

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

SEP 24 2009

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. 111 Bagby St. Suite 4600 Houston, TX 77002		<sup>2</sup> OGRID Number 255333
		<sup>3</sup> API Number 30-016-37372
<sup>3</sup> Property Code 306149	<sup>4</sup> Property Name No Bluff 36 State Com	<sup>6</sup> Well No. 8
<sup>9</sup> Proposed Pool 1 Red Lake; Glorieta-Yeso NE (96836) ✓		<sup>10</sup> Proposed Pool 2

<sup>7</sup> Surface Location

UL or lot no D	Section 36	Township 17S	Range 27E	Lot Idn	Feet from the 600	North/South line North	Feet from the 330	East/West line West	County Eddy ✓
-------------------	---------------	-----------------	--------------	---------	----------------------	---------------------------	----------------------	------------------------	------------------

<sup>8</sup> 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 3577'
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth 4,800'	<sup>18</sup> Formation Yeso	<sup>19</sup> Contractor United	<sup>20</sup> Spud Date 10/15/09

<sup>21</sup> 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#	400'	350 sx "C" + add.	Surface
7 7/8"	5 1/2"	14#	4800'	450 sx Lite+450sx Poz	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 Yeso formation. Approximately 400 feet will be drilled with fresh water, then set and cement 8 5/8" surface casing to 400 feet.  
Drill 7 7/8" hole to T.D. at approx. 4,800'. 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 an H2S program.

See exhibit "A" for BOP.

<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.smith130@yahoo.com

Date:  
09/22/09

Phone:  
575-623-4940

OIL CONSERVATION DIVISION

Approved by:

*Jaqueline D.*  
Geologist

Title:

Approval Date:

11/3/2009

Expiration Date:

11/3/2011

Conditions of Approval Attached ☐

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

State of New Mexico  
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 87505

Revised 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 <b>30015</b>	Pool Code 96836	Pool Name Red Lake; Glorieta-Yeso NE ✓
Property Code 306149	Property Name NO BLUFF 36 STATE COM	Well Number 8
OGRID No. 255333	Operator Name LIME ROCK RESOURCES A, L.P.	Elevation 3577'

Surface Location

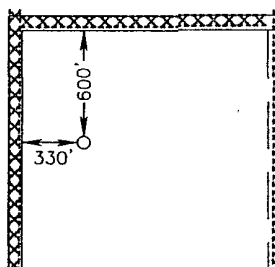
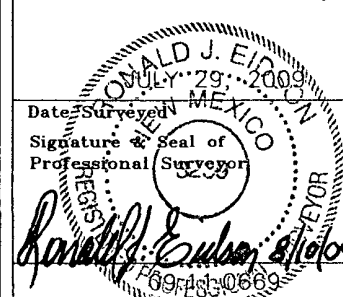
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	36	17-S	27-E		600	NORTH	330	WEST	EDDY

