

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. SF - 078096	
2. Name of Operator AMOCO PRODUCTION COMPANY		6. If Indian, Allottee or Tribe Name	
3a. Address P.O. BOX 3092 HOUSTON, TX 77253		7. If Unit or CA/Agreement, Name and/or No.	
3b. Phone No. (Include area code) Ph: 281.366.4911 Fx: 281.366.0700		8. Well Name and No. MUDGE B 12A	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 17 T31N R11W Mer SWSE 1300FSL 2230FEL		9. API Well No. 00-045-23176	
		10. Field and Pool, or Exploratory BLANCO PC & MV	
		11. County or Parish, and State SAN JUAN COUNTY, NM	

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> SUBCOM
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Amoco Production Company request permission to convert the subject well from a dual string completion to a single string completion and commingle production downhole from the Blanco Pictured Cliffs & Blanco Mesaverde Pools as per the attached procedure.

The Blanco Pictured Cliffs (72359)& the Blanco Mesaverde (72319) Pools are Pre-Approved Pools for Downhole Commingling per NMOCD order R-11363.

The working, overriding, and royalty interest owners in the proposed commingled pools are identical, therefore, no notification of this application need be submitted via certified mail.

Production is proposed to be allocated based on actual production from both the Pictured Cliffs and Mesaverde Pools as reflected on the attached allocation chart.

*MLC 483AZ*

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #6084 verified by the BLM Well Information System For AMOCO PRODUCTION COMPANY, sent to the Farmington Committed to AFMSS for processing by Lucy Bee on 08/06/2001 ( )</b>	
Name (Printed/Typed) MARY CORLEY	Title AUTHORIZED REPRESENTATIVE
Signature	Date 07/31/2001

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

<i>/s/ Jim Lovato</i>		AUG 31	
Approved By		Date	
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office	

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.

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***

**NMOCD**

**Additional data for EC transaction #6084 that would not fit on the form**

**32. Additional remarks, continued**

Commingling Production Downhole in the subject well from the proposed Pools with not reduce the value of the total remaining production.

## **Mudge B 12A**

Downhole commingle Pictured Cliffs and Mesa Verde

### **PROCEDURE:**

1. Check anchors. Check and record tubing, casing, and Bradenhead pressures. Tag and flag valves and bleed flow line pressure to zero. MIRU workover rig.
2. Blow down wellhead. *If necessary, kill with 2% KCl water.*
3. ND wellhead. NU BOPs and diversion spool with 3" outlets and 3" pipe to the blow tank. Pressure test BOPs to 500 psi.
4. Tally OH with short string of tubing (1-1/4" @ 2984') and visually inspect for potential hole and scale.
5. Tally OH with long string of tubing (2-3/8", 4.7#, EUE @ 5550') and visually inspect for potential hole and scale.

***Contingency: If tubing is in poor condition, replace as necessary.***

***Contingency: If scale is detected on the tubing, consult engineer about acidizing the well.***

6. Pull or retrieve packer @ 3047'.
7. Cleanout fill to PBTD at 5615'.
8. Rabbit tubing and RIH with 2-3/8" production tubing with a muleshoe, F-nipple, and plug on bottom. Fill tubing with 2% KCl while RIH and periodically pressure test to 500 psi. Replace any joints that fail pressure test.
9. Land 2-3/8" production tubing @ +/- 5540'.
10. Swab water from the tubing using the sandline. RU slickline and run gauge ring for 2-3/8" tubing. Pull plug, then RD slickline unit. Clean out to PBTD. Flow to cleanup tank.
11. ND BOPs. NU WH. Notify pumper that well is ready to be returned to production. Swab in well with sandline and flow well for several hours on a choke to ensure well is unloaded and ready to produce before turning over to pumper to return to production.

