

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED

OMB NO. 1064-0137

Expires: November 30, 2000

5. Lease Serial No.

SF-078049

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

6. If Indian, Allottee or Tribe Name

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

7. Unit or CA Agreement Name and No.

Other Multiple Completion - DHC

2. Name of Operator

BP AMERICA PRODUCTION COMPANY

8. Lease Name and Well No.

Hughes A 2M

3. Address

P.O. Box 3092 Houston, TX 77493

3a. Phone No. (include area code)

281-366-4491

9. API Well No.

30.045-31640

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

At surface 1965' FNL & 735' FEL

At top prod. interval reported below

At total depth

10. Field and Pool, or Exploratory

BASIN DAKOTA

11. Sec., T., R., M., on Block and

Survey or Area SECT 729 R8W

12. County or Parish

SAN JUAN

13. State

NEW MEXICO

14. Date Spudded

07.10.2003

15. Date T.D. Reached

07.16.2003

16. Date Completed

☐ D & A ☒ Ready to Prod.

09.02.2003

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

6754'

18. Total Depth: MD
TVD

7852

19. Plug Back T.D.: MD

TVD

7844

20. Depth Bridge Plug Set: MD

TVD

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

TDT CBL

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

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
13 1/2	45/8 H-40	32.3	0	142		130		0	
8 3/4	7 J-55	20	0	3608		418		0	
6 7/8	4 1/2 J-55	11.6	0	7851		345		3508	

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 1/8	7799							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) DAKOTA	7626	7835	7626 - 7835	.360	60	
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
7626 - 7835	62,250# 20/4 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
8/13/03	8/14/03	12	→	TRACE	471	TRACE			Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
3/4		18	→	TRACE	942	TRACE			ACCEPTED FOR RECORD

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
			→						OCT 01 2003
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						FARMINGTON FIELD OFFICE

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

NMOC

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.)

To BG 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
				Fruitland Coal	3064
				Pictured Cliffs	3358
				Lewis Shale	3453
				Cliff House	4874
				Menefee	5134
				Point Lookout	5585
				MANCOS	6021
				GREEN HORN	7530
				DAKOTA	7593
				ENCINAL CANYON	7833

32. Additional remarks (include plugging procedure):

Production is downhole commingled w/ Mesaverde:

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)*

Name (please print)

MARY COLEY

Title

SR REGULATORY ANALYST

Signature

Mary Coley

Date

09.20.2003

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.

HUGHES A 2M
COMPLETION SUBSEQUENT REPORT
09/22/2003

07/22/2003 RU & run CBL log under 1000# pressure. Pressure test CSG to 4300# test ok. RU & run TDT log.

07/24/2003 Perf the Dakota with 3 SPF, 120° phasing as follows: .360 inch diameter, 20 Shots / 60 Holes

7835, 7825, 7819, 7811, 7804, 7799, 7793, 7784, 7775, 7770,
7747, 7743, 7728, 7680, 7669, 7659, 7650, 7643, 7636, 7626

07/28/2003 RU & Frac w/62,250# of 20/40 Resin Sand & Slickwater.

08/08/2003 ND BOP & Frac Valve. NU Flow back cross & BOP. RU & flow back 1 hr thru ¼" choke. SI Well.

08/09/2003 Open well & flow back thru ¼" choke w/watchman.

08/10/2003 Flow back well thru ¼" choke. Upsized to ½" choke @ 07:00 hrs. Upsized to ¾" choke @ 16:00 hrs & flow back overnight.

08/11/2003 Flow back thru ¾" choke. TIH & unload hole @ 3000', 4500', & 5700'. Secure & SDFN.

08/12/2003 TIH & tag fill @ 7809'. C/O to PBTD @ 7844'. PU above perfs & SI.

08/13/2003 TIH & tag 0 fill. Circulate & sweep well w/air mist. PU above perfs, & flow back well open on 3" line for 2 hrs. Install ½" choke & continue flowback. . .

08/14/2003 RU & flow test well for 12 hrs. thru ¾" choke. 471 MCF gas, FCP 18#. Trace BBLS WTR, Trace Oil.

END OF DAKOTA COMPLETION.

BEGIN MESAVERDE COMPLETION.

08/18/2003 RU & TIH w/CIBP & set @ 5800'. RU & load hole w/2% KcL WTR. Pressure test CSG to 1500 psi. RU & perf Point Lookout & Menefee, 120° phasing as follows, .340 inch diameter, 3 JSPF 20 Shots / 60 Holes

5694, 5671, 5648, 5639, 5626, 5614, 5603, 5595, 5587, 5581,
5553, 5543, 5534, 5455, 5447, 5431, 5370, 5362, 5334, 5312

08/19/2003 RU & Frac w/103,701# of 16/30 Brady Sand, 70% Quality Foam & N2. RU, TIH & set CIBP @, 5264'. RU & perf Menefee & Cliffhouse, 120° phasing as follows: .340 inch diameter, 3 JSPF 20 Shots / 60 Holes

5206, 5190, 5133, 5125, 5115, 5105, 5097, 5080, 5068, 5059,

5050, 5043, 5037, 5028, 5005, 4992, 4986, 4915, 4904, 4891
RU & Frac w/80,602# of 16/30 Brady Sand, 70% Quality Foam & N2. ND Frac & NU Flow back head. Open well on ¼" choke for 8 hrs. Upsized to ½" choke & flow back overnight.

08/20/2003 Flowed back well thru ½" choke. @ 05:00 hrs upsized choke to ¾" & flowed back to pit overnight.

08/21/2003 Flowed back well thru 1.5" line to pit – making WTR & light sand. TIH & tag fill @ 5150'. C/O to CIBP set @ 5264'. PU above perms & flow back well thru ¾" choke overnight.

08/22/2003 Flow back well thru ¾" choke. TIH & tag fill @ 5116'. C/O to 5196' PU above perms & secure well for night..

08/23/2003 Open well & flow back thru ¾" choke for 11 hrs. Open well on full 3" line – began slugging fluid w/sand. SIFN.

08/24/2003 Well shut in for 10 hrs. Open well & flow back for 8 hrs on ¾" choke. SIFN.

08/25/2003 TIH & tag fill @ 5170'. C/O to CIBP @ 5264'. DO CIBP. Circ hole clean. TIH & tag fill @ 5529'. C/O to 5538'. PU above perms & flow back well thru ¾" choke w/watchman overnight.

08/26/2003 Flowing back thru ¾" choke. TIH & tag fill @ 5530'. C/O to 5665'. PU above perms & flow back thru ¾" choke overnight.

08/27/2003 Flowed back well thru ¾" choke. TIH & tag sand @m 5656'. C/O to 5760'. PU above perms & flow back thru ¾" choke overnight.

08/28/2003 RU & flow test well thru ¾" choke for 12 hrs. 625 MCFD gas, FCP 81#, Trace WTR, Trace oil. TIH & tag fill @ 5730'. C/O to CIBP set @ 5800'. DO CIBP. Let well blow down. SWI & SDFN.

08/29/2003 TIH & tag 12' of fill. C/O to PBTD @ 7844'. PU above perms & flow back thru ¾" choke w/watchman.

09/02/2003 RU & TIH w/BHA & TBG plug. TIH w/ 2 3/8" production TBG & land @ 7799'. ND BOP. NUWH. Pull TBG plug. Secure well for night.

09/03/2003 RDMOSU. Rig Release @ 10:00 hrs.