

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, 2008

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**

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 305446	⁵ Property Name Resler State	⁴ Well No. 4
⁹ Proposed Pool 1 Red Lake; Queen, Grayburg-SA (51300)		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
1	25	17-S	27-E		2230	South	550	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 R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3560'
¹⁶ Multiple	¹⁷ Proposed Depth 3900'	¹⁸ Formation	¹⁹ Contractor UNITED DRILLING	²⁰ Spud Date 4/19/11

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#	450'	350 sx "C" + add	Surface
7 7/8"	5 1/2"	14#	3,900'	375 Poz + 375 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.

Lime Rock Resources A. L.P. proposes to drill/test the Yeso formation. Approximately 450' will be drilled with fresh water, then set and cement the 8 5/8" surface casing to 450'.

Drill 7 7/8" hole to T.D. at approximately 3900'. Run O/H logs. Set 5 1/2" casing to T. D. and cement will be circulated back to surface. Will perforate the Yeso 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 and H2S program.

See Exhibit for BOP.

RECEIVED

FEB 14 2011

NMOCD ARTESIA

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

Signature:

Printed name:
George R. Smith

Title
POA agent for Lime Rock Resources A. L.P.:

E-mail Address:
Gr.smith1@hotmail.com

Date:
February 9, 2011

Phone
575-623-4940

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

Conditions of Approval Attached ☐

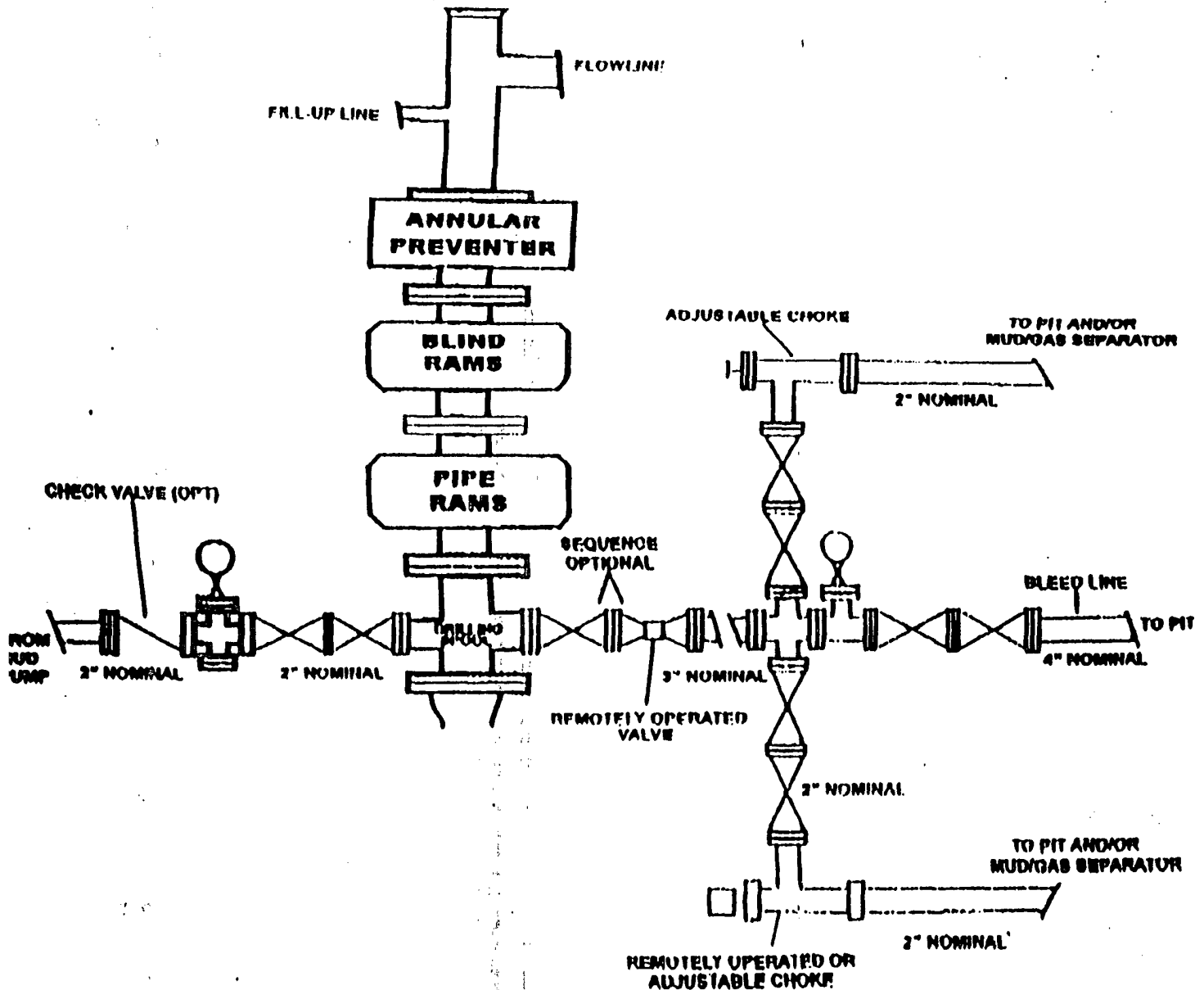
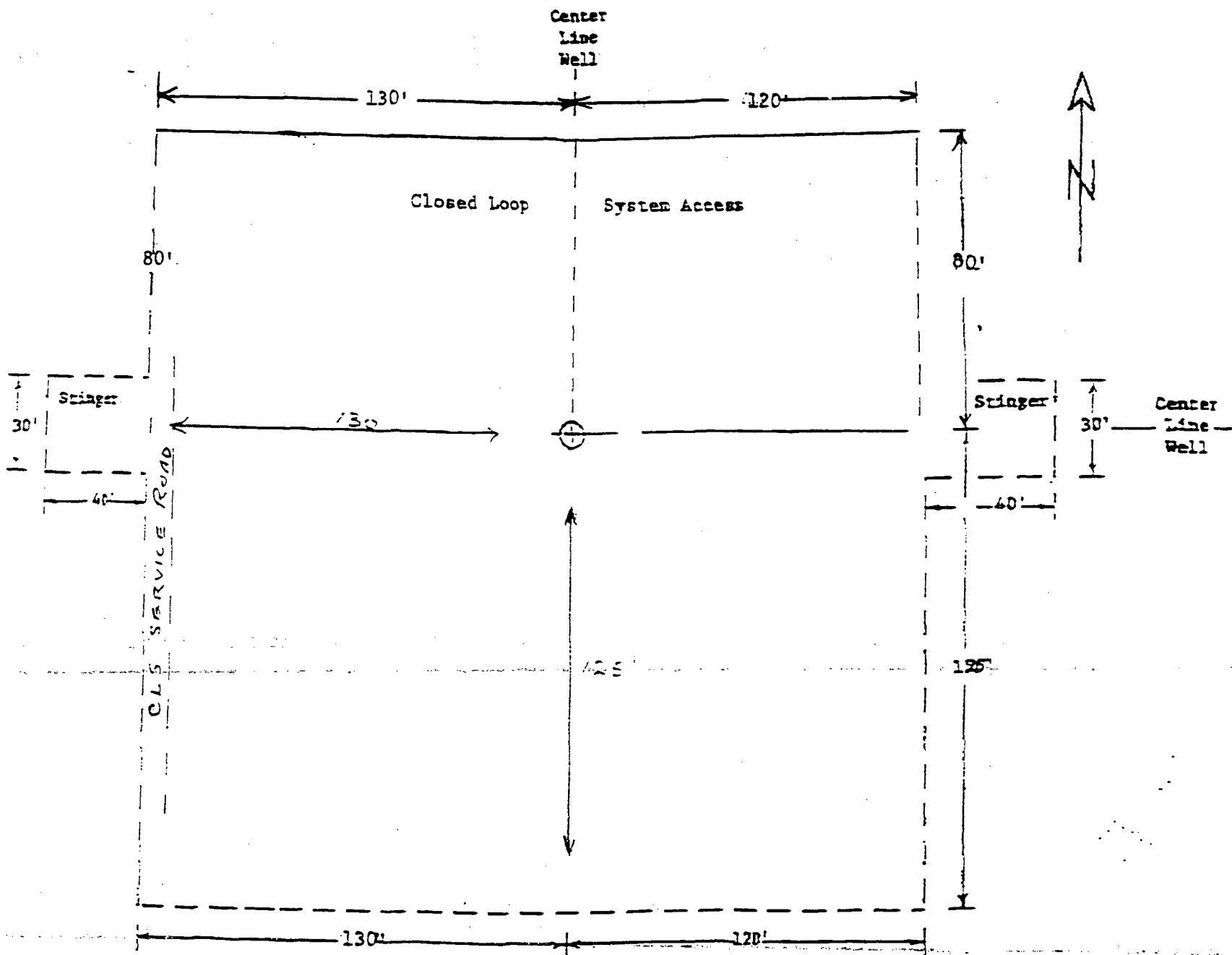
**BOP DIAGRAM
3000# SYSTEM**

EXHIBIT "A"
LINE ROCK RESOURCES A, L.P.
BOP Specifications



UNITED DRILLING, INC.

LOCATION PLAT

RIG