# Mudge B #12A

SE/4 Sec 17, T31N, R11W

6315' GL

## History:

Spud: 6/21/1979

Completed: 9/25/1979

Completed as dual PC-MV producer

Pictured Cliffs Perfs  
 2918'-2933'  
 2940'-2953'  
 2962'-2976'  
 2982'-2990'  
 3008'-3022'

12 spf {

Mesa Verde Perfs  
 4954'-5530'  
 30 shots total

Est. TOC @ surface (circ)  
 9-5/8" 36# K55 @ 221'  
 224 cu ft cmt (circulated)

Est. TOC @ 2200'

Tubing: 1-1/4", 2.3# @ 2984'

Top of 4-1/2" liner @ 3035'  
 Production Packer @ 3047'

7" 20#, K55 @ 3236'  
 459 cu ft cmt

Est. TOC @ TOL

Tubing: 2-3/8" 4.7#, EUE @ 5550'

4-1/2" liner, 10.5#, K55 @ 5632'  
 441 cu ft cmt

PBTD: 5615'

updated: 3/19/2001 DRA

**Well: MUDGE B** **No.: 012A**  
**Operator: AMOCO PRODUCTION CO** **API: 3-0045-23176**  
**Township: 31.0N Range: 11W Section: 17 Unit: O**  
**County: San Juan**

**Year: 2000**

**Pool Name: AZTEC PICTURED CLIFFS (GAS)**

Month	Oil(BBLS)	Gas(MCF)	Water(BBL Days	ProduAccum.	Oil(Accum.	Gas(MCF)
January	0	630	65	31	6171	1778526
February	0	553	0	29	6171	1779079
March	0	559	0	31	6171	1779638
April	0	571	0	30	6171	1780209
May	0	580	0	31	6171	1780789
June	0	550	0	30	6171	1781339
July	0	582	0	31	6171	1781921
August	0	568	0	31	6171	1782489
September	0	540	0	30	6171	1783029
October	0	539	0	31	6171	1783568
November	0	543	0	30	6171	1784111
December	0	547	0	31	6171	1784658
<b>Total</b>	<b>0</b>	<b>6762</b>	<b>65</b>	<b>366</b>		

**Pool Name: BLANCO-MESAVERDE (PRORATED GAS)**

Month	Oil(BBLS)	Gas(MCF)	Water(BBL Days	ProduAccum.	Oil(Accum.	Gas(MCF)
January	6	5557	0	31	6177	1790215
February	27	4881	0	29	6204	1795096
March	21	4928	60	31	6225	1800024
April	34	5040	65	30	6259	1805064
May	8	5121	0	31	6267	1810185
June	28	4856	80	30	6295	1815041
July	10	5139	0	31	6305	1820180
August	26	5015	60	31	6331	1825195
September	6	4766	60	30	6337	1829961
October	18	4756	0	31	6355	1834717
November	31	4790	50	30	6386	1839507
December	17	4827	0	31	6403	1844334
<b>Total</b>	<b>232</b>	<b>59676</b>	<b>375</b>	<b>366</b>		

**Year: 2001**

**Pool Name: AZTEC PICTURED CLIFFS (GAS)**

Month	Oil(BBLS)	Gas(MCF)	Water(BBL Days	ProduAccum.	Oil(Accum.	Gas(MCF)
January	0	538	0	31	6403	1844872
February	0	448	80	28	6403	1845320
March	0	554	0	31	6403	1845874
<b>Total</b>	<b>0</b>	<b>1540</b>	<b>80</b>	<b>90</b>		

**Pool Name: BLANCO-MESAVERDE (PRORATED GAS)**

Month	Oil(BBLS)	Gas(MCF)	Water(BBL Days	ProduAccum.	Oil(Accum.	Gas(MCF)
January	3	4744	0	31	6406	1850618
February	12	3954	0	28	6418	1854572
March	14	4890	70	31	6432	1859462

Total	29	13588	70	90
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ALLOCATION				
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2000 Annual Production

Formation	Gas	%	Oil	%
Pictured Cliffs	6762	0.101779	0	0
Mesaverde	<u>59676</u>	<u>0.898221</u>	<u>232</u>	<u>100</u>
Total	66438		232	

ALLOCATE BASED ON 2001 PRODUCTION

2001 Annual Production

Formation	Gas	%	Oil	%
Pictured Cliffs	1540	0.101798	0	0
Mesaverde	<u>13588</u>	<u>0.898202</u>	<u>29</u>	<u>100</u>
Total	15128		29	