

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

AUG 19 2008

Form C-101

June 16, 2008

OCDARTESIA

Submit to appropriate District Office

☐ AMENDED REPORTAPPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A
ZONE

Operator Name and Address Lime Rock Resources A, L.P. 1111 Bagby Street, Suite 4600 Houston, TX 77002		OGRID Number 255333
Property Code 305465		API Number 30 - 015 - 36554
Property Name NW STATE		Well No 29
Proposed Pool 1 ARTESIA, GL-YE (3230)		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
L	32	17-S	28-E		1770	SOUTH	550	WEST	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

Work Type Code N	Well Type Code O	Cable/Rotary ROTARY	Lease Type Code S	Ground Level Elevation 3,684'
Multiple N	Proposed Depth 3,500'	Formation YESO	Contractor United Drilling	Spud Date 8-15-08

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#	500'	350 sx Cl C	Surface
7 7/8	5 1/2	14#	3,500'	350 Poz + 400 Lite	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.

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. 500', then set & cement 8-5/8" surface casing to 500'. Class C cement will be circulated to the surface.

Drill a 7-7/8" hole to TD of approx. 3,500'. 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.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief

Signature.

Georgi R Smith

OIL CONSERVATION DIVISION

Approved by

Jim W. Green
District II Supervisor

Title:

NOTE: NEW PIT RULE

19-15-17 NMAC PART 17

A form C-144 must be approved before starting drilling operations.

Lime Rock Resources A, L.P.

Approval Date.

8/22/08

Expiration Date.

8/22/10

Date. 8/14/08

Phone

(575) 623-4940

Conditions of Approval Attached ☐

State of New Mexico

DISTRICT I

1025 N. FRENCH DR., HOBBS, NM 88240

Energy, Minerals and Natural Resources Department

Form C-102

DISTRICT II

1301 W GRAND AVENUE, ARTESIA, NM 88210

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505Revised October 12, 2005
Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number		Pool Code	Pool Name
		3230	Artesia; Queen-Grayburg-San Andres
Property Code	Property Name		Well Number
305465	NW STATE		29
OGRID No.	Operator Name		Elevation
255333	LIME ROCK RESOURCES A, L.P.		3684'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	32	17-S	28-E		1770	SOUTH	550	WEST	EDDY

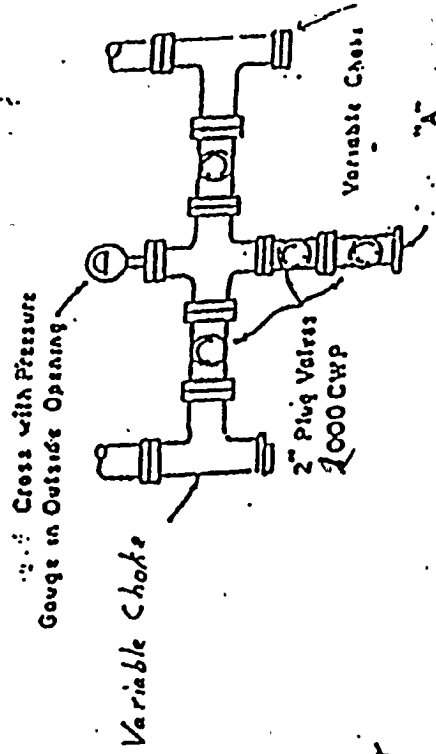
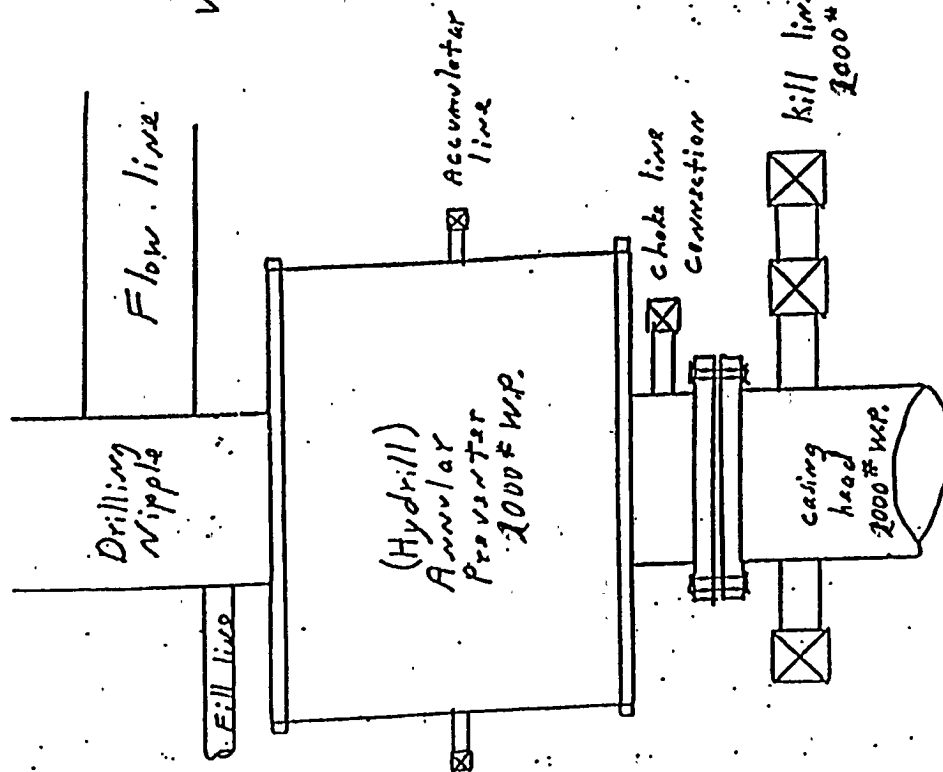
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40			

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>550'</p> <p>1770'</p>	<p>GEODETIC COORDINATES NAD 27 NME</p> <p>Y=650523.1 N X=539756.2 E</p> <p>LAT.=32.788312° N LONG.=104.203966° W</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>C. L. Milka</i> 7/11/08 Signature Date</p> <p><i>C. Tim Milka, VP-Operations</i> 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>Date Surveyed: 7/11/08</p> <p>Signature: <i>Gary Eidson</i></p> <p>Professional Seal of Surveyor 12641</p>	
	<p>Certificate No. GARY EIDSON 12641 RONALD J. EIDSON 3239</p>	



PLAN VIEW - CHOKE MANIFOLD

Exhibit #1