

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**

| | | |
|---|---|---|
| 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 30-015-37328 |
| ³ Property Code 305464 | ⁵ Property Name Marathon 25 State | ⁶ Well No 29 |
| ⁹ Proposed Pool 1 Red Lake; Glorieta Grayburg-SA | | 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 |
|--------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| C | 25 | 17-S | 28-E | | 450 | North | 2285 | 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 | ¹¹ Cable/Rotary Rotary | ¹¹ Lease Type Code S | ¹⁵ Ground Level Elevation 3686' |
| ¹⁶ Multiple N | ¹⁷ Proposed Depth 3,600' | ¹⁸ Formation San Andres | ¹⁹ Contractor United Drilling | ²⁰ Spud Date 10/01/09 |

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# | 420' | 350 sx "C"+ add | Surface |
| 7 7/8" | 5 1/2" | 14# | 3,600' | 350 Poz + 350 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 San Andres formation. Approximately 420' will be drilled with fresh water, then set and cement 8 5/8" surface casing. to 420'.

Drill 7 7/8" hole to T.D. at approx. 3,600'. Run OH logs. Set 5 1/2" casing to T.D. and cement will be circulated back to surface.

Will perforate the San Andres 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.

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:

9/22/09

Phone

575-623-4940

OIL CONSERVATION DIVISION

Approved by:

Jacqui Reers
Geologist

Title:

Approval Date:

10/20/09

Expiration Date:

10/20/2011

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

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

1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

| | | |
|-----------------------------------|---|---|
| API Number 30-015-37328 | Pool Code 51300 | Pool Name Red Lake; Queen-Grayburg-SA |
| Property Code 305464 | Property Name MARATHON 25 STATE | Well Number 29 |
| GRID No. 255333 | Operator Name LIME ROCK RESOURCES A, L.P. | Elevation 3686' |

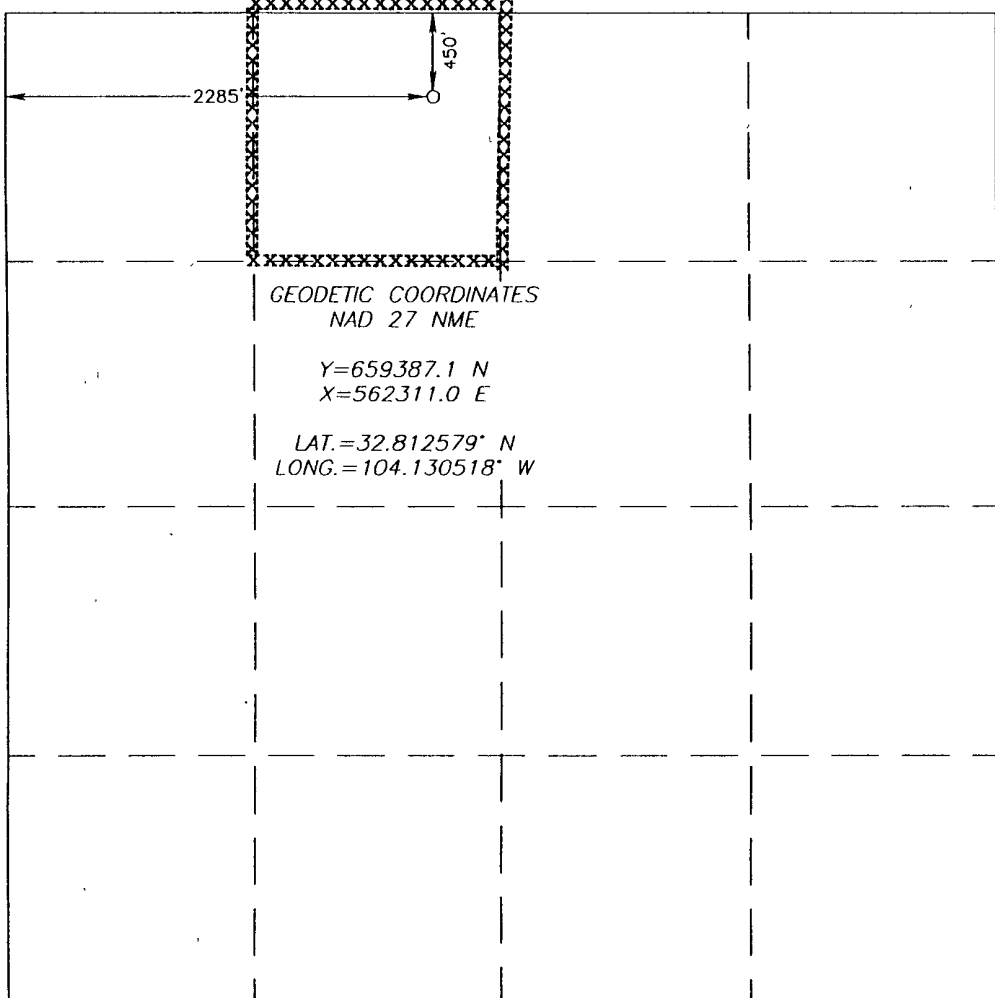
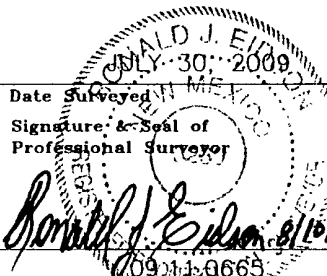
Surface Location

