

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
Revised March 17, 1999

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Amoco Production Company P. O. Box 3092 Houston, Texas 77253		² OGRID Number 000778 ³ API Number 30045-30285
⁴ Property Code 000833	⁵ Property Name Martinez Gas Com A	⁶ Well No. 1B

⁷ Surface Location									
UL or lot no. O	Section 32	Township 32N	Range 10W	Lot Idn	Feet from the 810'	North South line South	Feet from the 1535'	East West line East	County San Juan

⁸ Proposed Bottom Hole Location If Different From Surface									
UL or lot no. 27P	Section 32	Township 32N	Range 10W	Lot Idn	Feet from the 762	North South line	Feet from the 837	East West line	County
⁹ Proposed Pool 1 Blanco Mesaverde					¹⁰ Proposed Pool 2				

¹¹ Work Type Code N - New Drill	¹² Well Type Code Gas	¹³ Cable Rotary Rotary/Top Drive	¹⁴ Lease Type Code Fee	¹⁵ Ground Level Elevation 5964'
¹⁶ Multiple No	¹⁷ Proposed Depth MD 5287' TVD 5153'	¹⁸ Formation Mesaverde	¹⁹ Contractor Aztec	²⁰ Spud Date 07/05/2000

²¹ Proposed Casing and Cement Program					
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
(1) 12 1/4"	9 5/8"	32.3#	135'	150 SXS CLS B	Surface
(2) 8 3/4"	7"	20#	2028'	304 SXS CLS B	Surface
(3) 6 1/4"	4 1/2"	10.5#	5153'	320 SXS CLS A	1928'

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

OBJECTIVE: DIRECTIONAL DRILL. Drill 100' into the Mancos Shale, set 4 1/2" Liner across Mesaverde, Stimulate Cliff House, Menefee, and Point Lookout intervals. Run Cased Hole (GR-CCL-TDT) logs: TDT from PBTD to TOL. GR-CCL from PDTB to Surface.

(1) Circulate Cement to Surface (2) Set Casing 50' above Fruitland. (3) Liner Lap should be minimum of 100'.

**Mud Program: 0' - 135' Type - Spud Weight 8.6 - 9.2
135' - 2028' Type - Water Weight 8.6 - 9.2
2028' - TD Type - Gas/Air/Mist Volume sufficient to maintain a stable & clean wellbore**

**The hole will require sweeps to keep unloaded while fresh water drilling. Let hole conditions dictate frequency
Top set Fruitland to minimize lost circulation, air volume to maintain hole stability**

Completion: Rigless, 2-3 Stage Limited Entry Hydraulic Frac.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name: **Mary Corley**

Title: **Sr. Business Analyst**

Date: **06/20/2000**

Phone: **281-366-4491**

OIL CONSERVATION DIVISION

Approved by:

Title: **DEPUTY OIL & GAS INSPECTOR, DIST. #3**

Approval Date: **JUN 22 2000**

Expiration Date: **JUN 22 2001**

Conditions of Approval:

Attached

HOLD C104 FOR Directional survey

District I
PO Box 1980, Hobbs NM 88241-1980
District II
PO Drawer KK, Artesia, NM 87211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-30285	² Pool Code 72319	³ Pool Name Blanco Mesaverde
⁴ Property Code 000833	⁵ Property Name Martinez Gas Com A	⁶ Well Number # 1B
⁷ OGRID No. 000778	⁸ Operator Name AMOCO PRODUCTION COMPANY	⁹ Elevation 5964

¹⁰ Surface Location

UL or Lot No. O	Section 32	Township 32 N	Range 10 W	Lot Idn	Feet from the 810	North/South line SOUTH	Feet from the 1535	East/West line EAST	County SAN JUAN
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¹¹ Bottom Hole Location If Different From Surface

⁷ UL or lot no. P	Section 32	Township 32 N	Range 10 W	Lot Idn	Feet from the 760	North/South line South	Feet from the 760	East/West line EAST	County SAN JUAN
¹² Dedicated Acres 322.24	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. 762	Per Survey 837 10-27-00					

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶ 5429(R) 2610(R) 2617(R) 2769(R)				¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature: Mary Carey Printed Name: Mary Carey Title: Sr Business Analyst Date: 6/20/2000			
32 Lot 1 Lot 2				¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. June 5, 2000 Date of Survey Signature and Seal of Professional Surveyor GARY D. MINN NEW MEXICO REGISTERED PROFESSIONAL LAND SURVEYOR 7016 Certificate Number			

**Amoco Production Company
BOP Pressure Testing Requirements**

Well Name: Martinez Gas Com A 1B

County: San Juan

State: New Mexico

Formation	TVD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	1067'		
Kirtland	1227'		
Fruitland Coal	2078'		
Pictured Cliffs	2390'		
Lewis Shale	2484'		
Cliff House	4019'	500	0
Menefee Shale	4168'		
Point Lookout	4682'	600	0
Mancos	5053'		

**** Note:** Determined using the following formula: $ABHP - (.22 * TVD) = ASP$

Requested BOP Pressure Test Exception: 750 PSI

**SAN JUAN BASIN
Mesaverde Formation
Pressure Control Equipment**

Background

The objective Mesaverde formation maximum surface pressure is anticipated to be less than 1000 PSI, based on shut-in surface pressures from adjacent wells. Pressure control equipment working pressure minimum requirements are therefore 2000 PSI. Equipment to be used will conform to API RP-53 (Figure 2.C.2) for a 2000 PSI system per Federal Onshore Order No. 2. Due to available conventional equipment within the area, 3000 PSI rated pressure control equipment will typically be utilized in a double ram type arrangement. Regional drilling rights to be utilized have substructure height limitations which exclude the use of annular preventers; therefore a rotating head will be installed above these rams. This pressure control equipment will be utilized for conventional drilling below conductor to total depth. No abnormal temperature, pressure, or Hydrogen Sulfide gas is anticipated.

Equipment Specification

Interval

BOP Equipment

Below conductor casing to total depth

**11" nominal or 7 1/16", 3000 PSI double ram
preventer with rotating head.**

All ram type preventers and related control equipment will be hydraulically tested to 250 PSI (low pressure) and 750 PSI (high pressure), upon installation, following any repairs or equipment replacements, or at 30 day intervals. Accessories to BOP equipment will include Kelly cock, upper Kelly cock with a handle available, floor safety valves and choke manifold which will also be tested to equivalent pressure at the appropriate intervals.

