

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  
June 16, 2008

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 <b>ELM RIDGE EXPLORATION COMPANY, LLC P. O. BOX 156, BLOOMFIELD, NM 87413</b>		<sup>2</sup> OGRID Number <b>149052</b>
		<sup>3</sup> API Number <b>30-045-34784</b>
<sup>3</sup> Property Code <b>24139</b>	<sup>5</sup> Property Name <b>NEW MEXICO STATE</b>	<sup>6</sup> Well No <b>4</b>
<sup>9</sup> Proposed Pool 1 <b>NAGEEZI GALLUP</b>		<sup>10</sup> Proposed Pool 2

**<sup>7</sup> Surface Location**

UL or lot no <b>J</b>	Section <b>32</b>	Township <b>24 N</b>	Range <b>8 W</b>	Lot Idn	Feet from the <b>1980</b>	North/South line <b>SOUTH</b>	Feet from the <b>1910</b>	East/West line <b>EAST</b>	County <b>SAN JUAN</b>
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**<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
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**Additional Well Information**

<sup>11</sup> Work Type Code <b>N</b>	<sup>12</sup> Well Type Code <b>O</b>	<sup>13</sup> Cable/Rotary <b>ROTARY</b>	<sup>14</sup> Lease Type Code <b>S</b>	<sup>15</sup> Ground Level Elevation <b>6,978'</b>
<sup>16</sup> Multiple <b>S</b>	<sup>17</sup> Proposed Depth <b>5,700'</b>	<sup>18</sup> Formation <b>GREENHORN</b>	<sup>19</sup> Contractor <b>BEARCAT</b>	<sup>20</sup> Spud Date <b>DEC. 1, 2008</b>

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

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
<b>12-1/4"</b>	<b>8-5/8"</b>	<b>24 #</b>	<b>350'</b>	<b>245</b>	<b>SURFACE</b>
<b>7-7/8"</b>	<b>5-1/2"</b>	<b>10.5 #</b>	<b>5,700'</b>	<b>1,200</b>	<b>SURFACE</b>

<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.

**WILL USE 2,000 # BOP SYSTEM**

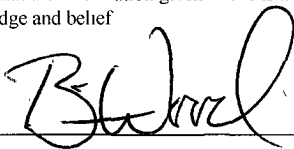
**THIS APD RENEWS PREVIOUS APD WHICH EXPIRED BEFORE CONSTRUCTION OR DRILLING  
NO CHANGES FROM PREVIOUS APD**

A COMPLETE C-144 MUST BE SUBMITTED TO AND APPROVED BY THE NMOCD FOR: A PIT, CLOSED LOOP SYSTEM, BELOW GRADE TANK, OR PROPOSED ALTERNATIVE METHOD, PURSUANT TO NMOCD PART 19.15.17, PRIOR TO THE USE OR CONSTRUCTION OF THE ABOVE APPLICATIONS.

ROVD SEP 4 '08  
OIL CONS. DIV.  
DIST. 3  
**NOTIFY AZTEC OCD 24 HRS  
PRIOR TO CASING & CEMENT**

<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

**BRIAN WOOD**

Title

**CONSULTANT**

E-mail Address

**brian@permitswest.com**

Date

**9-2-08**

Phone

**(505) 466-8120**

OIL CONSERVATION DIVISION

Approved by

Title

**DEPUTY OIL & GAS INSPECTOR, DIST. 3**

Approval Date

**SEP 09 2008**

Expiration Date

**SEP 09 2010**

Conditions of Approval Attached ☐

SEP 09 2008

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State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, N.M. 87505

Form C-102

Revised October 12, 2005

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 <b>30-045-34.784</b>	<sup>2</sup> Pool Code <b>47540</b>	<sup>3</sup> Pool Name <b>NAGEEZI GALLUP</b>
<sup>4</sup> Property Code <b>24139</b>	<sup>5</sup> Property Name <b>NEW MEXICO STATE</b>	
<sup>6</sup> GRID No. <b>149052</b>	<sup>7</sup> Operator Name <b>ELM RIDGE EXPLORATION</b>	<sup>8</sup> Well Number <b>4</b>
		<sup>9</sup> Elevation <b>6978</b>

#### <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
J	32	24 N	8 W		1980	SOUTH	1910	EAST	SAN JUAN

#### <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 <b>40</b>	<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

2641.95' N 0°14'06" E	16 N 89°59'28" E	2640.66'	N 89°57'37" E	2639.93'	2641.54' S 0°01'08" W	<b>17 OPERATOR CERTIFICATION</b> <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>  Signature <u>Brian Wood</u> Date <u>9-2-08</u> Printed Name <b>BRIAN WOOD</b>	
	2634.48'	SECTION 32 NAD 83 LAT: 36.269030° N LONG: 107.702683° W					1910'
	N 0°16'09" E	2650.25'	S 89°58'57" W	2650.66'			