

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 Property Code 000436		⁴ API Number 30-045-30266
⁵ Property Name Ealum Gas Con		⁶ Well No. 1B

⁷ Surface Location									
UL or lot no. C	Section 33	Township 32N	Range 10W	Lot Idn	Feet from the 1000'	North/South line North	Feet from the 2310'	East/West line West	County San Juan

⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	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 6004'
¹⁶ Multiple No	¹⁷ Proposed Depth 5369'	¹⁸ Formation Mesaverde	¹⁹ Contractor Aztec	²⁰ Spud Date 06/16/2000

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#	2349'	353 SXS CLS B	Surface
(3) 6 1/4"	4 1/2"	10.5#	5369' ✓	426 SXS CLS B	2249'

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: 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' - 2349' Type - Water Weight 8.6 - 9.2
2349' - 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: *Mary Corley*

Printed name: **Mary Corley**

Title: **Sr. Business Analyst**

Date: **06/01/2000**

Phone: **281-366-4491**

OIL CONSERVATION DIVISION

Approved by: *[Signature]*

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

Approval Date: **JUN - 2 2000** Expiration Date: **JUN - 2 2001**

Conditions of Approval:

Attached

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 30-045-30266		² Pool Code 72319	³ Pool Name Blanco Mesaverde
⁴ Property Code 000436	⁵ Property Name EALUM GC		⁶ Well Number # 1B
⁷ OGRID No. 000778	⁸ Operator Name AMOCO PRODUCTION COMPANY		⁹ Elevation 6004 -

¹⁰ Surface Location

UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	33	32 N	10 W		1000	NORTH	2310	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

⁷ UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

<div data-bbox="81 1032 1088 2049" data-label="Figure"> </div>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p>Signature <i>Mary Colley</i></p> <p>Printed Name Mary Colley</p> <p>Title Sr. Business Analyst</p> <p>Date 6-1-2000</p>
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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.</p> <p>May 21, 2000</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor</p> <div data-bbox="1153 1702 1477 2021" data-label="Image"> </div> <p>7016</p> <p>Certificate Number</p>

**Amoco Production Company
BOP Pressure Testing Requirements**

Well Name: Ealum Gas Com 1B

County: San Juan

State: New Mexico

Formation	TVD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	1283'		
Kirtland	1443'		
Fruitland Coal	2499'		
Pictured Cliffs	2805'		
Lewis Shale	2877'		
Cliff House	4640'	500	0
Menefee Shale	4723'		
Point Lookout	5084'	600	0
Mancos	5269'		

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

Requested BOP Pressure Test Exception: 750 PSI
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**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

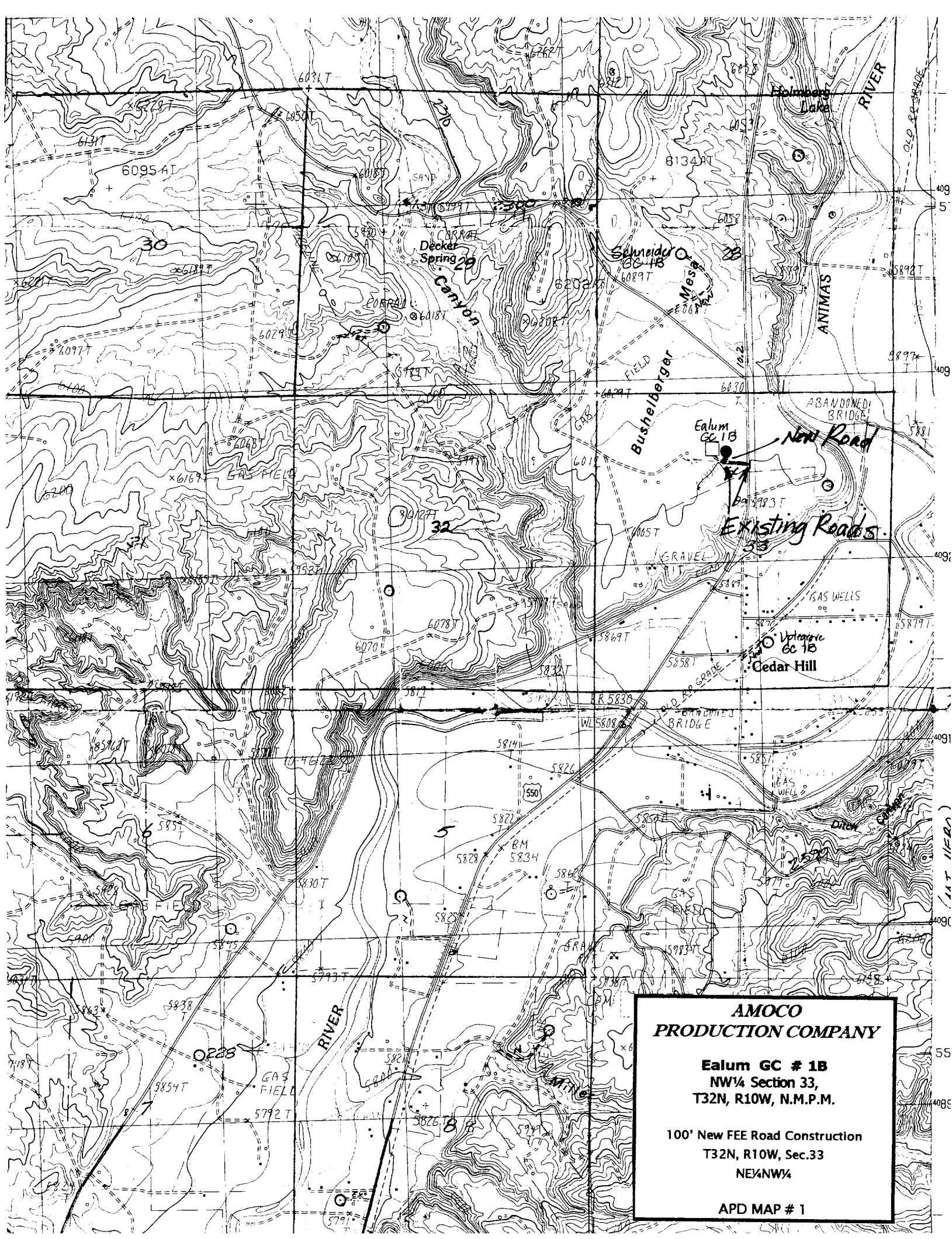
Interval

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.



**AMOCO
PRODUCTION COMPANY**

**Ealum GC # 1B
NW¼ Section 33,
T32N, R10W, N.M.P.M.**

**100' New FEE Road Construction
T32N, R10W, Sec.33
NE¼NW¼**

APD MAP # 1