District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St, Artesia, NM 88210
Phone. (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone. (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

NM OIL CONSERVATION
ARTESIA DISTRICT
JUN 09 2016
RECEIVED

Form C-101
Revised July 18, 2013

☐ AMENDED Report

# APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

| [1] Operator Name and Address | [2] OGRID Number |
|---|---|
| Lime Rock Resources II-A, L.P.<br>1111 Bagby Street, Suite 4600 Houston, Texas 77002 | 277558<br>[3] API Number 30 015 43833 |

| [4] Property Code | [5] Property Name | [6] Well No |
|---|---|---|
| 309030 | Simpson 15B | #5 |

## [7] Surface Location

| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
|---|---|---|---|---|---|---|---|---|---|
| B | 15 | 18S | 26E | | 430 | N | 1760 | E | Eddy |

## [8] Proposed Bottom Hole Location

| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
|---|---|---|---|---|---|---|---|---|---|
| B | 15 | 18S | 26E | | 840 | N | 2168 | E | Eddy |

## 9 Pool Information

| | |
|---|---|
| Atoka; Glorieta-Yeso | 3250 |

## Additional Well Information

| [9] Work Type | [10] Well Type | [11] Cable/Rotary | [12] Lease Type | [13] Ground Level Elevation |
|---|---|---|---|---|
| N | O | R | P | 3335.2 |
| [14] Multiple | [15] Proposed Depth | [16] Formation | [17] Contractor | [18] Spud Date |
| N | 4101' MD / 4000' TVD | Yeso | United Drilling, Inc. | After 6/20/2016 |

| Depth to Ground Water: | Distance from nearest fresh water well: | Distance from nearest surface water: |
|---|---|---|
| 8 Ft. | 0.085227273 Miles | 2.5 Miles |

☒ We will be using a closed-loop system in lieu of lined pits

## [19] Proposed Casing and Cement Program

| Type | Hole Size | Casing Size | Casing Weight/ft | Setting Depth | Sacks of Cement | Estimated TOC |
|---|---|---|---|---|---|---|
| Conductor | 26" | 20" | 91.5 | 80 | 100 | Surface |
| Surface | 17-1/2" | 13 -3/8" | 54.5 | 400 | 400 | Surface |
| Intermediate | 12.25 | 8-5/8" | 24 | 895 | 500 | Surface |
| Production | 7 7/8" | 5 - 1/2" | 17 | 4101 | 825 | Surface |

## Casing/Cement Program: Additional Comments

Surface Csg set 50' above first oil show & top of San Andres. Cement will be circulated as required.

## Proposed Blowout Prevention Program

| Type | Working Pressure | Test Pressure | Manufacturer |
|---|---|---|---|
| XLT 11" | 5000 | 2000 | National Varco |

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.
**I further certify that I have complied with 19.15.14.9 (A) NMAC ☐ and/or 19.15.14.9 (B) NMAC 0, if applicable. ☒**

Signature: Eric P. McClusky

Printed Name: Eric McClusky

Title: Operations Engineer

E-mail Address: emcclusky@limerockresources.com

Date: 6/8/2016 Phone: 713-360-5714

OIL CONSERVATION DIVISION

Approved By:

Title: Geologist

Approved Date: 6/24/16 Expiration Date: 6/24/18

Conditions of Approval Attached: Amend hole sizes

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate District Office

☐ AMENDED REPORT

# WELL LOCATION AND ACREAGE DEDICATION PLAT

| [1] API Number | [2] Pool Code | [3] Pool Name |
|---|---|---|
| 30 015 43933 | 3150 | Atoka, Glorieta - Yeso |

| [4] Property Code | [5] Property Name | [6] Well Number |
|---|---|---|
| 309030 | SIMPSON 15B | 5 |

| [7] OGRID No. | [8] Operator Name | [9] Elevation |
|---|---|---|
| 277558 | LIME ROCK RESOURCES II-A, L.P. | 3335.2 |

## [10] Surface Location

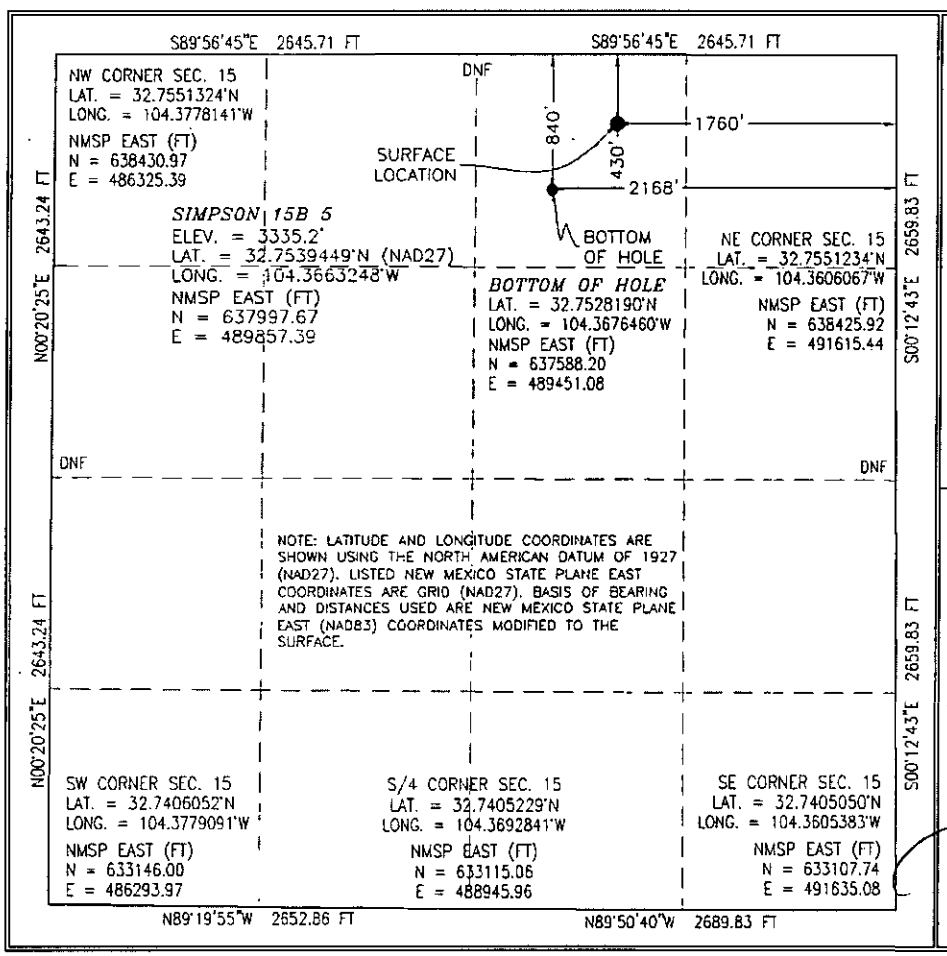
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---|---|---|---|---|---|---|---|---|---|
| B | 15 | 18 S | 26 E | | 430 | NORTH | 1760 | EAST | EDDY |

## [11] 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 |
|---|---|---|---|---|---|---|---|---|---|
| B | 15 | 18 S | 26 E | | 840 | NORTH | 2168 | EAST | EDDY |

| [12] Dedicated Acres | [13] Joint or Infill | [14] Consolidation Code | [15] 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.




## [17] OPERATOR CERTIFICATION

*I hereby certify that the information contained 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 a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.*

