

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

AUG 14 2008  
OCD-ARTESIA  
Form C-101  
June 16, 2008  
Submit to appropriate District Office

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

☐ 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> Property Code 305445		<sup>4</sup> Property Name MARATHON 26 STATE
<sup>5</sup> Proposed Pool 1 Red Lake, GL-YE (51300)		<sup>6</sup> Well No. 20
<sup>7</sup> Surface Location		<sup>8</sup> Proposed Pool 2

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	26	17-S	28-E		2310	NORTH	990	EAST	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 3,666'
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth 4,000'	<sup>18</sup> Formation YESO	<sup>19</sup> Contractor United Drilling	<sup>20</sup> Spud Date 8-15-08

<sup>21</sup> 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#	420'	350 sx C/C	Surface
7 7/8	5 1/2	14#	4,000'	350 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. 420', then set & cement 8-5/8" surface casing to 420'. Class C cement will be circulated to the surface.

Drill a 7-7/8" hole to TD of approx. 4,000'. Run OH logs. Set & cement 5-1/2" casing to TD. Cement will be circulated back to surface.

Perforate the Yeso interval. Stimulate as necessary for optimum production. Produce well by flowing or pumping.

Anticipated H2S levels are not expected to be 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:

*Harold D. Smith*

P:

before starting drilling operations.

T:

A form C-144 must be approved

E:

19-15-17 NMAC PART 17

NOTE: NEW PIT RULE

Date: 8/15/08

Phone: 575-623-4940

OIL CONSERVATION DIVISION

Approved by:

*Jim W. Green*

Title:

*District II Supervisor*

Approval Date:

*8/22/08*

Expiration Date:

*8/22/10*

Conditions of Approval Attached ☐

## DISTRICT I

1825 N FRENCH DR., HOBBS, NM 88240

## DISTRICT II

1301 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

## State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

## OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.

Santa Fe, New Mexico 87505

## WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code 51300	Pool Name Red Lake; Queen, Grayburg, San Andres
Property Code	Property Name MARATHON 26 STATE	Well Number 20
OGRID No.	Operator Name LIME ROCK RESOURCES A, L.P.	Elevation 3666'

## Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	26	17-S	28-E		2310	NORTH	990	EAST	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	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. Signature: <u>C. J. Miller</u> Date: <u>7/11/08</u> Printed Name: <u>C. Tim Miller, VP-Operations</u>
	<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: <u>JUNE 23, 2008</u> AR Signature & Seal of Professional Surveyor: <u>Ronald J. Eidson</u> 12641 Certificate No. GARY EIDSON 12641 RONALD J. EIDSON 3239

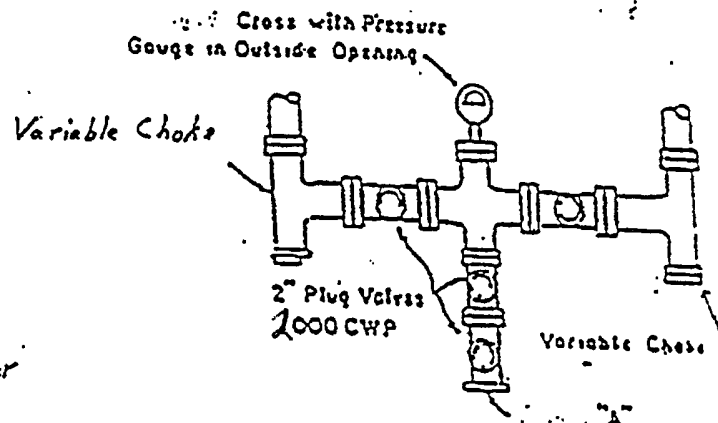


Exhibit #.