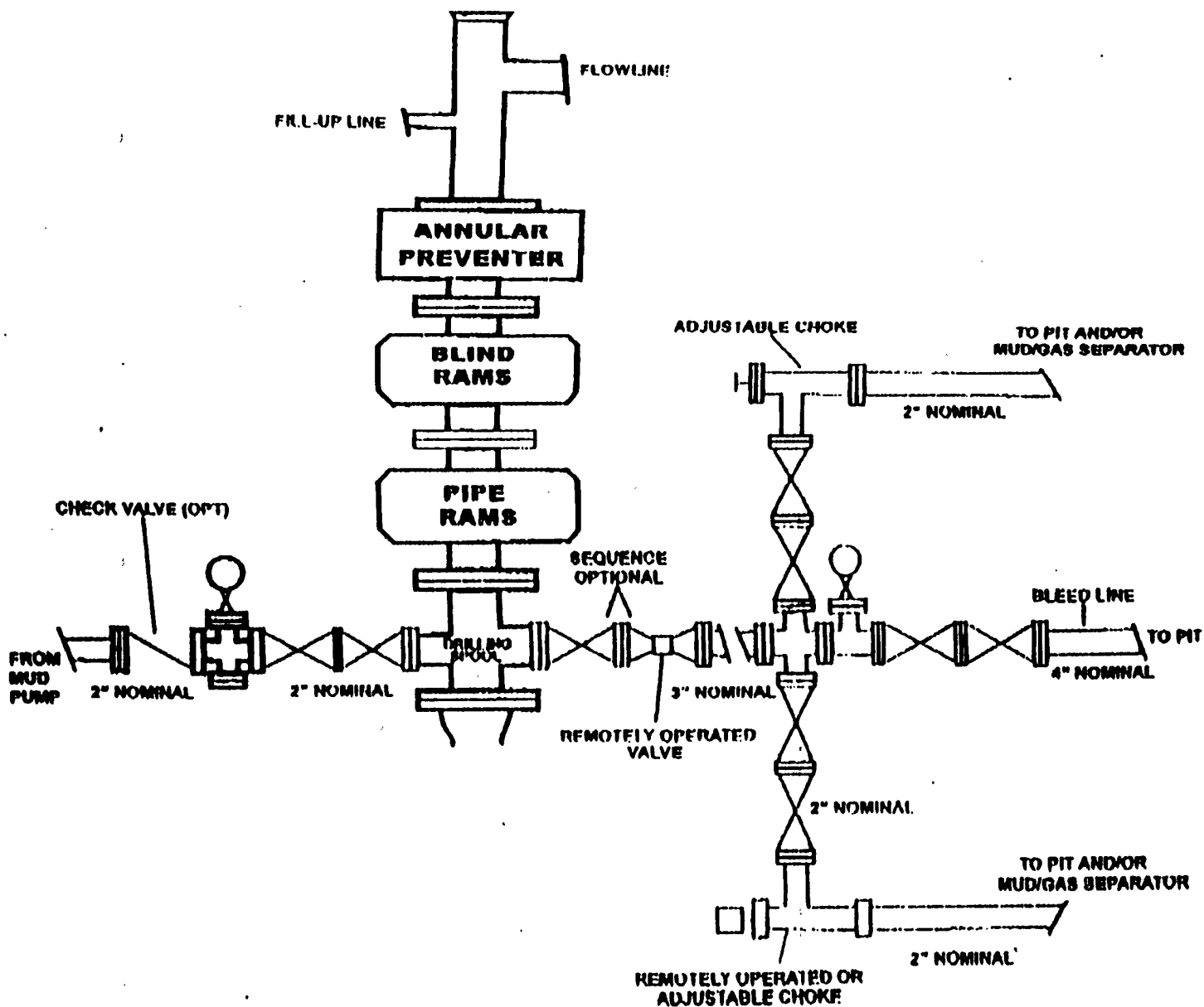
| | | | | | | | | | |
|---------------------------|----------------------|-------------------------|----------------------|---------|-----------------------------|----------------------------------|------------------------------|-------------------------------|-----------------------|
| UL or lot No. C | Section 25 | Township 17-S | Range 28-E | Lot Idn | Feet from the 450 | North/South line NORTH | Feet from the 2285 | East/West line WEST | County EDDY |
|---------------------------|----------------------|-------------------------|----------------------|---------|-----------------------------|----------------------------------|------------------------------|-------------------------------|-----------------------|

