

**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

APR 30 2009

Form C-101  
June 16, 2008

RM

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 OGX RESOURCES, LLC P.O. BOX 2064 MIDLAND, TX 79702		<sup>2</sup> OGRID Number 217955
		<sup>3</sup> API Number 30-015 -36645
<sup>4</sup> Property Code 37396	<sup>5</sup> Property Name HIGGINS "33"	<sup>6</sup> Well No. 1H
<sup>9</sup> Proposed Pool 1 BRUSHY CANYON- <del>DE</del> LOVING <u>&lt;40350&gt;</u>		<sup>10</sup> Proposed Pool 2

<sup>7</sup> Surface Location

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	/South line	Feet from the	East line	County
1	33	23S	28E		2300	SOUTH	660	EAST	EDDY

<sup>8</sup> Proposed Bottom Hole Location If Different From Surface

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	/South line	Feet from the	West line	County
L	33	23S	28E		1980	SOUTH	350	WEST	EDDY

### Additional Well Information

<sup>11</sup> Work Type Code A	<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 3066'
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth 6800'	<sup>18</sup> Formation DELAWARE	<sup>19</sup> Contractor BASIC PULLING UNIT	<sup>20</sup> Spud Date 5/5/09


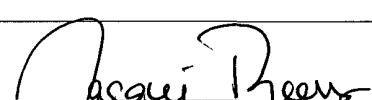
<sup>21</sup> Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	48#	515'	450	SURF
12 1/4"	9 5/8"	36#	2500'	800	SURF
7 7/8"	5 1/2"	17#	10.816'	2250	1750

<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.

THIS WELL IS CURRENTLY A ROD PUMP HORIZONTAL 1<sup>ST</sup> BONE SPRING WELL. THE WELL WILL BE RECOMPLETED TO THE BRUSHY CANYON, TESTED & SUBSEQUENTLY COMMINGLED WITH THE BONE SPRING AT A TIME THAT CROSS-FLOW WILL NOT OCCUR. RECOMPLETION IS AS FOLLOWS

SET RBP @ 6800', TEST TO 500 PSI, SPOT SAND & DUMP 15' CMT. PERFORATE BRUSHY CANYON. 6056-6070 & 6110-6120. SAND FRAC, C/O FILL 7 DRILL OUT CMT TO SAND OVER RBP LEAVE RBP IN PLACE. RETURN WELL TO ROD PUMP PRODUCTION FROM THE BRUSHY CANYON TEST WELL & PRODUCE TO PUMPED DOWN STATE. REPORT TO NMOC& & APPLY FOR COMMINGLING PERMIT. UPON APPROVAL, RETRIEVE RBP & ADD BONE SPRING PRODUCTION.

<p><sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.</p>		<p>OIL CONSERVATION DIVISION</p>	
<p>Signature: </p>		<p>Approved by: </p>	
<p>Printed name JEFF BIRKELBACH</p>		<p>Title: Geologist</p>	
<p>Title: ENGINEERING MANAGER</p>		<p>Approval Date: 5/16/2009</p>	<p>Expiration Date: 5/16/2011</p>
<p>E-mail Address: jeff@ogxresources.com</p>			
<p>Date: April 28, 2009</p>	<p>Phone: 432-685-1287</p>	<p>Conditions of Approval Attached <input type="checkbox"/></p>	

MAY - 5 2009

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## State of New Mexico

Energy, Minerals &amp; Natural Resources Department

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 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 30-015-36645	<sup>2</sup> Pool Code 40350	<sup>3</sup> Pool Name LOVING, BRUSHY CANYON, East
<sup>4</sup> Property Code 37396	<sup>5</sup> Property Name HIGGINS 33	<sup>6</sup> Well Number 1H
<sup>7</sup> OGRID No. 217955	<sup>8</sup> Operator Name OGX RESOURCES, LLC	<sup>9</sup> Elevation 3066'

<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
1	33	23S	28E		2300'	SOUTH	660'	EAST	EDDY

<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
L	33	23S	28E		1980'	SOUTH	350'	WEST	EDDY
<sup>12</sup> Dedicated Acres 40	<sup>13</sup> Joint or Infill Y	<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.

<sup>16</sup>	<sup>17</sup> <b>OPERATOR CERTIFICATION</b> 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 released 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.  Signature Date 5/03/09 JEFF BIRKELBACH Printed Name
	<sup>18</sup> <b>SURVEYOR CERTIFICATION</b> 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 Date of Survey Signature and Seal of Professional Surveyor
	Certificate Number