Bottom Hole Location If Different From Surface

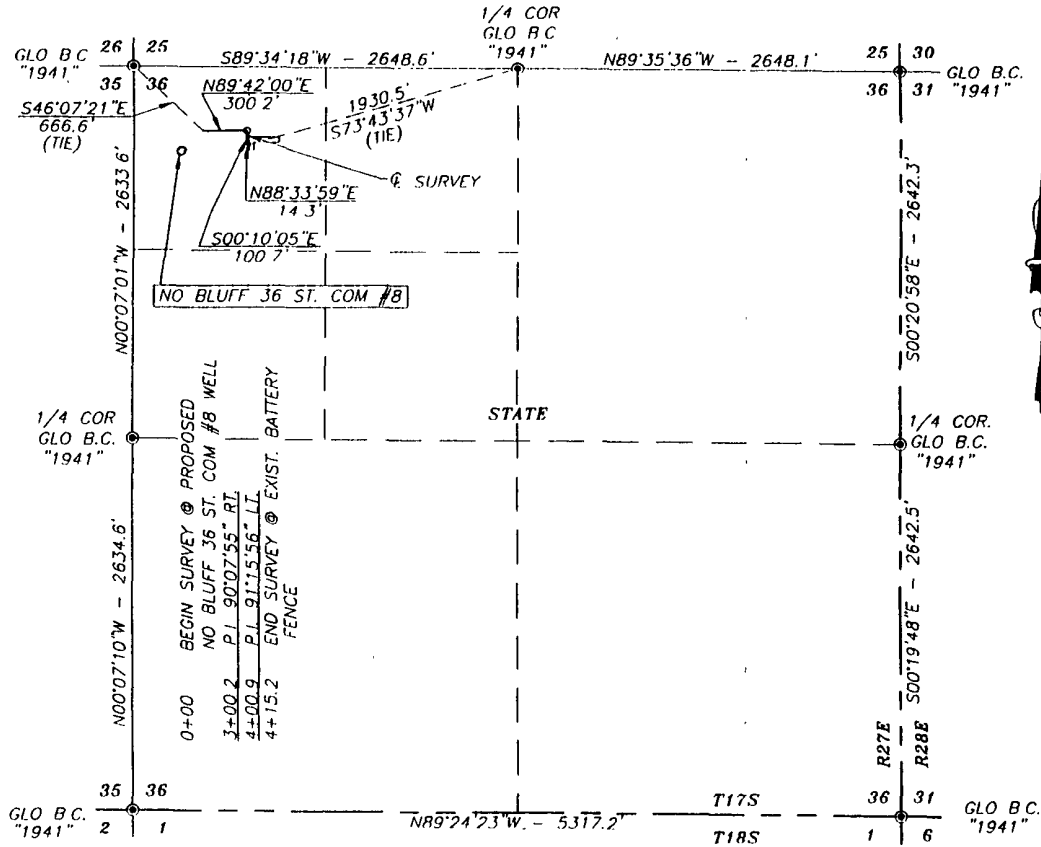
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

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>GEODETIC COORDINATES NAD 27 NME Y=653356.7 N X=528915.3 E LAT.=32.796132° N LONG.=104.239234° W</p>	<p><b>OPERATOR CERTIFICATION</b></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> 9/24/09 Signature Date George R. Smith, agent Printed Name</p> <p><b>SURVEYOR CERTIFICATION</b></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 Signature &amp; Seal of Professional Surveyor Certificate No. GARY EIDSON 12641 RONALD J. EIDSON 3239</p>
---	---

SECTION 36, TOWNSHIP 17 SOUTH, RANGE 27 EAST, N.M.P.M.,  
EDDY COUNTY, NEW MEXICO.



DESCRIPTION

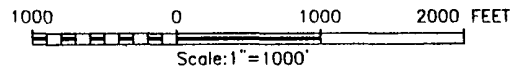
A STRIP OF LAND 30.0 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTION 36, TOWNSHIP 17 SOUTH, RANGE 27 EAST, NMPM, EDDY COUNTY, NEW MEXICO AND BEING 150 FEET RIGHT AND 150 FEET LEFT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY.

BEGINNING AT A POINT IN THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION, WHICH LIES S46°07'21"E 666.6 FEET FROM THE NORTHWEST CORNER OF SAID SECTION; THEN N89°42'00"E 300.2 FEET, THEN S00°10'05"E 100.7 FEET; THEN N88°33'59"E 14.3 FEET TO A POINT IN THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION, WHICH LIES S73°43'37"W 1930.5 FEET FROM THE NORTH QUARTER CORNER OF SAID SECTION.

SAID STRIP OF LAND BEING 415.2 FEET OR 25.16 RODS IN LENGTH, CONTAINING 0.286 ACRES MORE OR LESS AND BEING LOCATED ENTIRELY IN THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER.

NOTE: BEARINGS SHOWN HEREON ARE  
MERCATOR GRID AND CONFORM TO THE  
NEW MEXICO COORDINATE SYSTEM  
"NEW MEXICO EAST ZONE" NORTH  
AMERICAN DATUM 1983. DISTANCES  
ARE SURFACE VALUES

I HEREBY CERTIFY THAT I DIRECTED AND AM  
RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS  
TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE  
AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET  
THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO



*Ronald J. Eidson* 8/10/09  
RONALD J. EIDSON, N.M. P.S. No. 3239  
GARY G. EIDSON, N.M. P.S. No. 12641

PROVIDING SURVEYING SERVICES  
SINCE 1946  
**JOHN WEST SURVEYING COMPANY**  
412 N. DAL PASO  
HOBBS, N.M. 88240  
(575) 393-3117

LIME ROCK RESOURCES A, L.P.