Eric P. McCluskey 6/8/16
Signature Date

Eric McCluskey
Printed Name

emccluskey@limerockresources.com
E-mail Address

## [18] SURVEYOR CERTIFICATION

*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.*

JUNE 1, 2016
Date of Survey

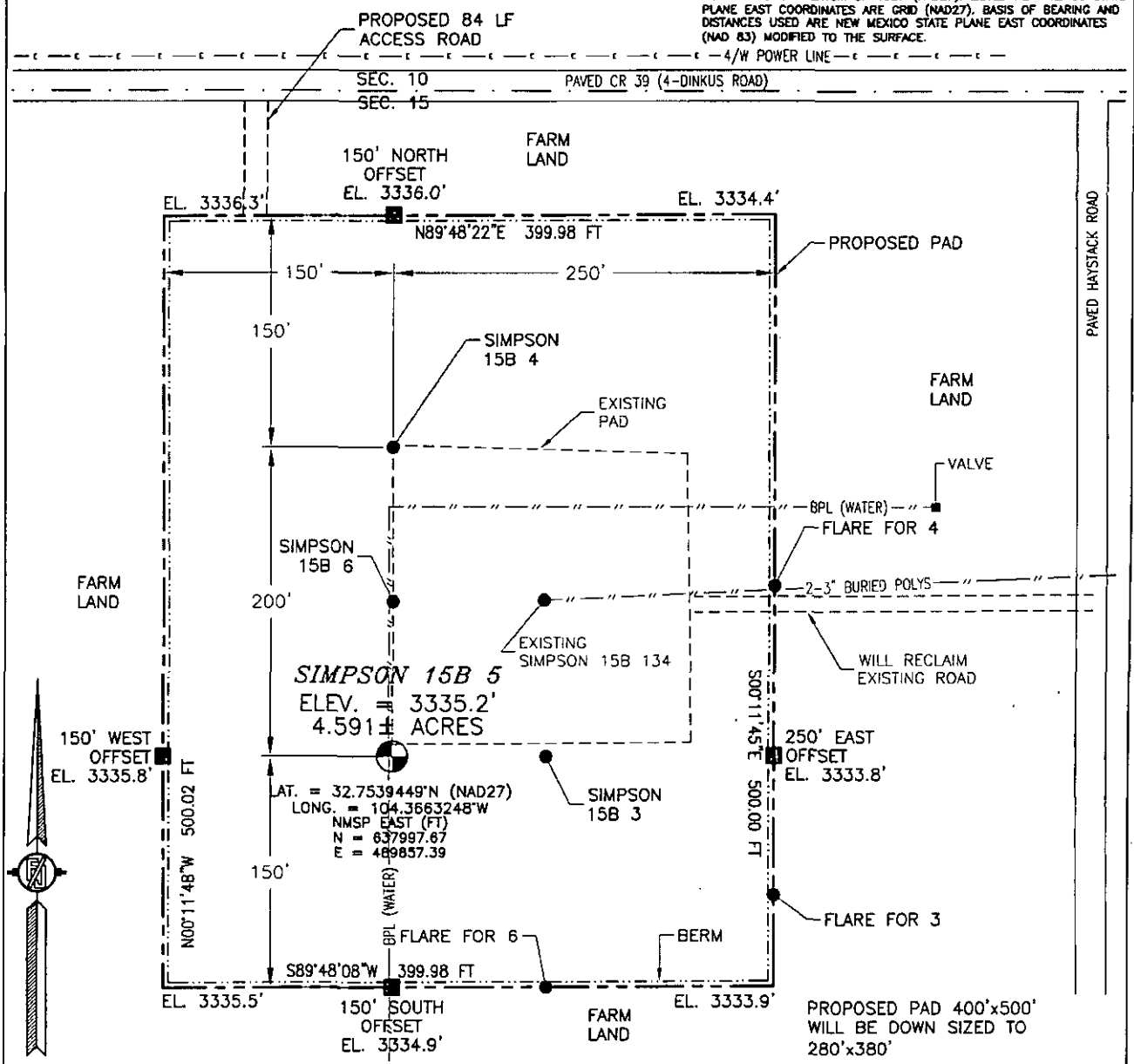
FILIMON F. JARAMILLO
Signature and Seal of Professional Surveyor

Certificate Number: FILIMON F. JARAMILLO, PLS 12797

SURVEY NO. 4569A

# SECTION 15, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M.
# EDDY COUNTY, STATE OF NEW MEXICO
# SITE MAP

NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1927 (NAD27). LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD27). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES (NAD 83) MODIFIED TO THE SURFACE.




**DIRECTIONS TO LOCATION**

FROM STATE ROAD 229 (HALDEMAN) AND CR 39 (FOUR DINKUS) GO WEST ON CR 39 0.3 OF A MILE TO A PROPOSED ROAD SURVEY AND FOLLOW FLAGS SOUTH 84' TO THE PROPOSED NORTHWEST PAD CORNER FOR THIS LOCATION.

*LIME ROCK RESOURCES II-A, L.P.*

***SIMPSON 15B 5***

*LOCATED 430 FT. FROM THE NORTH LINE AND 1760 FT. FROM THE EAST LINE OF SECTION 15, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M. EDDY COUNTY, STATE OF NEW MEXICO*

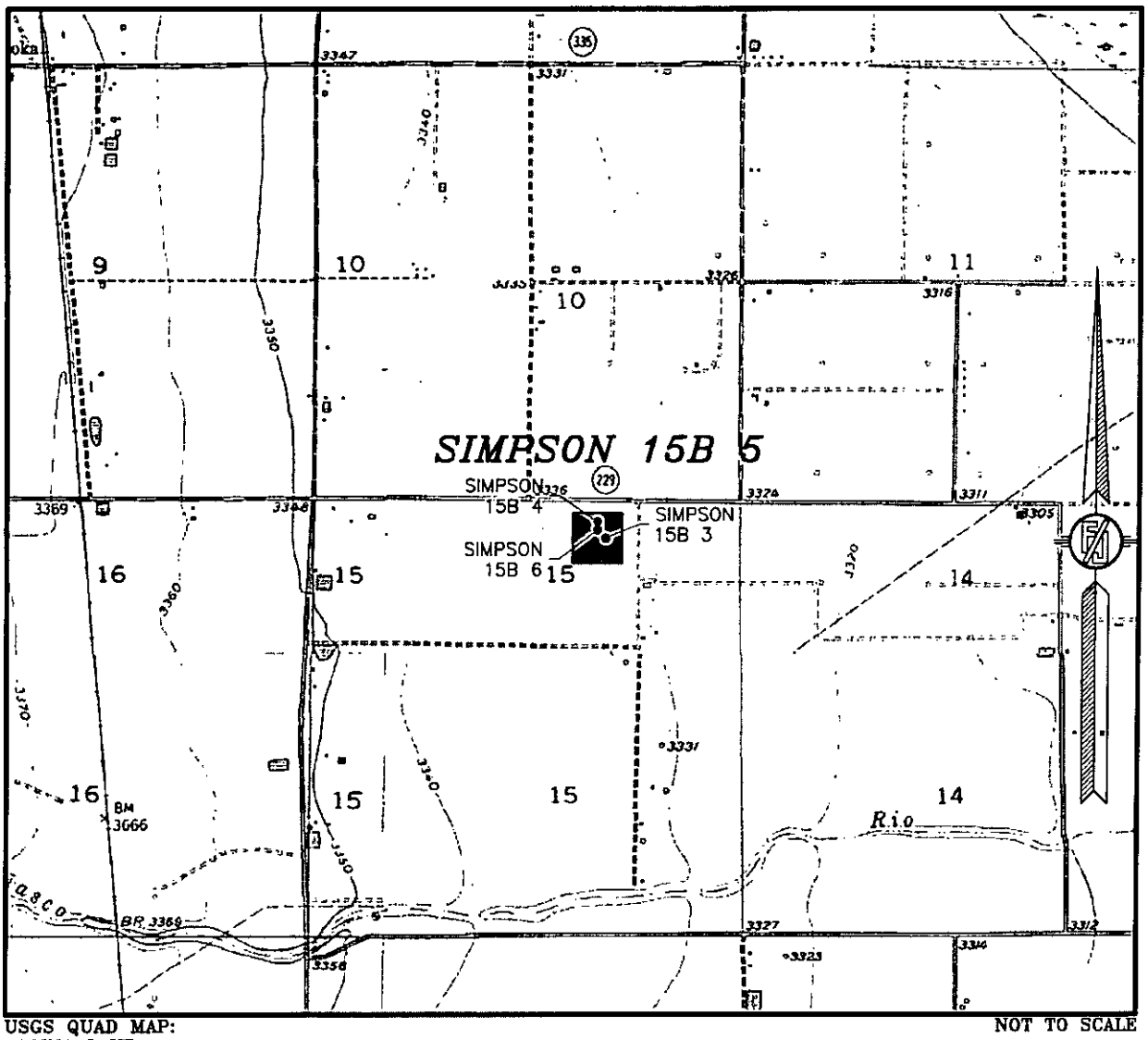
*JUNE 1, 2016*

*SURVEY NO. 4569A*

*MADRON SURVEYING, INC.* 301 SOUTH CANAL (575) 234-3341 *CARLSBAD, NEW MEXICO*

*SECTION 15, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M.*
*EDDY COUNTY, STATE OF NEW MEXICO*

# *LOCATION VERIFICATION MAP*




USGS QUAD MAP:
SPRING LAKE

NOT TO SCALE

*LIME ROCK RESOURCES II-A, L.P.*

***SIMPSON 15B 5***

*LOCATED 430 FT. FROM THE NORTH LINE*
*AND 1760 FT. FROM THE EAST LINE OF*
*SECTION 15, TOWNSHIP 18 SOUTH,*
*RANGE 26 EAST, N.M.P.M.*
*EDDY COUNTY, STATE OF NEW MEXICO*

