NM OIL CONSERVATION
ARTESIA DISTRICT
OCT 18 2017
RECEIVED

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
30-015-44494	3250	Atoka; Glorieta-Yeso

4 Property Code	5 Property Name	6 Well Number
315090 319773	TERRY 14G	3

7 OGRID No.	8 Operator Name	9 Elevation
277558	LIME ROCK RESOURCES II-A, L.P.	3311.6

10 Surface Location

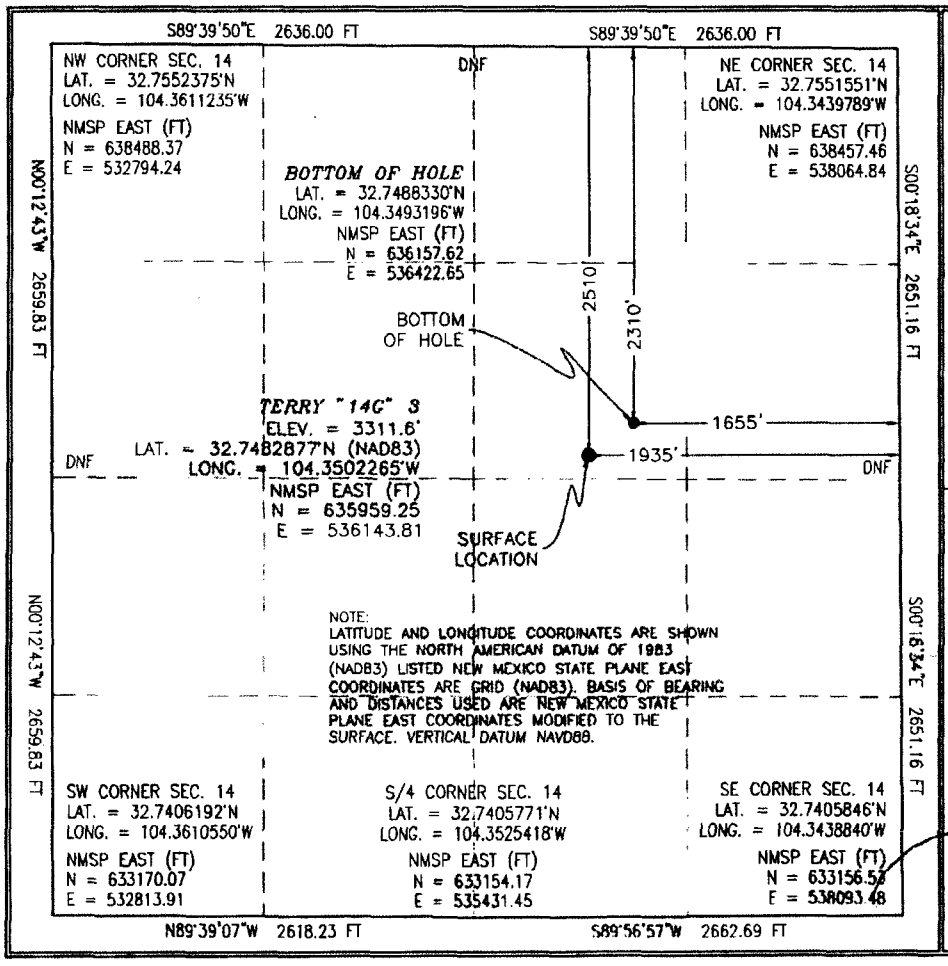
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	14	18 S	26 E		2510	NORTH	1935	EAST	EDDY

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
G	14	18 S	26 E		2310	NORTH	1655	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. McClusky 10/17/17
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.