Bottom Hole Location If Different From Surface

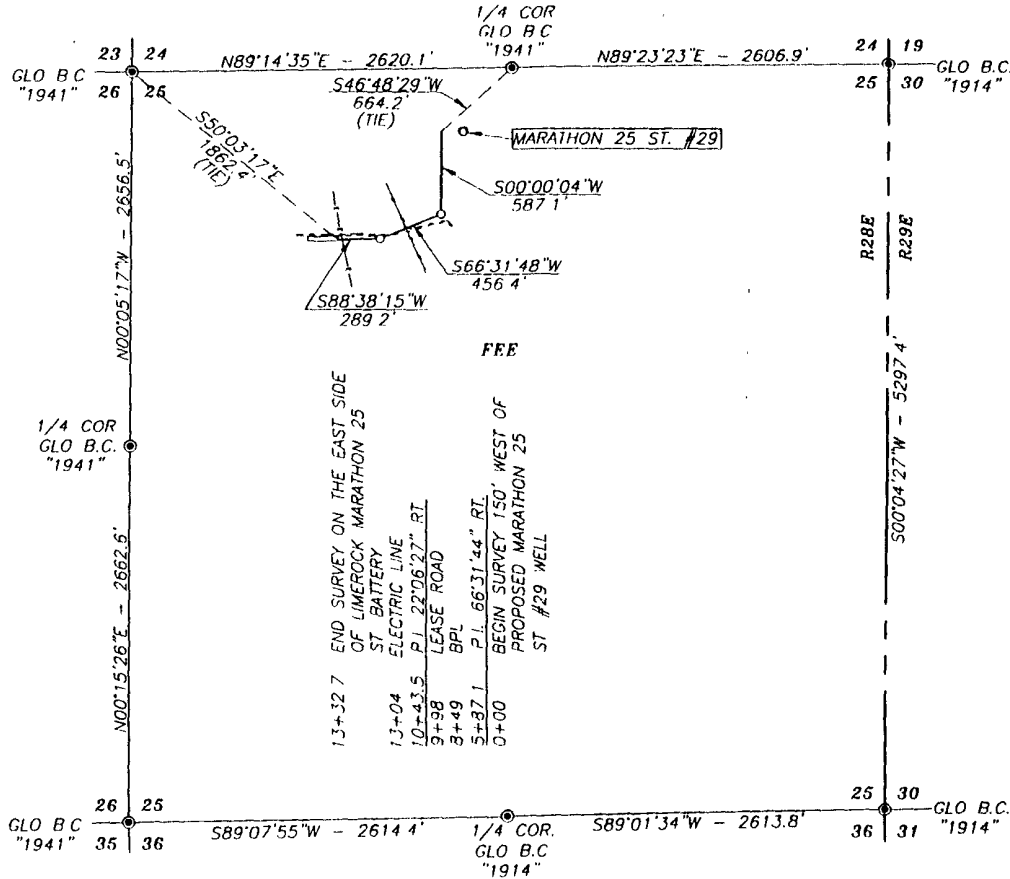
| | | | | | | | | | |
|------------------------------|-----------------|--------------------|-----------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | 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 Y=659387.1 N X=562311.0 E LAT.=32.812579° N LONG.=104.130518° 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>George R. Smith</i> 9/22/09 Signature Date George R. Smith, 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> Date Surveyed: 8/10/09 LA Signature & Seal of Professional Surveyor <i>Ronald J. Eidson</i> Certificate No. GARY EIDSON 12841 RONALD J. EIDSON 3239</p> |
|--|---|

**BOP DIAGRAM
3000# SYSTEM**

SECTION 25, TOWNSHIP 17 SOUTH, RANGE 28 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



DESCRIPTION

CENTERLINE SURVEY OF A PIPELINE EASEMENT CROSSING SECTION 25, TOWNSHIP 17 SOUTH, RANGE 28 EAST, NMPM, EDDY COUNTY, NEW MEXICO AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION WHICH LIES S46°48'29"W 664.2 FEET FROM THE NORTH QUARTER CORNER OF SAID SECTION, THEN S00°00'04"W 587.1 FEET, THEN S66°31'48"W 456.4 FEET; THEN S88°38'15"W 289.2 FEET TO A POINT IN THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION WHICH LIES S50°03'17"E 1862.4 FEET FROM THE NORTHWEST CORNER OF SAID SECTION.