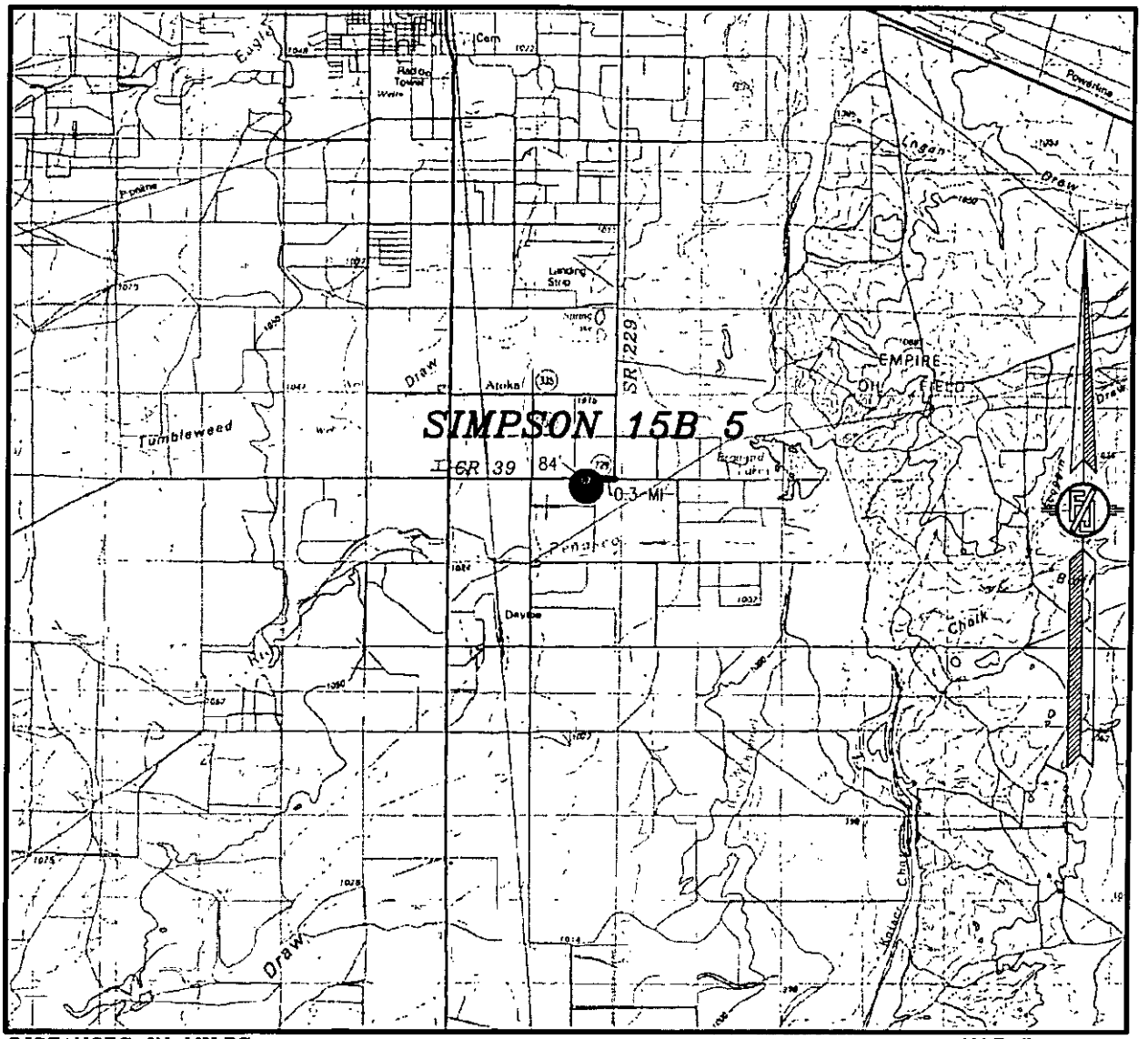
*JUNE 1, 2016*

*SURVEY NO. 4569A*

*MADRON SURVEYING, INC.* 301 SOUTH CANAL (575) 234-3341 *CARLSBAD, NEW MEXICO*

SECTION 15, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

# VICINITY MAP




DISTANCES IN MILES

NOT TO SCALE

**DIRECTIONS TO LOCATION**
FROM STATE ROAD 229 (HALDEMAN) AND CR 39 (FOUR DINKUS) GO WEST ON CR 39 0.3 OF A MILE TO A PROPOSED ROAD SURVEY AND FOLLOW FLAGS SOUTH 84' TO THE PROPOSED NORTHWEST PAD CORNER FOR THIS LOCATION.

LIME ROCK RESOURCES II-A, L.P.

**SIMPSON 15B 5**

LOCATED 430 FT. FROM THE NORTH LINE AND 1760 FT. FROM THE EAST LINE OF SECTION 15, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

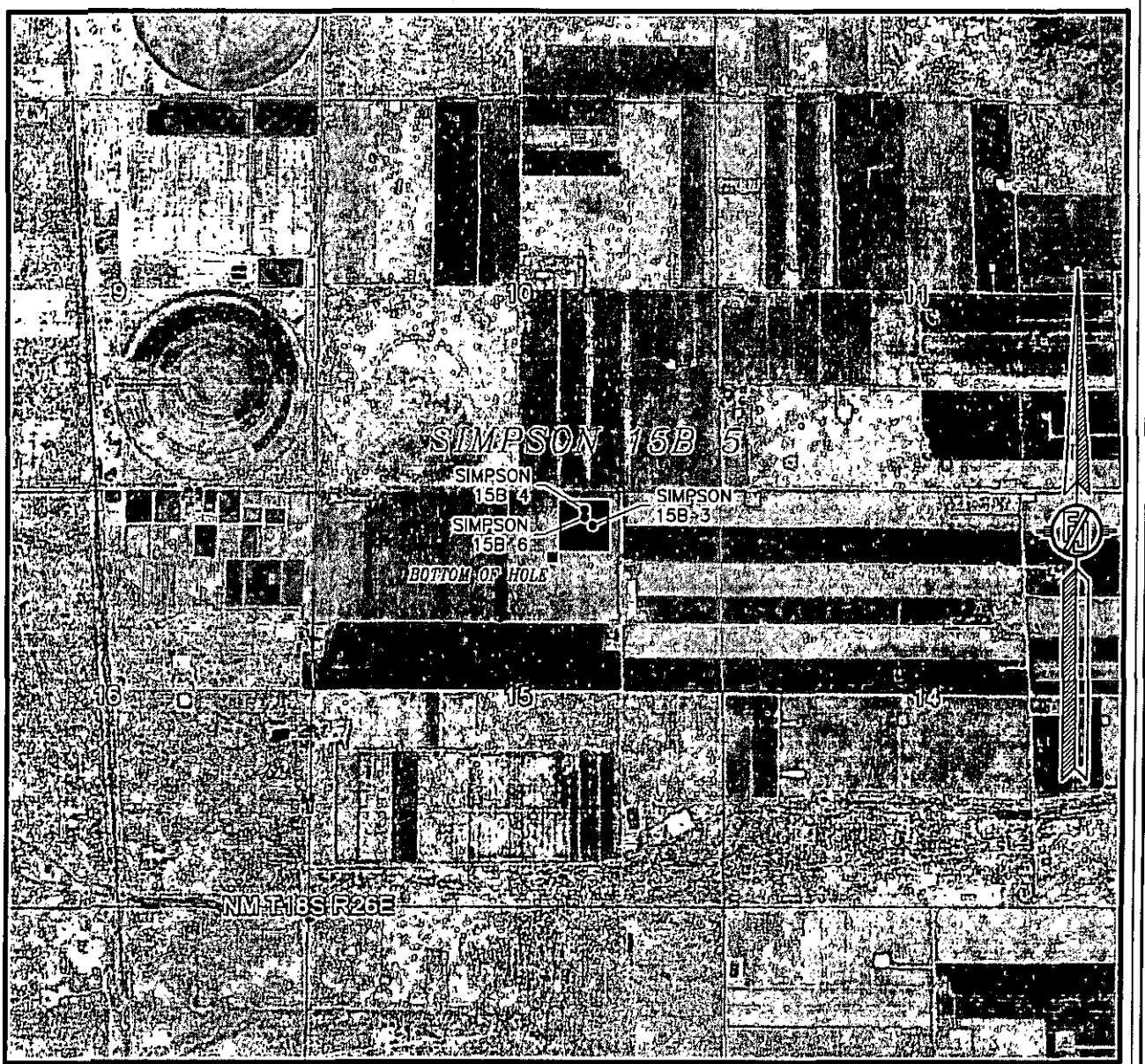
JUNE 1, 2016

SURVEY NO. 4569A

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 15, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

# AERIAL PHOTO




NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
MAY 2014

LIME ROCK RESOURCES II-A, L.P.

**SIMPSON 15B 5**

LOCATED 430 FT. FROM THE NORTH LINE
AND 1760 FT. FROM THE EAST LINE OF
SECTION 15, TOWNSHIP 18 SOUTH,
RANGE 26 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

