

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

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 St., Suite 4600 Houston, TX 77002		<sup>2</sup> OGRID Number 255333
		<sup>3</sup> API Number 30 - 015-38359
<sup>3</sup> Property Code 306812	<sup>5</sup> Property Name Aid 24 State	
<sup>9</sup> Proposed Pool 1 ✓ Empire: Glorieta-Yeso (96210)		<sup>10</sup> Proposed Pool 2

**Surface Location**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	24	17S	28E		330	South	2165	East	Eddy

**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 R	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 3677'
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth 5,500'	<sup>18</sup> Formation Glorieta-Yeso	<sup>19</sup> Contractor United	<sup>20</sup> Spud Date 1/15/11

**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#	350'	350 sx "C" + add.	Surface
7 7/8"	5 1/2"	17#	5,500'	550 sx 35/65 Poz/C	Lead
				600 sx C	Tail to 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.  
Lime Rock Resources A, L.P. proposes to drill/test the Empire formation. Approximately 350 feet will be drilled with fresh water, then set and cement 8 5/8" surface casing to 350 feet.  
Drill 7 7/8" hole to T.D. at approx. 5,500'. Run O/H logs. Set 5 1/2" casing to T.D. and cement will be circulated back to surface.  
Will perforate the Empire formation and stimulate, as necessary, for optimum production. Produce well by flowing or pumping  
H2S levels are not expected to be high enough to require an H2S contingency program.

See exhibit "A" for BOP.

**RECEIVED**  
DEC 02 2010  
NMOCD ARTESIA

<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  
gr.smith1@hotmail.com

Date:  
11/29/10

Phone:  
575-623-4940

**OIL CONSERVATION DIVISION**

Approved by:

*Acqui Reed*  
*Geologist*

Title:

Approval Date:

12/10/2010

Expiration Date:

12/10/2012

Conditions of Approval Attached ☐

DISTRICT I  
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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

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>30-015-38359</b>	Pool Code <b>96210</b>	Pool Name <b>Empire; Glorieta-Yeso</b>
Property Code <b>306812</b>	Property Name <b>AID 24 STATE</b>	Well Number <b>15</b>
OGRID No. <b>255333</b>	Operator Name <b>LIMEROCK RESOURCES A, L.P.</b>	Elevation <b>3677'</b>

