

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Form C-101  
May 27, 2004

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

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

<sup>1</sup> Operator Name and Address POGO PRODUCING COMPANY P.O. BOX 10340 MIDLAND, TEXAS 79792-7340		<sup>2</sup> OGRID Number 17891 ✓
<sup>3</sup> Property Code 35068 ✓	<sup>4</sup> Property Name EUREKA "21" STATE	<sup>5</sup> Well No. 1 ✓
<sup>6</sup> Proposed Pool 1 WILDCAT-MORROW		<sup>6</sup> Proposed Pool 2

<sup>7</sup> Surface Location									
UL or lot no. A	Section 21	Township 18S	Range 35E	Lot Idn	Feet from the 740'	North-South line NORTH	Feet from the 660'	East-West line EAST	County LEA

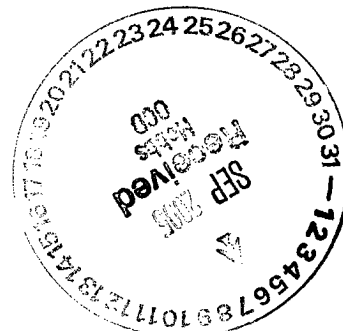
<sup>8</sup> Proposed Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North-South line	Feet from the	East-West line	County

Additional Well Information				
<sup>11</sup> Work Type Code N	<sup>12</sup> Well Type Code G	<sup>13</sup> Cable/Rotary ROTARY	<sup>14</sup> Lease Type Code S ✓	<sup>15</sup> Ground Level Elevation 3909'
<sup>16</sup> Multiple NO	<sup>17</sup> Proposed Depth 15,000'	<sup>18</sup> Formation MORROW	<sup>19</sup> Contractor UNKNOWN	<sup>20</sup> Spud Date WHEN APPROVED
Depth to Groundwater 60'		Distance from nearest fresh water well 1400'		Distance from nearest surface water Playa 1500' Northwest
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 mils thick Clay <input type="checkbox"/> Pit Volume: 18M bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input checked="" type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

<sup>21</sup> Proposed Casing and Cement Program					
Hole Size	Casing Size	Casing weight foot	Setting Depth	Sacks of Cement	Estimated TOC
26"	20"	Conductor	40'	Redi-mix	Surface
17½"	13 3/8"	54.5	1750'	2000 Sx.	Surface
12¼"	9 5/8"	40	4800'	1500 Sx.	Surface
8½"	7"	29	11,900'	1500 Sx.	3000' FS
6 1/8"	4½"	15.1	15,000' Liner	375 Sx.	Top of liner

<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.

SEE ATTACHED SHEET



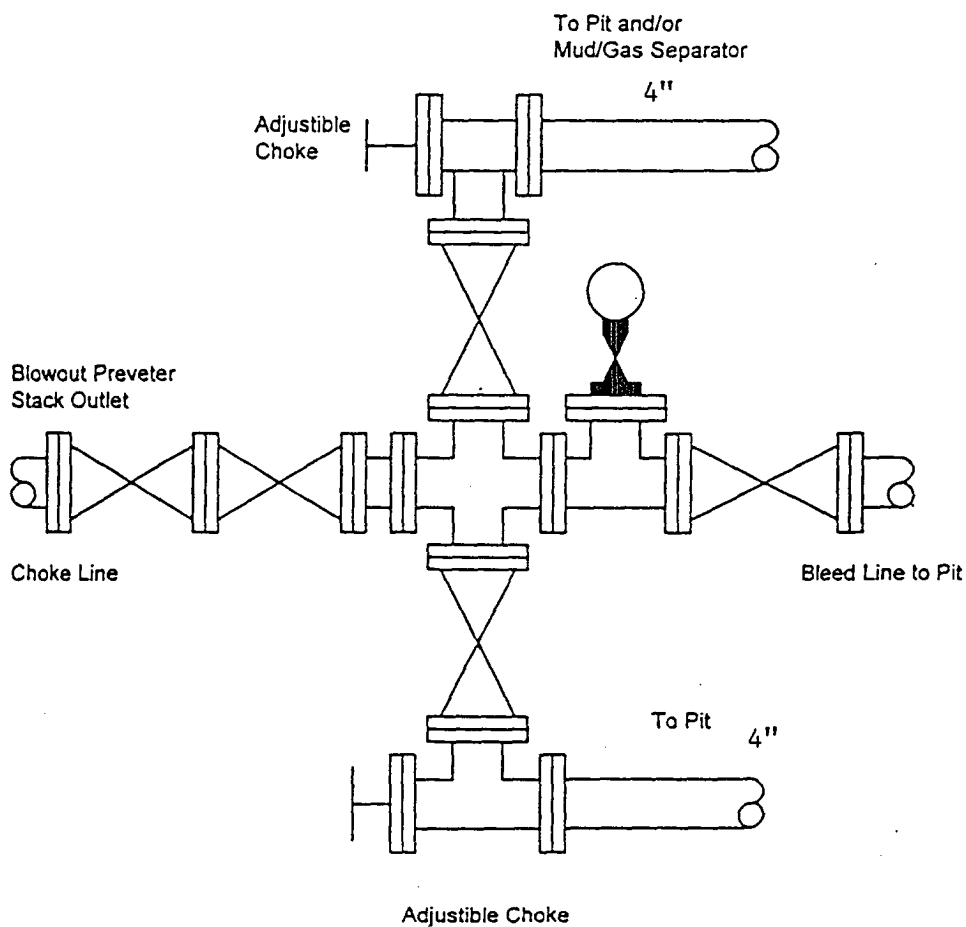
<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines <input checked="" type="checkbox"/> a general permit <input type="checkbox"/> or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		OIL CONSERVATION DIVISION	
Printed name: Joe T. Janica		Approved by:	
Title: Agent		Title: PETROLEUM ENGINEER	
E-mail Address:		Expiration Date:	
Date: 09/06/05	Phone: 505-391-8503	Conditions of Approval Attached <input type="checkbox"/>	

