

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> P. O. Box 3092 Houston, Texas 77253		<sup>2</sup> OGRID Number <b>000778</b>
<sup>3</sup> Property Code <b>000570</b>		<sup>4</sup> API Number <b>30045-30230</b>
<sup>5</sup> Property Name <b>Gallegos Canyon Unit</b>		<sup>6</sup> Well No. <b>561</b>

<sup>7</sup> 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>O</b>	<b>21</b>	<b>29N</b>	<b>12W</b>		<b>790</b>	<b>South</b>	<b>1920</b>	<b>East</b>	<b>San Juan</b>

<sup>8</sup> 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 <b>West Kutz Pictured Cliffs</b>					<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>Fee</b>	<sup>15</sup> Ground Level Elevation <b>5435'</b>
<sup>16</sup> Multiple <b>No</b>	<sup>17</sup> Proposed Depth <b>1594'</b>	<sup>18</sup> Formation <b>Pictured Cliffs</b>	<sup>19</sup> Contractor <b>Aztec</b>	<sup>20</sup> Spud Date <b>6/15/2000</b>

<sup>21</sup> Proposed Casing and Cement Program					
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
(1) 8 3/4"	7"	23#	135'	115 SXS CLS B	Surface
(2) 6 1/4"	4 1/2"	10.5#	1594' ✓	161 SXS CLS B	Surface

<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 200' into the Pictured Cliffs, set 4 1/2" Casing to TD, Stimulate the Pictured Cliffs interval.**  
**Run Cased Hole (GR-CCL-TDT) logs: TDT from PBTB. GR- CCL from PDTB to Surface.**

- (1) Circulate Cement to Surface
- (2) Set Casing 200' below top of Pictured Cliffs.

**Mud Program: 0' - 135' Type - Spud Weight 8.6 - 9.2**  
**135' - TD' Type - Water/LSND Weight 8.6 - 9.2**

**The hole will require sweeps to keep unloaded while fresh water drilling. Let hole conditions dictate frequency**  
**Completion: Rigless, Single Stage 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>Mary Corley</i>		<b>OIL CONSERVATION DIVISION</b>	
Printed name: <b>Mary Corley</b>		Approved by: <i>[Signature]</i>	
Title: <b>Sr. Business Analyst</b>		Title: <b>DEPUTY OIL &amp; GAS INSPECTOR, DIST. IV</b>	
Date: <b>05/05/2000</b>		Approval Date: <b>MAY - 8 2000</b> Expiration Date: <b>MAY - 8 2001</b>	
Phone: <b>281-366-4491</b>		Conditions of Approval: Attached	

*CTP*

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 30-045-30230		<sup>2</sup> Pool Code 79680		<sup>3</sup> Pool Name West Kutz Pictured Cliffs		
<sup>4</sup> Property Code 000570		<sup>5</sup> Property Name GALLEGOS CANYON UNIT			<sup>6</sup> Well Number # 561	
<sup>7</sup> OGRID No. 000778		<sup>8</sup> Operator Name AMOCO PRODUCTION COMPANY			<sup>9</sup> Elevation 5435	

<sup>10</sup> Surface Location

UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	21	29 N	12 W		790	SOUTH	1920	EAST	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
160.37 SE									

<sup>13</sup> Dedicated Acres <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

<sup>16</sup> 2627(R)		<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature <u>Mary Corley</u> Printed Name <u>SR. Business Analyst</u> Title <u>5/3/2000</u> Date	
Lot 3		Lot 2	
Lot 4		Lot 6	
Lot 5		Lot 7	
Lot 9		Lot 8	
Lot 10		Lot 11	
2635(R)		2612(R)	
3345(R)		790'	
21		1920'	
Lot 12		7016 Certificate Number	

**Amoco Production Company  
BOP Pressure Testing Requirements**

**Well Name:** Gallegos Canyon Unit 561  
**County:** San Juan

**State:** New Mexico

Formation	TVD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	105'		
Kirtland	225'		
Fruitland Coal	1043'		
Pictured Cliffs	1394'		

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

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

---

**SAN JUAN BASIN  
Pictured Cliffs Formation  
Pressure Control Equipment**

**Background**

The objective Pictured Cliffs 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**

**Gallegos Canyon Unit #561**  
SE 1/4 Section 21,  
T29N, R12W, N.M.P.M.

**No New Road Construction  
APD MAP # 1**

