

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  
1220 S. St. Francis Dr., Santa Fe, NM 87504

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87504

Form C-101  
Revised March 17, 1999

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 Primero Operating, Inc., PO Box 1433, Roswell, NM 88202-1433		<sup>2</sup> OGRID Number 018100
		<sup>3</sup> API Number 30 - 053-20012
<sup>3</sup> Property Code	<sup>5</sup> Property Name Cat Head Mesa Unit	<sup>6</sup> Well No. 1

**<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
K	8	4S	9E		2310	South	1650	West	Socorro

**<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  
Wildcat Atoka

<sup>10</sup> Proposed Pool 2  
Wildcat Abo

<sup>11</sup> Work Type Code E	<sup>12</sup> Well Type Code O	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code P	<sup>15</sup> Ground Level Elevation 6264
<sup>16</sup> Multiple	<sup>17</sup> Proposed Depth 4300	<sup>18</sup> Formation Atoka	<sup>19</sup> Contractor Key Energy Services	<sup>20</sup> Spud Date Est Dec. 1, 2001

**<sup>21</sup> Proposed Casing and Cement Program**

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17.5	13 3/8	61#	1120	900 sx	Surface
12.25	9 5/8	40#	3900	1200 sx	1680
7 7/8	5 1/2	15# & 17#	4300	500 sx	3000

<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.

We propose to re-enter the Cathead Mesa Well which was drilled by Manzano Oil in 1996. We will drill out the cement plugs in the 13 3/8" and 9 5/8" casing as well as the 8 3/4" open hole to a depth of 4300'. At that point we propose to test the open hole in Pre-cambrian and Atoka sands using a packer and tubing. After testing the open hole section, we plan to set a RBP in the base of the 9 5/8" casing and test various Abo sands and tertiary sills. If no commercial Hydrocarbons are found, we will plug and abandon the well following NMOC rules and regulations. If commercial hydrocarbons are found we will run 5 1/2" casing to bring the well bore up to reasonable production standards. The mud program will be fresh water with KCL. A BOP diagram is attached.

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name: Phelps White

Title: President

Date: 11/16/01

Phone: 505 622-1001

Approved by:

Title: **DISTRICT SUPERVISOR**

Approval Date: 11/29/01

Expiration Date: 11/29/02

Conditions of Approval:

Attached ☐

OIL CONSERVATION COMMISSION TO BE NOTIFIED  
WITHIN 24 HOURS OF BEGINNING OPERATIONS

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State of New Mexico  
Energy, Minerals & Natural Resources DepartmentOIL CONSERVATION DIVISION  
1220 South St. Francis Dr  
Santa Fe NM 87504Form C-102  
Revised August 15, 2000Submit 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--53-20012	<sup>2</sup> Pool Code Wildcat	<sup>3</sup> Pool Name
<sup>4</sup> Property Code	<sup>5</sup> Property Name Cathead Mesa Unit	<sup>6</sup> Well Number 1
<sup>7</sup> OGRID No. 018100	<sup>8</sup> Operator Name Primero Operating Inc	<sup>9</sup> Elevation 6264

<sup>10</sup> Surface Location

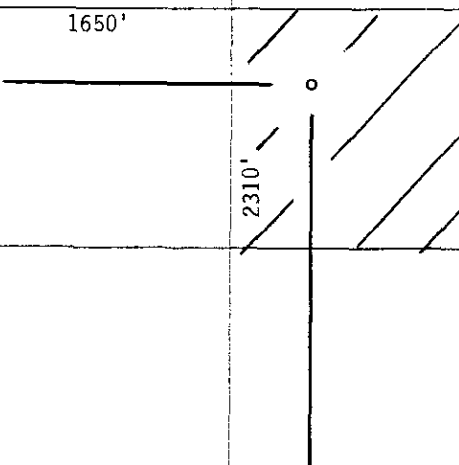
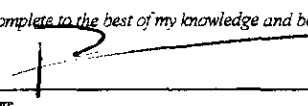
UL or lot no. K	Section 8	Township 4S	Range 9E	Lot Idn	Feet from the 2310	North/South line South	Feet from the 1650	East/West line West	County Socorro
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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<sup>12</sup> Dedicated Acres 40	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

16				<sup>17</sup> OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>  Signature Phelps White Printed Name President Title 11-19-01 Date
				<sup>18</sup> SURVEYOR CERTIFICATION <i>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.</i> July 11, 1996 Date of Survey Signature and Seal of Professional Surveyor:  Surveyed 7-11-96 by P. R. Patton Certificate Number