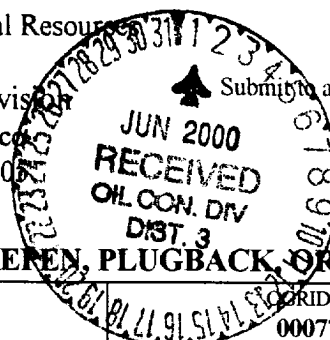


District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 South First, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

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**

<sup>1</sup> Operator Name and Address <b>Amoco Production Company</b> <b>P. O. Box 3092</b> <b>Houston, Texas 77253</b>		<sup>2</sup> OPRID Number <b>000778</b>
<sup>3</sup> Property Code <b>018878</b>		<sup>4</sup> API Number <b>30-045-30263</b>
<sup>5</sup> Property Name <b>State Gas Com K</b>		<sup>6</sup> Well No. <b>1A</b>

**7 Surface Location**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>D</b>	<b>16</b>	<b>31N</b>	<b>11W</b>		<b>1000'</b>	<b>North</b>	<b>945'</b>	<b>West</b>	<b>San Juan</b>

**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

<sup>9</sup> Proposed Pool 1  
**Blanco Mesaverde**

<sup>10</sup> Proposed Pool 2

<sup>11</sup> Work Type Code <b>N - New Drill</b>	<sup>12</sup> Well Type Code <b>Gas</b>	<sup>13</sup> Cable/Rotary <b>Rotary/Top Drive</b>	<sup>14</sup> Lease Type Code <b>State</b>	<sup>15</sup> Ground Level Elevation <b>6022'</b>
<sup>16</sup> Multiple <b>No</b>	<sup>17</sup> Proposed Depth <b>5120'</b>	<sup>18</sup> Formation <b>Mesaverde</b>	<sup>19</sup> Contractor <b>Aztec</b>	<sup>20</sup> Spud Date <b>06/06/2000</b>

**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 1/4"	7"	20#	2273'	340 SXS CLS B	Surface
(3) 6 1/4"	4 1/2"	10.5#	5120' /	348 SXS CLS B	2173'

<sup>22</sup> 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 PBTB 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' - 2273' Type - Water Weight 8.6 - 9.2

2273' - 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.

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>C. Vance Norton</i>	<b>OIL CONSERVATION DIVISION</b>	
Printed name: <b>C. Vance Norton</b>	Approved by: <i>[Signature]</i> Title: <b>DEPUTY OIL &amp; GAS INSPECTOR, DIST. 3</b>	
Title: <b>Sr. Drilling/Completion Foreman</b>	Approval Date: <b>JUN - 1 2000</b>	Expiration Date: <b>JUN - 1 2001</b>

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

<sup>1</sup> API Number 30-045-30263	<sup>2</sup> Pool Code 72319	<sup>3</sup> Pool Name Blanco Mesaverde
<sup>4</sup> Property Code 018878	<sup>5</sup> Property Name State Gas Com K	<sup>6</sup> Well Number # 1A
<sup>7</sup> OGRID No. 00778	<sup>8</sup> Operator Name AMOCO PRODUCTION COMPANY	<sup>9</sup> Elevation 6022 -

