

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RCUD MAY 4 '07
OIL CONS. DIV.

FORM APPROVED

OMB NO. 1010-0133

Expires: November 30, 2000

5. Lease Serial No.
SF-078194

6. Indian Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
LUDWICK LS 20E

9. API Well No.
30-045-33992

10. Field and Pool, or Exploratory
BASIN DAKOTA

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

12. County or Parish
SAN JUAN

13. State
NM

17. Elevations (DF, RKB, RT, GL)*
6162'

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resrv.

2. Name of Operator
BP America Production Company Attn: Cherry Hlava

3. Address **P.O. Box 3092 Houston, TX 77253** 3a. Phone No. (include area code) **281-366-4081**

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

At surface **765' ENL & 760' FWL; SEC 29 T30N R10W**

At top prod. Interval reported below

At total depth

14. Date Spudded **2/16/2007** 15. Date T.D. Reached **4/11/2007** 16. Date Completed ☐ D & A ☒ Ready to Prod. **4/28/2007**

18. Total Depth: MD **7239'** 19. Plug Back T.D.: MD **7196'** 20. Depth Bridge Plug Set: MD **N/A**

TVD **7237'** TVD

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

CBL, RST

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 1/4"	9 5/8" H-40	32.3#	0	238'		68 SXS		0	
8 3/4"	7" N-80&K-55	20&23#	0	4541'		627 SXS		0	
6 1/4"	4 1/2" P-110	11.6#	0	7237'		232 SXS		3410'	

24. Tubing Record

Size	Depth set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
N/A	N/A							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A) BASIN DAKOTA	7080'	7140'	7080' - 7140'	3.215"	120	
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7080' - 7140'	65 bpm; 60 Q N2 Foam; 1% CFXT gell; 162,000 lbs 20/40 Sand; PropNET in 47,000 lbs

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
	4/28/2007	12	Trace	Trace	1157mcf	Trace			Flow
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
3/4"		80#	Trace					Shut In Waiting on C-104 Approval	

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
			Trace						
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			Trace						

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

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
---------------------	-----------	--------------	-----------------	---------	---------	-----------	-----------------------	-------------	-------------------

ACCEPTED FOR RECORD

MAY 04 2007

FARMINGTON FIELD OFFICE

Completion information attached NMOCD

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.)

Flared

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
				KIRTLAND	1414'
				FRUITLAND COAL	2341'
				PICTURED CLIFFS	2620'
				LEWIS SHALE	2869'
				NAVAJO CITY	3438'
				CHACRA OTERO	3655'
				OTERO 2	3778'
				CLIFF HOUSE E	4159'
				CLIFF HOUSE	4359'
				MENEFEE	4410'
				POINT LOOKOUT	4915'
				MANCOS	5329'
				GREENHORN	6913'
				GRANEROS	6969'
				DAKOTA	7024'
				PAGUATE	7101'
				UPPER CUBERO	7155'
				LOWER CUBERO	7187'

32. Additional Remarks (including plugging procedure)

4/7/07 7" N-80/K-55; 20#/23# Casing is landed at 4541' & not 4556' as reported on spud notice.

4/13/07 4.5" csg is set with 232 sxs cement and not 286 sxs as reported on spud notice.

Rig was released 4/13/07 @20:30 hrs. & not 01/13/07 as reported on spud notice.

see attached for additional comments.

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 Hlava

Title Regulatory Analyst

Signature

Cherry Hlava

Date 5/1/2007

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 20E
BASIN DAKOTA
30-045-33992**

4/19/07 TIH Run CBL log from PBTD 7196'-0. Run RST log 7196' – 3000'. Pressure test 4 1/2" P-110; 11.6# casing to 8500 psi surface pressure; held 10 min. good test. Pressure tst valves to 4500 psi; held 10 min; good test.

04/25/07 TIH w/3.125" gun & perf dakota formation 7080' - 7140' @2 JSPF (120 shots)

04/26/07 RU; Frac DK w/65 bpm; 60 Q N2 Foam; 1% CFXT gell; 162,000 lbs 20/40 Sand; PropNET in 47,000 Lbs

REQUESTING 90 DAY EXCEPTION TO TUBING REQUIREMENT.

Report TOC on 4 1/2