

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 793-6161 Fax: (575) 793-0720

District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-0720

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
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-101
Revised August 1, 2011

Permit:

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

Operator Name and Address LEGEND Natural Gas, LLC 410 W. Grand Parkway South, Katy, TX 77494		OGRIID Number 2588941
		API Number 30-015-35342
Property Code 305418	Property Name Winchester 3 State	Well No. 1

Surface Location

UT - 1st K	Section 5	Township 24S	Range 28E	Lot 1st	Feet from 1980 1004	N/S Line South	Feet From 1980 1986	E/W Line West	County Eddy
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Pool Information

SULPHATE DRAM; Wolfcamp, NW (G)	96333
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Additional Well Information

Work Type Plugback	Well Type G	Cable/Rotary	Lease Type S	Ground Level Elevation 3007
Multiple N	Proposed Depth 12910	Formation WC	Contractor	Spud Date
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	17 1/2"	13 3/8"	48#	650'	575 sbs	
Intermediate	12 1/4"	9 5/8"	36#	2,600'	900 sbs	
Production	8 3/4"	7"	26#	9,897'	1879 sbs	
Liner		4 1/2"	11.6#	9050' - 12,833'		9100' (SLR - CBL Log 4/15/2011)

Casing/Cement Program: Additional Comments

Plugback Penn Shale to 10,650' with CIBP and dump bail 35' of Cement. Perforations: Phase 1 - 10,604 - 10,612' 6spf 60deg 0.4" hole
Phase 2 - 10,526 - 10,568' 6spf 60deg 0.4" hole; Phase 3 - 10,384 - 10,440' 6spf 60deg 0.4" hole; Phase 4 - 10,268 - 10,324' 6spf 60deg 0.4" hole
Phase 5 - 10,068 - 10,150' 6spf 60deg 0.4" hole

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer

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

I further certify that the drilling pit will be constructed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCTD-approved plan ☐.

Printed name: Shannon J Richard

Title: Sr Staff Completions Engineer

E-mail Address: Srichard@LNG2.com

Date: 9/27/2011

Phone: 281.644.5963

OIL CONSERVATION DIVISION

Approved By:

Title:

Approved Date:

Expiration Date:

Conditions of Approval Attached

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1301 W. Grand Avenue, Artesia, NM 88210

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102

Revised July 16, 2010

Submit one copy to appropriate

District Office

☐ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

¹ API Number 30-015-35342		² Pool Code 96333	³ Pool Name Sulphate Draw; Wolfcamp; JSW (Gas)
⁴ Property Code 305418	⁵ Property Name Winchester "5" State		⁶ Well Number 1
⁷ OGRID No. 258894	⁸ Operator Name Legend Natural Gas III, Limited Partnership		⁹ Elevation 3007

10 Surface Location

U/L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	5	25S	28E		1004	South	1986	West	Eddy

11 Bottom Hole Location If Different From Surface

U/L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	5	25S	28E		833.30	South	1172.61	West	Eddy

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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.

Surface Hole Location Lat - N32.09.16.61 Long - W104.06.43.07	17 OPERATOR CERTIFICATION <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 undivided 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> 09/01/2011 Signature Date R. Brock Hendrickson Printed Name bhendrickson@lna2.com E-mail Address
	18 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> Date of Survey Signature and Seal of Professional Surveyor Certificate Number