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

Form C-101
Revised July 18, 2013

☒ AMENDED Report

Amended Directional

HOBBS OCD
MAY 03 2016
RECEIVED

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. 1111 Bagby Street, Suite 4600 Houston, Texas 77002	277558 [3] API Number 30-015-40486

[4] Property Code	[5] Property Name	[6] Well No.
39343	Terry 14 C	#2

[7] Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
C	14	18S	26E		185	N	2210	W	Eddy

[8] Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
C	14	18S	26E		330	N	2300	W	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	3315.6
[14] Multiple	**[15] Proposed Depth**	**[16] Formation**	**[17] Contractor**	**[18] Spud Date**
N	4550' MD / 4571' TVD	Yeso	United Drilling, Inc.	After 2/1/2016

Depth to Ground Water:	Distance from nearest fresh water well:	Distance from nearest surface water:
100 Ft.	0.127 Miles	1.84 Miles

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

New APD: 900' 560 sks cement. Top SA 955'

[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	80	Surface
Surface	11"	8-5/8"	24	425	300	Surface
Production	7-7/8"	5-1/2"	17	4571	850	Surface

Casing/Cement Program: Additional Comments

995 sks cement

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: 12/30/2015 Phone: 713-360-5714

OIL CONSERVATION DIVISION

Approved By: R Dade

Denied

Title: Dist. P. Supervisor

Approved Date: 1/13/2016 Expiration Date: 1/13/2018

Conditions of Approval At

SEE ATTACHED FOR EXPLANATION

HOBBS OCD

MAY 03 2016

RECEIVED

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
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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
30-015-40486	3250	Atoka - Glorieta - Yeso

4 Property Code	5 Property Name	6 Well Number
39343	TERRY 14C	2

7 OGRID No.	8 Operator Name	9 Elevation
277558	LIME ROCK RESOURCES II-A, L.P.	3315.6

10 Surface Location

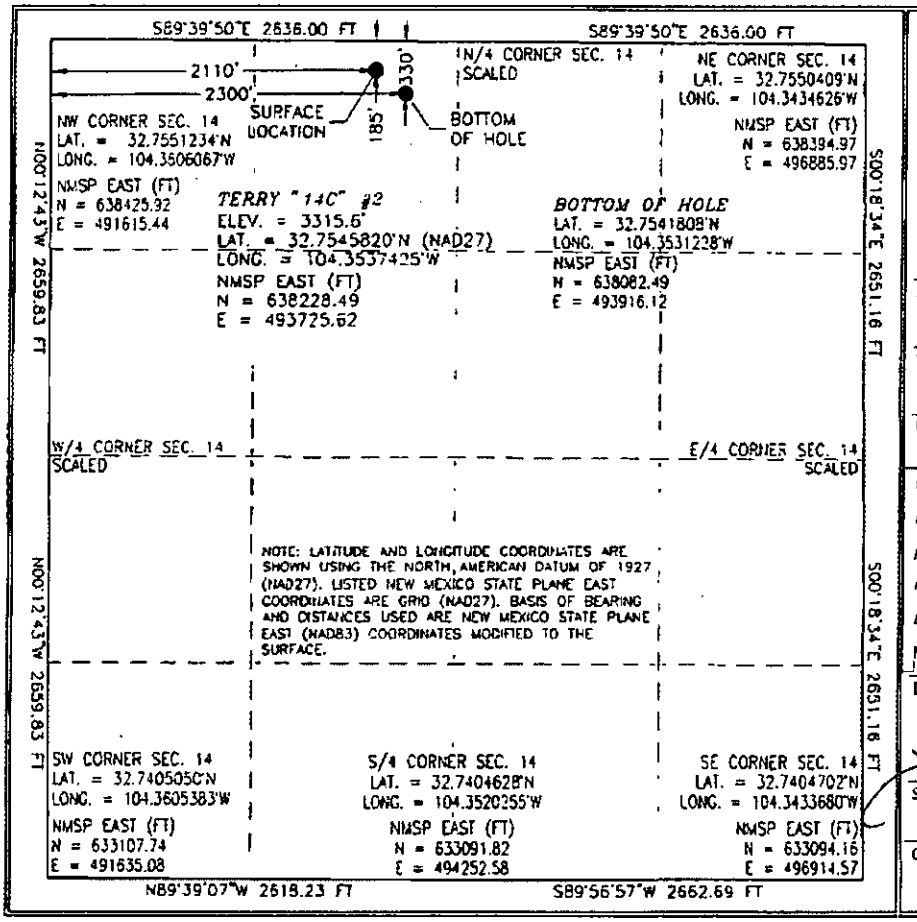
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	14	18 S	26 E		185	NORTH	2110	WEST	EDDY

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
C	14	18 S	26 E		330	NORTH	2300	WEST	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.



16 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. McClusky 12/30/15

Signature Date

Eric McClusky

Printed Name

emcclusky@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.

MAY 26, 2015

Date of Survey

FILEMON F. JARAMILLO NEW MEXICO 12797

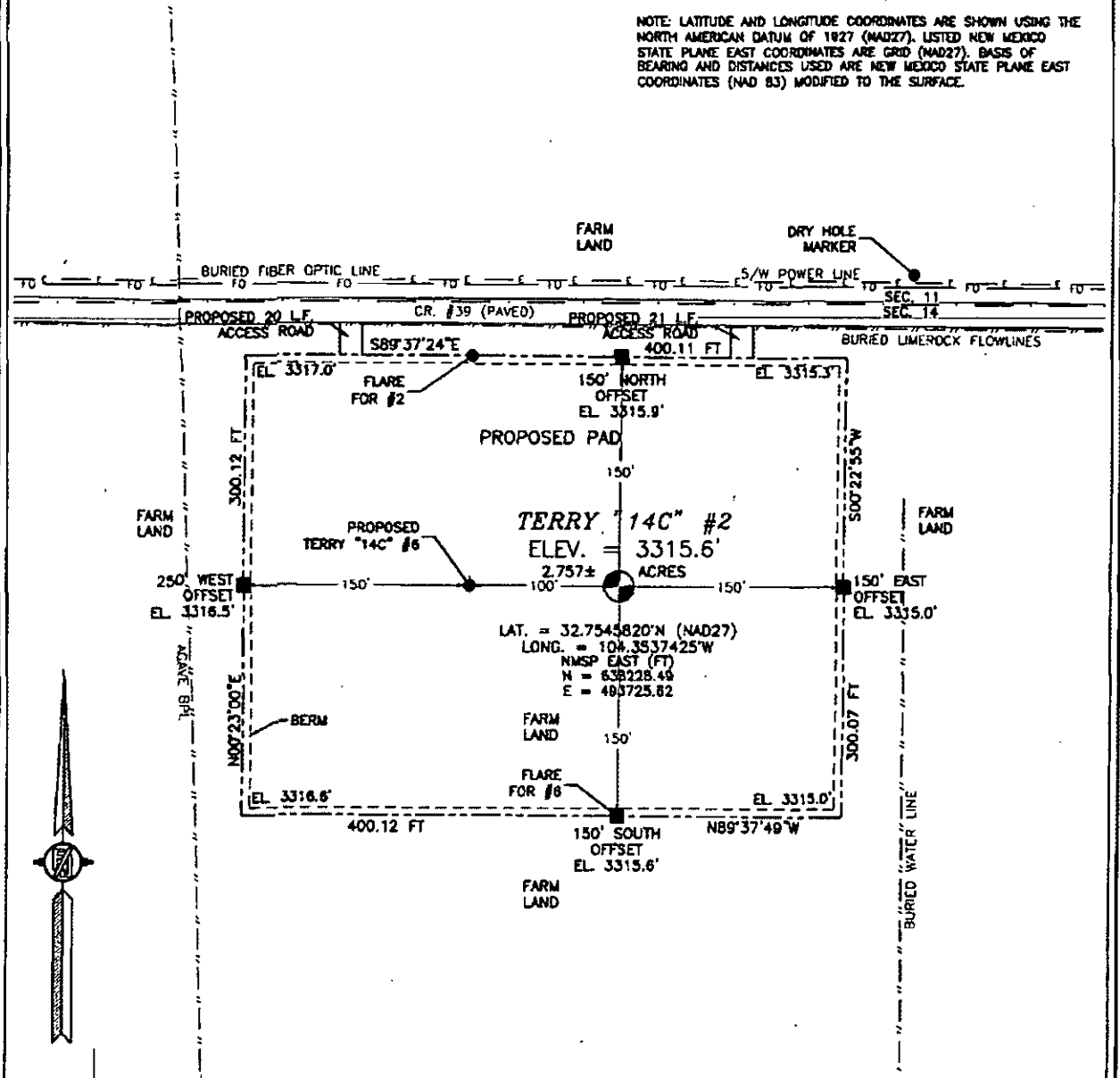
Signature and Seal of Professional Surveyor

Certificate Number: FILEMON F. JARAMILLO, PLS 12797

SURVEY NO. 1100A

SECTION 14, 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 ROAD) AND CR. #38 (FOUR-DINKUS) GO EAST ON CR. #39 0.4 MILE AND NORTH EDGE OF CENTER OF PAD IS 30' SOUTH FOR THIS LOCATION.

LIME ROCK RESOURCES II-A, L.P.
TERRY "14C" #2
LOCATED 185 FT. FROM THE NORTH LINE AND 2110 FT. FROM THE WEST LINE OF SECTION 14, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

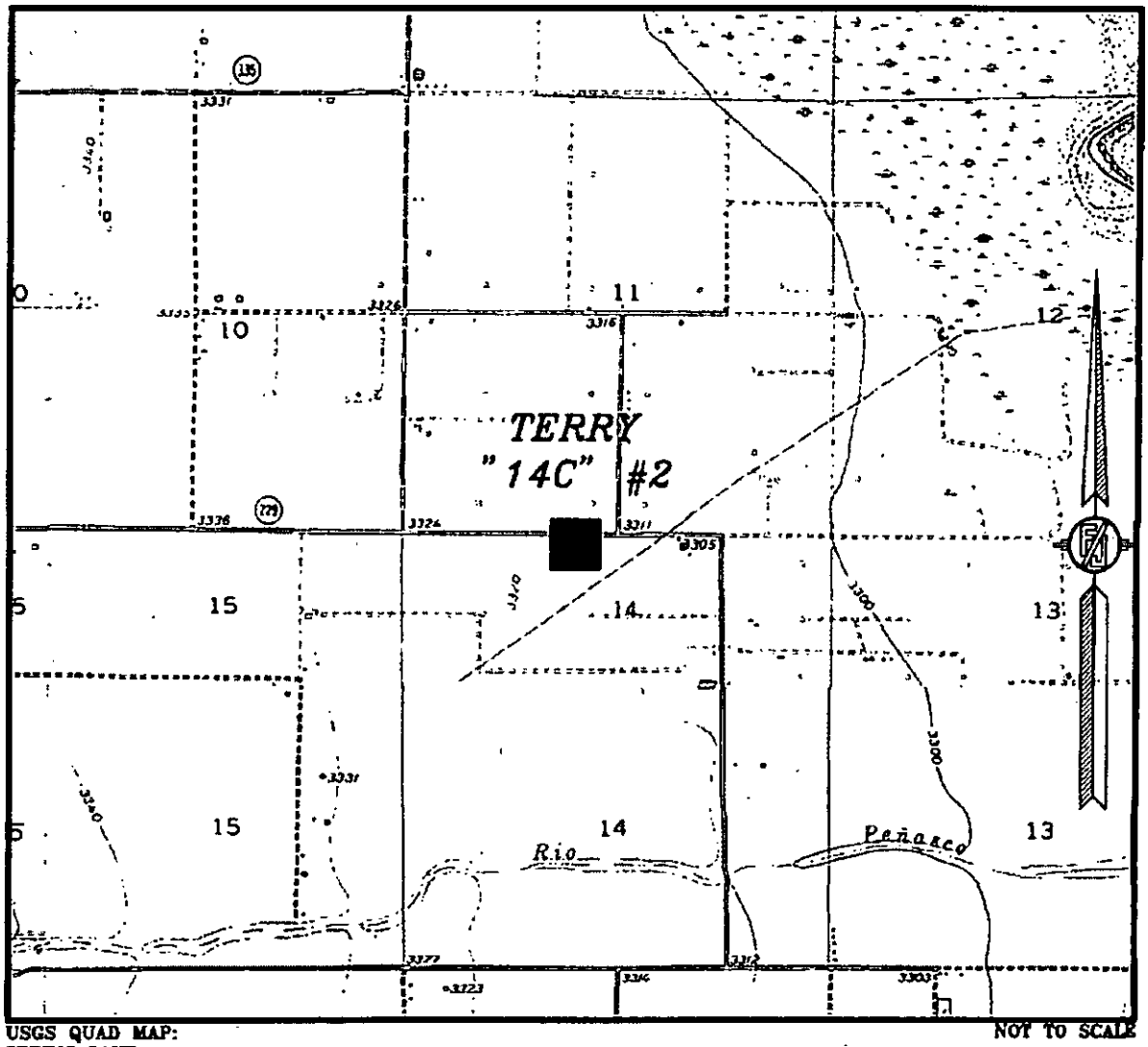
MAY 26, 2015

SURVEY NO. 1100A

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

SECTION 14, 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.
TERRY "14C" #2
LOCATED 185 FT. FROM THE NORTH LINE
AND 2110 FT. FROM THE WEST LINE OF
SECTION 14, TOWNSHIP 18 SOUTH,
RANGE 26 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

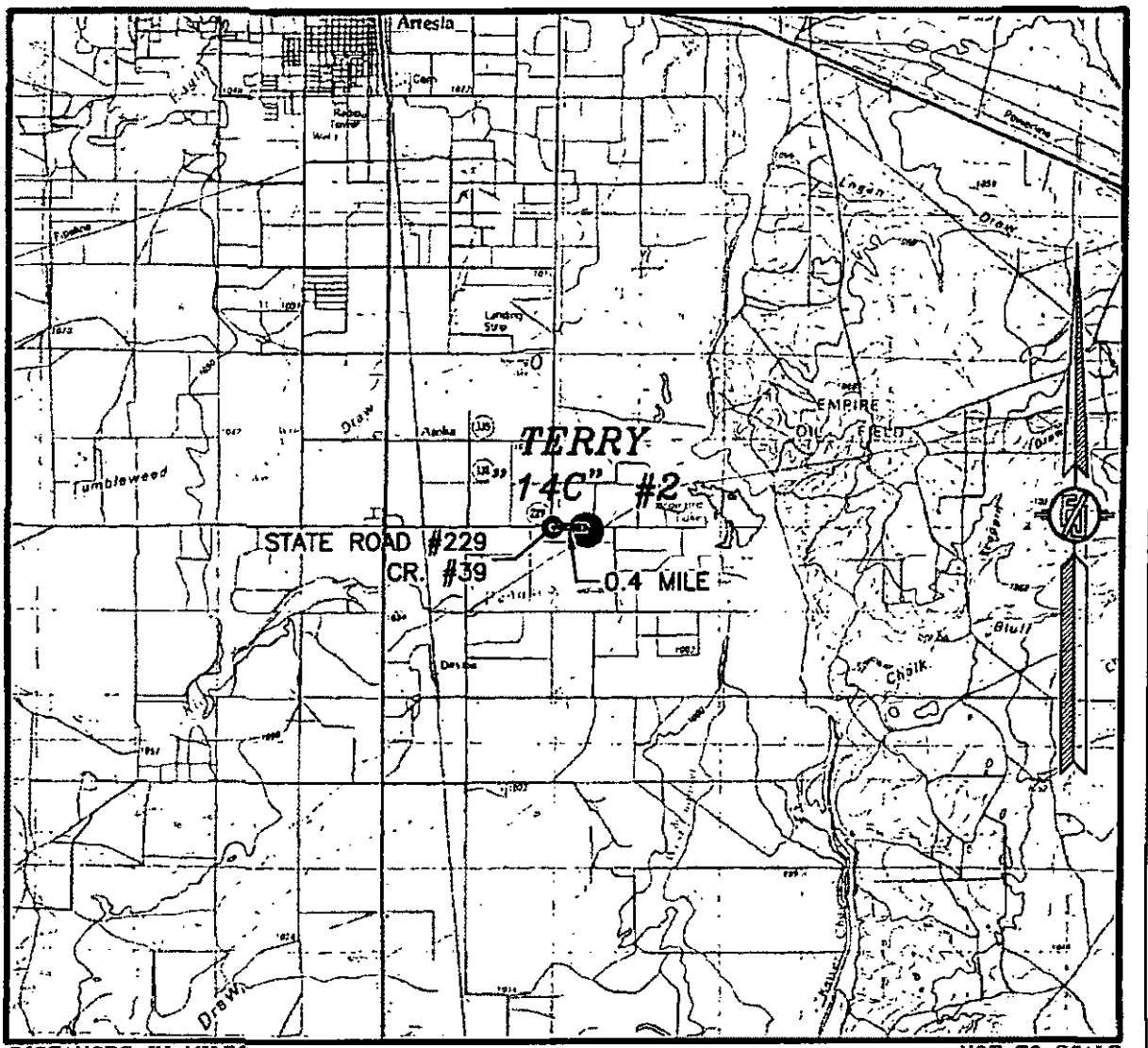
MAY 26, 2015

SURVEY NO. 1100A

MADRON SURVEYING, INC. 501 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 14, 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 ROAD) AND CR. #39 (FOUR-DINKUS) GO EAST ON CR. #39 0.4 MILE AND NORTH EDGE OF CENTER OF PAD IS 30' SOUTH FOR THIS LOCATION.

