

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.
NMSF078194

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No.		
2. Name of Operator BP AMERICA PRODUCTION CO			8. Lease Name and Well No. LUDWICK LS 15M		
3. Address 200 ENERGY CT FARMINGTON, NM 87402			9. API Well No. 30-045-32366-00-C1		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 19 T30N R10W Mer NMP At surface NWSE 2450FSL 1780FEL 36.47800 N Lat, 107.55400 W Lon At top prod interval reported below At total depth			10. Field and Pool, or Exploratory BLANCO MV / BASIN DAKOTA		
14. Date Spudded 07/02/2004			15. Date T.D. Reached 07/30/2004		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 08/31/2004			17. Elevations (DF, KB, RT, GL)* 6269 GL		
18. Total Depth: MD 7480 TVD		19. Plug Back T.D.: MD 7434 TVD		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL TDT			22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> 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
12.250	9.625 H-40	32.0		120		87		0	
8.750	7.000 J-55	20.0		3144		388	5	0	
6.250	4.500 J-55	12.0		7476		413		2180	

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	7361							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) DAKOTA	7155	7425	7155 TO 7425	3.130		
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7155 TO 7425	24 BBLS 15% HCL 63606# 20/40 C-LITE

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
09/05/2004	08/10/2004	12	→	1.0	475.0	1.0			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	30.0	→	2	950	2		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 #35858 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

FARMINGTON FIELD OFFICE
SEP 14 2004
BY [Signature]
RECEIVED

ACCEPTED FOR RECORD

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
NACIMIENTO	0	1378		LEWIS SHALE	3112
OJO ALAMO	1378	1498		CLIFF HOUSE	4282
				MENEFEE	4558
				POINT LOOKOUT	5087
				MANCOS	5466
				GREENHORN	7052
				DAKOTA	7109
				GRANEROS	7109

32. Additional remarks (include plugging procedure):

APD was filed on 5/17/04 and approved 6/10/04. Well is currently completed and producing from Dakota & Mesaverde formations.

DHC - 1549AZ

Please see attached subsequent report.

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 #35858 Verified by the BLM Well Information System.

For BP AMERICA PRODUCTION CO, sent to the Farmington

Committed to AFMSS for processing by ADRIENNE BRUMLEY on 09/14/2004 (04AXB3380SE)

Name (please print) CHERRY HLAVA

Title AUTHORIZED REPRESENTATIVE

Signature _____ (Electronic Submission)

Date 09/09/2004

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 ****

LUDWICK LS 15M
NEW DRILLING SUBSEQUENT REPORT
30-045-32366
09/08/2004

INTERMEDIATE; TOP OF CEMENT @ 2180' by CBL

8/02/04 MIRU & SPOT EQUIPMENT. RUN CBL.

8/30/04 TIH & DRILL 86' CMT. TAG DV TOOL & DRILL OUT; CIRC BOTTOMS UP.

8/4/04 TIH w/BIT ON TBG TAGD @7426'. DRILL OUT FLOAT COLLAR @7432'. C/O SHOE TO 7467'. CIRC CLEAN w/2% KCL WTR. RUN TDT LOG TO PBD @3150'.

8/5/04 TIH & RUN CBL LOG & EVALUATE CMT INTEGRITY. PRESS TST BLINDS & RAMS 1200# HIGH, 250# LOW. OK. TIH w/3 1/8" GUN & **PERF DK @4 JSPF, 90 DEG. PHASING, 7312' - 7425'**. LOAD CSG PRESSURE UP ON LWR DK PERFS; BROKE DN @2890#. CONTINUED TO PMP @7 BPM @2150#. ISIP 1450#. TIH w/3 1/8" GUN, 180 DEGREE PHASING & **PERF DK 7155' - 7285' @ 2 JSPF.**

8/6/04 MILL OUT LIP @ TOP OF 4 1/2" CSG. LAY DN MILL. RU STINGER EVERYTHING OK. TIH & **FRAC DK FORMATION w/24 bbls 15% HCL. SLICKWTR PAD, 63606# 20/40 C-LITE, FLUSHED TO TOP PERF w/SLICKWTR.**

8/9/04 RU 3" LINES & 2" PMP LINES. TIH w/BIT, 2 3/8" x 4' TBG SUB, RU COMPRESSORS & STEEL LINES PREP TO UNLOAD.

