

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.  
NMSF078049

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. HUGHES A 3N	
3. Address P. O. BOX 3092 HOUSTON, TX 77253		9. API Well No. 30-045-31352-00-C1	
4. Location of Well (Report location clearly and in accordance with Federal requirements) Sec 28 T29N R8W Mer NMP At surface SESE Lot P 540FSL 940FEL 36.41500 N Lat, 107.40600 W At top prod interval reported below At total depth		10. Field and Pool, or Exploratory BLANCO MV / BASIN DAKOTA	
14. Date Spudded 05/06/2003		15. Date T.D. Reached 05/12/2003	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod 06/18/2003		17. Elevations (DF, KB, RT, GL)* 6313 GL	
18. Total Depth: MD 7340 TVD		19. Plug Back T.D.: 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
13.500	9.625 H-40	32.0	0	223		160		0	
8.750	7.000 J-55	20.0	0	3135		362		0	
6.250	4.500 J-55	12.0	0	7025	7339	345		3035	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.325	7308							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) DAKOTA	7143	7332	7143 TO 7332	0.330	50	
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7143 TO 7332	71,305# 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
06/01/2003	06/02/2003	12	→	1.0	100.0	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	
3/4		60.0	→	2	200	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
			→						JUN 20 2003
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						HARRINGTON FIELD OFFICE

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

ELECTRONIC SUBMISSION #23284 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

NMCCD

## 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
SAN JOSE	0	495		OJO ALAMO	1827
NACIMIENTO	495	1853		KIRTLAND	1993
OJO ALAMO	1853	2009		FRUITLAND COAL	2671
				PICTURED CLIFFS	2856
				LEWIS SHALE	3050
				CLIFF HOUSE	4333
				MENEFEE	4611
				POINT LOOKOUT	5071
				MANCOS	5506
				GREENHORN	7041
				DAKOTA	7101

32. Additional remarks (include plugging procedure):  
Please see attached for well subsequent report. Dakota production is downhole commingled with the Mesaverde completion.

## 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 #23284 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 06/20/2003 (03AXG1413SE)**

Name (please print) MARY CORLEYTitle AUTHORIZED REPRESENTATIVE

Signature \_\_\_\_\_ (Electronic Submission)

Date 06/16/2003

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 \*\***

**HUGHES A 3N  
COMPLETION SUBSEQUENT REPORT  
06/16/2003**

05/16/2003 RU & run CBL log under 1000# pressure. Pressure test CSG to 4500# test ok.  
RU & run TDT log.

05/21/2003 Perf the Dakota with 2 SPF, 120° phasing as follows: .330 inch diameter, 25  
Shots / 50 Holes

7332, 7326, 7310, 7396, 7292, 7288, 7284, 7280, 7261, 7255, 7250, 7245, 7240,  
7231, 7222, 7212, 7198, 7181, 7175, 7168, 7163, 7158, 7153, 7148, 7143

05/22/2003 RU & Frac w/71,305# of 20/40 Resin Sand & Slickwater.

05/27/2003 ND BOP & Frac Valve. NU Flow back cross & BOP. SI Well.

05/28/2003 TIH & tag fill @ 7243'. C/O to 7337' . PU above perfs & SI.

05/29/2003 TIH & tag 40' of fill. C/O to PBTD @ 7337'. PU above perfs, & flow back thru ¼" choke overnight..

05/30/2003 TIH & tag 13' of fill. C/O to PBTD. PU above perfs & flow back overnight.

05/31/2003 Well SI for 12 hrs. Open well & flow back thru ½" choke for 8 hrs. SI well.

06/01/2003 Well SI for 29 hrs.

06/02/2003 TIH & tag 0 fill. RU & flow back thru ¾" choke in prep for flow test. RU & flow test well for 12 hrs. thru ¾" choke. 100 MCFD gas, FCP 60#. Trace BLS WTR, Trace Oil.

**END OF DAKOTA COMPLETION.**

**BEGIN MESAVERDE COMPLETION.**

06/03/2003 RU & TIH w/CIBP & set @ 5400'. RU & load hole w/2% KcL WTR. Pressure test CSG to 1500 psi. RU & perf Point Lookout & Menefee, 120° phasing as follows, .330 inch diameter, 2 JSPF 30 Shots / 60 Holes

5179, 5167, 5148, 5140, 5132, 5121, 5114, 5106, 5098, 5089, 5081, 5074, 5047,  
5040, 5033, 5026, 5001, 4993, 4985, 4923, 4915, 4849, 4845, 4840, 4829, 4792,  
4773, 4766, 4760, 4747

06/04/2003 RU & Frac w/91,462# of 16/30 Brady Sand, 70% Quality Foam & N2. RU, TIH & set CIBP @, 4710'. RU & perf Menefee & Cliffhouse, 120° phasing as follows: .330 inch diameter, 2 JSPF 25 Shots / 50 Holes

4686, 4609, 4601, 4595, 4589, 4583, 4575, 4565, 4560, 4554, 4546, 4535, 4527,  
4519, 4507, 4499, 4491, 4483, 4473, 4467, 4430, 4422, 4415, 4410, 4401

RU & Frac w/88,701# of 16/30 Brady Sand, 70% Quality Foam & N2. ND Frac & NU Flow back head. Open well on ¼" choke & flow back overnight.

06/05/2003 Flowed back well thru ¼" choke. @ 00:00 hrs upsized choke to ½" & flowed back 8 hrs. Upsized to ¾" choke & flowed back to pit overnight.

06/06/2003 Flowed back well thru ¾" choke. TIH & tag fill @ 4575'. C/O to CIBP set @ 4710'. DO CIBP. PU above perms & flow back thru ¾" choke overnight.

06/07/2003 Flowed back well thru ¾" choke. SI Well

06/09/2003 Well SI 36 hrs. Open well & flow thru ¾" choke. TIH & tag 43' of fill. C/O to CIBP set @ 5400'. PU above perms & flow back thru ¾" choke.

06/10/2003 TIH & tag 15' of fill. C/O to CIBP. PU above perms & flow test well thru ¾" choke for 12 hrs. 762 MCFD gas, FCP 105#, Trace WTR, Trace oil.

06/11/2003 TIH & tag 0 fill. DO CIBP @ 5400'. TIH & tag 20' of fill.. C/O to PBTD @ 7337'. PU above perms & flow back thru ¾" choke w/watchman.

06/12/2003 TIH & tag 9' of fill. Circ hole clean to PBTD. RU & flow well to pit..

06/13/2003 Flow well to pit. RU & TIH w/BHA & TBG plug. TIH w/ 2 3/8" production TBG & land @ 7308'. ND BOP. NUWH. Pull TBG plug. Secure well for night.

06/16/2003 RDMOSU. Rig Release @ 10:00 hrs.