LIME ROCK RESOURCES II-A, L.P.
TERRY "14C" #2
LOCATED 185 FT. FROM THE NORTH LINE AND 2110 FT. FROM THE WEST LINE OF SECTION 14, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

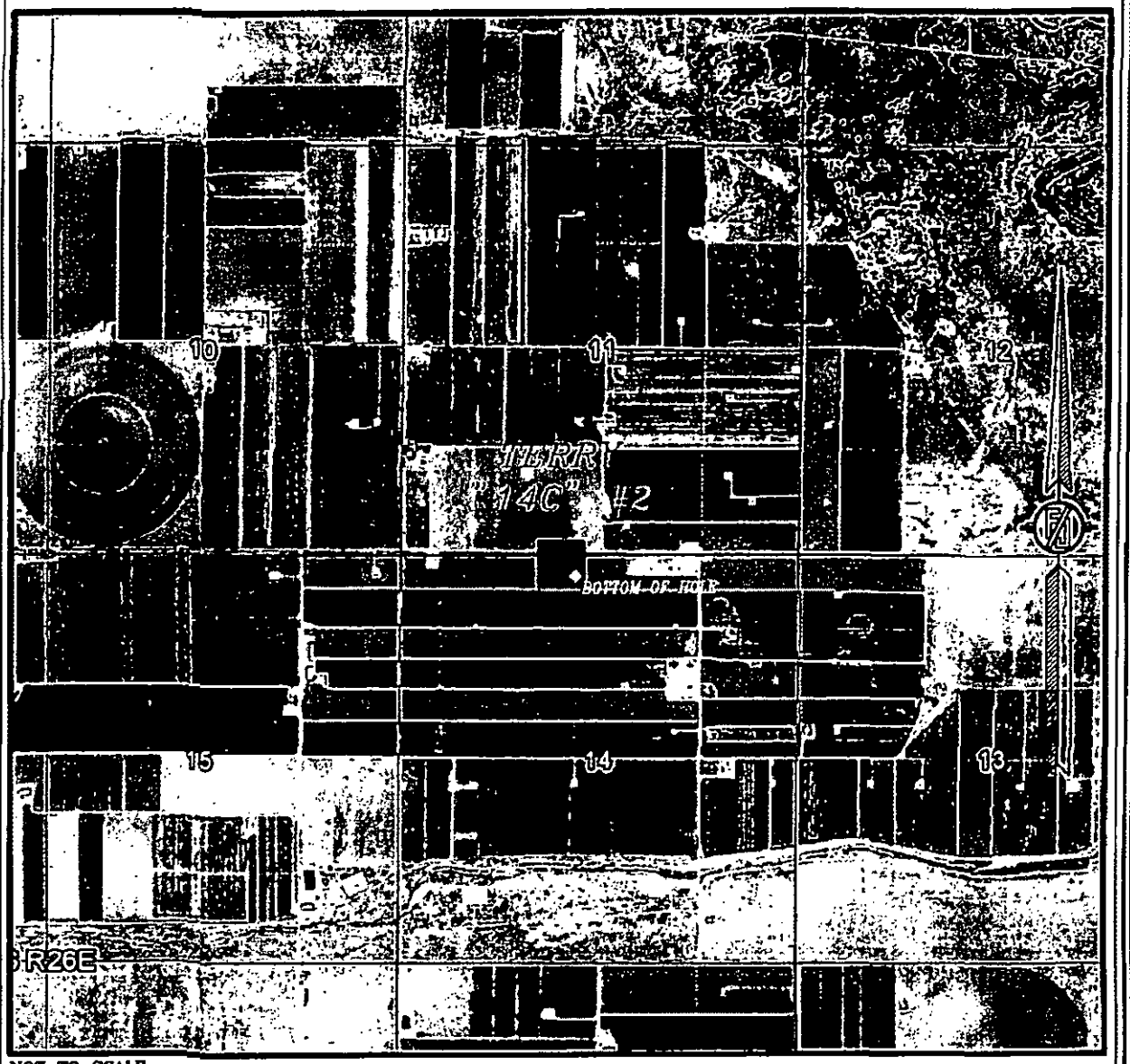
MAY 26, 2015

SURVEY NO. 1100A

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

SECTION 14, 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.
TERRY "14C" #2
LOCATED 185 FT. FROM THE NORTH LINE
AND 2110 FT. FROM THE WEST LINE OF
SECTION 14, TOWNSHIP 18 SOUTH,
RANGE 26 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

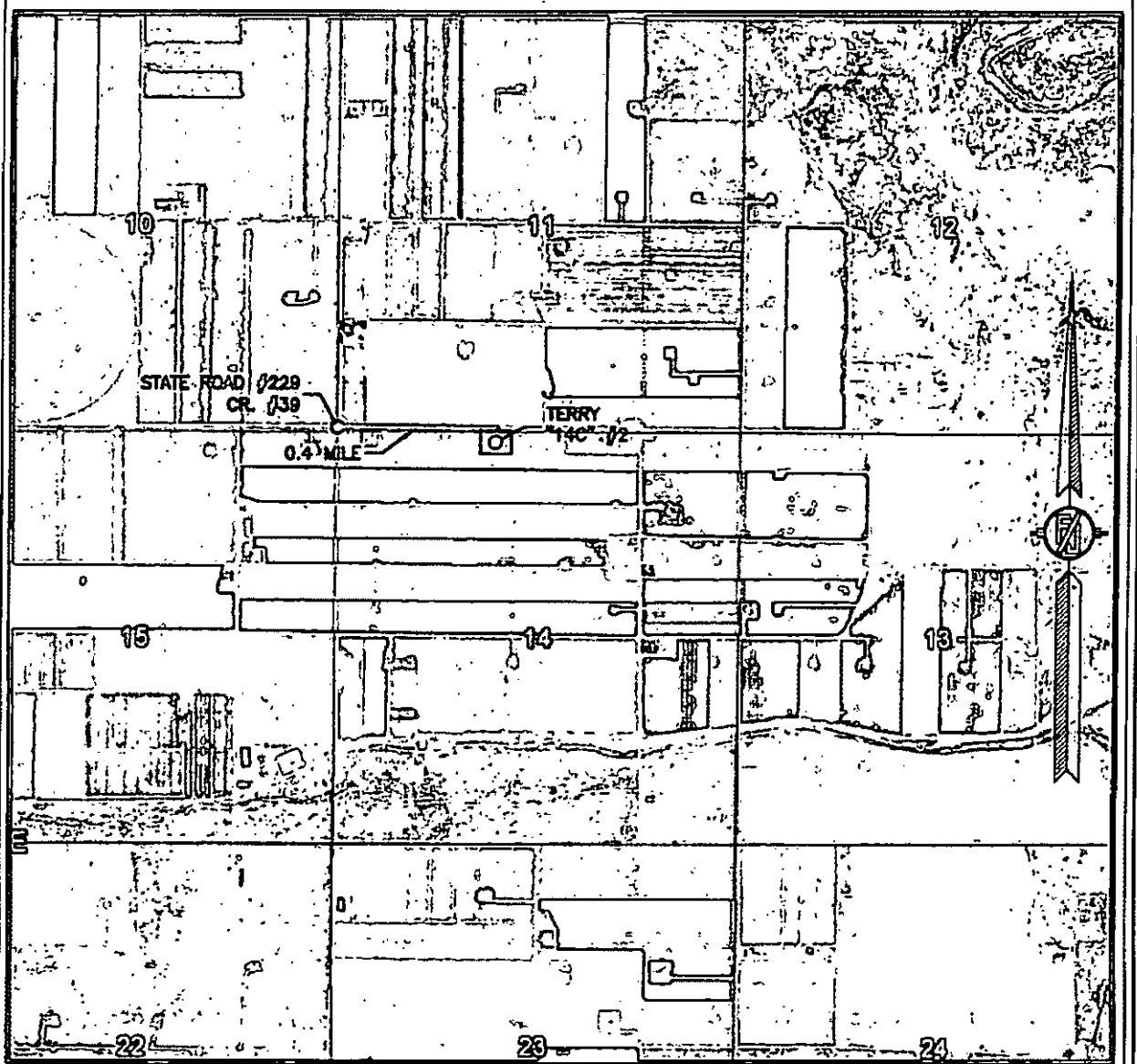
MAY 26, 2015

SURVEY NO. 1100A

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

SECTION 14, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

AERIAL ACCESS ROUTE MAP



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
MAY 2014

LIME ROCK RESOURCES II-A, L.P.
TERRY "14C" #2
LOCATED 185 FT. FROM THE NORTH LINE
AND 2110 FT. FROM THE WEST LINE OF
SECTION 14, TOWNSHIP 18 SOUTH,
RANGE 26 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

MAY 26, 2015

SURVEY NO. 1100A

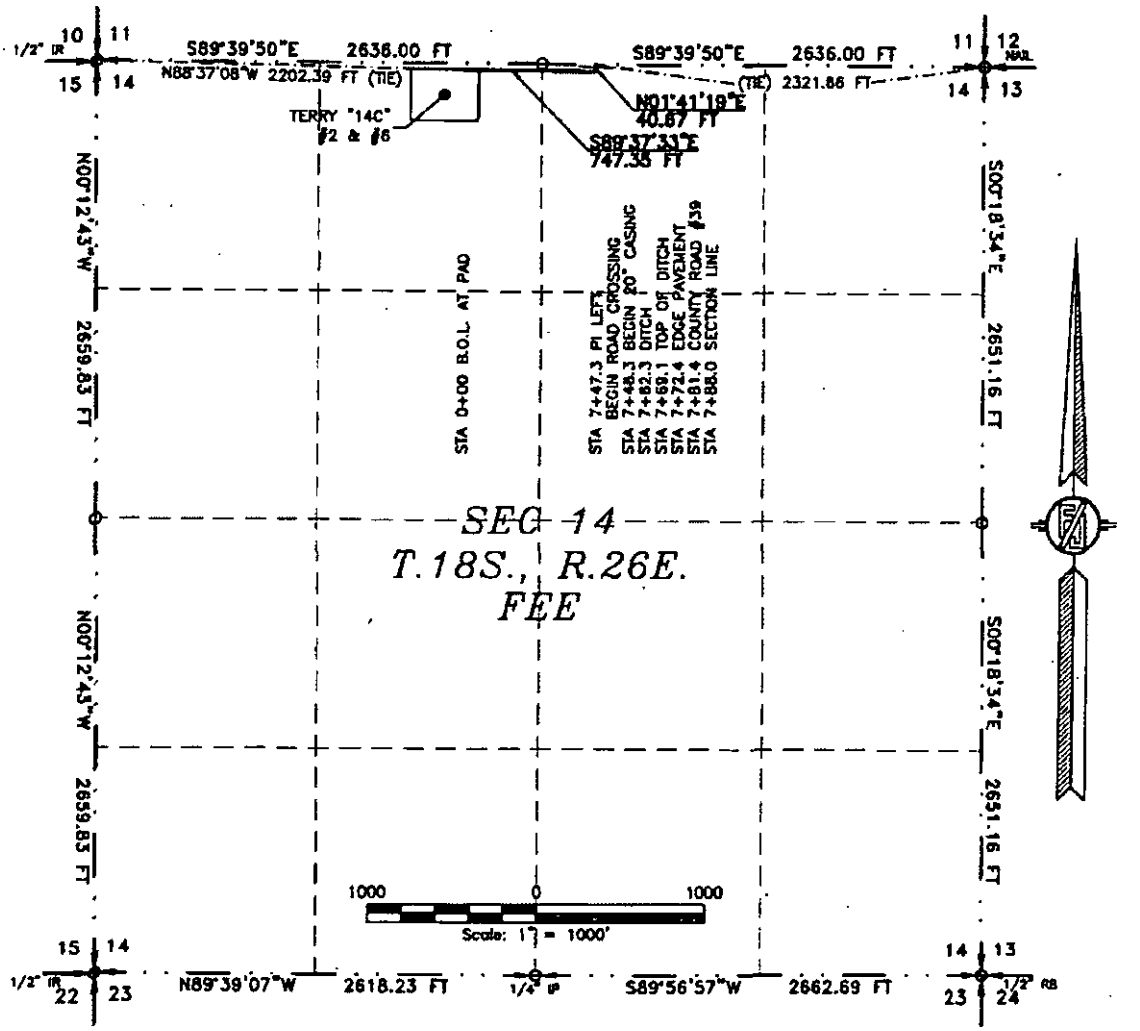
MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

FLOWLINE PLAT

R-O-W FOR FOUR-3" SDR 7 BURIED POLY FLOWLINES FROM TERRY "14C" #2 & #6 TO TERRY "14" BATTERY

LIME ROCK RESOURCES II-A, L.P.

CENTERLINE SURVEY OF A PIPELINE CROSSING
SECTION 14, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
JUNE 19, 2015



SEE NEXT SHEET (2-6) FOR DESCRIPTION

SURVEYOR CERTIFICATE

I, FILIMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY CERTIFY THAT I HAVE CONDUCTED 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 LAND SURVEYING IN THE STATE OF NEW MEXICO.

IN WITNESS WHEREOF, THIS CERTIFICATE IS EXECUTED AT CARLSBAD, NEW MEXICO, THIS 23 DAY OF JUNE 2015.

MADRON SURVEYING, INC.
301 SOUTH CANAL
CARLSBAD, NEW MEXICO 88220
Phone (575) 234-3341

GENERAL NOTES

1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.

2.) BASIS OF BEARING IS NMSP EAST MODIFIED TO SURFACE COORDINATES.

NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR 12797

FILIMON F. JARAMILLO PLS. 12797
301 SOUTH CANAL
(575) 234-3341

FLOWLINE PLAT

R-O-W FOR FOUR-3" SDR 7 BURIED POLY FLOWLINES FROM TERRY "14C" #2 & #8 TO TERRY "14" BATTERY

LIME ROCK RESOURCES II-A, L.P.