1. Drill 26" hole to 40'. Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
2. Drill 17½" hole to 1750'. Run and set 1750' of 13 3/8" 54.5# J-55 ST&C casing. Cement with 2000 Sx. of Class "C" cement + additives, circulate cement to surface.
3. Drill 12½" hole to 4800'. Run and set 4800' of 9 5/8" 40# N-80 ST&C casing. Cement with 1500 Sx. of Class "C" cement + additives, circulate cement to surface.
4. Drill 8½" hole to 11,900'. Run and set 11,900' of 7" 29# P-110 LT&C casing. Cement in 3 stages, DV Tools at 10,000 and 6500'. Cement 1st stage with 300 Sx. of Class "H" Premium Plus cement + additives, Cement 2nd stage with 550 Sx. of Class "H" Premium Plus cement + additives, Cement 3rd stage with 550 Sx. of Class "H" cement + additives, estimate top of cement 3000' from surface.
5. Drill 6 1/8" hole to 15,000'. Run and set a 4½" 15.1# P-110 LT&C liner from 15,000' back to 11,750'. (3250'). Cement with 375 Sx. of Class "H" Premium Plus cement + additives, cement to top of liner hanger.
6. All cement volumes will be calculated from caliper logs or other type logs.

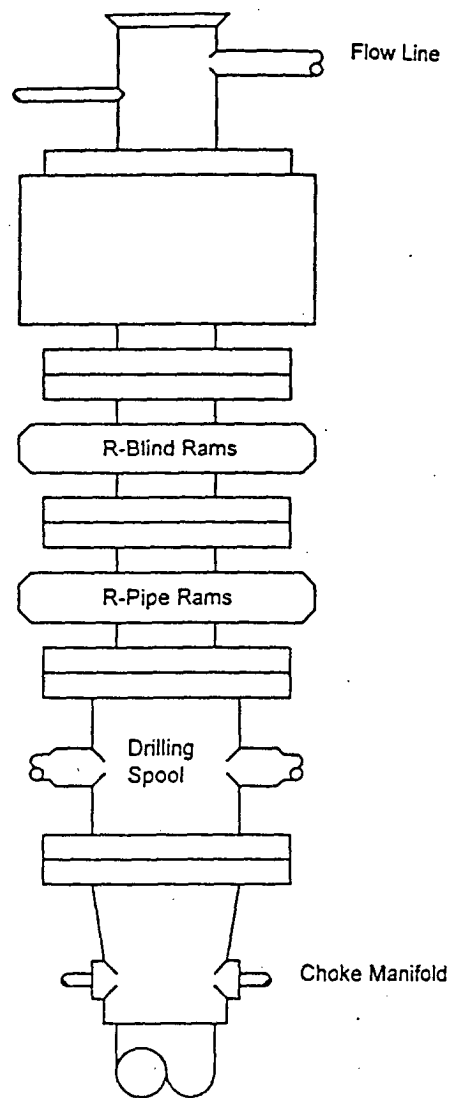
# BLOWOUT PREVENTER SYSTEM

5000 PSI

## Choke Manifold Assembly for 5M WP System



Fill Line



TYPE 1500 SERIES  
5000 psi WP

DISTRICT I  
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II  
811 South First, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised March 17, 1999

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

2040 South Pacheco  
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <b>30-025-37443</b>	Pool Code	Pool Name <b>WILDCAT-MORROW</b>
Property Code <b>35068</b>	Property Name <b>EUREKA "21" STATE</b>	Well Number <b>1</b>
OGRID No. <b>17891</b>	Operator Name <b>POGO PRODUCING COMPANY</b>	Elevation <b>3909'</b>

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>A</b>	<b>21</b>	<b>18 S</b>	<b>35 E</b>		<b>740</b>	<b>NORTH</b>	<b>660</b>	<b>EAST</b>	<b>LEA</b>

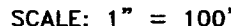
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres <b>320</b>	Joint or Infill	Consolidation Code	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

