

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.  
NMSF078040

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. MUDGE A 11B		
3. Address P. O. BOX 3092 HOUSTON, TX 77253			9. API Well No. 30-045-31378-00-S1		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 10 T31N R11W Mer NMP At surface SENW Lot F 1780FNL 1715FWL 36.54900 N Lat, 107.58900 W Lon At top prod interval reported below At total depth			10. Field and Pool, or Exploratory BLANCO MV / BASIN DAKOTA 11. Sec., T., R., M., or Block and Survey or Area Sec 10 T31N R11W Mer NMP 12. County or Parish SAN JUAN 13. State NM		
14. Date Spudded 03/26/2003		15. Date T.D. Reached 04/01/2003		16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 05/21/2003	
18. Total Depth: MD TVD 7380		19. Plug Back T.D.: MD TVD 5204		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL				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	231		222		0	
8.750	7.000 J-55	20.0	0	3176		377		0	
6.250	4.500 J-55	12.0	0	5052	5495	180		3077	

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	5105							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	4308	4981	4308 TO 4981	0.330	75	
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
4308 TO 4981	175,500# OF 16/30 BRADY SAND, 70 QUALITY FOAM & N2

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
05/20/2003	05/20/2003	12	→	1.0	1300.0	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	SI	180.0	→	2	2600	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
			→						ACCEPTED FOR RECON
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						JUN 02 2003

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

ELECTRONIC SUBMISSION #22436 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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.)  
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
OJO ALAMO NACIMIENTO KIRTLAND	0 1190	1190		CLIFF HOUSE MENEFE POINT LOOKOUT	4270 4603 5069

## 32. Additional remarks (include plugging procedure):

BP America Production Company respectfully request that the well name and number be changed from Mudge A 11M to Mudge A 11B. Please see attached for well subsequent activity and wellbore sketch.

## 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 #22436 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 06/02/2003 (03AXG1283SE)**

Name (please print) MARY CORLEYTitle AUTHORIZED REPRESENTATIVE

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

Date 05/28/2003

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 \*\* REVISED \*\***

**MUDGE A 11B  
COMPLETION SUBSEQUENT REPORT  
05/27/2003**

PLEASE NOTE CORRECTED CASING SETTING DEPTH IS 5052'. SPUD & SET REPORT INDICATED CSG SETTING DEPTH @ 5495'. CORRECT PBTD IS 5204'.

5495' 04/22/2003 RU & pressure test wellbore & Frac valve to 1500# . Test ok

04/23/2003ND Frac valve & Head & NU BOP. Pressure test BOP to 500# Test ok.

04/24/2003 TIH & tag CMT @ 5059'. Drill CMT to 5184'. Circ hole clean. PU to 5000' & secure well, SDFN.

04/25/2003 Blow down well. TIH & tag 0 fill. RU & log to find BTM of CSG @ 5052'. TIH & set CIBP @ 5048'. Pump 2% KcL WTR & circ hole clean. RU & ran CBL w/1000# from 5048' to 3094'. TOC @ 4940'.

04/28/2003 Pressure test CSG to 2000#. Held Ok. [@ 07:30 spoke with Jim Lovato, BLM, & Charlie Perrin, NMOCD, – given okay to do SQZ job] RU & shot 2 SQZ holes @ 4912' & 4000'.TIH w/CMT Retainer & set @ 4765'. Pump SQZ w/65 SXS lead litecrete & 43 SXS 50/50 POZ CMT. TOH. Secure well.

04/29/2003 RU & ran CBL log. Top of CMT @ 4660'. [@ 13:15 spoke with Mike Wade, BLM, & Charlie Perrin, NMOCD, – given okay to do SQZ job] RU & shot 2 SQZ holes @ 4655'. TIH w/CMT retainer & set @ 4633'. CMT SQZ w/50 SXS Litecrete CMT. TOH. Secure wellll.

04/30/2003 TIH to check for fill on CMT Retainer. TOH.