CENTERLINE SURVEY OF A PIPELINE CROSSING
SECTION 14, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
JUNE 19, 2015

DESCRIPTION

A STRIP OF LAND 30 FEET WIDE CROSSING FEE LAND IN SECTION 14, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M., EDDY COUNTY, STATE OF NEW MEXICO AND BEING 15 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT WITHIN THE NE/4 NW/4 OF SAID SECTION 14, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M., WHENCE THE NORTHWEST CORNER OF SAID SECTION 14, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M. BEARS N88°37'08"W, A DISTANCE OF 2202.39 FEET;
THENCE S89°37'33"E A DISTANCE OF 747.35 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;
THENCE N01°41'19"E A DISTANCE OF 40.67 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE NORTHEAST CORNER OF SAID SECTION 14, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M. BEARS S89°39'50"E, A DISTANCE OF 2321.66 FEET;

SAID STRIP OF LAND BEING 788.02 FEET OR 47.76 RODS IN LENGTH, CONTAINING 0.543 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

NE/4 NW/4	434.23 L.F.	26.32 RODS	0.299 ACRES
NW/4 NE/4	353.79 L.F.	21.44 RODS	0.244 ACRES

GENERAL NOTES

1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.

2.) BASIS OF BEARING IS NMSP EAST MODIFIED TO SURFACE COORDINATES.

SURVEYOR CERTIFICATE

I, FILIMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY CERTIFY THAT I HAVE CONDUCTED 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 LAND SURVEYING IN THE STATE OF NEW MEXICO.

IN WITNESS WHEREOF, THIS CERTIFICATE IS EXECUTED AT CARLSBAD, NEW MEXICO, THIS 24 DAY OF JUNE 2015

FILIMON F. JARAMILLO PLS 12797

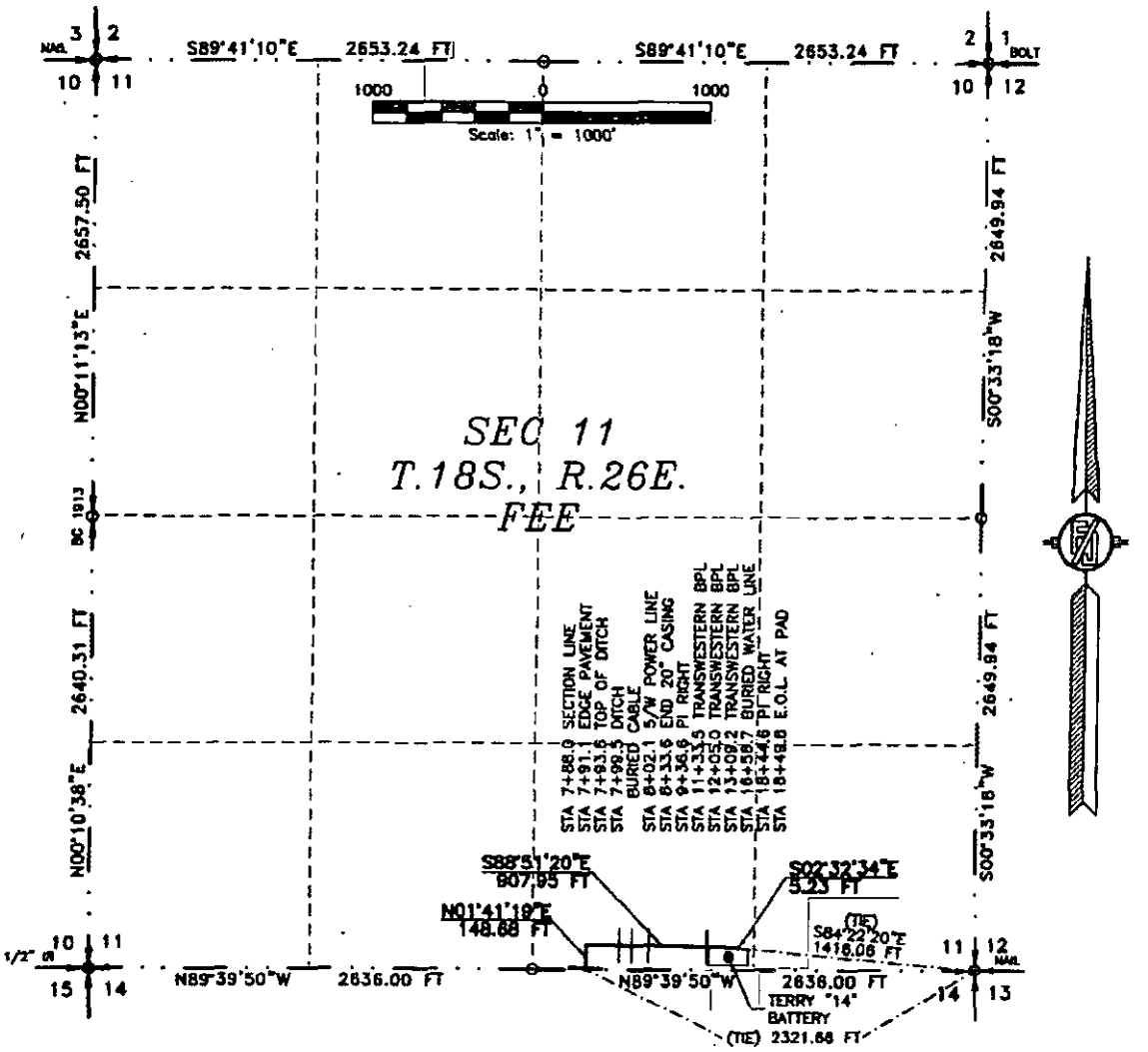
MADRON SURVEYING, INC.
301 SOUTH CANAL
CARLSBAD, NEW MEXICO 88220
Phone (575) 234-3341

FLOWLINE PLAT

R-O-W FOR FOUR-3" SDR 7 BURIED POLY FLOWLINES FROM TERRY "14C" #2 & #6 TO TERRY "14" BATTERY

LIME ROCK RESOURCES II-A, L.P.

CENTERLINE SURVEY OF A PIPELINE CROSSING
SECTION 11, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
JUNE 19, 2015



SEE NEXT SHEET (4-6) FOR DESCRIPTION

SURVEYOR CERTIFICATE

I, FILIMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY CERTIFY THAT I HAVE CONDUCTED 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 LAND SURVEYING IN THE STATE OF NEW MEXICO.

IN WITNESS WHEREOF, THIS CERTIFICATE IS EXECUTED AT CARLSBAD, NEW MEXICO, THIS 22 DAY OF JUNE 2015

FILIMON F. JARAMILLO, PLS 12797

MADRON SURVEYING, INC.
301 SOUTH CANAL
CARLSBAD, NEW MEXICO 88220
Phone (575) 234-3341

GENERAL NOTES

1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.

2.) BASIS OF BEARING IS NMSP EAST MODIFIED TO SURFACE COORDINATES.

FLOWLINE PLAT

R-O-W FOR FOUR-3" SDR 7 BURIED POLY FLOWLINES FROM TERRY "14C" #2 & #6 TO TERRY "14" BATTERY

LIME ROCK RESOURCES II-A, L.P.

CENTERLINE SURVEY OF A PIPELINE CROSSING
SECTION 11, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
JUNE 19, 2015

DESCRIPTION

A STRIP OF LAND 30 FEET WIDE CROSSING FEE LAND IN SECTION 11, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M., EDDY COUNTY, STATE OF NEW MEXICO AND BEING 15 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT WITHIN THE SW/4 SE/4 OF SAID SECTION 11, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M., WHENCE THE SOUTHEAST CORNER OF SAID SECTION 11, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M. BEARS S89°39'50"E, A DISTANCE OF 2321.66 FEET;
THENCE N01°41'19"E A DISTANCE OF 148.68 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;
THENCE S88°51'20"E A DISTANCE OF 907.95 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;
THENCE S02°32'34"E A DISTANCE OF 5.23 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE SOUTHEAST CORNER OF SAID SECTION 11, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M. BEARS S84°22'20"E, A DISTANCE OF 1416.06 FEET;

SAID STRIP OF LAND BEING 1061.86 FEET OR 64.36 RODS IN LENGTH, CONTAINING 0.731 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

SW/4 SE/4	1061.86 L.F.	64.36 RODS	0.731 ACRES

GENERAL NOTES

1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.

2.) BASIS OF BEARING IS NMSP EAST MODIFIED TO SURFACE COORDINATES.

SURVEYOR CERTIFICATE

I, FILIMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY CERTIFY THAT I HAVE CONDUCTED 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 LAND SURVEYING IN THE STATE OF NEW MEXICO.

IN WITNESS WHEREOF, THIS CERTIFICATE IS EXECUTED AT CARLSBAD, NEW MEXICO, THIS 23 DAY OF JUNE, 2015

MADRON SURVEYING, INC.
301 SOUTH CANAL
CARLSBAD, NEW MEXICO 88220
Phone (575) 234-3341

FILIMON F. JARAMILLO PLS 12797

SURVEY NO. 1100A

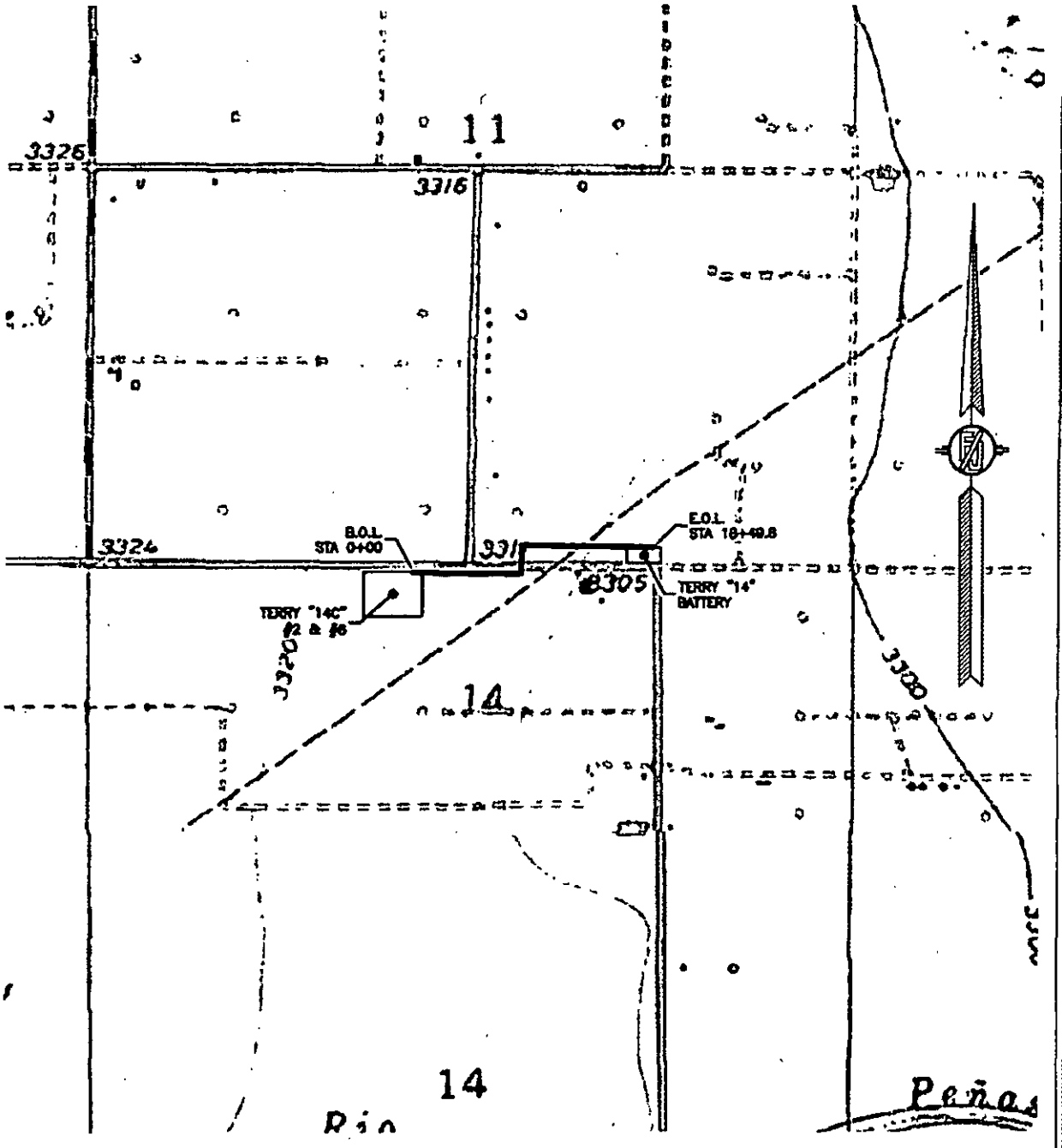
MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

FLOWLINE PLAT

R-O-W FOR FOUR-3" SDR 7 BURIED POLY FLOWLINES FROM TERRY "14C" #2 & #6 TO TERRY "14" BATTERY

LIME ROCK RESOURCES II-A, L.P.

CENTERLINE SURVEY OF A PIPELINE CROSSING
SECTIONS 14 & 11, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
JUNE 19, 2015



SHEET: 5-6

SURVEY NO. 1100A

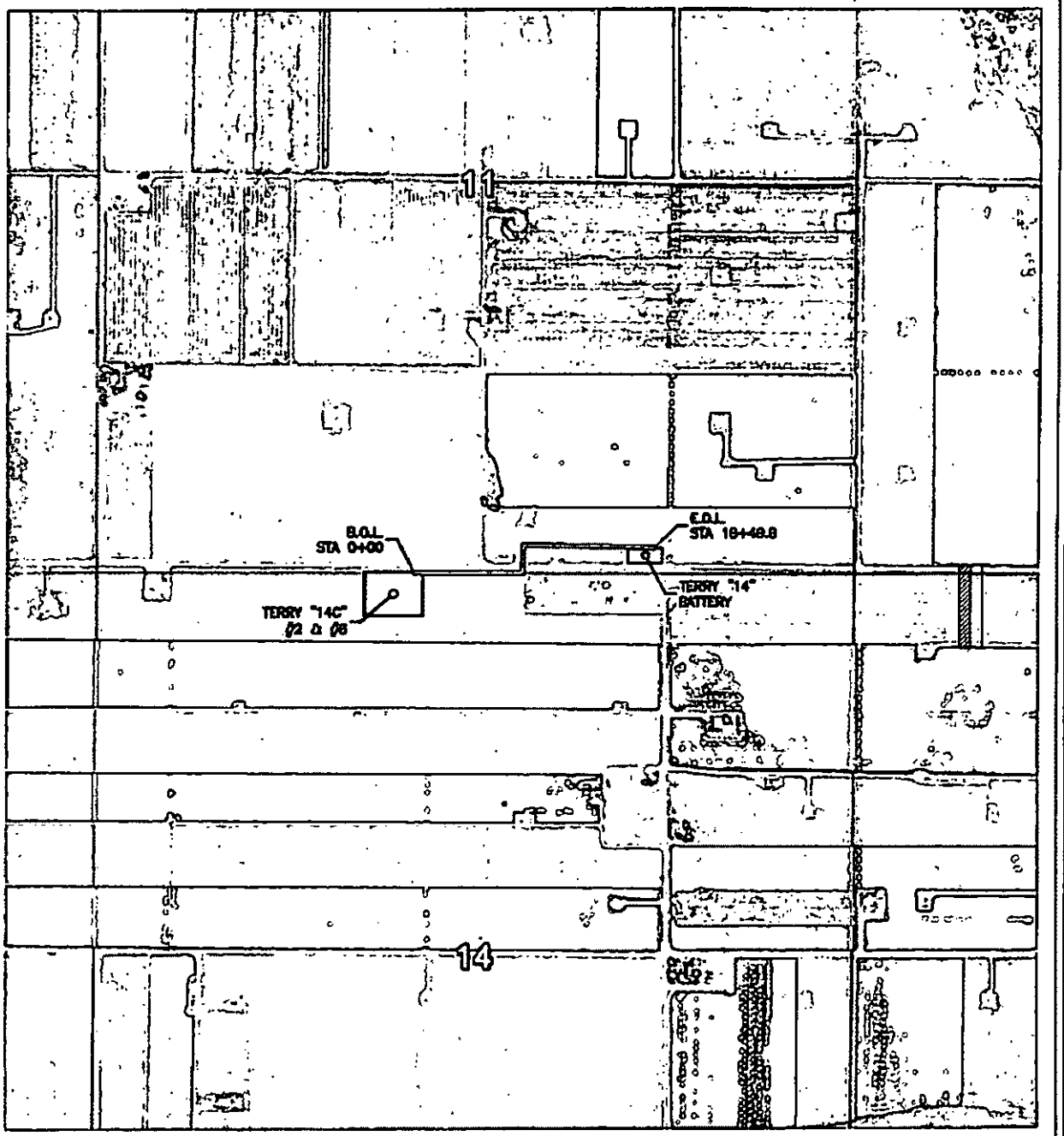
MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

FLOWLINE PLAT

R-O-W FOR FOUR-3" SDR 7 BURIED POLY FLOWLINES FROM TERRY "14C" #2 & #6 TO TERRY "14" BATTERY

LIME ROCK RESOURCES II-A, L.P.