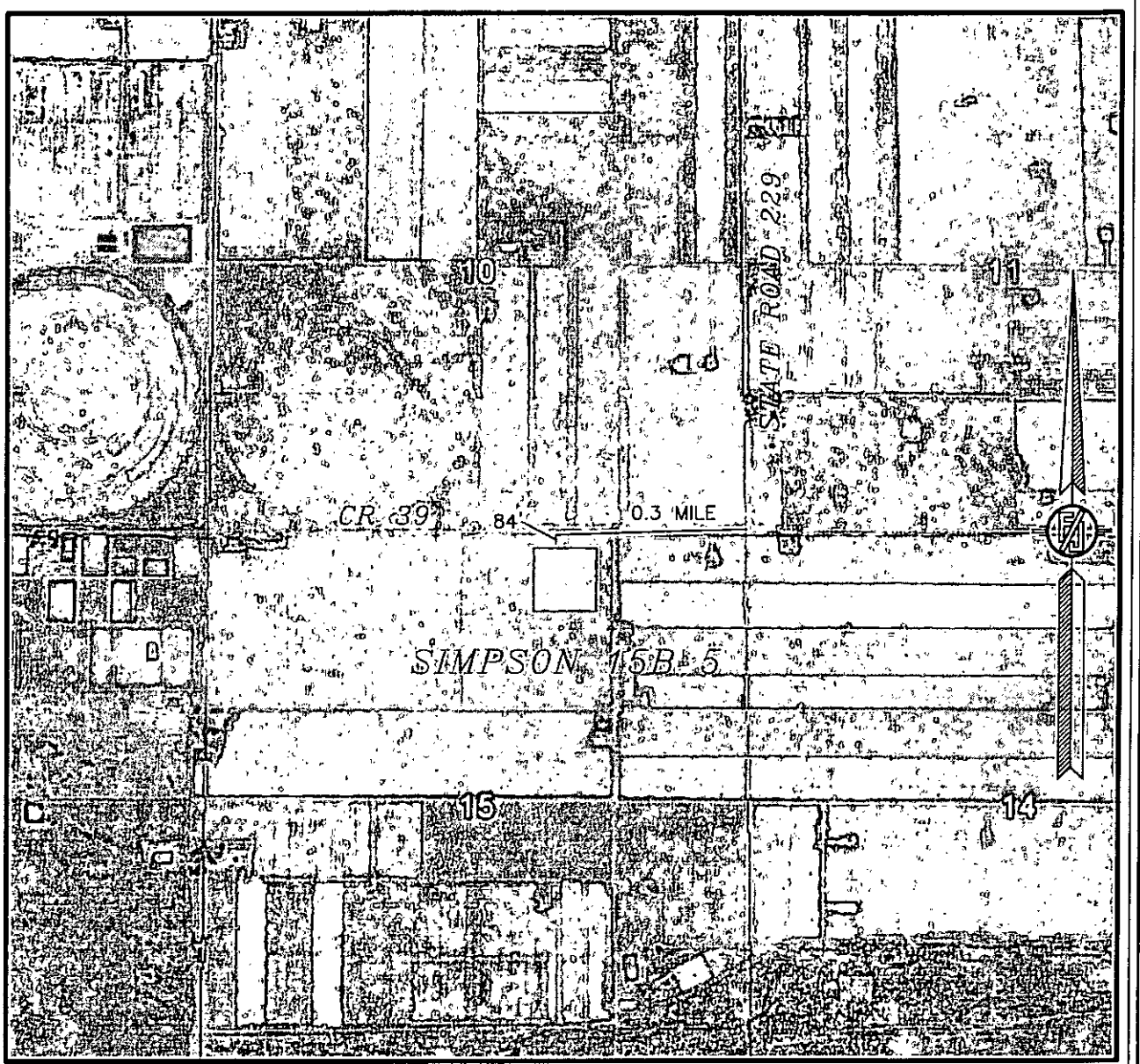
JUNE 1, 2016

SURVEY NO. 4569A

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 15, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

# ACCESS AERIAL ROUTE MAP




NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
MAY 2014

LIME ROCK RESOURCES II-A, L.P.

**SIMPSON 15B 5**

LOCATED 430 FT. FROM THE NORTH LINE
AND 1760 FT. FROM THE EAST LINE OF
SECTION 15, TOWNSHIP 18 SOUTH,
RANGE 26 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

JUNE 1, 2016

SURVEY NO. 4569A

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

**Lime Rock Resources II-A, L.P.**
**Drilling Plan**

**Simpson 15B #5**
**430' FNL 1760' FEL**
**(B) 15-18S-26E**
**Eddy County, NM**

1. The elevation of the unprepared ground is 3335.2 feet above sea level.
2. The geologic name of the surface formation is Quaternary – Alluvium.
3. A rotary rig will be utilized to drill the well to 4000' and run casing. This equipment will be rigged down and the well will be completed with a workover rig.
4. Well will be drilled to a total proposed depth of 4101' MD./ 4000' TVD. inside a 30' X 30' square target inside of 40 acre spacing regulatory quarter-quarter setback distances. The KOP for directional drilling will be at 450'. See directional plan for detail.
5. Estimated tops of geologic markers:

| | MD | TVD |
|---|---|---|
| Quaternary – Alluvium | Surface | Surface |
| Yates | NA | NA |
| 7 Rivers | NA | NA |
| Queen | 260 | 260 |
| Grayburg | 638 | 637 |
| Premier | 922 | 906 |
| San Andres | 965 | 946 |
| Glorieta | 2406 | 2305 |
| Yeso | 2496 | 2395 |
| Tubb | 3909 | 3808 |
| TD | 4101 | 4000 |

6. Estimated depths at which anticipated oil, gas, or other mineral bearing formations are expected to be encountered:

| | MD | TVD |
|---|---|---|
| Yates | NA | NA |
| 7 Rivers | NA | NA |
| Queen | 260 | 260 |
| Grayburg | 638 | 637 |
| Premier | 922 | 906 |
| San Andres | 965 | 946 |
| Glorieta | 2406 | 2305 |
| Yeso | 2496 | 2395 |
| Tubb | 3909 | 3808 |
| TD | 4101 | 4000 |

7. Proposed Casing and Cement program is as follows:

| Type | Hole | Casing | Wt | Grade | Thread | Depth | Sx | Density | Yield | Components |
|---|---|---|---|---|---|---|---|---|---|---|
| Conductor | 26" | 20" | 91.5 | B | Welded | 80 | 100 | | | Ready Mix |
| Surface | 17-1/2" | 13 -3/8" | 54.5 | J-55 | ST&C | 400 | 400 | 14.8 | 1.35 | Cl C Cmt + 0.25 lbs/sk Cello Flake + 2% CaCl2 |
| Intermediate | 12.25 | 8-5/8" | 24 | J-55 | ST&C | 895 | 500 | | 1.4 | Cl C Cmt + 0.25 lbs/sk Cello Flake + 2% CaCl2 |
| | | | | | | | | | | |
| Production | 7-7/8" | 5-1/2" | 17 | J-55 | LT&C | 4101 | 200 | 12.8 | 1.903 | (35:65) Poz/Cl C Cmt + 5% NaCl + 0.25 lbs/sk Cello Flake + 5 lbs/sk LCM-1 +0.2% R-3 + 6% Gel |
| | | | | | | | 625 | 14.8 | 1.33 | Cl H w/ 0.6% R-3, 0.125% Cello Flake, 2% Gel |

8. Proposed Mud Program is as follows

| Depth | 0-895 | 895-3850 | 3850-4101 |
|---|---|---|---|
| Mud Type | Fresh Water Mud | Brine | Brine, Salt Gel, & Starch |
| Properties | | | |
| MW | 8.4-9.2 | 9.8-10.1 | 9.9-10.1 |
| pH | 9.0-10.5 | 10.0-12.0 | 10.0-12.0 |
| WL | NC | NC | 20-30 |
| Vis | 28-34 | 28-29 | 32-34 |
| MC | NC | NC | <2 |
| Solids | NC | <2% | <3% |
| Pump Rate | 300-500 gpm | 375-425 gpm | 400-425 gpm |
| Special | | Use Poymers sticks and MF-55 Hi-Vis Sweeps as necessary | Hi Vis Sweeps, add acid and starch as req. Raise Vis to 35 for log. |

9. **Pressure Control Equipment: See Attached Description and diagram of Pressure Control Equipment.**

10. **Testing, Logging and Coring Program**
**Testing Program:** No drill stem tests are anticipated
**Electric Logging Program:** SGR-DLL-CDL-CNL Quad Combo from 4101 to surf. Csg. SGR-CNL to Surf.
**Coring Program:** No full or sidewall cores are anticipated.

11. **Potential Hazards:**
No abnormal temperatures or pressures are expected. There is no known presence of H2S in this area. If H2S is encountered the operator will comply with the provisions of Onshore Oil and Gas Order No. 6. All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well. Estimated BHP 1804.44 psi based on 0.44 x TD. The estimated BHT is 125 degrees F.

12. **Duration of Operations:**
Anticipated spud date will be soon after approval and as soon as a rig will be available. Move in operations and drilling is expected to take 10 days. An additional 14 days will be needed it complete the well and to construct surface facilities.

LIME ROCK RESOURCES

# Lime Rock

**Eddy, NM (Nad27)**
**Simpson 15B**
**#5**

**Original Hole**

**Plan: Plan 1**

# Standard Planning Report

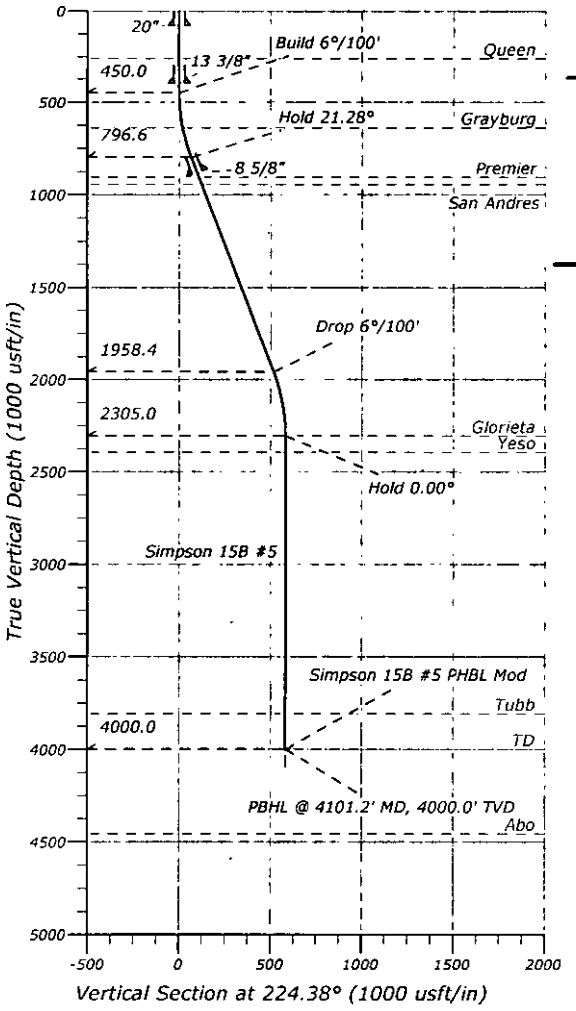
**18 May, 2016**

ENERGY SERVICES, LLC

LIME ROCK RESOURCES

# Lime Rock
# Eddy, NM (Nad27)
# Simpson 15B
# #5
# Plan 1

ENERGY SERVICES, LLC



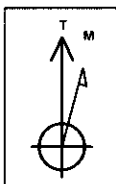

**WELL DETAILS: Simpson 15B #5**

Ground Level: 3335.2 RKB @ 3348.0usft

| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
|---|---|---|---|---|---|
| 0.0 | 0.0 | 637997.67 | 489857.39 | 32° 45' 14.202 N | 104° 21' 58.769 W |