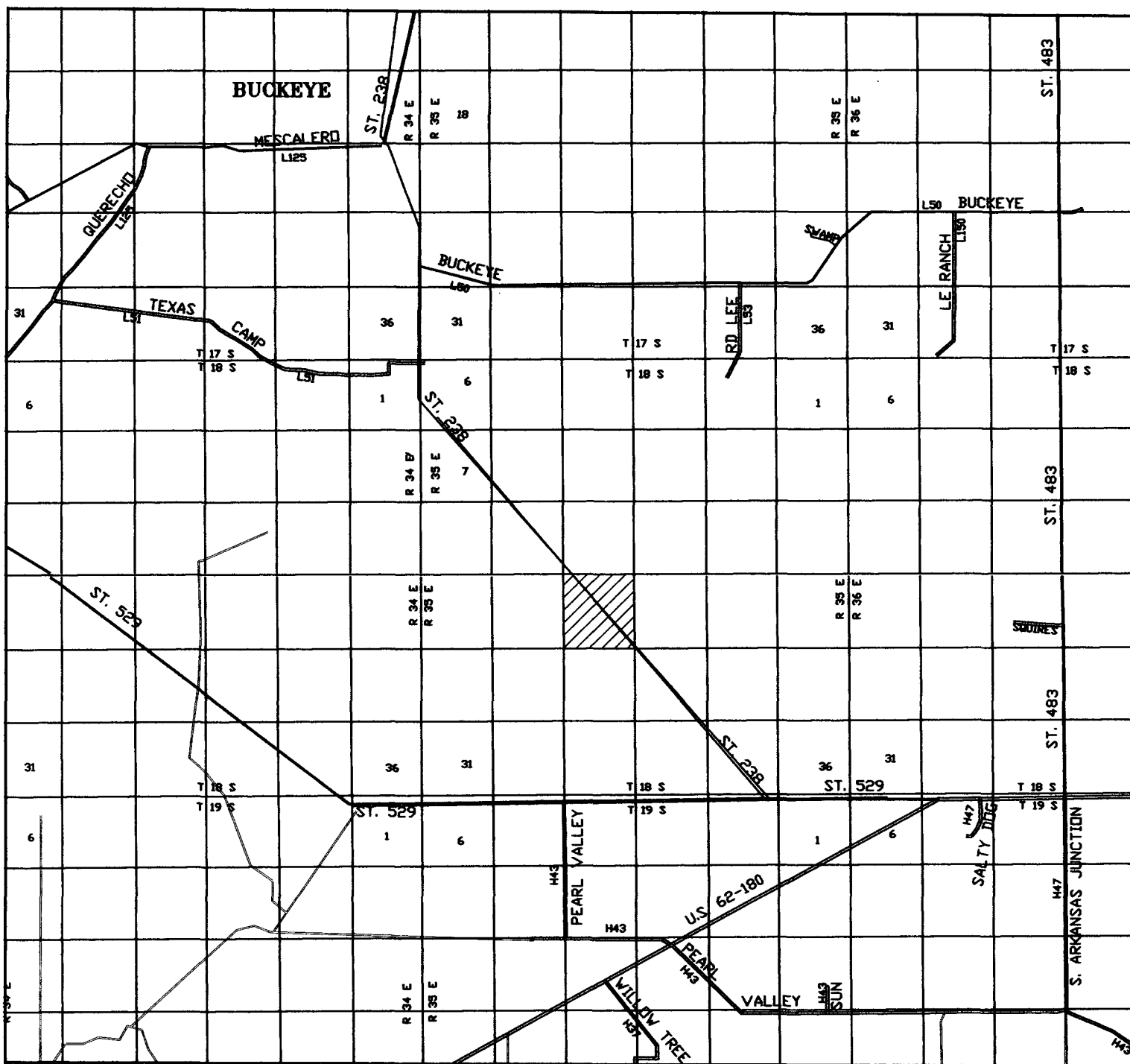
<div>Lat.: N32°44'18.2" Long.: W103°27'21.7"</div> <div>740' 660'</div>	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Joe T Janica</i> Signature <b>Joe T Janica</b> Printed Name Agent Title <b>09/06/05</b> Date</p> <p><b>SURVEYOR CERTIFICATION</b></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><b>AUGUST 11, 2005</b> Date Surveyed Signature &amp; Seal of Professional Surveyor <i>[Signature]</i> W.O. No. 5698 Certificate No. Gary L. Jones 7977 BASIN SURVEYS</p>
---	---

**NEW MEXICO.**

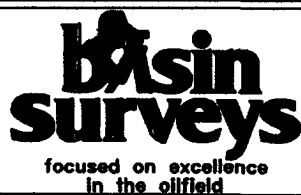


Sheet 1 of 1 Sheets





**EUREKA "21" STATE #1**  
 Located at 740' FNL and 660' FEL  
 Section 21, Township 18 South, Range 35 East,  
 N.M.P.M., Lea County, New Mexico.



P.O. Box 1786  
 1120 N. West County Rd.  
 Hobbs, New Mexico 88241  
 (505) 393-7316 - Office  
 (505) 392-3074 - Fax  
 basin-surveys.com

W.O. Number: 5698AA - KJG CD#1

Survey Date: 08-11-2005

Scale: 1" = 2 MILES

Date: 08-16-2005

**POGO  
 PRODUCING  
 COMPANY**