CENTERLINE SURVEY OF A PIPELINE CROSSING
SECTIONS 14 & 11, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
JUNE 19, 2015



SHEET: 6-6

SURVEY NO. 1100A

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

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

Terry 14 C #2
185' FNL 2210' FWL
(C) 14-18S-26E
Eddy County, NM

1. The elevation of the unprepared ground is 3315.6 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 4571' 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 4550' MD./ 4571' 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 500'. 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	244	244
Grayburg	686	686
Premier	NA	NA
San Andres	955	959
Glorieta	2303	2324
Yeso	2421	2442
Tubb	3850	3871
TD	4550	4571

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	244	244
Grayburg	686	686
Premier	NA	NA
San Andres	955	959
Glorieta	2303	2324
Yeso	2421	2442
Tubb	3850	3871
TD	4550	4571

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	80			Ready Mix
Surface	11"	8-5/8"	24	J-55	ST&C	425	300	14.8	1.35	Cl C Cmt + 0.25 lbs/sk Cello Flake + 2% CaCl2
Intermediate										
Production	7-7/8"	5-1/2"	17	J-55	LT&C	4571	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
							650	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	0-425	425-4400	4400-4571
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 4550 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 2002 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.

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

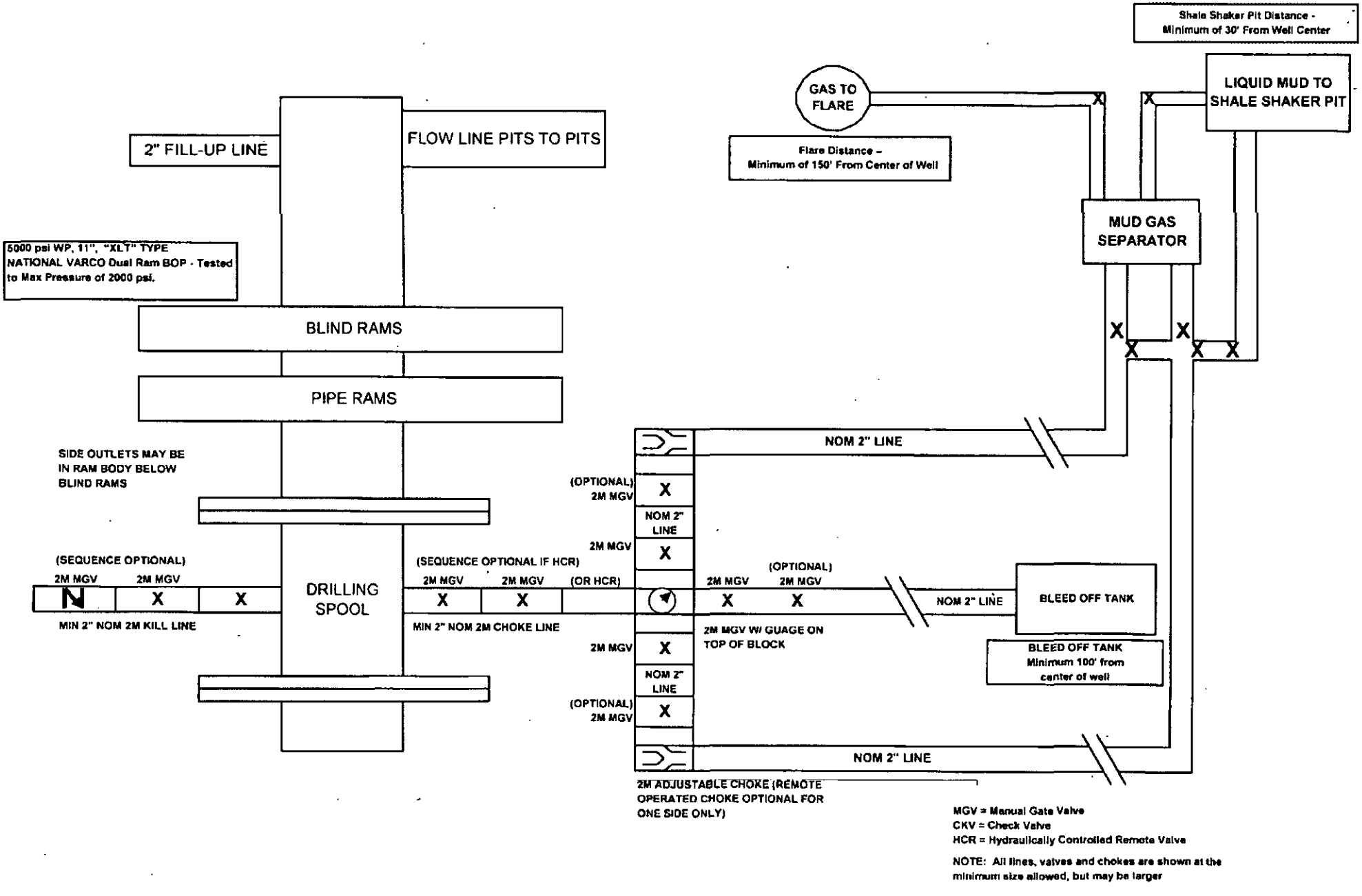
The blowout preventer equipment (BOP) will consist of a 5000 psi rated, "XLT" type, National VARCO double ram preventer that will be tested to a maximum pressure of 2000 psi. The unit will be hydraulically operated and the ram type preventer will be equipped with blind rams on top and drill pipe rams 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.

Terry 14 C #2

Unit C, S14-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.

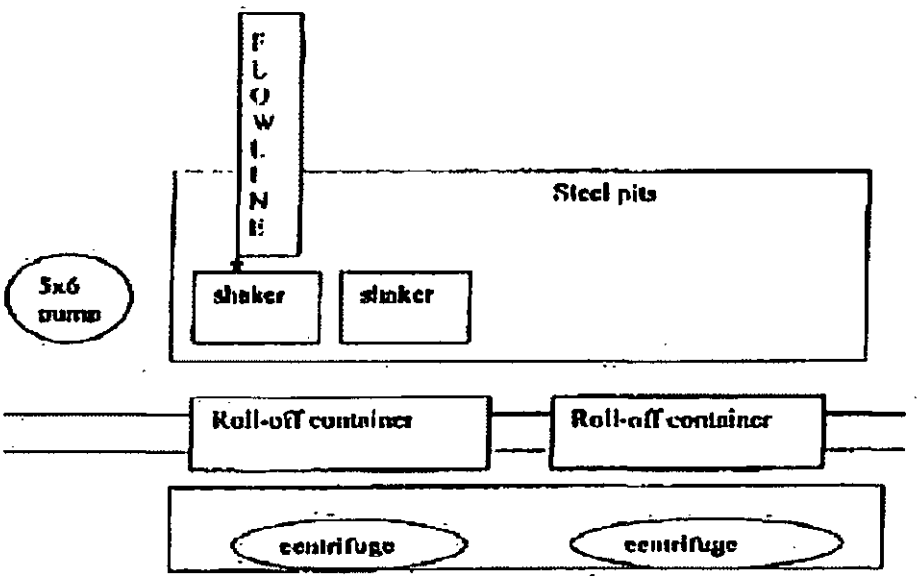
- 2- (250 bbl) tanks to hold fluid
- 2-CRI bins with track system
- 2-500 bbl frac tanks with fresh water
- 2-500 bbl frac tanks for brine water

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

Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

WELL API NO.
30-015-40486

5. Indicate Type of Lease
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

HOBBS OCD

7. Lease Name or Unit Agreement Name
TERRY 14 C

1. Type of Well: Oil Well ☒ Gas Well ☐ Other

8. Well Number #2

MAY 03 2016

2. Name of Operator
LIME ROCK RESOURCES II-A, L.P.

9. OGRID Number 277558

RECEIVED

3. Address of Operator
c/o Mike Pippin LLC, 3104 N. Sullivan, Farmington, NM 87401

10. Pool name or Wildcat
Atoka, Glorieta-Yeso (3250)

4. Well Location
Unit Letter C : 185 feet from the North line and 2110 feet from the West line
Section 14 Township 18-S Range 26-E NMPM Eddy County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3316' GL

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☒	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☒						
OTHER: Extend APD & Directionally Drill	☒			OTHER:	☐		

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

As per our phone conversation on 1/13/16, LIME ROCK RESOURCES II-A, L.P. would like to extend this well's approved APD to ~~7/17/18~~ & directionally drill as per the attached directionally drilling plan. The new bottom hole location will be 330' FNL & 2300' FWL. See the attached C-102.

1-13-18

NM OIL CONSERVATION
ARTESIA DISTRICT
JAN 14 2016
RECEIVED

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

SIGNATURE Mike Pippin TITLE Petroleum Engineer - Agent DATE 1/13/16

Type or print name Mike Pippin E-mail address: mike@pippinllc.com PHONE: 505-327-4573

For State Use Only

APPROVED BY: [signature] TITLE Dist II Supervisor DATE 1/15/2016

Form C101 on file to accommodate well

Accepted for record
NMOCD

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
30-015-40486	3250	ATOKA, GLORIETA-YESO

4 Property Code	5 Property Name	6 Well Number
39343	TERRY 14C	2

7 OGRID No.	8 Operator Name	9 Elevation
277558	LIME ROCK RESOURCES II-A, L.P.	3315.6

10 Surface Location

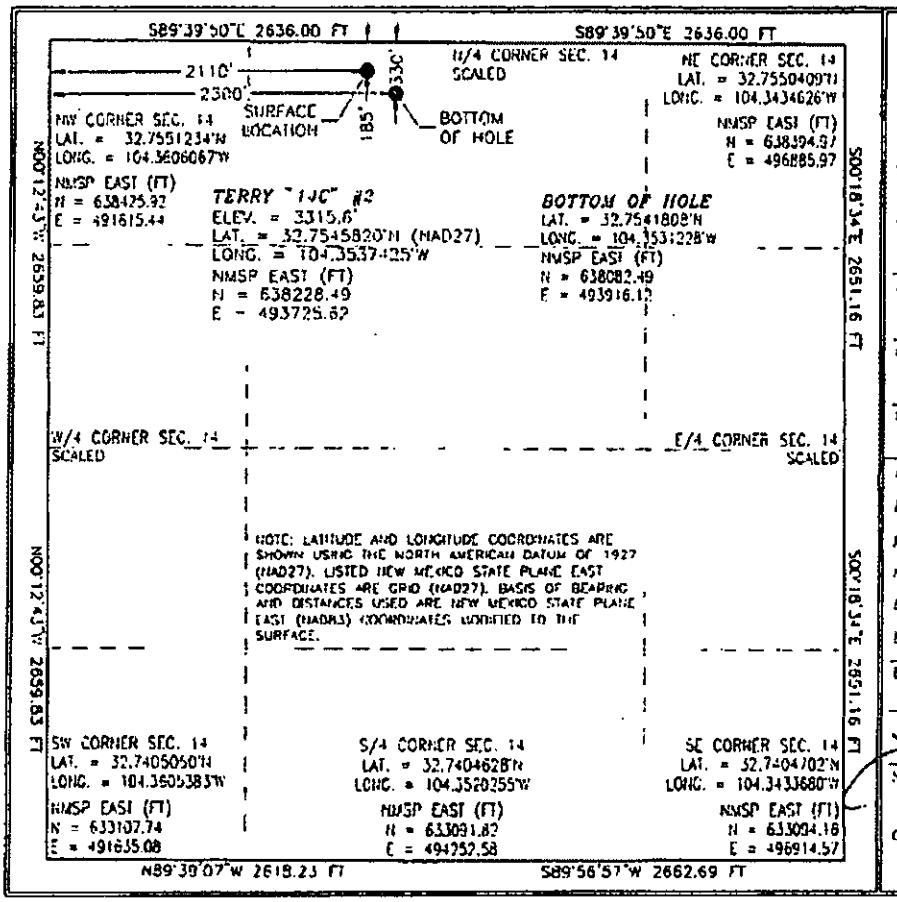
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	14	18 S	26 E		185	NORTH	2110	WEST	EDDY

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
C	14	18 S	26 E		330	NORTH	2300	WEST	EDDY

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



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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Mike Pippin 1/13/16
Signature Date

MIKE PIPPIN
Printed Name

MIKE@PIPPINLLC.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.