Surface Location

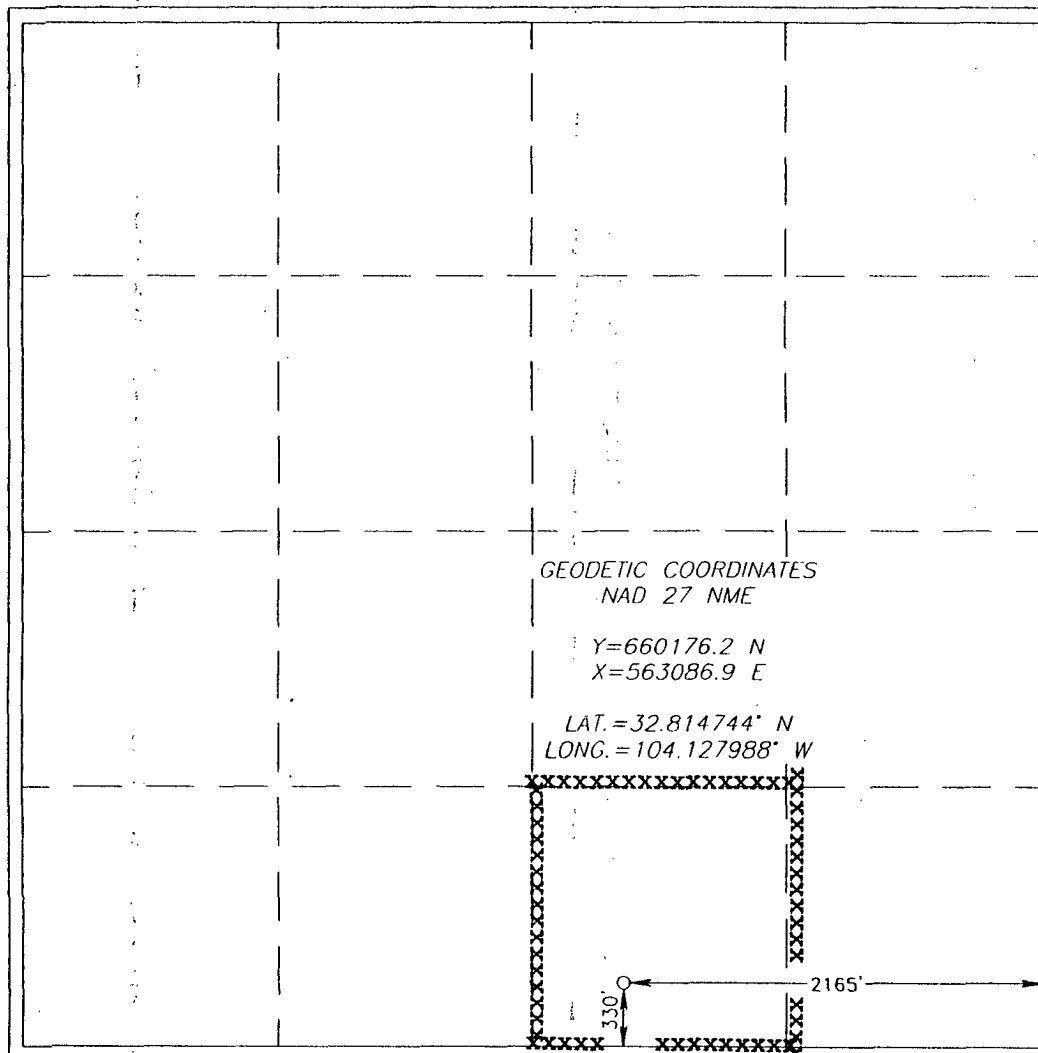
UL or lot No. <b>0</b>	Section <b>24</b>	Township <b>17-S</b>	Range <b>28-E</b>	Lot Idn <b>;</b>	Feet from the <b>330</b>	North/South line <b>SOUTH</b>	Feet from the <b>2165</b>	East/West line <b>EAST</b>	County <b>EDDY</b>
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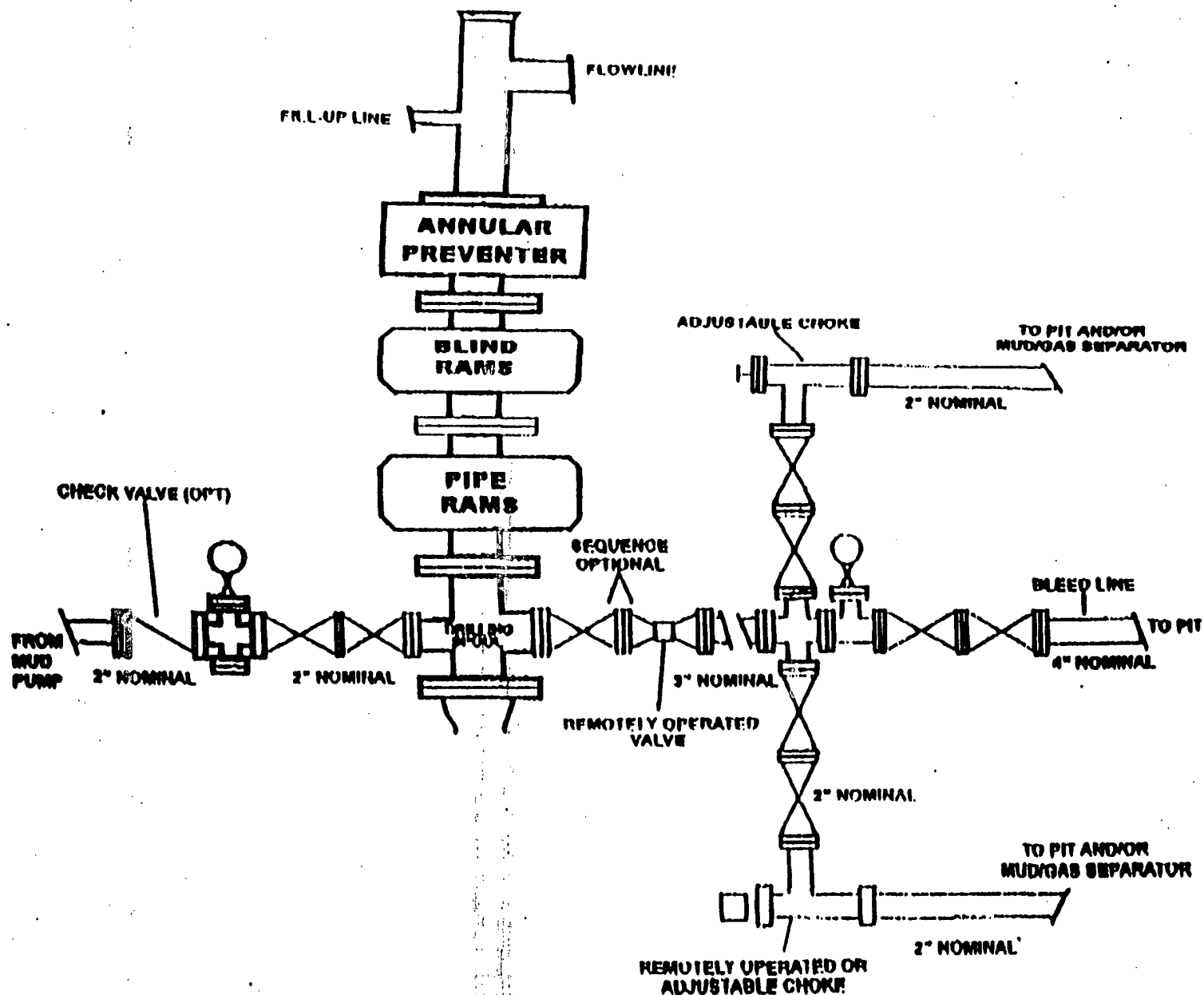
Bottom Hole Location If Different From Surface

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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Dedicated Acres	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>OPERATOR CERTIFICATION</p> <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> 11/30/10 Signature Date George R. Smith, agent Printed Name</p>
	<p>SURVEYOR CERTIFICATION</p> <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>NOVEMBER 11 2010 Date Surveyed Signature &amp; Seal of Professional Surveyor <i>Ronald J. Eidson</i> 11/11/2010 Professional Surveyor Certificate No. 3229 RONALD J. EIDSON 12641 3239</p>

**BOP DIAGRAM  
3000# SYSTEM**

EXHIBT "A"  
Lime Rock Resources A, LP  
Aid 24 State, Well No. 15  
BOP Specifications