

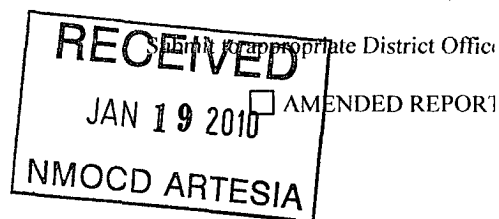
KM

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 Resources

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



**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN,
PLUGBACK, 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 306812	⁵ Property Name Ad 24 State	³ API Number 30-15-37560
⁹ Proposed Pool 1 Empire; Glorieta-Yeso (96210) ✓		⁶ Well No. 8
¹⁰ 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
K	24	17S	28E		2310	South	2210	West	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
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Additional Well Information

¹¹ Work Type Code N	¹² Well Type Code O	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3697'
¹⁶ Multiple N	¹⁷ Proposed Depth 5,500'	¹⁸ Formation Glorieta-Yeso	¹⁹ Contractor United	²⁰ Spud Date 2/22/10

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#	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

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.
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

²³ 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:
1/15/10

Phone
575-623-4940

OIL CONSERVATION DIVISION

Approved by:

George R. Smith
Geologist

Title:

Approval Date:

2/8/2010

Expiration Date:

2/8/2012

Conditions of Approval Attached ☐

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240

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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 30-015-37560	Pool Code 96210	Pool Name Empire;Glorieta-Yeso
Property Code 306812	Property Name AID 24 STATE	Well Number 8
OGRID No. 255333	Operator Name LIME ROCK RESOURCES A, L.P.	Elevation 3697'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	24	17-S	28-E		2310	SOUTH	2210	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 40		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

<p>GEODETIC COORDINATES NAD 27 NME</p> <p>Y=662145.9 N X=562256.3 E</p> <p>LAT.=32.820162° N LONG.=104.130679° W</p> <p>2210'</p> <p>2310'</p>	<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> 1/15/10 Signature Date George R. Smith POA 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>RONALD J. EIDSON DECEMBER 15 2009 Date Surveyed Signature & Seal of Professional Surveyor 3239 RONALD J. EIDSON 12-22-09 Certificate No. GARY EIDSON 12641 RONALD J. EIDSON 3239</p>
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BOP DIAGRAM 3000# SYSTEM

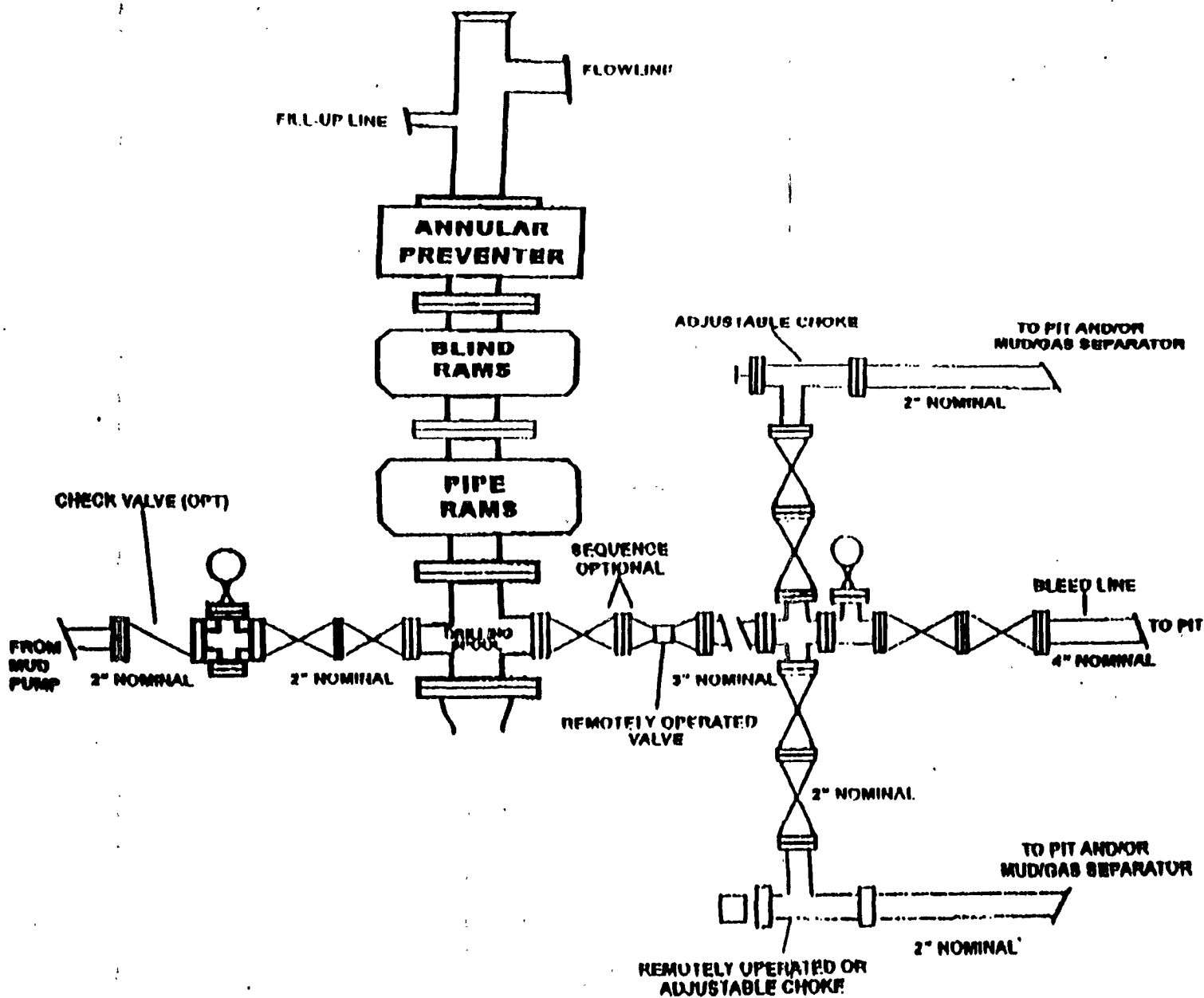


EXHIBIT "A"
LIME ROCK RESOURCES A, L.P.
Aid 24 State, Well No. 8
BOP Specifications