MAY 26, 2015
Date of Survey

12797

Signature and Seal of Professional Surveyor

Certificate Number FILIMON F. JARAMILLO, PLS 12797

SURVEY NO. 11000A

CHILDRESS DIRECTIONAL DRILLING

Lime Rock Resources

Eddy County NM (NAD 27)
Terry 14C
#2

Original Hole

Plan: Plan #1

Standard Planning Report

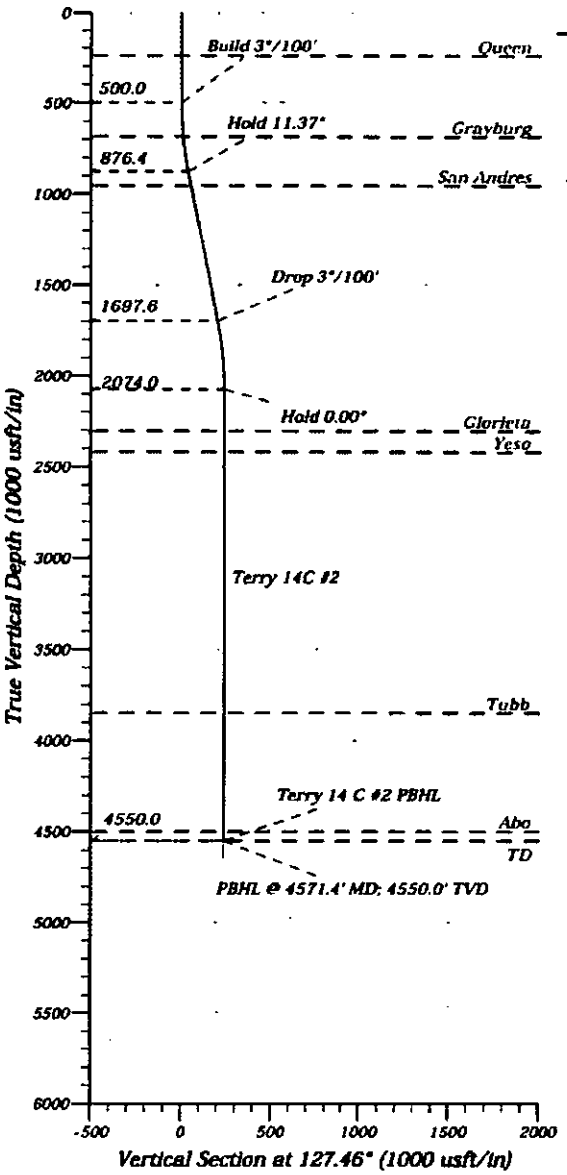
29 December, 2015

LIME ROCK RESOURCES

LIME ROCK RESOURCES

Lime Rock Resources
Eddy County NM (NAD 27)
Terry 14C
#2
Plan #1

CHILDRESS DIRECTIONAL DRILLING



WELL DETAILS: #2

Ground Level: 3315.6 RKB @ 3328.4usft

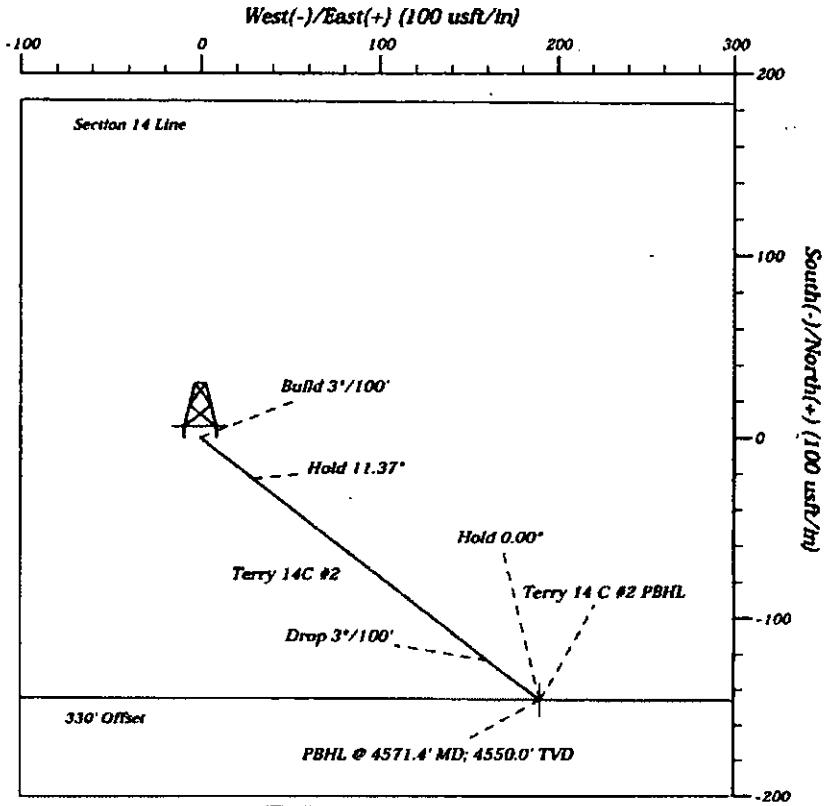
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	638228.49	493725.62	32° 45' 16.495 N	104° 21' 13.473 W

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting
Terry 14 C #2 PBHL	4550.0	-146.0	190.5	638082.49	493916.12

PROJECT DETAILS: Eddy County NM (NAD 27)

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



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
244.0	244.0	Queen
686.0	686.3	Grayburg
855.0	959.1	San Andres
2303.0	2324.4	Glorieta
2421.0	2442.4	Yeso
3850.0	3871.4	Tubb
4500.0	4521.4	Abo
4550.0	4571.4	TD

Azimuths to True North
Magnetic North: 7.51°

Magnetic Field
Strength: 48320.0snT
Dip Angle: 60.44°
Date: 12/29/2015
Model: IGRF2015

To convert a Magnetic Direction to a True Direction, Add 7.51° East
Magnetic North is 7.51° East of True North (Magnetic Declination)

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	
500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.0	Build 3°/100'
878.9	11.37	127.46	876.4	-22.8	29.7	3.00	127.46	37.5	Hold 11.37°
1716.5	11.37	127.46	1697.6	-123.2	160.8	0.00	0.00	202.5	Drop 3°/100'
2095.4	0.00	0.00	2074.0	-146.0	190.5	3.00	180.00	240.0	Hold 0.00°
4571.4	0.00	0.00	4550.0	-146.0	190.5	0.00	0.00	240.0	PBHL @ 4571.4' MD; 4550.0' TVD

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well #2
Company:	Lime Rock Resources	**TVD Reference:**	RKB @ 3328.4usft
Project:	Eddy County NM (NAD 27)	**MD Reference:**	RKB @ 3328.4usft
Site:	Terry 14C	**North Reference:**	True
Well:	#2	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #1		

Project	Eddy County NM (NAD 27)		
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	Terry 14C				
Site Position:		**Northing:**	638,228.49 usft	**Latitude:**	32° 45' 16.495 N
From:	Map	**Easting:**	493,725.62 usft	**Longitude:**	104° 21' 13.473 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	-0.01 °

Well	#2					
Well Position	**+N/-S**	0.0 usft	**Northing:**	638,228.49 usft	**Latitude:**	32° 45' 16.495 N
	+E/-W	0.0 usft	**Easting:**	493,725.62 usft	**Longitude:**	104° 21' 13.473 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	0.0 usft	**Ground Level:**	3,315.6 usft

Wellbore	Original Hole				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2015	12/29/2015	7.51	60.44	48,320

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	127.46	

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	
500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.00	0.00	
878.9	11.37	127.46	876.4	-22.8	29.7	3.00	3.00	0.00	127.46	
1,716.5	11.37	127.46	1,697.6	-123.2	160.8	0.00	0.00	0.00	0.00	
2,095.4	0.00	0.00	2,074.0	-146.0	190.5	3.00	-3.00	0.00	180.00	
4,571.4	0.00	0.00	4,550.0	-146.0	190.5	0.00	0.00	0.00	0.00	Terry 14 C #2 PBHL

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well #2
Company:	Lime Rock Resources	**TVD Reference:**	RKB @ 3328.4usft
Project:	Eddy County NM (NAD 27)	**MD Reference:**	RKB @ 3328.4usft
Site:	Terry 14C	**North Reference:**	True
Well:	#2	**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
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
244.0	0.00	0.00	244.0	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
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
Build 3°/100'									
600.0	3.00	127.46	600.0	-1.6	2.1	2.6	3.00	3.00	0.00
686.3	5.59	127.46	686.0	-5.5	7.2	9.1	3.00	3.00	0.00
Grayburg									
700.0	6.00	127.46	699.6	-6.4	8.3	10.5	3.00	3.00	0.00
800.0	9.00	127.46	798.8	-14.3	18.7	23.5	3.00	3.00	0.00
878.9	11.37	127.46	876.4	-22.8	29.7	37.5	3.00	3.00	0.00
Hold 11.37°									
900.0	11.37	127.46	897.1	-25.3	33.0	41.6	0.00	0.00	0.00
959.1	11.37	127.46	955.0	-32.4	42.3	53.3	0.00	0.00	0.00
San Andres									
1,000.0	11.37	127.46	995.1	-37.3	48.7	61.3	0.00	0.00	0.00
1,100.0	11.37	127.46	1,093.2	-49.3	64.3	81.0	0.00	0.00	0.00
1,200.0	11.37	127.46	1,191.2	-61.3	80.0	100.8	0.00	0.00	0.00
1,300.0	11.37	127.46	1,289.3	-73.3	95.6	120.5	0.00	0.00	0.00
1,400.0	11.37	127.46	1,387.3	-85.2	111.3	140.2	0.00	0.00	0.00
1,500.0	11.37	127.46	1,485.3	-97.2	126.9	159.9	0.00	0.00	0.00
1,600.0	11.37	127.46	1,583.4	-109.2	142.6	179.6	0.00	0.00	0.00
1,700.0	11.37	127.46	1,681.4	-121.2	158.2	199.3	0.00	0.00	0.00
1,716.5	11.37	127.46	1,697.6	-123.2	160.8	202.5	0.00	0.00	0.00
Drop 3°/100'									
1,800.0	8.86	127.46	1,779.8	-132.1	172.4	217.2	3.00	-3.00	0.00
1,900.0	5.86	127.46	1,878.9	-139.9	182.6	230.0	3.00	-3.00	0.00
2,000.0	2.86	127.46	1,978.6	-144.5	188.6	237.6	3.00	-3.00	0.00
2,095.4	0.00	0.00	2,074.0	-146.0	190.5	240.0	3.00	-3.00	-133.61
Hold 0.00°									
2,100.0	0.00	0.00	2,078.6	-146.0	190.5	240.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,178.6	-146.0	190.5	240.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,278.6	-146.0	190.5	240.0	0.00	0.00	0.00
2,324.4	0.00	0.00	2,303.0	-146.0	190.5	240.0	0.00	0.00	0.00
Glorieta									
2,400.0	0.00	0.00	2,378.6	-146.0	190.5	240.0	0.00	0.00	0.00
2,442.4	0.00	0.00	2,421.0	-146.0	190.5	240.0	0.00	0.00	0.00
Yeso									
2,500.0	0.00	0.00	2,478.6	-146.0	190.5	240.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,578.6	-146.0	190.5	240.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,678.6	-146.0	190.5	240.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,778.6	-146.0	190.5	240.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,878.6	-146.0	190.5	240.0	0.00	0.00	0.00
3,000.0	0.00	0.00	2,978.6	-146.0	190.5	240.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,078.6	-146.0	190.5	240.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,178.6	-146.0	190.5	240.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,278.6	-146.0	190.5	240.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,378.6	-146.0	190.5	240.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,478.6	-146.0	190.5	240.0	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well #2
Company:	Lime Rock Resources	**TVD Reference:**	RKB @ 3328.4usft
Project:	Eddy County NM (NAD 27)	**MD Reference:**	RKB @ 3328.4usft
Site:	Terry 14C	**North Reference:**	True
Well:	#2	**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)	Doglog Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,600.0	0.00	0.00	3,578.6	-146.0	190.5	240.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,678.6	-146.0	190.5	240.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,778.6	-146.0	190.5	240.0	0.00	0.00	0.00
3,871.4	0.00	0.00	3,850.0	-146.0	190.5	240.0	0.00	0.00	0.00
Tubb									
3,900.0	0.00	0.00	3,878.6	-146.0	190.5	240.0	0.00	0.00	0.00
4,000.0	0.00	0.00	3,978.6	-146.0	190.5	240.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,078.6	-146.0	190.5	240.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,178.6	-146.0	190.5	240.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,278.6	-146.0	190.5	240.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,378.6	-146.0	190.5	240.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,478.6	-146.0	190.5	240.0	0.00	0.00	0.00
4,521.4	0.00	0.00	4,500.0	-146.0	190.5	240.0	0.00	0.00	0.00
Abo									
4,571.4	0.00	0.00	4,550.0	-146.0	190.5	240.0	0.00	0.00	0.00
PBHL @ 4571.4' MD; 4550.0' TVD - TD									

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
Terry 14 C #2 PBHL - plan hits target center - Point	0.00	0.00	4,550.0	-146.0	190.5	638,082.49	493,916.12	32° 45' 15.051 N	104° 21' 11.242 W

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
244.0	244.0	Queen		0.00	
686.3	686.0	Grayburg		0.00	
959.1	955.0	San Andres		0.00	
2,324.4	2,303.0	Glorieta		0.00	
2,442.4	2,421.0	Yeso		0.00	
3,871.4	3,850.0	Tubb		0.00	
4,521.4	4,500.0	Abo		0.00	
4,571.4	4,550.0	TD		0.00	

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
500.0	500.0	0.0	0.0	Build 3°/100'
878.9	876.4	-22.8	29.7	Hold 11.37°
1,716.5	1,697.6	-123.2	160.8	Drop 3°/100'
2,095.4	2,074.0	-146.0	190.5	Hold 0.00°
4,571.4	4,550.0	-146.0	190.5	PBHL @ 4571.4' MD; 4550.0' TVD

Lime Rock Resources
#2 - Plan #1

Eddy County NM (NAD 27)
Terry 14C
Your Ref:

Measured Depth (ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
0	0	0	0	0	0	0	0
100	0	0	100	0	0	0	0
200	0	0	200	0	0	0	0
300	0	0	300	0	0	0	0
400	0	0	400	0	0	0	0
500	0	0	500	0	0	0	0
600	3	127.456	599.95	-1.59	2.08	2.62	3
700	6	127.456	699.63	-6.36	8.31	10.46	3
800	9	127.456	798.77	-14.3	18.67	23.51	3
878.91	11.367	127.456	876.43	-22.78	29.74	37.46	3
900	11.367	127.456	897.11	-25.31	33.04	41.62	0
1000	11.367	127.456	995.14	-37.3	48.69	61.33	0
1100	11.367	127.456	1093.18	-49.28	64.33	81.04	0
1200	11.367	127.456	1191.22	-61.27	79.98	100.75	0
1300	11.367	127.456	1289.26	-73.26	95.62	120.46	0
1400	11.367	127.456	1387.3	-85.24	111.27	140.17	0
1500	11.367	127.456	1485.34	-97.23	126.92	159.88	0
1600	11.367	127.456	1583.37	-109.22	142.56	179.59	0
1700	11.367	127.456	1681.41	-121.2	158.21	199.3	0
1716.48	11.367	127.456	1697.57	-123.18	160.79	202.55	0
1800	8.862	127.456	1779.78	-132.1	172.43	217.21	3
1900	5.862	127.456	1878.95	-139.89	182.6	230.03	3
2000	2.862	127.456	1978.65	-144.51	188.64	237.63	3
2095.39	0	0	2074	-145.96	190.53	240.01	3
2100	0	0	2078.61	-145.96	190.53	240.01	0
2200	0	0	2178.61	-145.96	190.53	240.01	0
2300	0	0	2278.61	-145.96	190.53	240.01	0
2400	0	0	2378.61	-145.96	190.53	240.01	0
2500	0	0	2478.61	-145.96	190.53	240.01	0
2600	0	0	2578.61	-145.96	190.53	240.01	0
2700	0	0	2678.61	-145.96	190.53	240.01	0
2800	0	0	2778.61	-145.96	190.53	240.01	0

2900	0	0	2878.61	-145.96	190.53	240.01	0
3000	0	0	2978.61	-145.96	190.53	240.01	0
3100	0	0	3078.61	-145.96	190.53	240.01	0
3200	0	0	3178.61	-145.96	190.53	240.01	0
3300	0	0	3278.61	-145.96	190.53	240.01	0
3400	0	0	3378.61	-145.96	190.53	240.01	0
3500	0	0	3478.61	-145.96	190.53	240.01	0
3600	0	0	3578.61	-145.96	190.53	240.01	0
3700	0	0	3678.61	-145.96	190.53	240.01	0
3800	0	0	3778.61	-145.96	190.53	240.01	0
3900	0	0	3878.61	-145.96	190.53	240.01	0
4000	0	0	3978.61	-145.96	190.53	240.01	0
4100	0	0	4078.61	-145.96	190.53	240.01	0
4200	0	0	4178.61	-145.96	190.53	240.01	0
4300	0	0	4278.61	-145.96	190.53	240.01	0
4400	0	0	4378.61	-145.96	190.53	240.01	0
4500	0	0	4478.61	-145.96	190.53	240.01	0
4571.39	0	0	4550	-145.96	190.53	240.01	0

All data are in feet unless otherwise stated. Directions and coordinates are relative to True North.
Vertical depths are relative to RKB. Northings and Eastings are relative to Well.

