

UNITED STATES  
DEPARTMENT OF THE INTERIOR

Form approved.  
Budget Bureau No. 1004-0136  
Expires: December 31, 1991

BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

b. TYPE OF WELL

OIL WELL ☐

GAS WELL ☐

Other ☒

DRILL ☒

DEEPEN ☐

SINGLE ZONE ☒

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

AMOCO PRODUCTION COMPANY

3. ADDRESS AND TELEPHONE NO.

P.O. BOX 3092 HOUSTON, TX 77253

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

1210' FSL

2100' FEL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

14 Miles from Bloomfield, NM

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig, unit line, if any)

16. NO. OF ACRES IN LEASE

2372.88

17. NO. OF ACRES ASSIGNED TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

5054'

20. ROTARY OR CABLE TOOLS

21. ELEVATIONS (Show whether DE, RT, GR., etc.)

5948' GR

22. APPROX. DATE WORK WILL START\*

02-01-2000

This section is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT	DENSITY (lb/gal)	YIELD (ft <sup>3</sup> /sk)	WATER (gal/sk)	EXCESS %
12 1/4"	H 40 9 5/8"	32.3#	135'	125 SXS (149 CU.FT.) CLS B CIRC TO SURFACE	15.6	1.19	5.2	100%
8 3/4"	J-55 7"	20#	2229'	174 SXS (501 CU.FT.) CLS B - LEAD 134 SXS (159 CU.FT.) CLS B - TAIL	11.4 15.6	2.88 1.19	16.62 5.25	100%
6 1/4"	J-55 4 1/2"	10.5#	5054'	186 SXS (389 CU.FT.) CemPlus Blend (LiteCrete)	10	2.09	6.68	70%

NOTICE OF STAKING SUBMITTED 10/26/1999

OBJECTIVE: Drill 100' into the Mancos shale, set 4 1/2" Liner across MV, perf & stimulate Cliff House, Menefee, & Point Lookout.

METHOD OF DRILLING: Rotary/Top Drive

DEPTH OF DRILLING: 0' - TD

LOG PROGRAM TYPE: Cased Hole (GR-CCL-TDT)

DEPTH INTERVAL: TDT - PBTD to Top of Liner GR & CCL - PBTD to 0'

MUD PROGRAM:

INTERVAL

TYPE MUD

WEIGHT, #/GAL

0' - 135' (3 JTS)

Spud

8.6 - 9.2

135' - 2229'

Water/LSND

8.6 - 9.2

2229' - TD

Gas/Air/Mist

Volume sufficient to maintain a stable and clean wellbore

(1) Circulate Cement to Surface

(2) Set Casing 50' above Fruitland Coal

(3) Liner Lap should be a minimum of 100'

COMPLETION: Rigless, 2-3 Stage Limited Entry Hydraulic Frac

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
GENERAL REQUIREMENTS

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE SR BUSINESS ANALYST

DATE

01-10-2000

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval 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

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

WAYNE TOWNSEND

TITLE

Pt. Eng.

DATE

7/19/00

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes 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.

AMOCO

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

200 JAN 12 AM 9:37

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-045-30104		<sup>2</sup> Pool Code 72319	<sup>3</sup> Pool Name BLANCO MESAVERDE
<sup>4</sup> Property Code 000462	<sup>5</sup> Property Name A L ELLIOTT D		<sup>6</sup> Well Number # 2B
<sup>7</sup> OGRID No. 000778	<sup>8</sup> Operator Name AMOCO PRODUCTION COMPANY		<sup>9</sup> Elevation 5948

