

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**

¹ Operator Name and Address Lime Rock Resources A, L.P. 1111 Bagby St. Suite 4600 Houston, TX 77002		² OGRID Number 255333
		³ API Number 30-015-38510
³ Property Code 305450	⁵ Property Name Welch RL STATE	⁶ Well No. 8
⁹ Proposed Pool 1 Artesia; Glorieta-Yeso (96830)		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
D	28	17-S	28-E		660	North	330	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

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 3604'
¹⁶ Multiple N	¹⁷ Proposed Depth 3,700'	¹⁸ Formation Yeso	¹⁹ Contractor United Drilling	²⁰ Spud Date 5/4/11

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#	350'	300 sx "C"+ add	Surface
7 7/8"	5 1/2"	14#	3,700'	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.

Lime Rock Resources A, L.P. proposes to drill/test the Yeso formation. Approximately 350' will be drilled with fresh water, then set and cement 8 5/8" surface casing. to 350'.

Drill 7 7/8" hole to T.D. at approx. 3,700'. Run OH 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 an H2 S program.

See Exhibit "A" 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:

George R. Smith

Printed name:
George R. Smith

Title
Agent for Lime Rock Resources A, L.P.:

E-mail Address
gr.smith130@yahoo.com

Date:
2/10/11

Phone
575-623-4940

OIL CONSERVATION DIVISION

Approved by:

Heidi Roever

Title:

Goulden

Approval Date:

3/2/2011

Expiration Date:

3/2/2013

Conditions of Approval Attached ☐

no

BOP DIAGRAM 3000# SYSTEM

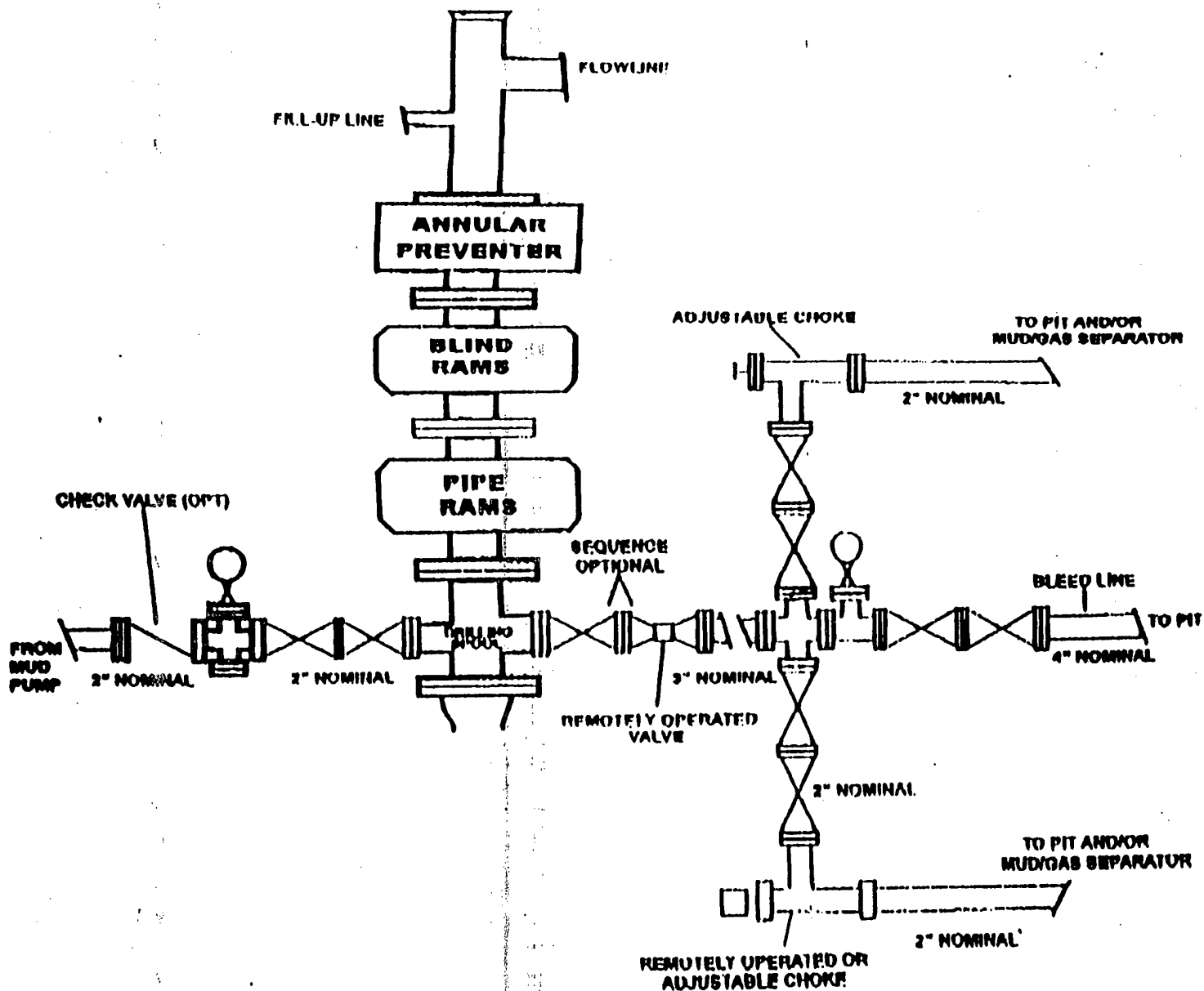
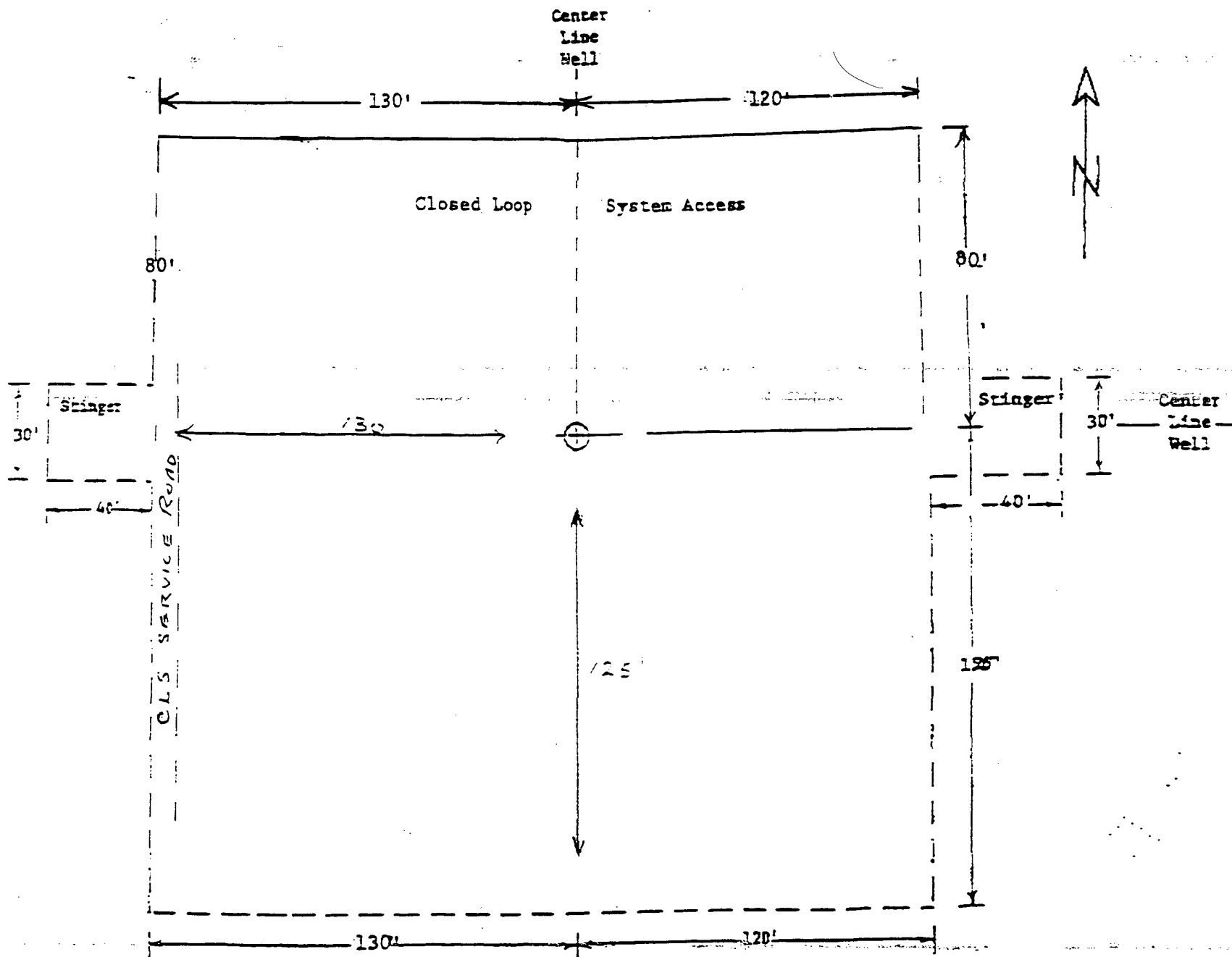


EXHIBIT "A"
LIME ROCK RESOURCES A, L.P.
BOP Specifications



UNITED DRILLING, INC.

LOCATION PLAT

RIG