The Dogleg Severity is in Degrees per 100 feet.
Vertical Section is from Slot and calculated along an Azimuth of 127.456° (True).

Coordinate System is NAD 1927 (NADCON CONUS) US State Plane 1927 (Exact solution), New Mexico East
Central meridian is -104.333°.
Grid Convergence at Surface is -0.011°.

Based upon Minimum Curvature type calculations, at a Measured Depth of 4571.39ft.,
the Bottom Hole Displacement is 240.01ft., in the Direction of 127.456° (True).

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

RECEIVED
JUL 16 2012
NMOCD ARTESIA

Form C-101
Revised December 16, 2011

Permit

original vertical

ORIGINAL

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. 1111 Bagby Street, Suite 4600 Houston, Texas 77042	277558
	[3] API Number 30-015- 40486

[4] Property Code	[5] Property Name	[6] Well No
39343	Terry 14 C	#2

[7] Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
C	14	18S	26E		330	N	2210	W	Eddy

[8] Pool Information

ATOKA ~~Red Lake~~, Glorieta-Yeso	3250 ~~51120~~

Additional Well Information

[9] Work Type	[10] Well Type	[11] Cable/Rotary	[12] Lease Type	[13] Ground Level Elevation
N	O	R	P	3314 9
[14] Multiple	**[15] Proposed Depth**	**[16] Formation**	**[17] Contractor**	**[18] Spud Date**
N	4550	Yeso	United Drilling, Inc	After 07/15/2012

Depth to Ground water 100 Feet	Distance from nearest fresh water well 0 127 Miles	Distance to nearest surface water 1 84 Miles

[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	40	Ready Mix	Surface
Surface	12-1/4"	8-5/8"	24	425	300	Surface
Production	7-7/8"	5-1/2"	17	4550	825	Surface

Casing/Cement Program: Additional Comments

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 the drilling pit will be constructed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☒.

Signature: Sid Ashworth

Printed name: Sid Ashworth

Title: Operations Manager

E-mail Address: sashworth@limerockresources.com

Date: 7/11/12 Phone: 713-292-9561

OIL CONSERVATION DIVISION

Approved By: T. C. Shepard

Title: Geologist

Approved Date: 7/17/2012 Expiration Date: 7/17/2014

Conditions of Approval Attached

District I
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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
30-015-40486	~~51120~~ 3250	~~ATOKA~~ REDLAKE; GLORIETA-YESO

[4] Property Code	[5] Property Name	[6] Well Number
39343	TERRY "14" C	2

[7] OGRID No.	[8] Operator Name	[9] Elevation
277558	LIME ROCK RESOURCES II A, L.P.	3314.9

[10] Surface Location

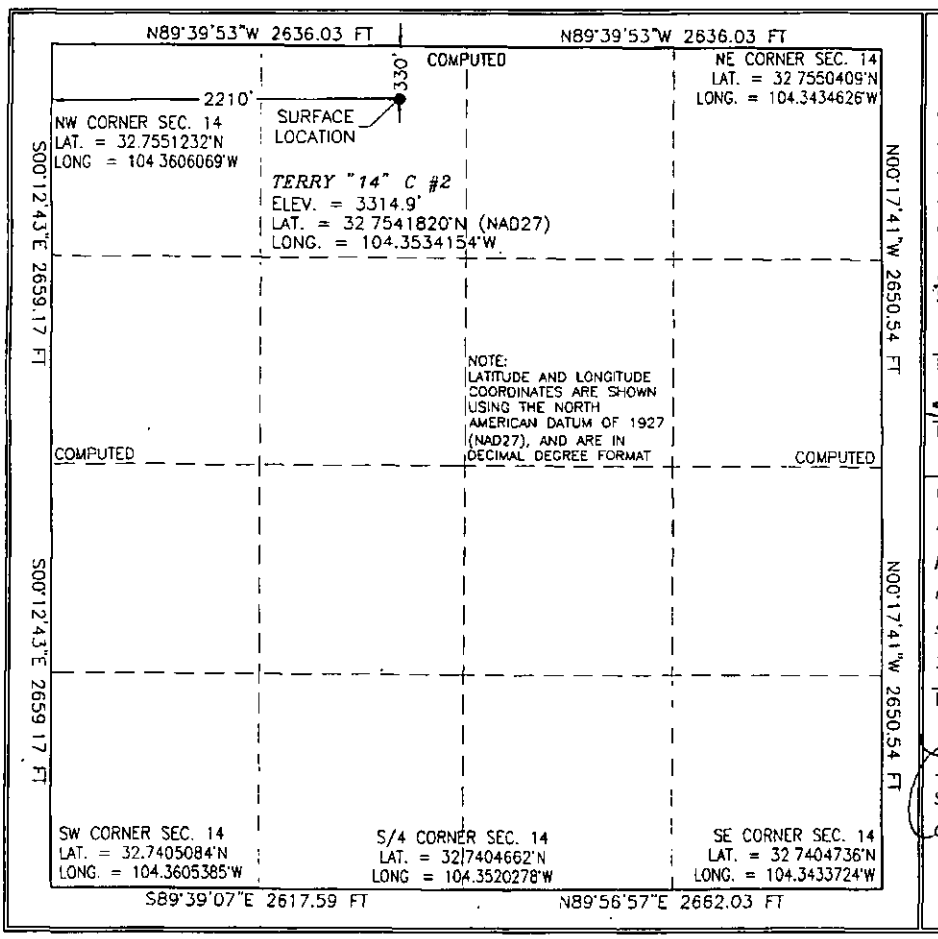
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	14	18 S	26 E		330	NORTH	2210	WEST	EDDY

[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

[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

Signature — Date: 7/11/12

SID ASHWORTH
Printed Name

sashworth@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 16, 2012
Date of Survey

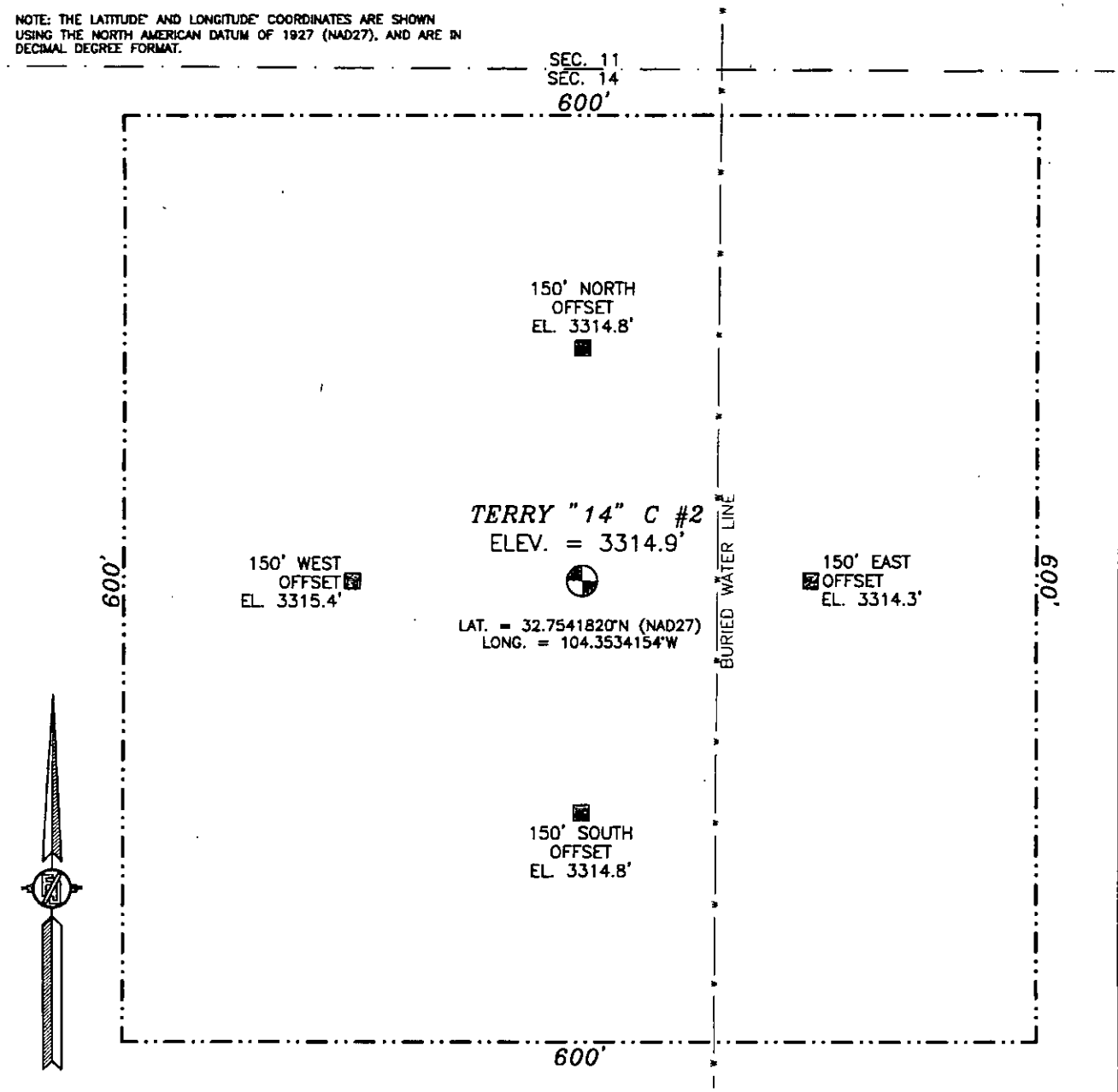
Signature and Seal of Professional Surveyor

Certificate Number FILIMON F. JARAMILLO PLS 12797

FILIMON F. JARAMILLO — NEW MEXICO — REGISTERED LAND SURVEYOR — SURVEY NO. 1100

SECTION 14, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

NOTE: THE LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1927 (NAD27), AND ARE IN DECIMAL DEGREE FORMAT.



010 50 100 200

SCALE 1" = 100'

DIRECTIONS TO LOCATION
FROM PAVED CR. #44 (FANNING) AND PAVED CR. #39 (4-DINKUS) GO WEST ON CR. #39 0.35 MILES AND LOCATION IS ON THE LEFT (SOUTH) 330'

LIME ROCK RESOURCES II-A, L.P.

TERRY "14" C #2

LOCATED 330 FT. FROM THE NORTH LINE AND 2210 FT. FROM THE WEST LINE OF SECTION 14, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M. EDDY COUNTY, STATE OF NEW MEXICO

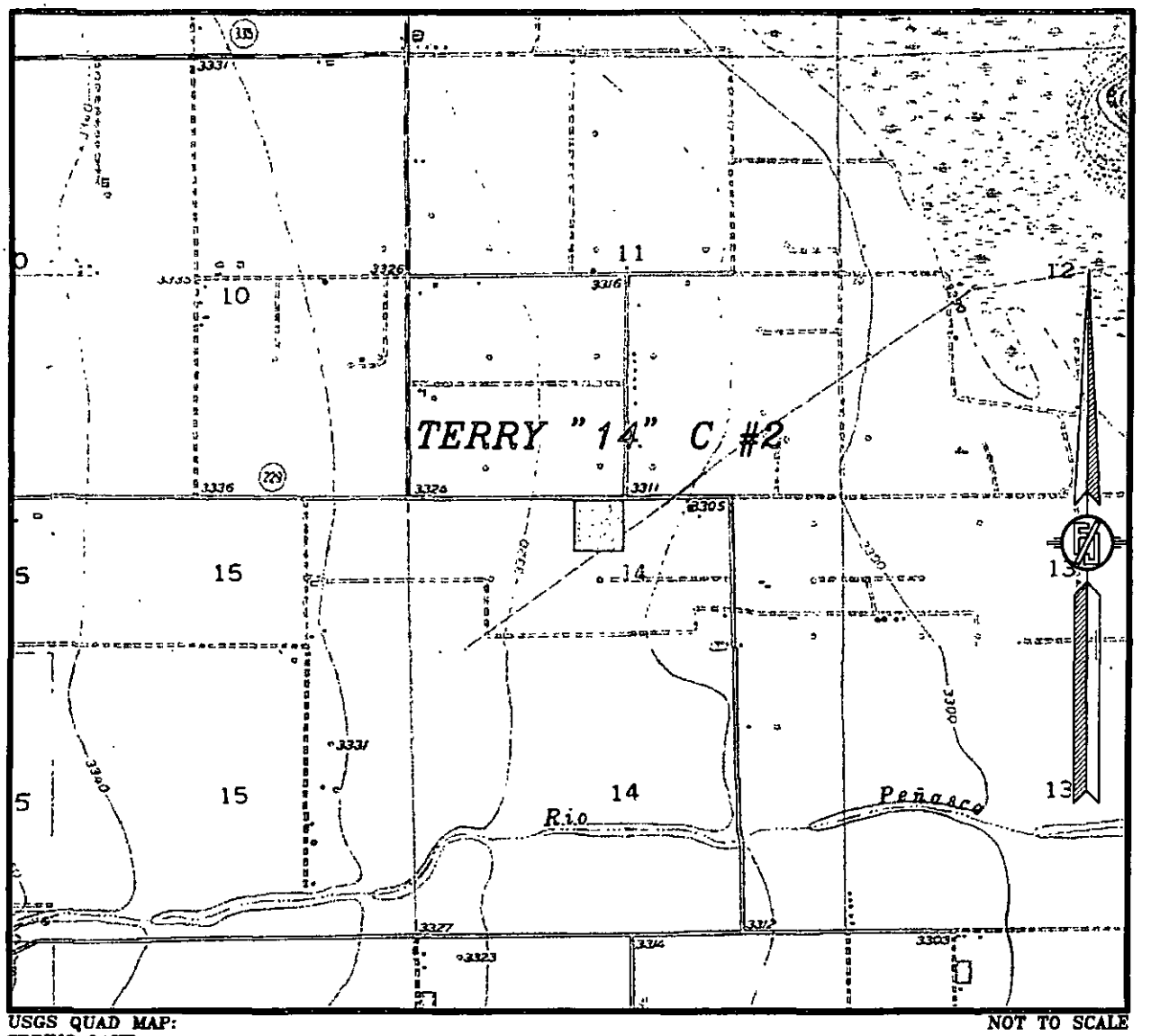
JUNE 16, 2012

SURVEY NO. 1100

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

SECTION 14, 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.