SURVEY OF A PIPELINE CROSSING  
SECTION 36, TOWNSHIP 17 SOUTH, RANGE 27 EAST,  
N.M.P.M., EDDY COUNTY, NEW MEXICO

Survey Date: 7/29/09	Sheet 1 of 1 Sheets
W.O. Number: 09.11.0669	Drawn By: LA
Date: 8/5/09	09110669

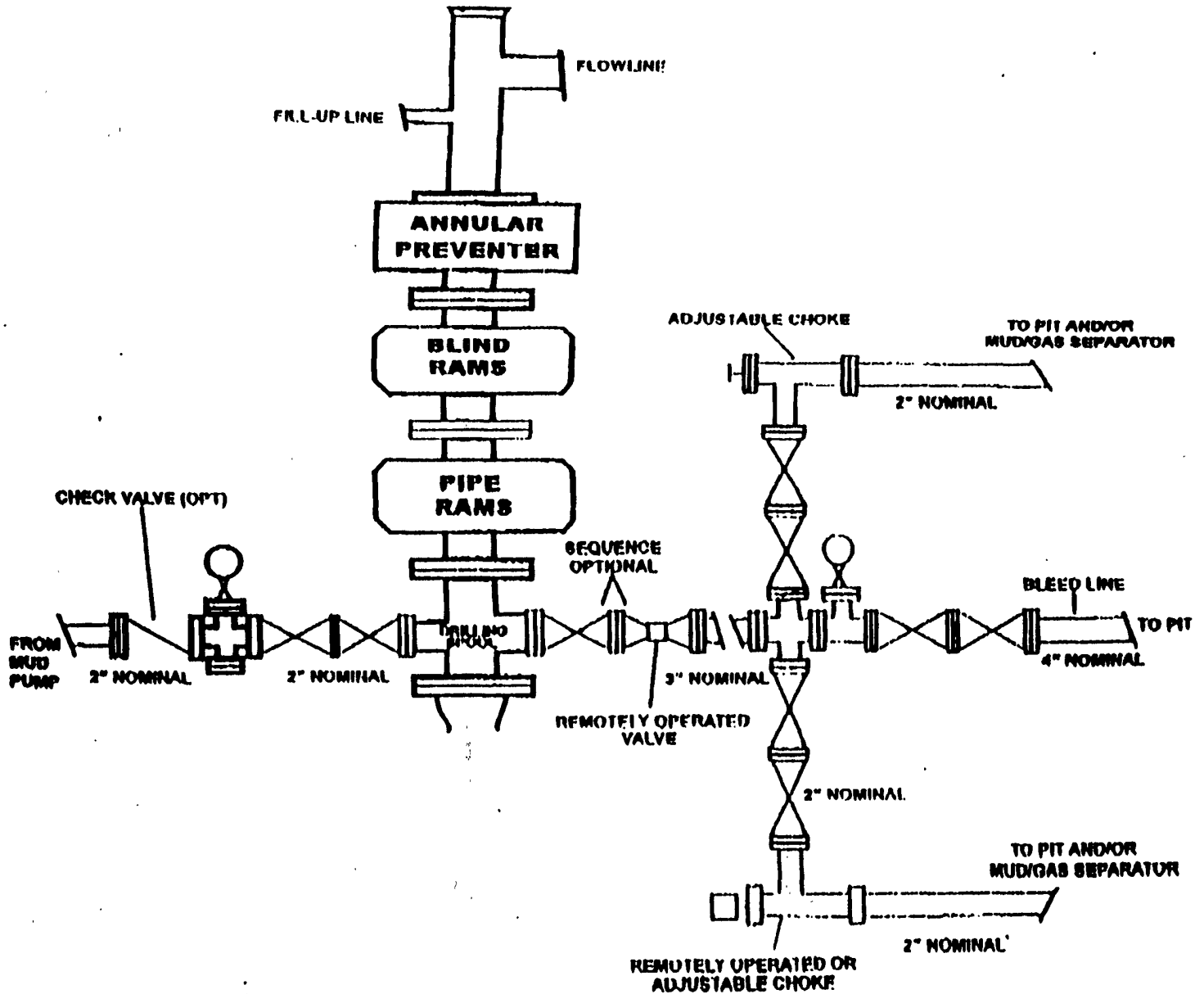
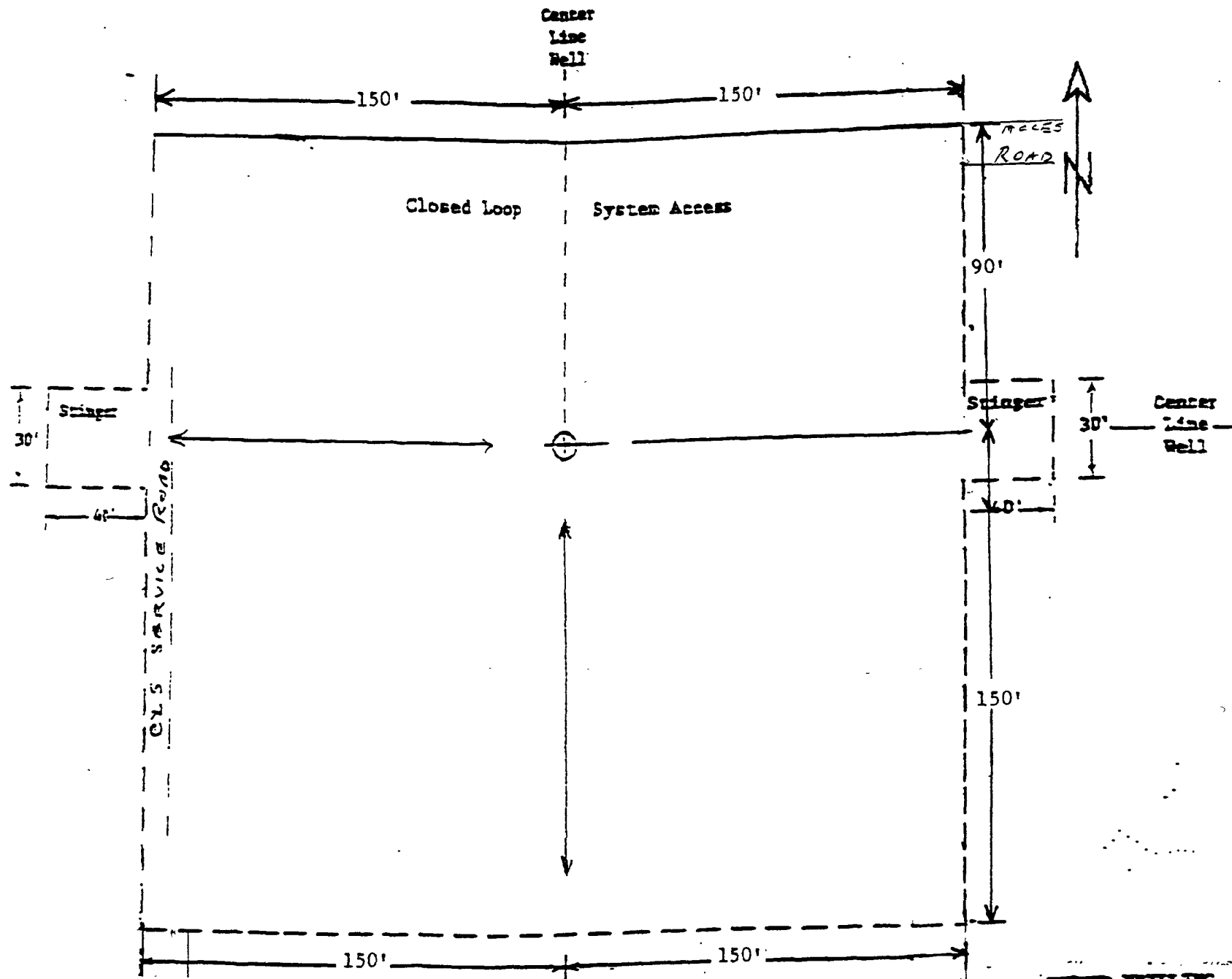
**BOP DIAGRAM  
3000# SYSTEM**

EXHIBIT "A"  
Lime Rock Resources A, L.P.



UNITED DRILLING, INC.

LOCATION PLAT

RTG