05/01/2003 RU & ran CBL – TOC @ 4360'. [@ 08:30 spoke with Monica Tilden, BLM, & Charlie Perrin, NMOCD, – given okay to do SQZ job] RU & shot 2 SQZ holes @ 4345'. TOH. TIH w/CMT retainer & set @ 4312'. Pump SQZ 30 SXS litecrete. TOH. Secure well.

05/02/2003 RU & run CBL – TOC @ 4148'. Pump 2% KcL WTR to see if hole would hold fluid. [spoke with Jean Morris, BLM, & Charlie Perrin, NMOCD, – given okay to spot 5 BBLS CMT & SQZ top perf @ 4000'. RU & pumped 25 SXS CLS B CMT , SQZ plug into top perf. TOH. Secure well

05/05/2003 Test BOP. Pressure test SQZ to 1000# - lost 25 # in 30 min. Circ hole clean. TOH. Drill CMT to 4308' & tag CMT retainer @ 4312'. DO Retainer. Drill CMT from 4312' to 4385'. Secure well & SDFN.

05/06/2003 TIH & tag CMT @ 4385. Wash to 4633' & tag CMT retainer. DO CMT retainer. Circ hole clean. Secure & SDFN.

05/07/2003 TIH & Drill CMT & CMT retainer set @ 4757'. DO CMT from 4758' to 4825'. TOH. Secure & SDFN.

05/08/2003 Drill CMT from 4825' to 5048'. TOH. Secure & SDFN.

05/09/2003 ND BOP. NU Frac valve. RU & perf Menefee & Cliffhouse w/3 JSPF, .330 inch diameter, 25 Shots / 75 Holes.

4981, 4907, 4900, 4832, 4807, 4775, 4740, 4733, 4725, 4711, 4596, 4583, 4575,  
4557, 4547, 4537, 4527, 4517, 4461, 4443, 4431, 4421, 4388, 4340, 4308

05/13/2003 RU & Frac w/175,500# of 16/30 Brady Sand, 70 Quality Foam & N2. ND Frac Valve. NU Flow back head. Flowed back well thru ¼" choke to pit for 8 hrs.

05/14/2003 Upsized to ½" choke & flowed back for 8 hrs. Upsized to ¾" choke & flowed back for 15 hrs.

05/15/2003 Flowed well to pit thru ¾" choke. Blow down well. TIH & tag fill @ 4764'. C/O to 4888'. PU above perms & flow well to pit thru ¾" choke.

05/16/2003 Flowed well to pit thru ¾" choke. TIH & tag fill @ 4888'. C/O to 4970'. PU above perms, secure well & SI.

05/17/2003 Well SI for 25 hrs. Open well to pit & flow for 8 hrs.

05/18/2003 Well SI for 15 hrs. Open well to pit & flow back thru ¾" choke.

05/19/2003 Blow Down well. TIH & tag fill @ 4965'. C/O to CIBP @ 5048'. DO CIBP & push to 5076'. PU above perms, set well to flow up CSG W/watchman overnight.

05/20/2003 TIH & tag sand @ 5073'. C/O to 5150'. TOH. RU to run flow test. Flow test well thru ¾" choke for 12 hrs. 1300 MCFD Gas, Trace Oil, Trace WTR.

05/21/2003 TIH & tag 4' of fill. C/O & unload hole. RU & TIH w/BHA & TBG plug. TIH w/ 2 3/8" production TBG & land @ 5105'. ND BOP. NUWH. Pull TBG plug. SI well.