TOTAL LENGTH EQUALS 1332.7 FEET OR 80.77 RODS

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 AND 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

1000 0 1000 2000 FEET
Scale 1"=1000'

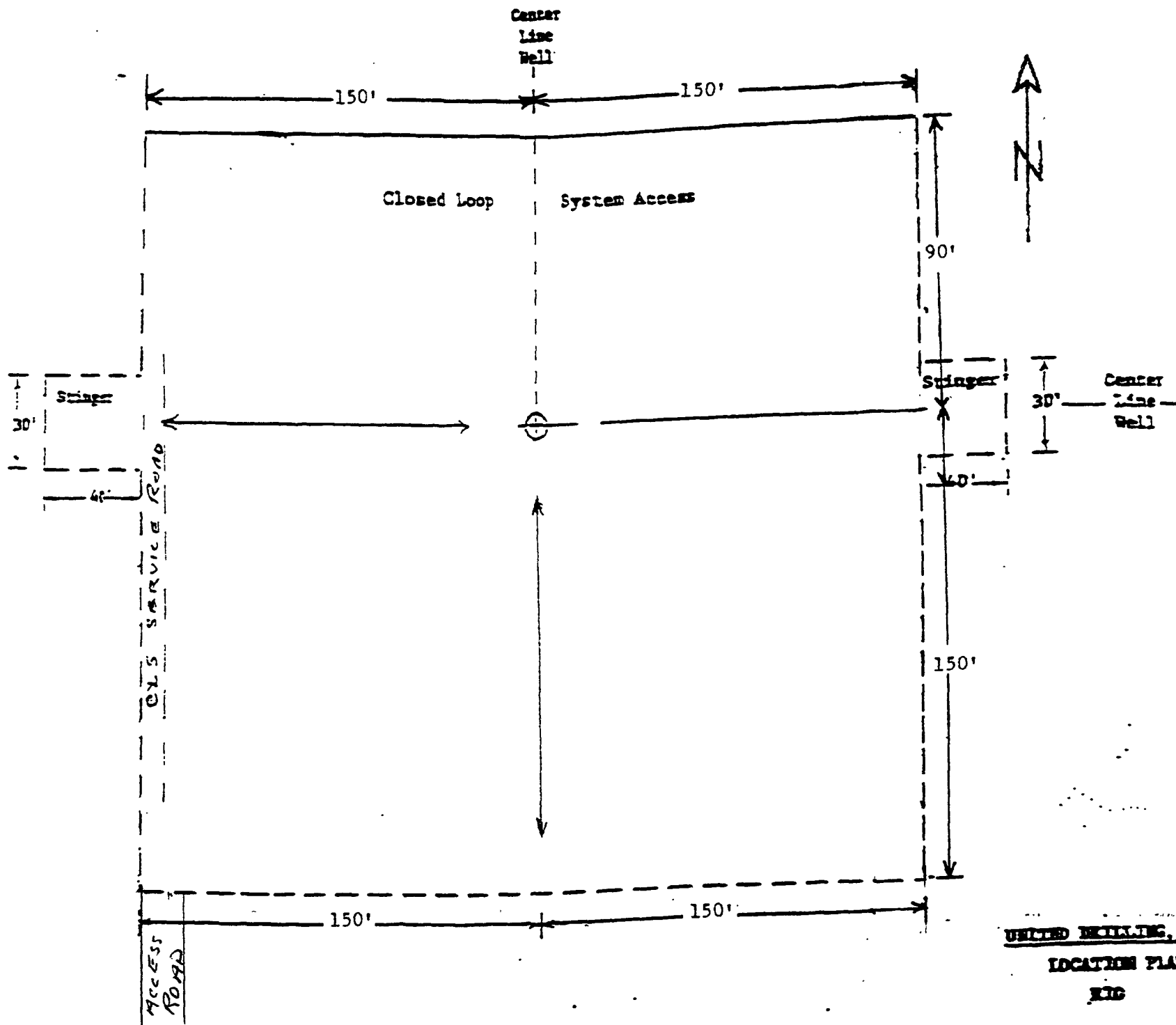
Ronald J. Edson
RONALD J. EDSON N.M.P.S. No. 3239

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

LIME ROCK RESORUCES A, L.P.

SURVEY OF A PIPELINE EASEMENT CROSSING
SECTION 25, TOWNSHIP 17 SOUTH, RANGE 28 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO

| | |
|-------------------------|---------------------|
| Survey Date: 7/30/09 | Sheet 1 of 1 Sheets |
| W.O. Number: 09.11.0665 | Drawn By: LA |
| Date: 8/4/09 | 09110665 |



UNITED DRILLING, INC.
LOCATION PLAT
ETC