

MAY - 1 2009

Form C-101

June 16, 2001

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 ResourcesOil 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 - 37058
<sup>3</sup> Property Code 305465	<sup>5</sup> Property Name NW STATE	<sup>6</sup> Well No. 32
<sup>9</sup> Proposed Pool 1 ARTESIA, QUEEN-GRAYBURG-SA (3230)		<sup>10</sup> Proposed Pool 2

<sup>7</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
M	32	17-S	28-E		330	SOUTH	330	WEST	EDDY

<sup>8</sup> 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

## 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 3666'
<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 7-15-09

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

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated IOC
12 1/4"	8 5/8"	24#	450'	350 sx Cl 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:

April 24, 2009

Phone

(575) 623-4940

## OIL CONSERVATION DIVISION

Approved by:

*Jacquie Reeves*  
Geologist

Title:

Approval Date:

5/4/2009

Expiration Date:

5/4/2011

Conditions of Approval Attached ☐

# State of New Mexico

## DISTRICT I

1625 N. FRENCH DR., HOBBES, NM 86240

Energy, Minerals and Natural Resources Department

## DISTRICT II

1901 W. GRAND AVENUE, ARTESIA, NM 88210

## DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

## DISTRICT IV

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

# OIL CONSERVATION DIVISION

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

Form C-102  
Revised October 12, 2005  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

## WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number <b>30-01537058</b>	Pool Code <b>3230</b>	Pool Name <b>Artesia; Queen-Grayburg-San Andres</b>
Property Code <b>305465</b>	Property Name <b>N W STATE</b>	Well Number <b>32</b>
OGRID No. <b>255333</b>	Operator Name <b>LIME ROCK RESOURCES A, L.P.</b>	Elevation <b>3683'</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
M	32	17-S	28-E		330	SOUTH	330	WEST	EDDY

### 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.
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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

	<p>GEODETIC COORDINATES NAD 27 NME</p> <p>Y=649079.2 N X=539558.7 E</p> <p>LAT.=32.784344° N LONG.=104.204615° W</p>		<h3>OPERATOR CERTIFICATION</h3> <p>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.</p> <p><i>George R. Smith</i> 1/24/09 Signature Date</p> <p>George R. Smith, POA agent Printed Name</p>
	<h3>SURVEYOR CERTIFICATION</h3> <p>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.</p> <p><i>Ronald J. Eidson</i> 02/27/09 Date Surveyed Signature &amp; Seal of Professional Surveyor</p> <p>RONALD J. EIDSON LA 09015023</p>		<p>Certificate No. GARY EIDSON 12641 RONALD J. EIDSON 3239</p>

**BOP DIAGRAM  
3000# SYSTEM**