**DESIGN TARGET DETAILS**

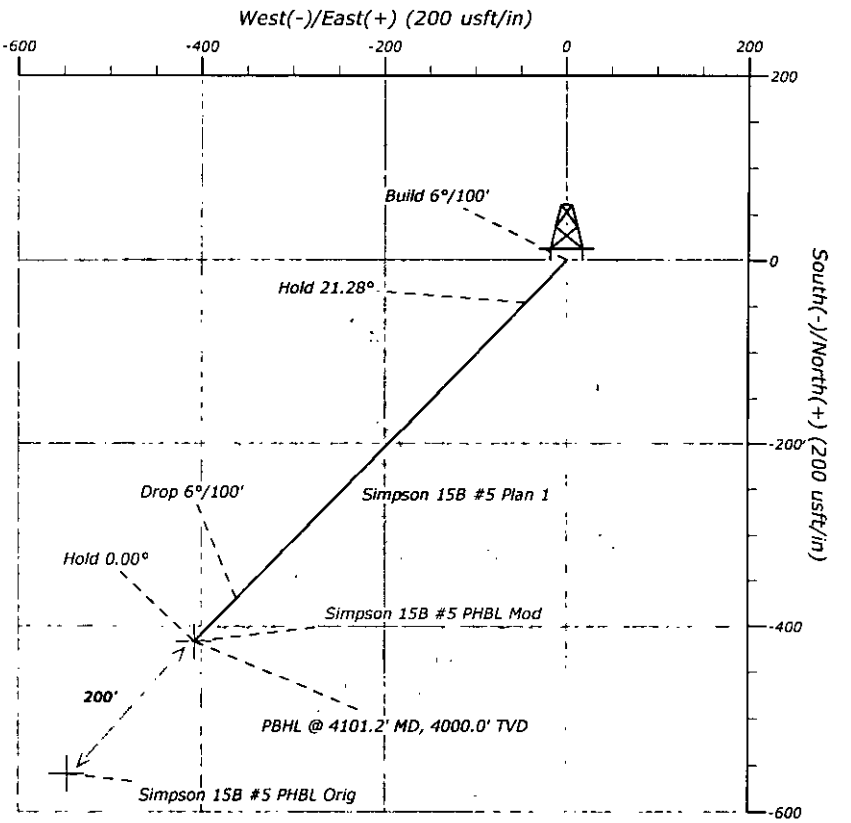
| Name | TVD | +N/-S | +E/-W | Northing | Easting |
|---|---|---|---|---|---|
| Simpson 15B #5 PHBL Mod | 4000.0 | -416.5 | -407.6 | 637581.28 | 489449.62 |
| Simpson 15B #5 PHBL Orig | 4000.0 | -559.1 | -547.1 | 637438.79 | 489310.13 |




Azimuths to True North
Magnetic North: 7.48°

Magnetic Field
Strength: 48278.6snT
Dip Angle: 60.43°
Date: 5/17/2016
Model: IGRF2015

To convert a Magnetic Direction to a True Direction, Add 7.48° East
Magnetic North is 7.48° East of True North (Magnetic Declination)




**FORMATION TOP DETAILS**

| TVDPath | MDPath | Formation |
|---|---|---|
| 260.0 | 260.0 | Queen |
| 637.0 | 638.2 | Grayburg |
| 906.0 | 922.1 | Premier |
| 946.0 | 965.0 | San Andres |
| 2305.0 | 2406.2 | Glorieta |
| 2395.0 | 2496.2 | Yeso |
| 3808.0 | 3909.2 | Tubb |

**PROJECT DETAILS: Eddy, NM (Nad27)**

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

**CASING DETAILS**

| TVD | MD | Size |
|---|---|---|
| 80.0 | 80.0 | 20 |
| 400.0 | 400.0 | 13-3/8 |
| 880.7 | 895.0 | 8-5/8 |

**Section Plans**

| MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSect | Annotation |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 450.0 | 0.00 | 0.00 | 450.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | Build 6°/100' |
| 804.7 | 21.28 | 224.38 | 796.6 | -46.5 | -45.6 | 6.00 | 224.38 | 65.1 | Hold 21.28° |
| 2051.5 | 21.28 | 224.38 | 1958.4 | -370.0 | -362.1 | 0.00 | 0.00 | 517.7 | Drop 6°/100' |
| 2406.2 | 0.00 | 0.00 | 2305.0 | -416.5 | -407.6 | 6.00 | 180.00 | 582.8 | Hold 0.00° |
| 4101.2 | 0.00 | 0.00 | 4000.0 | -416.5 | -407.6 | 0.00 | 0.00 | 582.8 | PBHL @ 4101.2' MD, 4000.0' TVD |

| | | | |
|---|---|---|---|
| **Database:** | EDM 5000.1 Single User Db | **Local Co-ordinate Reference:** | Well #5 |
| **Company:** | Lime Rock | **TVD Reference:** | RKB @ 3348.0usft |
| **Project:** | Eddy, NM (Nad27) | **MD Reference:** | RKB @ 3348.0usft |
| **Site:** | Simpson 15B | **North Reference:** | True |
| **Well:** | #5 | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Original Hole | | |
| **Design:** | Plan 1 | | |

**Project** Eddy, NM (Nad27)

| | | | |
|---|---|---|---|
| **Map System:** | US State Plane 1927 (Exact solution) | **System Datum:** | Mean Sea Level |
| **Geo Datum:** | NAD 1927 (NADCON CONUS) | | |
| **Map Zone:** | New Mexico East 3001 | | |

**Site** Simpson 15B

| | | | | | |
|---|---|---|---|---|---|
| **Site Position:** | | **Northing:** | 637,997.67 usft | **Latitude:** | 32° 45' 14.202 N |
| **From:** | Map | **Easting:** | 489,857.39 usft | **Longitude:** | 104° 21' 58.769 W |
| **Position Uncertainty:** | 0.0 usft | **Slot Radius:** | 13-3/16 " | **Grid Convergence:** | -0.02 ° |

**Well** #5

| | | | | | | |
|---|---|---|---|---|---|---|
| **Well Position** | **+N/-S** | 0.0 usft | **Northing:** | 637,997.67 usft | **Latitude:** | 32° 45' 14.202 N |
| | **+E/-W** | 0.0 usft | **Easting:** | 489,857.39 usft | **Longitude:** | 104° 21' 58.769 W |
| **Position Uncertainty** | | 0.0 usft | **Wellhead Elevation:** | 0.0 usft | **Ground Level:** | 3,335.2 usft |

**Wellbore** Original Hole

| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
|---|---|---|---|---|---|
| | IGRF2015 | 5/17/2016 | 7.48 | 60.43 | 48,279 |

**Design** Plan 1

**Audit Notes:**

| | | | | | |
|---|---|---|---|---|---|
| **Version:** | | **Phase:** | PROTOTYPE | **Tie On Depth:** | 0.0 |

| Vertical Section: | Depth From (TVD) (usft) | +N/-S (usft) | +E/-W (usft) | Direction (°) |
|---|---|---|---|---|
| | 0.0 | 0.0 | 0.0 | 224.38 |

**Plan Sections**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target |
|---|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 450.0 | 0.00 | 0.00 | 450.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 804.7 | 21.28 | 224.38 | 796.6 | -46.5 | -45.6 | 6.00 | 6.00 | 0.00 | 224.38 | |
| 2,051.5 | 21.28 | 224.38 | 1,958.4 | -370.0 | -362.1 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2,406.2 | 0.00 | 0.00 | 2,305.0 | -416.5 | -407.6 | 6.00 | -6.00 | 0.00 | 180.00 | |
| 4,101.2 | 0.00 | 0.00 | 4,000.0 | -416.5 | -407.6 | 0.00 | 0.00 | 0.00 | 0.00 | Simpson 15B #5 PI |

| | | | |
|---|---|---|---|
| **Database:** | EDM 5000.1 Single User Db | **Local Co-ordinate Reference:** | Well #5 |
| **Company:** | Lime Rock | **TVD Reference:** | RKB @ 3348.0usft |
| **Project:** | Eddy, NM (Nad27) | **MD Reference:** | RKB @ 3348.0usft |
| **Site:** | Simpson 15B | **North Reference:** | True |
| **Well:** | #5 | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Original Hole | | |
| **Design:** | Plan 1 | | |

