

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

District II  
811 S. First St., Artesia, NM 88210  
Phone: (505) 748-1283 Fax: (505) 748-9720

District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico

Form C-101  
Revised November 14, 2012

Energy Minerals and Natural Resources

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505



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

<sup>1</sup> Operator Name and Address LEGEND NATURAL GAS III LP 15021 KATY FREEWAY, SUITE 200, HOUSTON, TX 77094		<sup>2</sup> OGRID Number 258894
		<sup>3</sup> API Number 30-015-40862
<sup>4</sup> Property Code 39572	<sup>5</sup> Property Name COLT STATE COM	<sup>6</sup> Well No. 2H

<sup>7</sup> Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
D	5	25S	28 E		330	N	380	W	EDDY

<sup>8</sup> Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
M	5	25S	28E		330	S	380	W	EDDY

<sup>9</sup> Pool Information

Pool Name WILLOW LAKE; BONE SPRING	Pool Code 64450
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Additional Well Information

<sup>11</sup> Work Type N	<sup>12</sup> Well Type O	<sup>13</sup> Cable/Rotary C	<sup>14</sup> Lease Type STATE	<sup>15</sup> Ground Level Elevation 3038
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth 7230'TVD; 12300'MD	<sup>18</sup> Formation BONE SPRING	<sup>19</sup> Contractor PATTERSON	<sup>20</sup> Spud Date UPON ARRIVAL
Depth to Ground water <133'	Distance from nearest fresh water well 7563' NE OF WINDMILL		Distance to nearest surface water 1800' S OF CHINA DRAW	

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

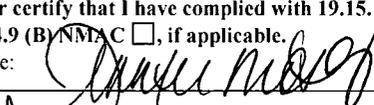
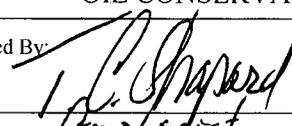
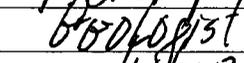
Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
SURFACE	17.5	13.375	48	400'TVD	445	GL
INTERMED.	12.25	9.625	36	2500'TVD	655	GL
PROD.	8.75	5.5	17	7900'TVD; 12300'MD	2050	GL

Casing/Cement Program: Additional Comments

SET DV TOOL @ 2700' TVD/ND; STAGE 1 = 1500 SXS & STAGE 2 = 550 SXS

<sup>22</sup> Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
	5000	3500	

<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 I have complied with 19.15.14.9 (A) NMAC <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input type="checkbox"/> , if applicable. Signature:  Printed name: JENNIFER MOSLEY Title: REGULATORY ANALYST E-mail Address: jmosley@lng2.com Date: 01/11/2013	OIL CONSERVATION DIVISION	
	Approved By: 	
	Title: 	
	Approved Date: 1/14/2013	Expiration Date: 1/14/2015
	Conditions of Approval Attached	

Submit 1 Copy To Appropriate District Office  
 District I - (575) 393-6161  
 1625 N. French Dr., Hobbs, NM 88240  
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State of New Mexico  
 Energy, Minerals and Natural Resources  
**OIL CONSERVATION DIVISION**  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

Form C-103  
 Revised August 1, 2011

WELL API NO. 30-015-40862
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. VA-2779-0001
7. Lease Name or Unit Agreement Name COLT STATE COM
8. Well Number 2H
9. OGRID Number 258894
10. Pool name or Wildcat WILLOW LAKE, BONE SPRING

**SUNDRY NOTICES AND REPORTS ON WELLS**  
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well  Gas Well  Other

2. Name of Operator  
LEGEND NATURAL GAS III, LP

3. Address of Operator  
15021 KATY FREEWAY, SUITE 200, HOUSTON, TX 77094

4. Well Location  
 Unit Letter D : 330 feet from the NORTH line and 380 feet from the WEST line  
 Section 5 Township 25S Range 28E NMPM County EDDY

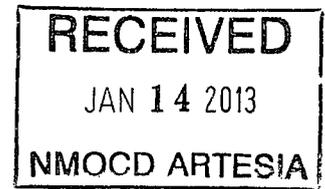
11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
3038' GL

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

CHANGING DRILLED HOLE SIZE FOR PRODUCTION STRING FROM 7.785 TO 8.75 AND SXS OF CEMENT USED



Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Jennifer Mosley TITLE: REGULATORY ANALYST DATE: 01/11/13

Type or print name: JENNIFER MOSLEY E-mail address: [jmosley@lng2.com](mailto:jmosley@lng2.com) PHONE: (817) 872-7855

**For State Use Only**  
 APPROVED BY: J. C. Shepard TITLE: Geologist DATE: 1/14/2013  
 Conditions of Approval (if any):