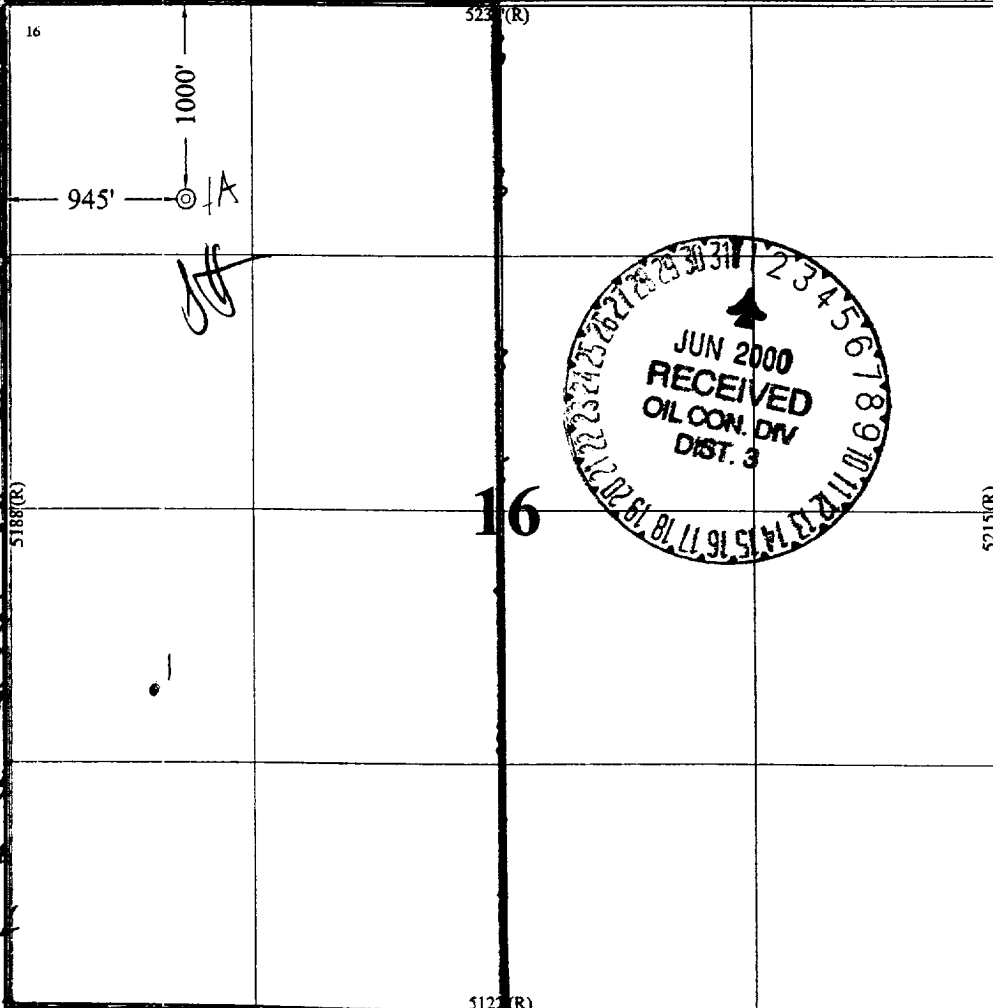
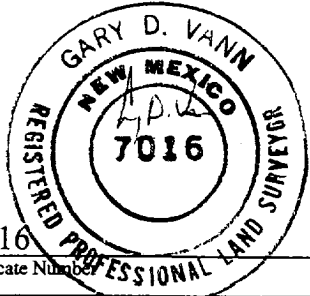
<sup>10</sup> Surface Location

UL or Lot No. D	Section 16	Township 31 N	Range 11 W	Lot Idn	Feet from the 1000	North/South line NORTH	Feet from the 945	East/West line WEST	County SAN JUAN
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<sup>11</sup> 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
<sup>12</sup> Dedicated Acres 320/w	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code		<sup>15</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

	<p><sup>17</sup> 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><i>C Vance Norton</i> Signature C VANCE Norton Printed Name Sr. Drilling/Completion Title June 1, 2000 Date</p>
	<p><sup>18</sup> 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>April 10, 2000 Date of Survey Signature and Seal of Professional Surveyor</p> <p> 7016 Certificate Number</p>

**Amoco Production Company  
BOP Pressure Testing Requirements**

**Well Name:** State Gas Com K 1A

**County:** San Juan

**State:** New Mexico

Formation	TVD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	1022'		
Kirtland	1122'		
Fruitland Coal	2323'		
Pictured Cliffs	2646'		
Lewis Shale	2908'		
Cliff House	4238'	500	0
Menefee Shale	4442'		
Point Lookout	4876'	600	0
Mancos	5020'		