**Planned Survey**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 80.0 | 0.00 | 0.00 | 80.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| **20"** | | | | | | | | | |
| 100.0 | 0.00 | 0.00 | 100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 260.0 | 0.00 | 0.00 | 260.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| **Queen** | | | | | | | | | |
| 300.0 | 0.00 | 0.00 | 300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 400.0 | 0.00 | 0.00 | 400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| **13 3/8"** | | | | | | | | | |
| 450.0 | 0.00 | 0.00 | 450.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| **Build 6°/100'** | | | | | | | | | |
| 500.0 | 3.00 | 224.38 | 500.0 | -0.9 | -0.9 | 1.3 | 6.00 | 6.00 | 0.00 |
| 600.0 | 9.00 | 224.38 | 599.4 | -8.4 | -8.2 | 11.8 | 6.00 | 6.00 | 0.00 |
| 638.2 | 11.29 | 224.38 | 637.0 | -13.2 | -12.9 | 18.5 | 6.00 | 6.00 | 0.00 |
| **Grayburg** | | | | | | | | | |
| 700.0 | 15.00 | 224.38 | 697.2 | -23.3 | -22.8 | 32.5 | 6.00 | 6.00 | 0.00 |
| 800.0 | 21.00 | 224.38 | 792.2 | -45.3 | -44.4 | 63.4 | 6.00 | 6.00 | 0.00 |
| 804.7 | 21.28 | 224.38 | 796.6 | -46.5 | -45.6 | 65.1 | 6.00 | 6.00 | 0.00 |
| **Hold 21.28°** | | | | | | | | | |
| 895.0 | 21.28 | 224.38 | 880.7 | -70.0 | -68.5 | 97.9 | 0.00 | 0.00 | 0.00 |
| **8 5/8"** | | | | | | | | | |
| 900.0 | 21.28 | 224.38 | 885.4 | -71.3 | -69.7 | 99.7 | 0.00 | 0.00 | 0.00 |
| 922.1 | 21.28 | 224.38 | 906.0 | -77.0 | -75.4 | 107.7 | 0.00 | 0.00 | 0.00 |
| **Premier** | | | | | | | | | |
| 965.0 | 21.28 | 224.38 | 946.0 | -88.1 | -86.3 | 123.3 | 0.00 | 0.00 | 0.00 |
| **San Andres** | | | | | | | | | |
| 1,000.0 | 21.28 | 224.38 | 978.6 | -97.2 | -95.1 | 136.0 | 0.00 | 0.00 | 0.00 |
| 1,100.0 | 21.28 | 224.38 | 1,071.8 | -123.1 | -120.5 | 172.3 | 0.00 | 0.00 | 0.00 |
| 1,200.0 | 21.28 | 224.38 | 1,164.9 | -149.1 | -145.9 | 208.6 | 0.00 | 0.00 | 0.00 |
| 1,300.0 | 21.28 | 224.38 | 1,258.1 | -175.0 | -171.3 | 244.9 | 0.00 | 0.00 | 0.00 |
| 1,400.0 | 21.28 | 224.38 | 1,351.3 | -201.0 | -196.7 | 281.2 | 0.00 | 0.00 | 0.00 |
| 1,500.0 | 21.28 | 224.38 | 1,444.5 | -226.9 | -222.1 | 317.5 | 0.00 | 0.00 | 0.00 |
| 1,600.0 | 21.28 | 224.38 | 1,537.7 | -252.8 | -247.5 | 353.8 | 0.00 | 0.00 | 0.00 |
| 1,700.0 | 21.28 | 224.38 | 1,630.8 | -278.8 | -272.8 | 390.1 | 0.00 | 0.00 | 0.00 |
| 1,800.0 | 21.28 | 224.38 | 1,724.0 | -304.7 | -298.2 | 426.4 | 0.00 | 0.00 | 0.00 |
| 1,900.0 | 21.28 | 224.38 | 1,817.2 | -330.7 | -323.6 | 462.7 | 0.00 | 0.00 | 0.00 |
| 2,000.0 | 21.28 | 224.38 | 1,910.4 | -356.6 | -349.0 | 499.0 | 0.00 | 0.00 | 0.00 |
| 2,051.5 | 21.28 | 224.38 | 1,958.4 | -370.0 | -362.1 | 517.7 | 0.00 | 0.00 | 0.00 |
| **Drop 6°/100'** | | | | | | | | | |
| 2,100.0 | 18.37 | 224.38 | 2,004.0 | -381.7 | -373.6 | 534.1 | 6.00 | -6.00 | 0.00 |
| 2,200.0 | 12.37 | 224.38 | 2,100.4 | -400.7 | -392.1 | 560.6 | 6.00 | -6.00 | 0.00 |
| 2,300.0 | 6.37 | 224.38 | 2,199.0 | -412.3 | -403.5 | 576.9 | 6.00 | -6.00 | 0.00 |
| 2,400.0 | 0.37 | 224.38 | 2,298.8 | -416.5 | -407.6 | 582.8 | 6.00 | -6.00 | 0.00 |
| 2,406.2 | 0.00 | 0.00 | 2,305.0 | -416.5 | -407.6 | 582.8 | 6.00 | -6.00 | 0.00 |
| **Hold 0.00° - Glorieta** | | | | | | | | | |
| 2,496.2 | 0.00 | 0.00 | 2,395.0 | -416.5 | -407.6 | 582.8 | 0.00 | 0.00 | 0.00 |
| **Yeso** | | | | | | | | | |
| 2,500.0 | 0.00 | 0.00 | 2,398.8 | -416.5 | -407.6 | 582.8 | 0.00 | 0.00 | 0.00 |
| 2,600.0 | 0.00 | 0.00 | 2,498.8 | -416.5 | -407.6 | 582.8 | 0.00 | 0.00 | 0.00 |
| 2,700.0 | 0.00 | 0.00 | 2,598.8 | -416.5 | -407.6 | 582.8 | 0.00 | 0.00 | 0.00 |
| 2,800.0 | 0.00 | 0.00 | 2,698.8 | -416.5 | -407.6 | 582.8 | 0.00 | 0.00 | 0.00 |

| | | | |
|---|---|---|---|
| **Database:** | EDM 5000.1 Single User Db | **Local Co-ordinate Reference:** | Well #5 |
| **Company:** | Lime Rock | **TVD Reference:** | RKB @ 3348.0usft |
| **Project:** | Eddy, NM (Nad27) | **MD Reference:** | RKB @ 3348.0usft |
| **Site:** | Simpson 15B | **North Reference:** | True |
| **Well:** | #5 | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Original Hole | | |
| **Design:** | Plan 1 | | |

**Planned Survey**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|---|---|---|---|---|---|---|---|---|---|
| 2,900.0 | 0.00 | 0.00 | 2,798.8 | -416.5 | -407.6 | 582.8 | 0.00 | 0.00 | 0.00 |
| 3,000.0 | 0.00 | 0.00 | 2,898.8 | -416.5 | -407.6 | 582.8 | 0.00 | 0.00 | 0.00 |
| 3,100.0 | 0.00 | 0.00 | 2,998.8 | -416.5 | -407.6 | 582.8 | 0.00 | 0.00 | 0.00 |
| 3,200.0 | 0.00 | 0.00 | 3,098.8 | -416.5 | -407.6 | 582.8 | 0.00 | 0.00 | 0.00 |
| 3,300.0 | 0.00 | 0.00 | 3,198.8 | -416.5 | -407.6 | 582.8 | 0.00 | 0.00 | 0.00 |
| 3,400.0 | 0.00 | 0.00 | 3,298.8 | -416.5 | -407.6 | 582.8 | 0.00 | 0.00 | 0.00 |
| 3,500.0 | 0.00 | 0.00 | 3,398.8 | -416.5 | -407.6 | 582.8 | 0.00 | 0.00 | 0.00 |
| 3,600.0 | 0.00 | 0.00 | 3,498.8 | -416.5 | -407.6 | 582.8 | 0.00 | 0.00 | 0.00 |
| 3,700.0 | 0.00 | 0.00 | 3,598.8 | -416.5 | -407.6 | 582.8 | 0.00 | 0.00 | 0.00 |
| 3,800.0 | 0.00 | 0.00 | 3,698.8 | -416.5 | -407.6 | 582.8 | 0.00 | 0.00 | 0.00 |
| 3,900.0 | 0.00 | 0.00 | 3,798.8 | -416.5 | -407.6 | 582.8 | 0.00 | 0.00 | 0.00 |
| 3,909.2 | 0.00 | 0.00 | 3,808.0 | -416.5 | -407.6 | 582.8 | 0.00 | 0.00 | 0.00 |
| **Tubb** | | | | | | | | | |
| 4,000.0 | 0.00 | 0.00 | 3,898.8 | -416.5 | -407.6 | 582.8 | 0.00 | 0.00 | 0.00 |
| 4,100.0 | 0.00 | 0.00 | 3,998.8 | -416.5 | -407.6 | 582.8 | 0.00 | 0.00 | 0.00 |
| 4,101.2 | 0.00 | 0.00 | 4,000.0 | -416.5 | -407.6 | 582.8 | 0.00 | 0.00 | 0.00 |
| **PBHL @ 4101.2' MD, 4000.0' TVD - Simpson 15B #5 PHBL Orig - Simpson 15B #5 PHBL Mod** | | | | | | | | | |