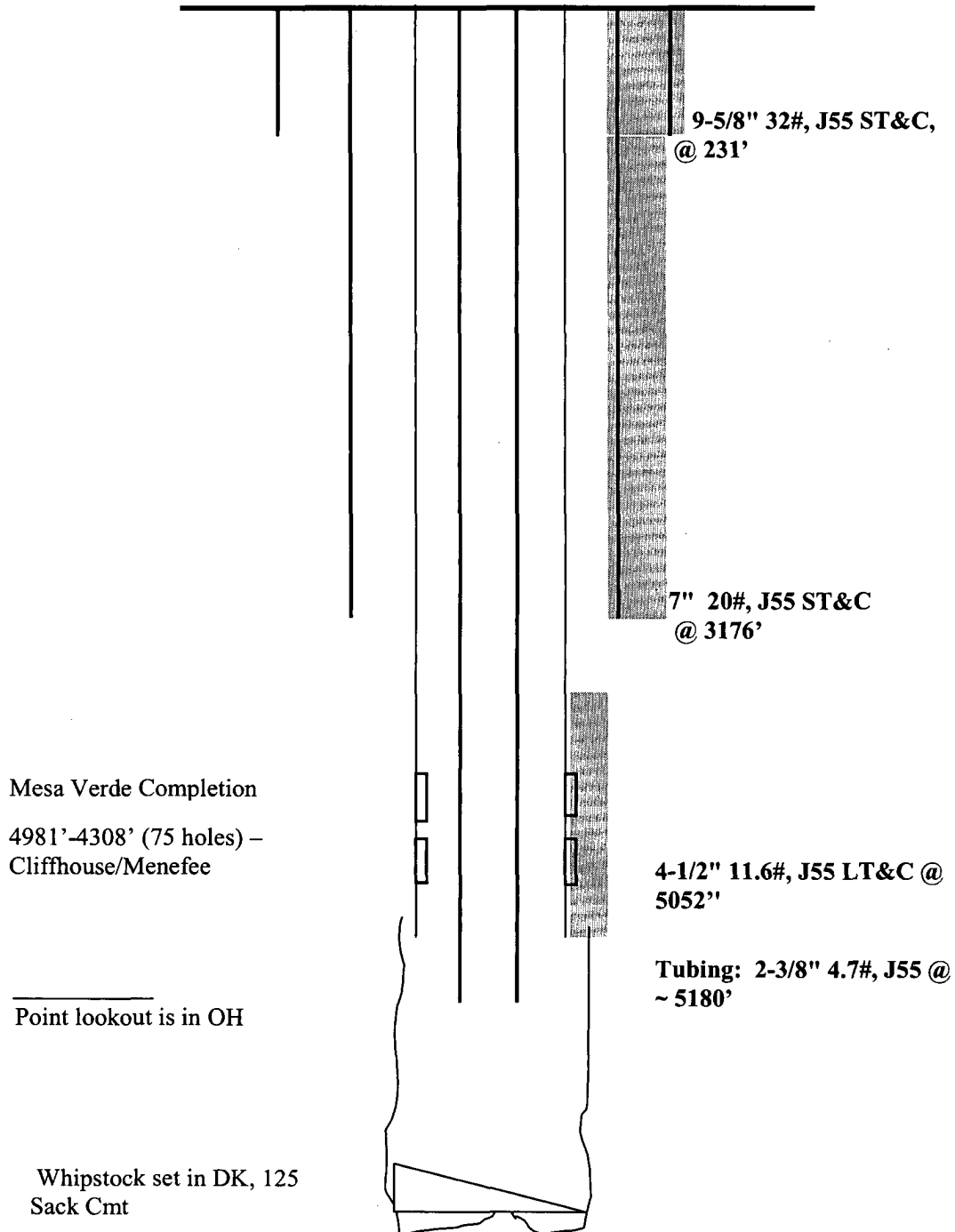
05/22/2003 RD & MOSU. Rig Release @ 11:00 hrs.

# Mudge A # 11B

Sec10, T31N R11W

API: 30-045-31378

GL: 6118'



Mesa Verde Completion  
4981' - 4308' (75 holes) -  
Cliffhouse/Menefee

Point lookout is in OH

Whipstock set in DK, 125  
Sack Cmt

Notes

Updated: 8<sup>th</sup> May 2003, MNP