

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

MAR 09 2009

LM  
Form C-101  
June 16, 2001

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 Lime Rock Resources A, L.P. 1111 Bagby Street, Suite 4600 Houston, TX 77002		<sup>2</sup> OGRID Number 255333
		<sup>3</sup> API Number 30-015-36989
<sup>3</sup> Property Code 305465	<sup>5</sup> Property Name NW STATE	
<sup>9</sup> Proposed Pool 1 ARTESIA; QUEEN-GRAYBURG-SA (3230)		<sup>10</sup> Proposed Pool 2

**Surface Location**

UL or lot no K	Section 32	Township 17-S	Range 28-E	Lot Idn	Feet from the 1630	North/South line SOUTH	Feet from the 1710	East/West line WEST	County EDDY
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**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 N	<sup>12</sup> Well Type Code O	<sup>13</sup> Cable/Rotary ROTARY	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 3679'
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth 3,500'	<sup>18</sup> Formation SAN ANDRES	<sup>19</sup> Contractor UNITED DRILLING	<sup>20</sup> Spud Date 4-15-09

**Proposed Casing and Cement Program**

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4"	8 5/8"	24#	450'	350 sx CI C	Surface
7 7/8"	5 1/2"	14#	3,500'	400 Poz + 400 Lite	Surface

<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.

Drilling operations will utilize a closed loop mud system w/fresh water during surface hole and brine fluids after. BOP info attached. Plan to drill a 12-1/4" hole to approx. 450', then set and cement 8-5/8" casing to 450'. Class C cement will be circulated back to surface.

Drill 7 7/8" hole to TD of approx. 3500'. Run OH logs. Set 5 1/2" casing to TD and cement will be circulated back to surface. Perforate the San Andres interval. Stimulate as necessary for optimum production. Produce well by flowing or pumping.

H2S levels are not expected to high enough to require a H2S Contingency Plan

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

*George R. Smith*

Printed name  
George R. Smith

Title:  
POA Agent for Lime Rock Resources A, L.P.

E-mail Address.  
grsmith130@yahoo.com

Date:  
March 5, 2009

Phone:  
(575) 623-4940

OIL CONSERVATION DIVISION

Approved by:

*Jacqui Reene*

Title:

District II Geologist

Approval Date:

3/10/09

Expiration Date:

3/10/2011

Conditions of Approval Attached ☐

# State of New Mexico

## DISTRICT I

1426 N. FRENCH DR., HOHBS, NM 88240

Energy, Minerals and Natural Resources Department

Form C-102

## DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

## OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.  
Santa Fe, New Mexico 87505

Revised October 12, 2005  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

## DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

## DISTRICT IV

1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

## WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number <b>30-015-36989</b>	Pool Code <b>3230</b>	Pool Name <b>Artesia; Grayburg-Queen-SA</b>
Property Code <b>305465</b>	Property Name <b>N W STATE</b>	Well Number <b>30</b>
GRID No. <b>255333</b>	Operator Name <b>LIME ROCK RESOURCES A, L.P.</b>	Elevation <b>3679'</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>K</b>	<b>32</b>	<b>17-S</b>	<b>28-E</b>		<b>1630</b>	<b>SOUTH</b>	<b>1710</b>	<b>WEST</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
Dedicated Acres <b>40</b>	Joint or Infill	Consolidation Code	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

	<b>OPERATOR CERTIFICATION</b>  I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.  <i>George R. Smith</i> 11/5/09 Signature Date George R. Smith, agent Printed Name
	<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 Surveyed: 11/19/08 Signature & Seal of Professional Surveyor: <i>Gary G. Eidson</i> 11/19/08 Certificate No. GARY EIDSON 12641 RONALD J. EIDSON 3239

# **BOP DIAGRAM 3000# SYSTEM**