**Design Targets**

| Target Name - hit/miss target - Shape | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
|---|---|---|---|---|---|---|---|---|---|
| Simpson 15B #5 PHB<br>- plan hits target center<br>- Point | 0.00 | 0.00 | 4,000.0 | -416.5 | -407.6 | 637,581.29 | 489,449.62 | 32° 45' 10.080 N | 104° 22' 3.543 W |

**Casing Points**

| Measured Depth (usft) | Vertical Depth (usft) | Name | Casing Diameter (") | Hole Diameter (") |
|---|---|---|---|---|
| 80.0 | 80.0 | 20" | 20 | 26 |
| 400.0 | 400.0 | 13 3/8" | 13-3/8 | 17-1/2 |
| 895.0 | 880.7 | 8 5/8" | 8-5/8 | 12.25 |

**Formations**

| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) |
|---|---|---|---|---|---|
| 260.0 | 260.0 | Queen | | 0.00 | |
| 638.2 | 637.0 | Grayburg | | 0.00 | |
| 922.1 | 906.0 | Premier | | 0.00 | |
| 965.0 | 946.0 | San Andres | | 0.00 | |
| 2,406.2 | 2,305.0 | Glorieta | | 0.00 | |
| 2,496.2 | 2,395.0 | Yeso | | 0.00 | |
| 3,909.2 | 3,808.0 | Tubb | | 0.00 | |

| | | | |
|---|---|---|---|
| **Database:** | EDM 5000.1 Single User Db | **Local Co-ordinate Reference:** | Well #5 |
| **Company:** | Lime Rock | **TVD Reference:** | RKB @ 3348.0usft |
| **Project:** | Eddy, NM (Nad27) | **MD Reference:** | RKB @ 3348.0usft |
| **Site:** | Simpson 15B | **North Reference:** | True |
| **Well:** | #5 | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Original Hole | | |
| **Design:** | Plan 1 | | |

**Plan Annotations**

| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates +N/-S (usft) | Local Coordinates +E/-W (usft) | Comment |
|---|---|---|---|---|
| 450.0 | 450.0 | 0.0 | 0.0 | Build 6°/100' |
| 804.7 | 796.6 | -46.5 | -45.6 | Hold 21.28° |
| 2,051.5 | 1,958.4 | -370.0 | -362.1 | Drop 6°/100' |
| 2,406.2 | 2,305.0 | -416.5 | -407.6 | Hold 0.00° |
| 4,101.2 | 4,000.0 | -416.5 | -407.6 | PBHL @ 4101.2' MD, 4000.0' TVD |

# Hydrogen Sulfide Drilling Plan Summary

A. All personnel shall receive proper H2S training in accordance with Onshore Order 6 III.C.3.a.

B. Briefing Area: two perpendicular areas will be designated by signs and readily accessible.

C. Required Emergency Equipment:

- Well control equipment
  a. Flare line 150' from wellhead to be ignited by flare gun.
  b. Choke manifold with a remotely operated choke.
  c. Mud/gas separator

- Protective equipment for essential personnel.

  Breathing apparatus:
  a. Rescue Packs (SCBA) — 1 unit shall be placed at each breathing area, 2 shall be stored in the safety trailer.
  b. Work/Escape packs —4 packs shall be stored on the rig floor and contain sufficiently long air hoses as to not to restrict work activity.
  c. Emergency Escape Packs —4 packs shall be stored in the doghouse for emergency evacuation.

  Auxiliary Rescue Equipment:
  a. Stretcher
  b. Two OSHA full body harness
  c. 100 ft 5/8 inch OSHA approved rope
  d. 1-20# class ABC fire extinguisher

- H2S detection and monitoring equipment:
  The stationary detector with three sensors will be placed in the upper dog house if equipped, set to visually alarm @ 10 ppm and audible @ 14 ppm. Calibrate a minimum of every 30 days or as needed. The sensors will be placed in the following places: Rig floor / Bell nipple / End of flow line or where well bore fluid is being discharged.
  (Gas sample tubes will be stored in the safety trailer)

- Visual warning systems:
  a. One color code condition sign will be placed at the entrance to the site reflecting the possible conditions at the site.
  b. A colored condition flag will be on display, reflecting the current condition at the site at the time.
  c. Two wind socks will be placed in strategic locations, visible from all angles.

- Mud program:
  The mud program has been designed to minimize the volume of H2S circulated to surface. The operator will have the necessary mud products to minimize hazards while drilling in H2S bearing zones.

■ Metallurgy:

a. All drill strings, casings, tubing, wellhead, blowout preventer, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H2S service.

b. All elastomers used for packing and seals shall be H2S trim.

■ Communication:

Communication will be via two way radio in emergency and company vehicles. Cell phones and land lines where available.

# H2S CONTINGENCY DRILLING PLAN EMERGENCY CONTACTS

**Company Offices -**

| | |
|---|---|
| Lime Rock Houston Office | 713-292-9510 |
| Answering Service (After Hours) | 713-292-9555 |
| Artesia, NM Office | 575-748-9724 |
| Roswell, NM | 575-623-8424 |

KEY PERSONNEL

| Name | Title | Location | Office # | Cell # | Home # |
|---|---|---|---|---|---|
| Steve Hunter | Production Manager | Houston | 713-292-9516 | 832-330-7313 | Same as Cell |
| Spencer Cox | Operations Engineer | Houston | 713-292-9528 | 432-254-5140 | Same as Cell |
| Eric McClusky | Operations Engineer | Houston | 713-360-5714 | 832-491-3079 | 405-821-0534 |
| Jerry Smith | Assistant Production Supervisor | Artesia | 575-748-9724 | 505-918-0556 | 575-746-2478 |
| Michael Barrett | Production Supervisor | Roswell | 575-623-8424 | 505-353-2644 | 575-623-4707 |
| Gary McCelland | Well Site Supervisor | Rotates on Site | NA | 903-503-8997 | NA |
| Dave Williamson | Well Site Supervisor | Rotates on Site | NA | 575-308-9980 | NA |

| Agency Call List | | |
|---|---|---|
| City | Agency or Office | Telephone # |
| Artesia | Ambulance | 911 |
| Artesia | State Police | 575-746-2703 |
| Artesia | Sherriff's Office | 575-746-9888 |
| Artesia | City Police | 575-746-2703 |
| Artesia | Fire Department | 575-746-2701 |
| Artesia | Local Emergency Planning Committee | 575-746-2122 |
| Artesia | New Mexico OCD District II | 575-748-1283 |
| Carlsbad | Ambulance | 911 |
| Carlsbad | State Police | 575-885-3137 |
| Carlsbad | Sherriff's Office | 575-887-7551 |
| Carlsbad | City Police | 575-885-2111 |
| Carlsbad | Fire Department | 575-885-2111 |
| Carlsbad | Local Emergency Planning Committee | 575-887-3798 |
| Carlsbad | US DOI Bureau of Land Management | 575-887-6544 |
| State Wide | New Mexico Emergency Response Commisssion ("NMERC") | 505-476-9600 |
| State Wide | NMERC 24 Hour Number | 505-827-9126 |
| State Wide | New Mexico State Emergency Operations Center | 505-476-9635 |
| National | National Emergency Response Center (Washington D.C.) | 800-424-8802 |

| Emergency Services | | | | |
|---|---|---|---|---|
| Name | Service | Location | Telephone Number | Alternate Number |
| Boots & Coots International Well Control | Well Control | Houston / Odessa | 1-800-256-9688 | 281-931-8884 |
| Cudd Pressure Control | Well Control/Pumping | Odessa | 915-699-0139 | 915-563-3356 |
| Baker Hughes Inc. | Pumping Services | Artesia, Hobbs & Odessa | 575-746-2757 | Same |
| Total Safety | Safety Equipment & Personnel | Artesia | 575-746-2847 | Same |
| Cutter Oilfirld Services | Drilling Systems Equipment | Midland | 432-488-6707 | Same |
| Safety Dog | Safety Equipment & Personnel | Artesia | 575-748-5847 | 575-441-1370 |
| Fighting for Life | Emergency Helicopter Evacuation | Lubbock | 806-743-9911 | Same |
| Aerocare | Emergency Helicopter Evacuation | Lubbock | 806-747-8923 | Same |
| Med Flight Air Ambulance | Emergency Helicopter Evacuation | Alburquerque | 505-842-4433 | Same |
| Artesia General Hospital | Emergency Medical Care | Artesia | 575-748-3333 | 702 North 13th Street |