8/10/04 0 PSI. UNABLE TO UNLOAD HOLE @5800'. UNLOAD HOLE STARTING PRESS 1700 PSI. RU & FLW ON 3/4" CK TO FLARE PIT. **START 12 hr TEST. 475 MCF; 30# CSG PRESSURE.**

8/11/04 FLW PRES @10 PSI. OPEN UP THRU 3" LINES. TIH w/TBG & TAG SND @7325'. C/O 7325' - 7462'. RU SLICKLINE. TIH w/BHP BOMBS & SET @7280'. SHUT IN.

8/12/04 900# CSG PRES. TOH LEFT 7200' SLICKLINE IN HOLE & BHP BOMBS. BLW DN TO FLARE PIT. FISH @1453'. SHUT IN

8/13/04 750# CSG PRESS. BLED OFF SLOWING TO FLARE PIT. TIH & CUT TBG OFF @1465'.

8/16/04 BLED OFF 1300# CSG PRESS. TOP OF FISH @ 1465'. FISH UP HOLE TO 1401'. SHUT IN OVER NIGHT.

8/17/04 BLW DN 150# CSG PRESS TO FLARE PIT SLOWLY. FISHING.

8/18/04 BLW DN 500# CSG PRESS SLOWLY THRU FLARE LINE. JARRING ON FISH CAME LOOSE. JARRING ON FISH, CAME LOOSE; TOH w/FISH & LAY DN. TIE SL ONTO SL UNIT & SPOOL OUT 2500' LOOSE WIRE ONTO SL UNIT. TIH w/FISHING TOOLS. TIH w/WASH PIPE, FLOAT, JARS DC's & TBG TO 7100'. SHUT WELL IN OVER NIGHT.

8/19/04 BLED OFF 30# CSG PRESS THRU FLARE LINE. BRK CIRC ROTATE TOOLS OVER TOP OF FISH BLEED OFF AIR PREP TO TOH w/TBG. TOH w/TBG; FISH DRAGGING. GOT OUT OF HOLE. DRUG FISH UP HOLE. SI

8/20/04 BLED DN 850# CSG PRESSURE THRU FLARE LINE. FISHING.

8/23/04 1300# CSG PRESS BLW DN FLARE LINE. FISHING. SI.

8/24/04 BLW DN 850# CSG PRESS. TIH w/2 3/8" TBG TAG'd @7313' BRK CIRC w/AIR MIST, WRK OVER TOP OF FISH @ C/O TO PBTB. RECOVER WIRE & BHP BOMBS. SET CIBP@ 5480'. SI ON.

8/25/04 BLW DN 950# PRES THRU 3" FLARE LINE. TIH w/3 1/8" GUN & PERF MESAVERDE FORMATION 5092' - 5280' @ 2 JSPF. PER 4911' - 5006 @ 4 JSPF 180 DEGREE PHASING. TIH & FRAC MV w/10 bbls 15% HCL, 70Q FOAM, 66,000# OF 16/30 BRADY SND. 16,770# OF 16/30 BRADY SND w/PROPNET, FLUSHED TO TOP PERF w/70Q FOAM. START FLW BACK.

8/26/04 FLW TO FLARE PIT ON 3/8" CK @500#. START TESTING.

8/27/04 WELL TEST FLW @75# CSG PRESSURE. 677 MCF. TIH TAG SND @5202'. C/O TO 5480' CIRC WELL. POH ABOVE TOP PERF @4911'. SHUT DN OVER NITE.

8/30/04 FLW PRESS @120# CSG. TIH & MILL OUT CIBP @5480'. TIH w/TBG TO 7467'. NO FILL WELL FLWING STRONG. TOH w/TBG ABOVE DK PERFS. FLW TO FLARE PIT ON 3/4" CK.

8/31/04 FLW CSG PRESS @120#. TIH & LAND TBG @7361'. NDBOP. NU WH. PMP 15 bbls SOAPY WTR DN TBG; PULL X - PLUG.

9/5/04 WELL FLOWING TO SALES.