

**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: (575) 748-1283 Fax: (575) 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

☐ AMENDED REPORT

**RECEIVED**

FEB 12 2013

**NMOCD ARTESIA**

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

1. Operator Name and Address LEGEND NATURAL GAS III LIMITED PARTNERSHIP 15021 KATY FREEWAY, SUITE 200, HOUSTON, TX 77094		2. OGRID Number 258894
3. Property Code 305419	4. Property Name BUCKSHOT STATE COM	5. Well No. 2H

#### 7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
P	31	24 S	28 E		330	S	620	E	EDDY

#### 8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
A	31	24 S	28 E		330	N	620	E	EDDY

#### 9. Pool Information

WILLOW LAKE; BONE SPRING, West	Pool Name	96415	Pool Code 64450
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#### Additional Well Information

11. Work Type N	12. Well Type O	13. Cable/Rotary R	14. Lease Type S	15. Ground Level Elevation 3039
16. Multiple N	17. Proposed Depth 7900 TVD & 12300' MD	18. Formation BONE SPRING	19. Contractor	20. Spud Date UPON APPROVAL
Depth to Ground water <133'		Distance from nearest fresh water well 6600' SSE OF WATER WELL		Distance to nearest surface water >800' S OF CHINA DRAW

#### 21. 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
PRODUCT.	7.785	5.5	17	7900 & 12300'	1695	GL

#### Casing/Cement Program: Additional Comments

SET DV TOOL @ 2700' TVD/MD STAGE 1 = 1275 SX & STAGE 2 = 420 SX
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#### 22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
	5000	3500	

23. 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 ☐ and/or 19.15.14.9 (B) NMAC ☐, if applicable.  
Signature: *Brian Wood*

Printed name: BRIAN WOOD  
Title: CONSULTANT  
E-mail Address: brian@permitswest.com  
Date: 2-5-13  
Phone: (505) 466-8120

#### OIL CONSERVATION DIVISION

Approved By: *J. C. Shepard*

Title: *Geologist*

Approved Date: *2/13/2013*

Expiration Date: *2/13/2015*

Conditions of Approval Attached

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Phone (505) 476-3480 Fax: (505) 476-3482

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised August 1, 2011

Submit one copy to appropriate  
District Office

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015- <b>41093</b>	Pool Code <b>64450 96415</b>	Pool Name <b>WILLOW LAKE; BONE SPRING, west</b>
Property Code <b>36251 305419</b>	Property Name <b>BUCKSHOT STATE COM</b>	Well Number <b>2H</b>
OGRID No. <b>258894</b>	Operator Name <b>LEGEND NATURAL GAS III, L.P.</b>	Elevation <b>3039'</b>

Surface Location

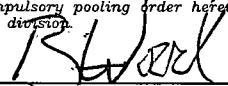
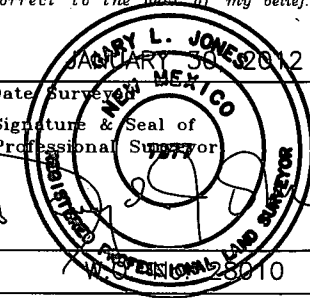
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>P</b>	<b>31</b>	<b>24 S</b>	<b>28 E</b>		<b>330</b>	<b>SOUTH</b>	<b>620</b>	<b>EAST</b>	<b>EDDY</b>

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
<b>A</b>	<b>31</b>	<b>24 S</b>	<b>28 E</b>		<b>330</b>	<b>NORTH</b>	<b>620</b>	<b>EAST</b>	<b>EDDY</b>

Dedicated Acres <b>160</b>	Joint or Infill	Consolidation Code	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

LOT 1 N.: 429693.3 E.: 602543.8	PROPOSED BOTTOM HOLE LOCATION Lat - N 32°10'49.19" Long - W 104°07'12.81" NMSPE- N 429404.622 E 607268.698 (NAD-83)	N.: 429717.0 E.: 605222.4	620' N.: 429740.0 E.: 607887.9	OPERATOR CERTIFICATION 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.  Signature <b>BRIAN WOOD</b> Date <b>2-6-13</b> brian@permitswest.com Email Address
LOT 2				
N.: 427037.4 E.: 602547.0			N.: 427059.1 E.: 607894.3	SURVEYOR CERTIFICATION 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 Surveyed <b>JANUARY 30, 2012</b> Signature & Seal of Professional Surveyor Certificate No. Gary L. Jones 7977 BASIN SURVEYS 28010
LOT 3				
LOT 4	SURFACE LOCATION Lat - N 32°10'02.73" Long - W 104°07'12.80" NMSPE- N 424709.629 E 607279.132 (NAD-83)	N.: 424384.9 E.: 605239.8	620' N.: 424378.1 E.: 607900.8	
N.: 424385.5 E.: 602546.6				