Pressure Control Equipment

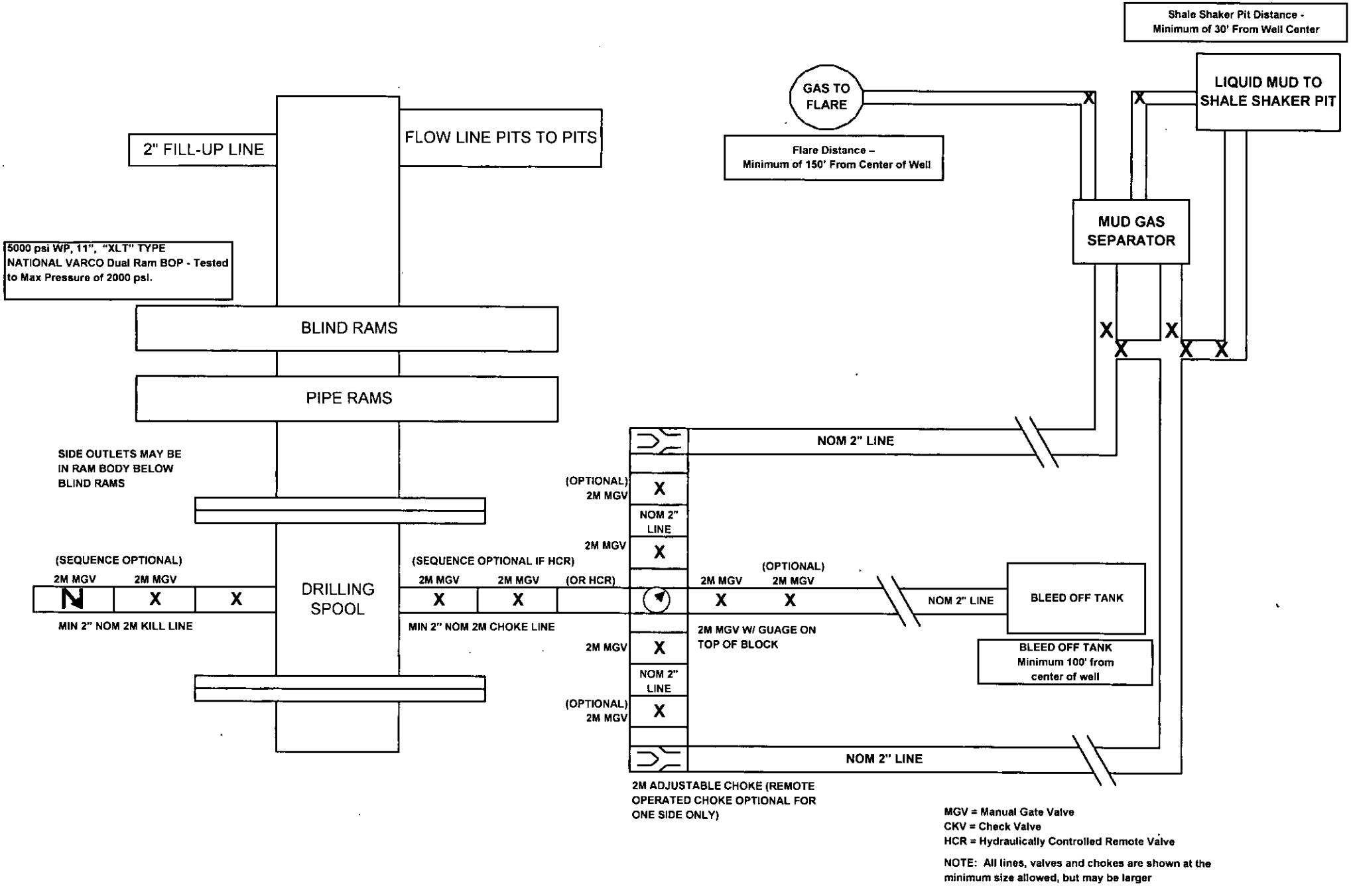
The blowout preventer equipment (BOP) will consist of a 5000 psi rated, "XLT" type, National VARCO double ram preventer that will be tested to a maximum pressure of 2000 psi. The unit will be hydraulically operated and the ram type preventer will be equipped with blind rams on top and drill pipe rams on bottom. The 2M BOP will be installed on the 8 5/8" surface casing and utilized continuously until total depth is reached. All casing strings will be tested as per Onshore Order #2. This also includes a thirty day (30) test, should the rig still be operating on the same well in thirty days.

Pipe rams will be operated and checked each 24 hour period and each time the drill pipe is out of the hole. These functional tests will be documented on the daily drilling logs.

The BOP equipment will consist of the following:

- Double ram with blind rams (top) and pipe rams (bottom),
- Drilling spool, or blowout preventer with 2 side outlets (choke side shall be a 2" minimum diameter, kill side will be at least 2 inch diameter),
- Kill line (2 inch minimum),
- A minimum of 2 choke line valves (2 inch minimum),
- 2 inch diameter choke line,
- 2 kill valves, one of which will be a check valve (2 inch minimum),
- 2 chokes, one of which will be capable of remote operation,
- Pressure gauge on choke manifold,
- Upper Kelly cock valve with handle available,
- Safety valve and subs to fit all drill string connections in use,
- All BOPE connections subjected to well pressure will be flanged, welded, or clamped,
- A Fill-up line above the uppermost preventer.

# 2M BOP SCHEMATIC




MGV = Manual Gate Valve
CKV = Check Valve
HCR = Hydraulically Controlled Remote Valve

NOTE: All lines, valves and chokes are shown at the minimum size allowed, but may be larger

# Lime Rock Resources II-A, L.P.

# Simpson 15B #5

# Unit B, S15-T18S-R26E, Eddy County, NM

### Design: Closed Loop System with roll-off steel bins (pits)

CRI/HOBBS will supply (2) bins (100 bbl) volume, rails and transportation relating to the Close Loop System. Specification of the Closed Loop System is attached.

Contacts: Gary Wallace (432) 638-4076 Cell (575) 393-1079 Office

### Scomi Oil Tool: Supervisor – Armando Soto (432) 553-7979 Hobbs, NM

Monitoring 24 Hour service

Equipment:
- Centrifuges – Derrick Brand
- Rig Shakers – Brandt Brand
- D-watering Unit
- Air pumps on location for immediate remediation process
- Layout of Close Loop System with bins, centrifuges and shakers attached.

Cuttings and associated liquids will be hauled to a State regulated third party disposal site (CRI or Controlled Recovery, Inc.). The disposal site permit is DFP = #R9166.

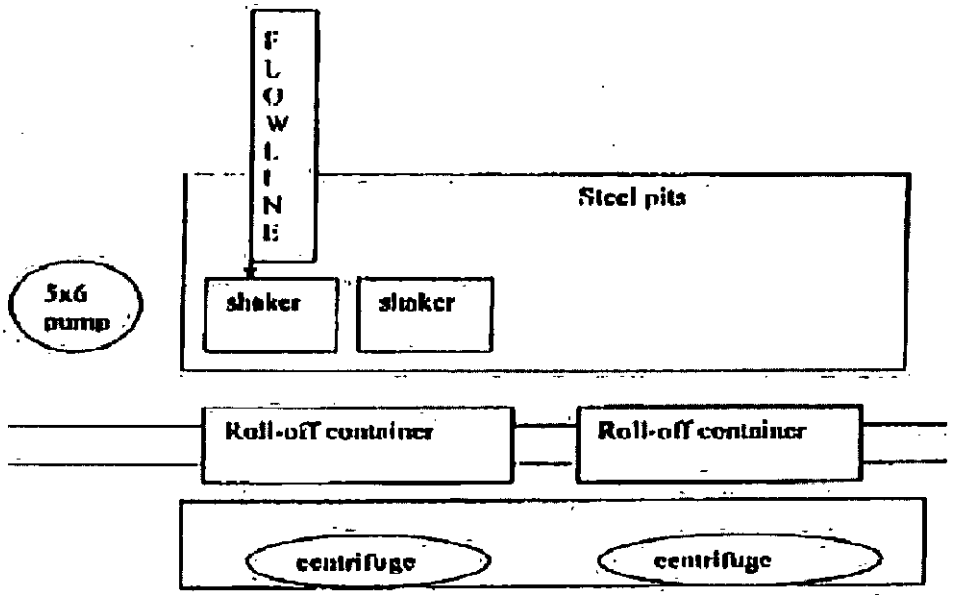
- 2- (250 bbl) tanks to hold fluid
- 2-CRI bins with track system
- 2-500 bbl frac tanks with fresh water
- 2-500 bbl frac tanks for brine water

## Operations:

Closed Loop System equipment will be inspected daily by each tour and any necessary maintenance performed. leak in system will be repaired and/or contained immediately. OCD will be notified within 48 hours of any spill. Remediation process will start immediately.

## Closure:

During drilling operations all liquids, drilling fluids and cuttings will be hauled off via CRI equipment to DFP #R9166.




This will be maintained by 24 hour solids control personnel that stay on location.

TOMMY WILSON
CLS
CLOSED LOOP SPECIALTY
Office: 575.746.1689 Cell: 575.748.6367

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax (575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax (505) 476-3462

# State of New Mexico
# Energy, Minerals and Natural Resources
# Oil Conservation Division
# 1220 S. St Francis Dr.
# Santa Fe, NM 87505

Form APD Conditions

## PERMIT CONDITIONS OF APPROVAL

| Operator Name and Address: | API Number: |
|---|---|
| Lime Rock | 30-015- 43833 |
| | Well: Simpson 15 B |

| OCD Reviewer | Condition |
|---|---|
| kjones | Will require a directional survey with the C-104 |
| kjones | Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string |
| kjones | If cement does not circulate to surface, must run temperature survey or other log to determine top of cement. |

NMOCD CONDITION OF APPROVAL

The *New!* Gas Capture Plan (GCP) notice is posted on the NMOCD website under Announcements. The Plan became effective May 1, 2016. A copy of the GCP form is included with the NOTICE and is also in our FORMS section under Unnumbered Forms. Please review filing dates for all applicable activities currently approved or pending and submit accordingly. Failure to file a GCP may jeopardize the operator's ability to obtain C-129 approval to flare gas after the initial 60-day completion period.