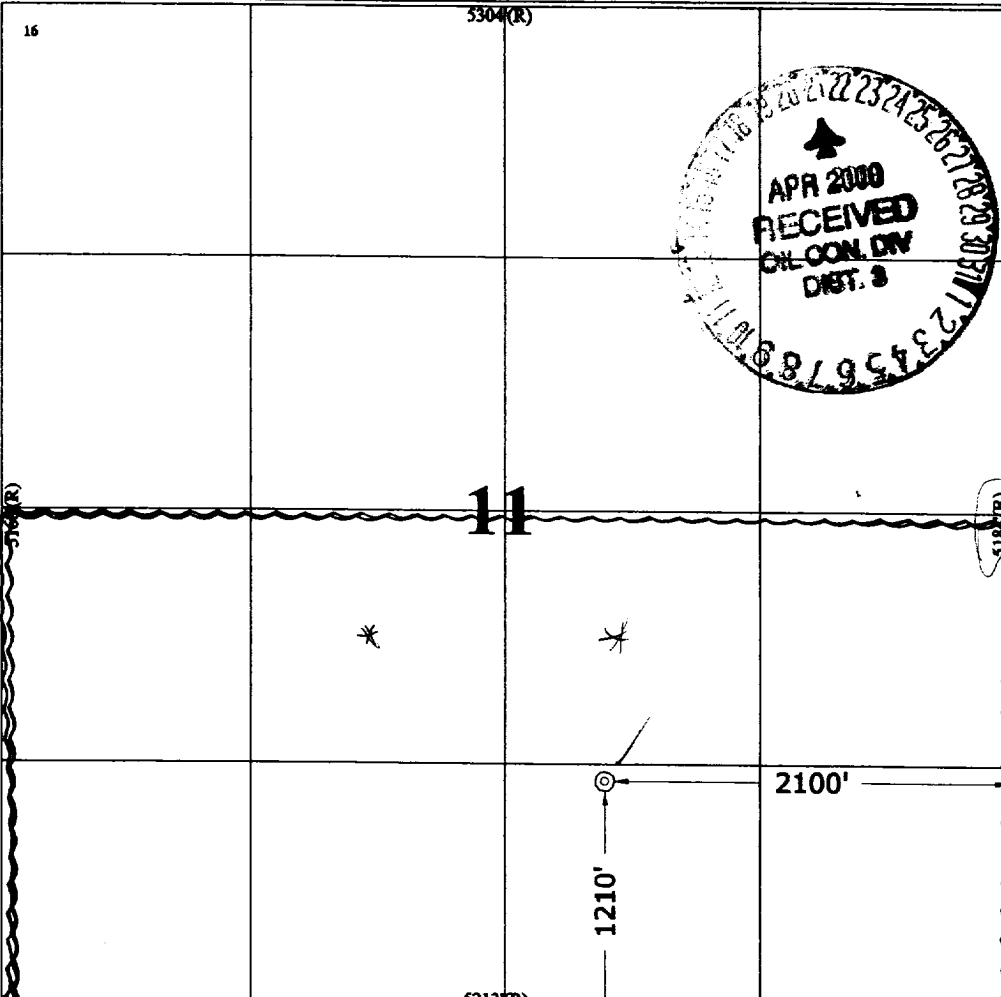
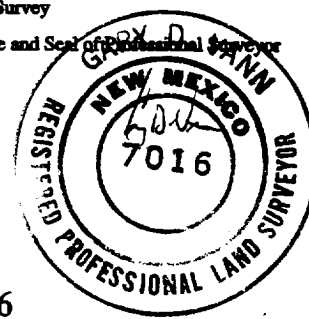
<sup>10</sup> Surface Location

UL or Lot No. O	Section 11	Township 29 N	Range 9 W	Lot Idn	Feet from the 1210	North/South line SOUTH	Feet from the 2100	East/West line EAST	County SAN JUAN
--------------------	---------------	------------------	--------------	---------	-----------------------	---------------------------	-----------------------	------------------------	--------------------

<sup>11</sup> Bottom Hole Location If Different From Surface

<sup>12</sup> UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<sup>13</sup> Dedicated Acres 320	<sup>14</sup> Joint or Infill	<sup>15</sup> Consolidation Code	<sup>16</sup> Order No.						

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>16</div> 	<div>17 OPERATOR CERTIFICATION</div> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Mary Corley</i> Signature MARY CORLEY Printed Name Sr. Business Analyst Title 01/10/2000 Date</p>
	<div>18 SURVEYOR CERTIFICATION</div> <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>November 12, 1999 Date of Survey <i>[Signature]</i> Signature and Seal of Professional Surveyor  7016 Certificate Number</p>

**Amoco Production Company  
BOP Pressure Testing Requirements**

Well Name: A. L. Elliott D 2B

County: San Juan

State: New Mexico

Formation	TVD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	1414'		
Kirtland	1564'		
Fruitland Coal	2279'		
Pictured Cliffs	2559'		
Lewis Shale	2709'		
Cliff House	4179'	500	0
Menefee Shale	4339'		
Point Lookout	4804'	600	0
Mancos	4954'		

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

<b>Requested BOP Pressure Test Exception: 750 PSI</b>
---

---

**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.