TERRY "14" C #2

LOCATED 330 FT. FROM THE NORTH LINE
AND 2210 FT. FROM THE WEST LINE OF
SECTION 14, TOWNSHIP 18 SOUTH,
RANGE 26 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

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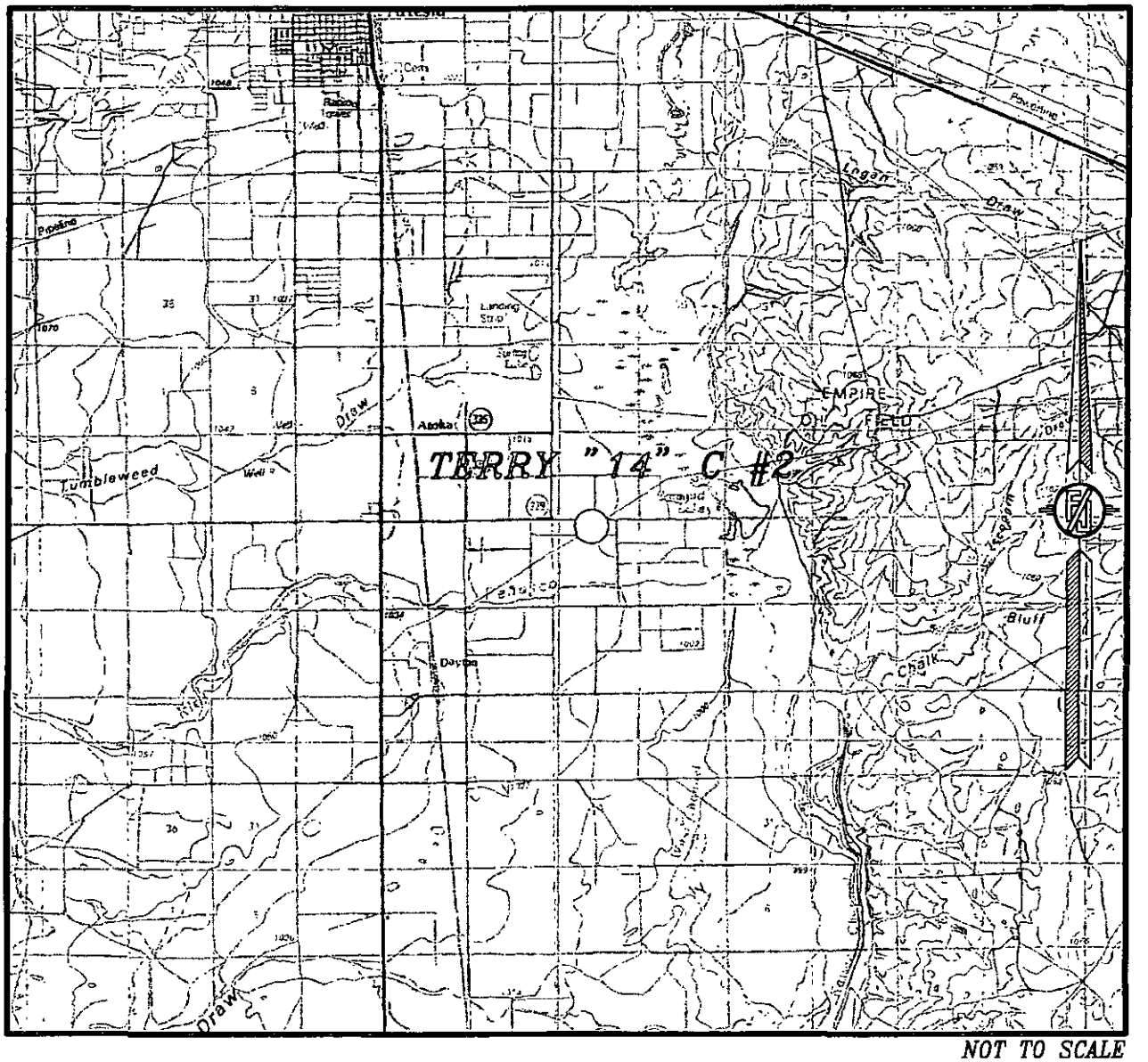
EDDY COUNTY, STATE OF NEW MEXICO

VICINITY MAP



NOT TO SCALE

LIME ROCK RESOURCES II-A, L.P.

TERRY "14" C #2

LOCATED 330 FT. FROM THE NORTH LINE
AND 2210 FT. FROM THE WEST LINE OF
SECTION 14, TOWNSHIP 18 SOUTH,
RANGE 26 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

JUNE 16, 2012

SURVEY NO. 1100

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

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

Terry 14 C #2
330' FNL 2210' FWL
C-S14-T18S-R26E
Eddy County, NM

1. The elevation of the unprepared ground is 3314.9' feet above sea level.
2. The geologic name of the surface formation is Quaternary – Alluvium.
3. A rotary rig will be utilized to the well to 4550' and run casing. This equipment will be rigged down and the well will be completed with a workover rig.
4. Proposed total depth is 4550'.
5. Estimated tops of geologic markers:

Quaternary – Alluvium	Surface
Queen	244
Grayburg	686
San Andres	955
Glorieta	2303
Yeso	2421
Tubb	3850
TD	4550'

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

Queen	244
Grayburg	686
San Andres	955
Glorieta	2303
Yeso	2421
Tubb	3850
TD	4550'

7. Proposed Casing and Cement program is as follows:

Type	Hole Size	Casing Size	Wt.	Grade	Thread	Depth	Sx.	Density	Yield	Components
Conductor	26"	20"	91.5	B	Welded	40				Ready Mix
Surface	12-1/4"	8-5/8"	24	J-55	ST&C	425	300	14.8	1.35	Cl C Cmt + 0.25 lbs/sk Cello Flake + 2% CaCl2
Production	7-7/8"	5-1/2"	17	J-55	LT&C	4550	200	12.8	1.903	35:65 Poz/Cl H w/ 6% Gel, 0.125 lbs/sk Cello Flake, 5 pps LCM-1 and retarder
							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	0-40	40-4250	4250-4550
Mud Type	Fresh Water Mud	Brine	Brine, Salt Gel, & Starch
Properties			
MW	8.5-9.2	9.8-10-1	9.9-10.2
pH	10	10-11.5	11/12/2012
WL	NC	NC	20-30
Vis	28-34	29-32	32-35
MC	NC	NC	<2
Solids	NC	<1	<3
Pump Rate	300-350	375-425	400-450
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 4550 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 2002 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.

Pressure Control Equipment

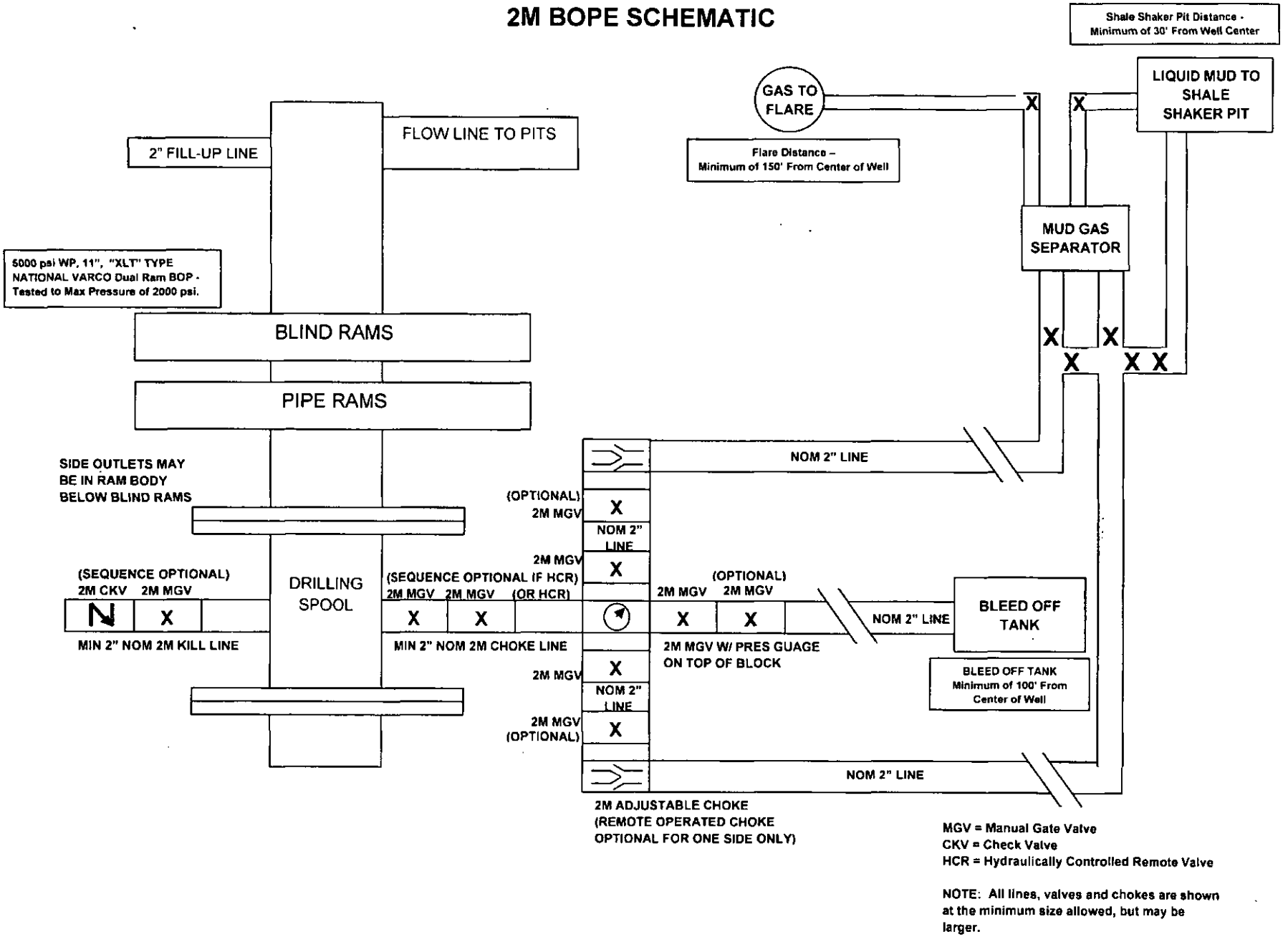
The blowout preventer equipment (BOP) will consist of a 5000 psi rated, 11", "XLT" type, National VARCO double ram preventer that will be tested to a maximum pressure of 2000 psi. The unit will be hydraulically operated and the ram type preventer will be equipped with blind rams on top and drill pipe 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 BOPE 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.

Terry 14 C #2
HYDROGEN SULFIDE (H2S) CONTINGENCY DRILLING PLAN

Assumed 100 ppm ROE = 3000'

100 ppm H2S concentration shall trigger activation of this plan.

This is an open drilling site. H_2S monitoring equipment and emergency response equipment will be rigged up and in use when the company drills out from under surface casing. H_2S monitors, warning signs, wind indicators and flags will be in use.

EMERGENCY PROCEDURES

Escape

Crews shall escape upwind of escaping gas in the event of an emergency release of gas, or if monitors indicate H_2S is present. Escape will take place via the entry road away from the flare stack, or a foot path marked and designated before the well is spud by on site personnel. Once crews and other personnel are a safe distance, the crews will move to evacuate any persons in the Radius of Exposure, followed by blocking access to the Radius of Exposure.

There are no homes or buildings within the Radius of Exposure ("ROE"), so efforts will be concentrated on evacuating any third parties within the ROE. Immediate response will include evacuation of any persons potentially affected by toxic or flammable gasses. Once evacuation is under way, perimeter monitoring and control of access will be executed to ensure safe areas and stage areas.

In the event of a release of gas containing H2S, the first responder(s) must

- Isolate the area and prevent entry by other persons into the 100 ppm ROE.
- Evacuate any public places encompassed by the 100 ppm ROE.
- Be equipped with H2S monitors and air packs in order to control the release.
- Use the "buddy system" to ensure no injuries occur during the response
- Take precautions to avoid personal injury during this operation.
- Contact operator and/or local officials to aid in operation. See list of phone numbers attached.
- Have received training in the
    - Detection of H2S, and
    - Measures for protection against the gas,
    - Equipment used for protection and emergency response.

H2S CONTINGENCY DRILLING PLAN EMERGENCY CONTACTS

Ignition of Gas Source

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (S02). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever this is an ignition of the gas.

Characteristics of H2S and S02

Common Name	Chemical Formula	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Concentration
Hydrogen Sulfide	H_2S	1.189 Air= 1	10 ppm	100 ppm/hr	600 ppm
Sulfur Dioxide	SO_2	2.21 Air= 1	2ppm	N/A	1000 ppm

Contacting Authorities

Lime Rock Resources personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available including directions to site. The following call list of essential and potential responders has been prepared for use during a release. Lime Rock Resources response must be in coordination with the State of New Mexico's "Hazardous Materials Emergency Response Plan" (HMER) and BLM Onshore Order #6.

H_2S Operations

Though no H_2S is anticipated during the drilling operation, this contingency plan will provide for methods to ensure the well is kept under control in the event an H_2S reading of 100 ppm or more are encountered. Once personnel are safe and the proper protective gear is in place and on personnel, the operator and rig crew essential personnel will ensure the well is under control, suspend drilling operations and shut-in the well (unless pressure build up or other operational situations dictate suspending operations will prevent well control), increase the mud weight and circulate all gas from the hole utilizing the mud/gas separator downstream of the choke, the choke manifold and the emergency flare system located 150' from the well. Bring the mud system into compliance and the H_2S level below 10 ppm, then notify all emergency officers that drilling ahead is practical and safe.

Proceed with drilling ahead only after all provisions of Onshore Order 6, Section III.C. have been satisfied.

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 #**
SID ASHWORTH	PRODUCTION ENGINEER	HOUSTON	713-292-9526	713-906-7750	713-783-1959
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 FATHEREE	WELL SITE SUPERVISOR	ROTATES ON SITE	NA	940-389-6044	NA
GARY MCCELLAND	WELL SITE SUPERVISOR	ROTATES ON SITE	NA	903-503-8997	NA

Agency Call List		
City	**Agency or Office**	**Telephone Number**
Artesia	Ambulance	911
Artesia	State Police	575-746-2703
Artesia	Sheriff'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	Sheriff'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 Commission ("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

H2S CONTINGENCY DRILLING PLAN EMERGENCY CONTACTS

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 Huges Inc.	Pumping Service	Artesia, Hobbs and Odessa	575-746-2757	SAME
Total Safety	Safety Equipment and Personnel	Artesia	575-746-2847	SAME
Cutter Oilfield Services	Drilling Systems Equipment	Midland	432-488-6707	SAME
Assurance Fire & Safety	Safety Equipment and Personnel	Artesia	575-396-9702	575-441-2224
Flight 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 13 Street

District I
1625 N. French Dr , Hobbs, NM 88240
District II
811 S. First St , 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
Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144 CLEZ
Revised August 1, 2011

For closed-loop systems *that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure,* submit to the appropriate NMOCD District Office.

Closed-Loop System Permit or Closure Plan Application

(that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)

ORIGINAL

Type of action: [X] Permit [ ] Closure

Instructions: Please submit one application (Form C-144 CLEZ) per individual closed-loop system request. For any application request other than for a closed-loop system that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure, please submit a Form C-144.

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.
Operator: Lime Rock Resources II-A, L.P. OGRID #: 277558
Address: 1111 Bagby Street, Suite 4600 Houston, Texas 77042
Facility or well name: Terry 14 C #2
API Number: 30-015-40486 OCD Permit Number: 213208
U/L or Qtr/Qtr C Section 14 Township 18S Range 26E County: Eddy
Center of Proposed Design: Latitude 32.7541820'N Longitude 104.3534154'W NAD: [X] 1927 [ ] 1983
Surface Owner: [ ] Federal [ ] State [X] Private [ ] Tribal Trust or Indian Allotment

2.
[X] **Closed-loop System:** Subsection H of 19.15.17.11 NMAC
Operation: [X] Drilling a new well [ ] Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) [ ] P&A
[ ] Above Ground Steel Tanks or [X] Haul-off Bins

3.
Signs: Subsection C of 19.15.17.11 NMAC
[ ] 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers
[X] Signed in compliance with 19.15.16.8 NMAC

RECEIVED
JUL 16 2012
NMOCD ARTESIA

4.
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.
[X] Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
[X] Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
[X] Closure Plan (Please complete Box 5) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
[ ] Previously Approved Design (attach copy of design) API Number: _____
[ ] Previously Approved Operating and Maintenance Plan API Number: _____

5.
Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NMAC)
Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.
Disposal Facility Name: Controlled Recovery Inc. Hobbs(R360) Disposal Facility Permit Number: R-9166
Disposal Facility Name: _____ Disposal Facility Permit Number: _____
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that *will not* be used for future service and operations?
[ ] Yes (If yes, please provide the information below) [X] No

Required for impacted areas which will not be used for future service and operations:
[ ] Soil Backfill and Cover Design Specifications - - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
[ ] Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
[ ] Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

6.
Operator Application Certification:
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.
Name (Print): Sid Ashworth Title: Operations Manager
Signature: _____ Date: 7/11/12
e-mail address: sashworth@limerockresources.com Telephone: 713-292-9561

7.
OCD Approval: ☒ Permit Application (including closure plan) ☐ Closure Plan (only)

OCD Representative Signature: Dade **Approval Date:** 7/17/2012

Title: DIST II Supervisor **OCD Permit Number:** 213208

8.
Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC

Instructions: ***Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.***

☐ **Closure Completion Date:** _____

9.
Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:

Instructions: ***Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.***

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Were the closed-loop system operations and associated activities performed on or in areas that *will not* be used for future service and operations?

