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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

30-015-36422

Form C-101

May 27, 2004

Submit to appropriate District Office

☐ AMENDED REPORT

JUL - 9 2008

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

OCD-ARTESIA

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

¹ Operator Name and Address Lime Rock Resources A, L.P. 1111 Bagby St, Suite 4600 Houston, TX 77002		² OGRID Number 255333
³ Property Code 305464	⁴ Property Name Marathon 25 State	⁵ ADI Number 30 - 015 - 36422
⁶ Well No. 27		⁷ Proposed Pool 1 Red Lake, ON-GB-SA
⁸ Proposed Pool 2		

7 Surface Location

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	25	17S	28E		990	North	990	East	Eddy

8 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

¹¹ Work Type Code N	¹² Well Type Code O	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3677'
¹⁶ Multiple N	¹⁷ Proposed Depth 3500	¹⁸ Formation GB-SA	¹⁹ Contractor	²⁰ Spud Date 8/1/08
Depth to Groundwater >100'		Distance from nearest fresh water well >1000'		Distance from nearest surface water >1000'
Pit: Liner Synthetic X 12 mils thick Clay <input type="checkbox"/> Pit Volume: 8000 bbls Drilling Method: Fresh Water <input type="checkbox"/> Brine <input checked="" type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				
Closed-Loop System <input type="checkbox"/>				

21 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#	400'	300	Surf
7-7/8"	5-1/2"	14# - 15.5#	3500'	575	Surf

²² 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.

Plan to drill a 12-1/4" hole to appx 400' & set 8-5/8" surf csg to 400'. Circ CI C cmt. Drill 7-7/8" hole to TD (3500'). Run OH logs. Run 5-1/2" csg & circ 50/50 POZ CI C cmt. Perf the GB-SA zone & stimulate as necessary for optimum production. BOP attached.

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

NOTE: NEW PIT RULE
19-15-17 NMAC PART 17

²³ I hereby of my knowledge construct (attached, _____) to the best of my knowledge, or an

Printed name: Bonnie Atwater

Title: Agent

E-mail Address: batwater@sdsresources.com

Date: 7/7/08

Phone: 432/685-1761

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

Conditions of Approval Attached ☐

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-36422	2 Pool Code 51300	3 Pool Name Red Lake, QN-GB-SA
4 Property Code 305464	5 Property Name MARATHON 25 STATE	
6 Well Number 27	8 Operator Name LIME ROCK RESOURCES A, L.P.	
7 OGRID No. 255333	9 Elevation 3677	

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn.	Feet from the	North/South line	Feet from the	East/West line	County
A	25	17-S	28-E		990	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

12 Dedicated Acres 40	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.

	17 OPERATORS 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 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 mineral or working interest, or to voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.
	Signature: <u>Bonnie Atwater</u> / 7/08 Date
	Printed Name: <u>Bonnie Atwater</u>
	18 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 of Survey: <u>MAY 11, 2004</u>
	Signature and Seal of Professional Surveyor:
	Certificate Number: <u>DAN R. REDDY NM P.E. & S. #5412</u>

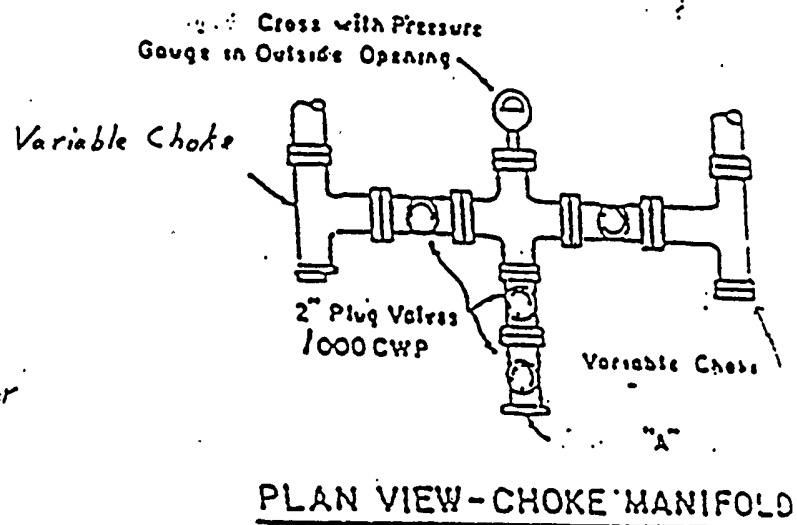


Exhibit #.