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

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

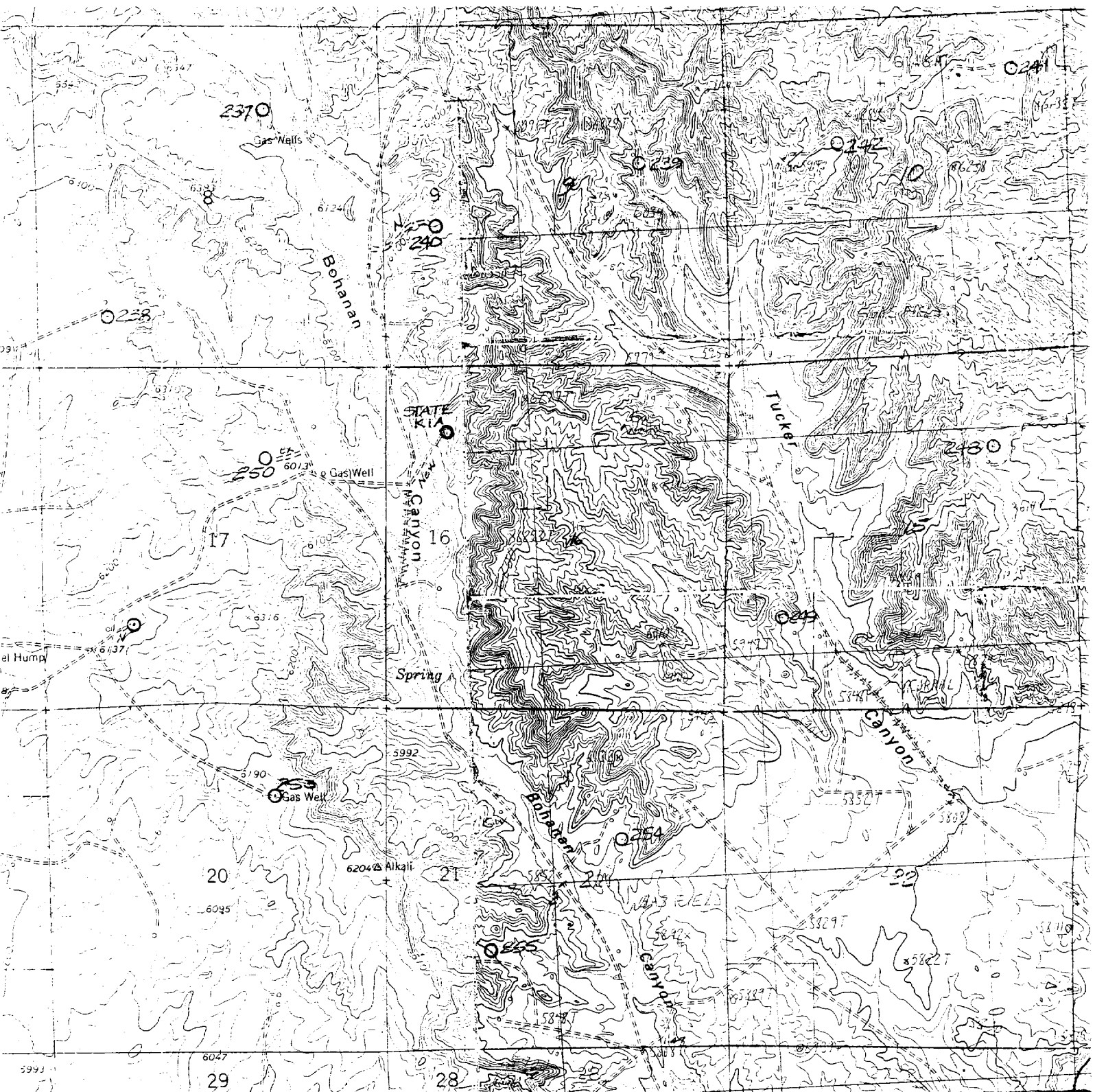
**Interval**

**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.



COLO.) INTERIOR

**AMOCO  
PRODUCTION COMPANY**

**State Gas Com K # 1A**  
NW¼ Section 16,  
T31N, R11W, N.M.P.M.

900' New STATE Road Construction

T31N, R11W, Sec.16

SW¼NW¼ - 600'  
NW¼NW¼ - 300'

APD MAP # 1

Light-duty

ADOBE

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VER