☐ Yes (If yes, please demonstrate compliance to the items below) ☐ No

Required for impacted areas which will not be used for future service and operations.

☐ Site Reclamation (Photo Documentation)
☐ Soil Backfilling and Cover Installation
☐ Re-vegetation Application Rates and Seeding Technique

10.
Operator Closure Certification:

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): _____ Title: _____

Signature: _____ Date: _____

e-mail address: _____ Telephone: _____

Lime Rock Resources II-A, L.P.

Terry 14 C #2

UNIT C, S14-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.

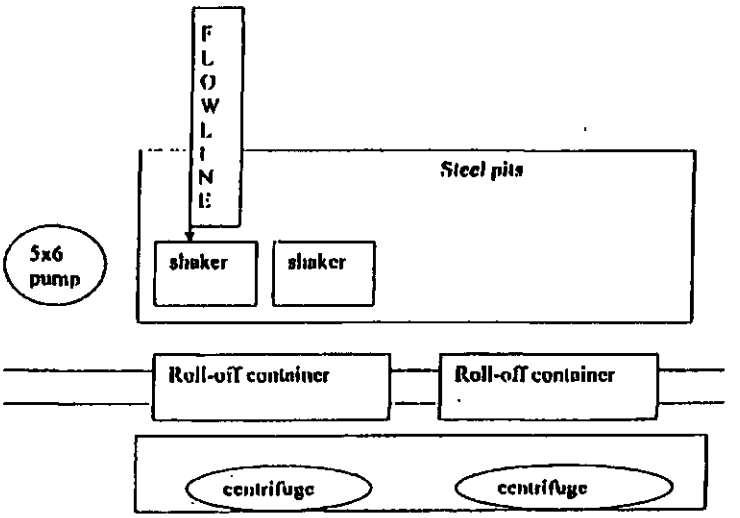
- 2- (250 bbl) tanks to hold fluid
- 2-CRI bins with track system
- 2-500 bbl frac tanks with fresh water
- 2-500 bbl frac tanks for brine water

Operations:

Closed Loop System equipment will be inspected daily by each tour and any necessary maintenance performed. Any 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: 575.748.6167

# Cross Section	Well	API #	Location	Spud	Surface Csg	Intermediate Csg	Production Csg	Perforations	Shallowest Mudlog Show	SA Top
1	Orleans 25-1	30-015-35260	Sec 25-T18S-R26E Unit B	3/25/2007	13 3/4" 54.5# J55 at 424'	9 5/8" 40# J55 at 1362'	5 1/2" 17# N80 at 9616'	Morrow 9024'-9260', Strawn 8741'-8754'	1028'	1365'
2	Everest Estate 15P Fee #1	30-015-40521	Sec 15-T18S-R26E Unit P	8/9/2012	8 5/8" 24# J55 at 433'	NA	5 1/2" 17# J55 at 4310'	Yeso 2548'-3954'	1100'	925'
3	Everest 14N #8	30-015-40488	Sec 14-T18S-R26E Unit N	1/30/2013	8 5/8" 24# J55 at 437'	NA	5 1/2" 17# J55 at 4315'	Yeso 2506'-3945'	1280'	980'
4	Mcnatt-Vandergriff 14P #2	30-015-40489	Sec 14-T18S-R26E Unit P	9/15/2012	8 5/8" 24# J55 at 536'	NA	5 1/2" 17# J55 at 4293'	Yeso 2870'-4209'	1315'	1045'
5	Vandergriff 13M #1	30-015-40493	Sec 13-T18S-R26E Unit M	5/23/2013	8 5/8" 24# J55 at 428'	NA	5 1/2" 17# J55 at 4286'	Yeso 2709'-4108'	1740'	1100'
6	Waldrop 13O #2	30-015-40494	Sec 13-T18S-R26E Unit O	5/15/2013	8 5/8" 24# J55 at 443'	NA	5 1/2" 17# J55 at 4350'	Yeso 2732'-4172'	1260'	1155'
7	Waldrop 13P Fee #1	30-015-39429	Sec 13-T18S-R26E Unit P	1/25/2012	13 3/8" 48# H40 at 255'	8 5/8" 24#J55 at 1565'	5 1/2" 17# J55 at 4272'	Yeso 3050'-4226'	1020'	1170'
8	Fanning 13J #1	30-015-40484	Sec 13-T18S-R26E Unit J	9/30/2012	8 5/8" 24# J55 at 446'	NA	5 1/2" 17# J55 at 4308'	Yeso 3040'-4152'	740'	1105'
9	Simpson 15A #1	30-015-35095	Sec 15-T18S-R26E Unit A	3/5/2007	8 5/8" 24# J55 at 880'	NA	5 1/2" 15.5# J55 at 3505'	Yeso 2420'-3201'	1155'	950'
10	Leavitt 13C #1	30-015-40482	Sec 13-T18S-R26E Unit C	8/31/2014	8 5/8" 24# J55 at 459'	NA	5 1/2" 17# J55 at 4703'	Yeso 3018'-4498'	1300'	1010'
11	Higgins Trust 13A #2	30-015-40977	Sec 13-T18S-R26E Unit A	8/7/2013	8 5/8" 24# J55 at 405'	NA	5 1/2" 17# J55 at 4308'	Yeso 3025'-4034'	1270'	1040'
12	Hawk 8N Federal #21	30-015-34964	Sec 8-T18S-R27E Unit N	7/3/2006	8 5/8" 24# J55 at 412'	NA	5 1/2" 15.5# J55 at 3410'	Yeso 2844'-3145'; SA 1829'-2595'	1200'	1200'
13	Hawk 8K Federal #14	30-015-34336	Sec 8-T18S-R27E Unit K	5/22/2006	8 5/8" 24# J55 at 445'	NA	5 1/2" 15.5# J55 at 3515'	Yeso 2748'-3045'; SA 1516'-2206'	1090'	1220'
14	Brainard 11G #3	30-015-35744	Sec 11-T18S-R26E Unit G	11/7/2007	8 5/8" 24# J55 at 950'	NA	5 1/2" 15.5# J55 at 3799'	Yeso 2401'-3331'	1320'	990'
Drill Order	Well	API #	Location	APD Approved	Surface Csg	Intermediate Csg	Production Csg	Perforations - Anticipated	Shallowest Mudlog Show	SA Top
1	Higgins Cahoon 12 D #3 (SE)	30-015-43116	Sec 12-T18S-R26E Unit D	5/20/2015	8 5/8" 24# J55 at 425'	NA	5 1/2" 17# J55 at 4603'	Yeso 2442'-4603'		1053'
2	Terry 14 C #2 (NE)	30-015-40486	Sec 14-T18S-R26E Unit C	1/13/2016	8 5/8" 24# J55 at 425'	NA	5 1/2" 17# J55 at 4571'	Yeso 2421'-4571'		955'
3	Simpson 15 B4 (NE)	30-015-43299	Sec 15-T18S-R26E Unit B	8/14/2015	8 5/8" 24# J55 at 425'	NA	5 1/2" 17# J55 at 4000'	Yeso 2395'-4000'		946'
4	Terry 14E #4 (SW)	30-015-43297	Sec 14-T18S-R26E Unit E	8/14/2015	8 5/8" 24# J55 at 425'	NA	5 1/2" 17# J55 at 4694'	Yeso 2445'-4694'		978'
5	Brainard 11 P #4 (NE)	30-015-40978	Sec 11-T18S-R26E Unit P	1/25/2013	8 5/8" 24# J55 at 425'	NA	5 1/2" 17# J55 at 4650'	Yeso 2473'-4650'		997'
6	Everest 14 M #9	30-015-40980	Sec 14-T18S-R26E Unit M	1/15/2013	8 5/8" 24# J55 at 425'	NA	5 1/2" 17# J55 at 4650'	Yeso 2532'-4650'		961'
7	Everest 14 O #7 (SW)	30-015-41015	Sec 14-T18S-R26E Unit O	1/25/2013	8 5/8" 24# J55 at 425'	NA	5 1/2" 17# J55 at 4300'	Yeso 2613'-4300'		1020'
8	Waldrop 13 N #3 (NE)	30-015-41016	Sec 13-T18S-R26E Unit N	1/25/2013	8 5/8" 24# J55 at 425'	NA	5 1/2" 17# J55 at 4662'	Yeso 2751'-4662'		1101'
9	Kaiser 7M 14 (NW)	30-015-43112	Sec 7-T18S-R27E Unit M	5/20/2015	8 5/8" 24# J55 at 425'	NA	5 1/2" 17# J55 at 4693'	Yeso 2476'-4693'		1024'

# Cross Section	Well	API #	Location	Spud	Surface Csg	Intermediate Csg	Production Csg	Perforations	Shallowest Mudlog Show	SA Top
1	Orleans 25-1	30-015-35260	Sec 25-T18S-R26E Unit B	3/25/2007	13 3/4" 54.5# J55 at 424'	9 5/8" 40# J55 at 1362'	5 1/2" 17# N80 at 9616'	Morrow 9024'-9260', Strawn 8741'-8754'	1028'	1365'
2	Everest Estate 15P Fee #1	30-015-40521	Sec 15-T18S-R26E Unit P	8/9/2012	8 5/8" 24# J55 at 433'	NA	5 1/2" 17# J55 at 4310'	Yeso 2548'-3954'	1100'	925'
3	Everest 14N #8	30-015-40488	Sec 14-T18S-R26E Unit N	1/30/2013	8 5/8" 24# J55 at 437'	NA	5 1/2" 17# J55 at 4315'	Yeso 2506'-3945'	1280'	980'
4	Mcnatt-Vandergriff 14P #2	30-015-40489	Sec 14-T18S-R26E Unit P	9/15/2012	8 5/8" 24# J55 at 536'	NA	5 1/2" 17# J55 at 4293'	Yeso 2870'-4209'	1315'	1045'
5	Vandergriff 13M #1	30-015-40493	Sec 13-T18S-R26E Unit M	5/23/2013	8 5/8" 24# J55 at 428'	NA	5 1/2" 17# J55 at 4286'	Yeso 2709'-4108'	1740'	1100'
6	Waldrop 13O #2	30-015-40494	Sec 13-T18S-R26E Unit O	5/15/2013	8 5/8" 24# J55 at 443'	NA	5 1/2" 17# J55 at 4350'	Yeso 2732'-4172'	1260'	1155'
7	Waldrop 13P Fee #1	30-015-39429	Sec 13-T18S-R26E Unit P	1/25/2012	13 3/8" 48# H40 at 255'	8 5/8" 24#J55 at 1565'	5 1/2" 17# J55 at 4272'	Yeso 3050'-4226'	1020'	1170'
8	Fanning 13J #1	30-015-40484	Sec 13-T18S-R26E Unit J	9/30/2012	8 5/8" 24# J55 at 446'	NA	5 1/2" 17# J55 at 4308'	Yeso 3040'-4152'	740'	1105'
9	Simpson 15A #1	30-015-35095	Sec 15-T18S-R26E Unit A	3/5/2007	8 5/8" 24# J55 at 880'	NA	5 1/2" 15.5# J55 at 3505'	Yeso 2420'-3201'	1155'	950'
10	Leavitt 13C #1	30-015-40482	Sec 13-T18S-R26E Unit C	8/31/2014	8 5/8" 24# J55 at 459'	NA	5 1/2" 17# J55 at 4703'	Yeso 3018'-4498'	1300'	1010'
11	Higgins Trust 13A #2	30-015-40977	Sec 13-T18S-R26E Unit A	8/7/2013	8 5/8" 24# J55 at 405'	NA	5 1/2" 17# J55 at 4308'	Yeso 3025'-4034'	1270'	1040'
12	Hawk 8N Federal #21	30-015-34964	Sec 8-T18S-R27E Unit N	7/3/2006	8 5/8" 24# J55 at 412'	NA	5 1/2" 15.5# J55 at 3410'	Yeso 2844'-3145'; SA 1829'-2595'	1200'	1200'
13	Hawk 8K Federal #14	30-015-34336	Sec 8-T18S-R27E Unit K	5/22/2006	8 5/8" 24# J55 at 445'	NA	5 1/2" 15.5# J55 at 3515'	Yeso 2748'-3045'; SA 1516'-2206'	1090'	1220'
14	Brainard 11G #3	30-015-35744	Sec 11-T18S-R26E Unit G	11/7/2007	8 5/8" 24# J55 at 950'	NA	5 1/2" 15.5# J55 at 3799'	Yeso 2401'-3331'	1320'	990'
Drill Order	**Well**	**API #**	**Location**	**APD Approved**	**Surface Csg**	**Intermediate Csg**	**Production Csg**	**Perforations - Anticipated**	**Shallowest Mudlog Show**	**SA Top**
1	Higgins Cahoon 12 D #3 (SE)	30-015-43116	Sec 12-T18S-R26E Unit D	5/20/2015	8 5/8" 24# J55 at 425'	NA	5 1/2" 17# J55 at 4603'	Yeso 2442'-4603'		1053'
2	Terry 14 C #2 (NE)	30-015-40486	Sec 14-T18S-R26E Unit C	1/13/2016	8 5/8" 24# J55 at 425'	NA	5 1/2" 17# J55 at 4571'	Yeso 2421'-4571'		955'
3	Simpson 15 B4 (NE)	30-015-43299	Sec 15-T18S-R26E Unit B	8/14/2015	8 5/8" 24# J55 at 425'	NA	5 1/2" 17# J55 at 4000'	Yeso 2395'-4000'		946'
4	Terry 14E #4 (SW)	30-015-43297	Sec 14-T18S-R26E Unit E	8/14/2015	8 5/8" 24# J55 at 425'	NA	5 1/2" 17# J55 at 4694'	Yeso 2445'-4694'		978'
5	Brainard 11 P #4 (NE)	30-015-40978	Sec 11-T18S-R26E Unit P	1/25/2013	8 5/8" 24# J55 at 425'	NA	5 1/2" 17# J55 at 4650'	Yeso 2473'-4650'		997'
6	Everest 14 M #9	30-015-40980	Sec 14-T18S-R26E Unit M	1/15/2013	8 5/8" 24# J55 at 425'	NA	5 1/2" 17# J55 at 4650'	Yeso 2532'-4650'		961'
7	Everest 14 O #7 (SW)	30-015-41015	Sec 14-T18S-R26E Unit O	1/25/2013	8 5/8" 24# J55 at 425'	NA	5 1/2" 17# J55 at 4300'	Yeso 2613'-4300'		1020'
8	Waldrop 13 N #3 (NE)	30-015-41016	Sec 13-T18S-R26E Unit N	1/25/2013	8 5/8" 24# J55 at 425'	NA	5 1/2" 17# J55 at 4662'	Yeso 2751'-4662'		1101'
9	Kaiser 7M 14 (NW)	30-015-43112	Sec 7-T18S-R27E Unit M	5/20/2015	8 5/8" 24# J55 at 425'	NA	5 1/2" 17# J55 at 4693'	Yeso 2476'-4693'		1024'