOUSE	4283'
				MENEFEE	4377'
				PT LOOKOUT	4912'
				MANCOS	5293'
				GREENHORN	6875'
				GRANEROS	6926'
				TWO WELLS (Dakota)	6986'
				PAGUATE	7060'
				UPPER CUBERO	7115'
				ENCINAL CANYON	7206'

## 32. Additional Remarks (including plugging procedure)

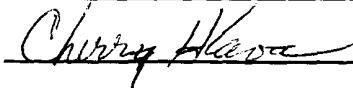
## 33. Circle enclosed attachments

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      3. Other:

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Cherry HlavaTitle Regulatory Analyst

Signature

Date 2/23/2006

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.

**Ludwick LS 17M**  
**30-045-32923**  
**New Drill (DK) Subsequent Report**  
**02/24/06**

**2/6/06** RIG UP & RUN CBL & RST LOG. WORKING ON PROCEDURE TO PULL 7" SETTING MANDRILL LEFT ON 7" CSG WITH CAUSED THE 4.5" CSG HANGER NOT TO SEAT PROPERLY IN THE WELL HEAD. DECISION MADE TO BACK OFF 4.5" AS HIGH AS POSSIBLE – PULL OUT 4.5" CSG HANGER; SCREW INTO THE 7" SETTING MANDRILL & BACK OUT THE LEFT HAND THREAD w/ 10' PUP JT. THEN RUN 4.5" BACK IN.

PMP WTR INTO WELL.

**2/7/06** SPEARED INTO CSG & MADE CHEMICAL CUT @197'. RU & LD 4.5" PUP JT & 4 JTS OF 4.5" CSG.

**2/8/06** TIH & BACK OFF 4.5" CSG @202'. 5' BELOW OVERHOT. RD WL & TOH w/2 7/8". TIH w/4.5" P-110 & TAG SCREW INTO CSG & TIGHTEN TO 2600#. PRESSURE TST 4.5" CSG TO 1600#. GOOD TEST. INSTAL 2<sup>nd</sup> WH SPOOL. NU WELLHEAD – TEST; RU FRAC VALVE – TEST.

**2/9/06** TIH w/3.125" GUN & PERF DAKOTA FORMATION 6988' – 7177' @4 JSPF TOTAL OF 60 HOLES.

**2/10/06** TIH & FRAC DK DOWN CSG @65 bbls/min USING 250,000 lbs OF 16/30 C-LITE SAND. FLW WELL TO PIT.

**2/17/06** FLW TEST TO FLARE PIT ON ¾" CK. 220#

**2/20/06** TIH & CLEAN OUT 7241'.

**2/22/06** TIH w/2 3/8" tbg & LAND @ 7150'

**2/23/06** RIG DOWN MOVE OFF LOCATION