OCTOBER 12, 2017
Date of Survey

FILIMON F. JARAMILLO
NEW MEXICO
12797

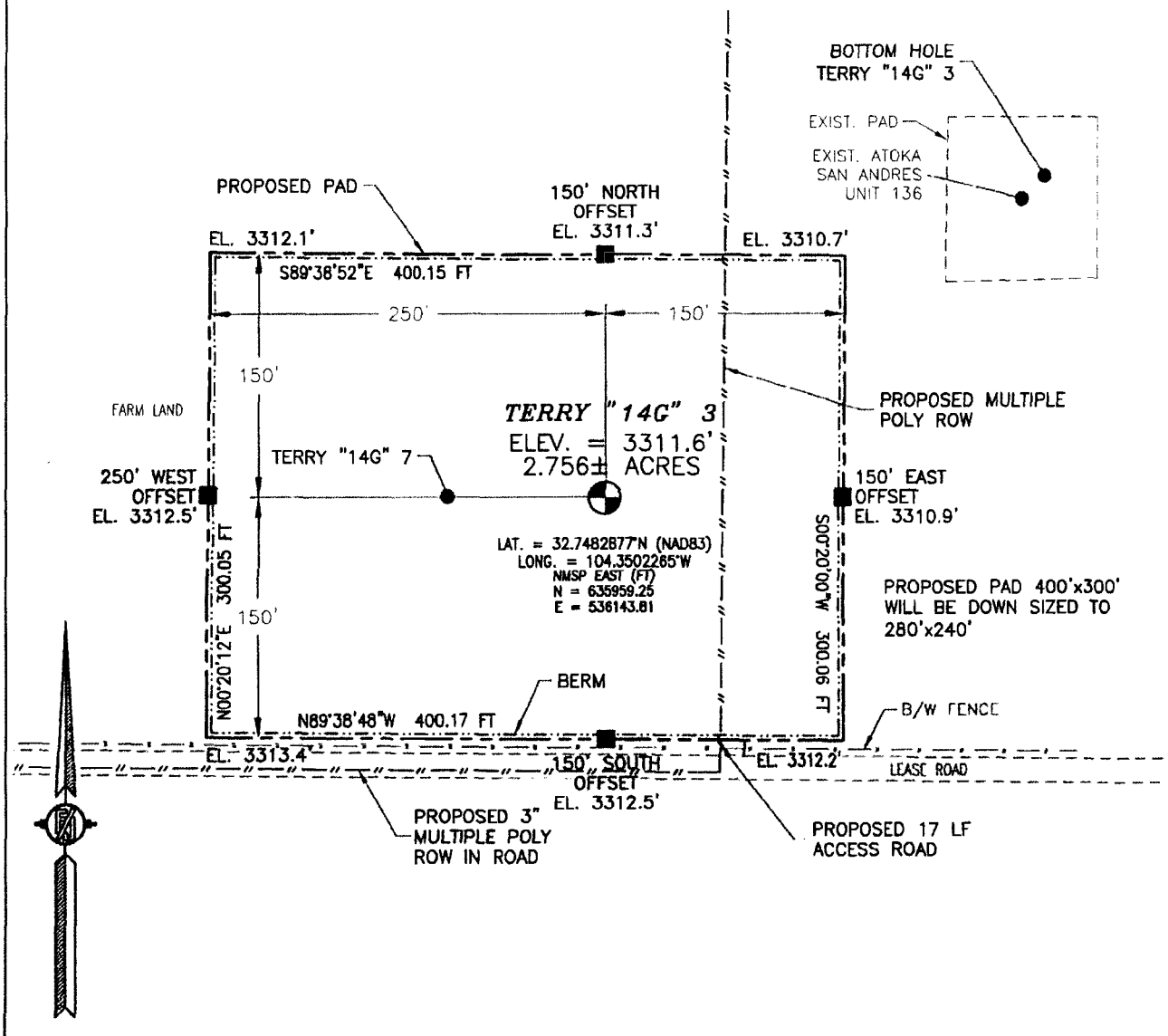
Signature and Seal of Professional Surveyor

Certificate Number FILIMON F. JARAMILLO, PLS 12797

SURVEY NO. 3167C

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 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE



0 10 50 100 200

SCALE 1" = 100'

DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF CR 39 (4-DINKUS) AND CR 44 (FANNING) GO SOUTH ON CR 44 FOR APPROX. 0.5 OF A MILE, TURN RIGHT ON LEASE ROAD AND GO WEST 515' TO A PROPOSED ROAD SURVEY AND FOLLOW FLAGS NORTH 17' TO THE PROPOSED SOUTHEAST PAD CORNER FOR THIS LOCATION.

LIME ROCK RESOURCES II-A, L.P.

TERRY "14G" 3

LOCATED 2510 FT. FROM THE NORTH LINE AND 1935 FT. FROM THE EAST LINE OF SECTION 14, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M. EDDY COUNTY, STATE OF NEW MEXICO

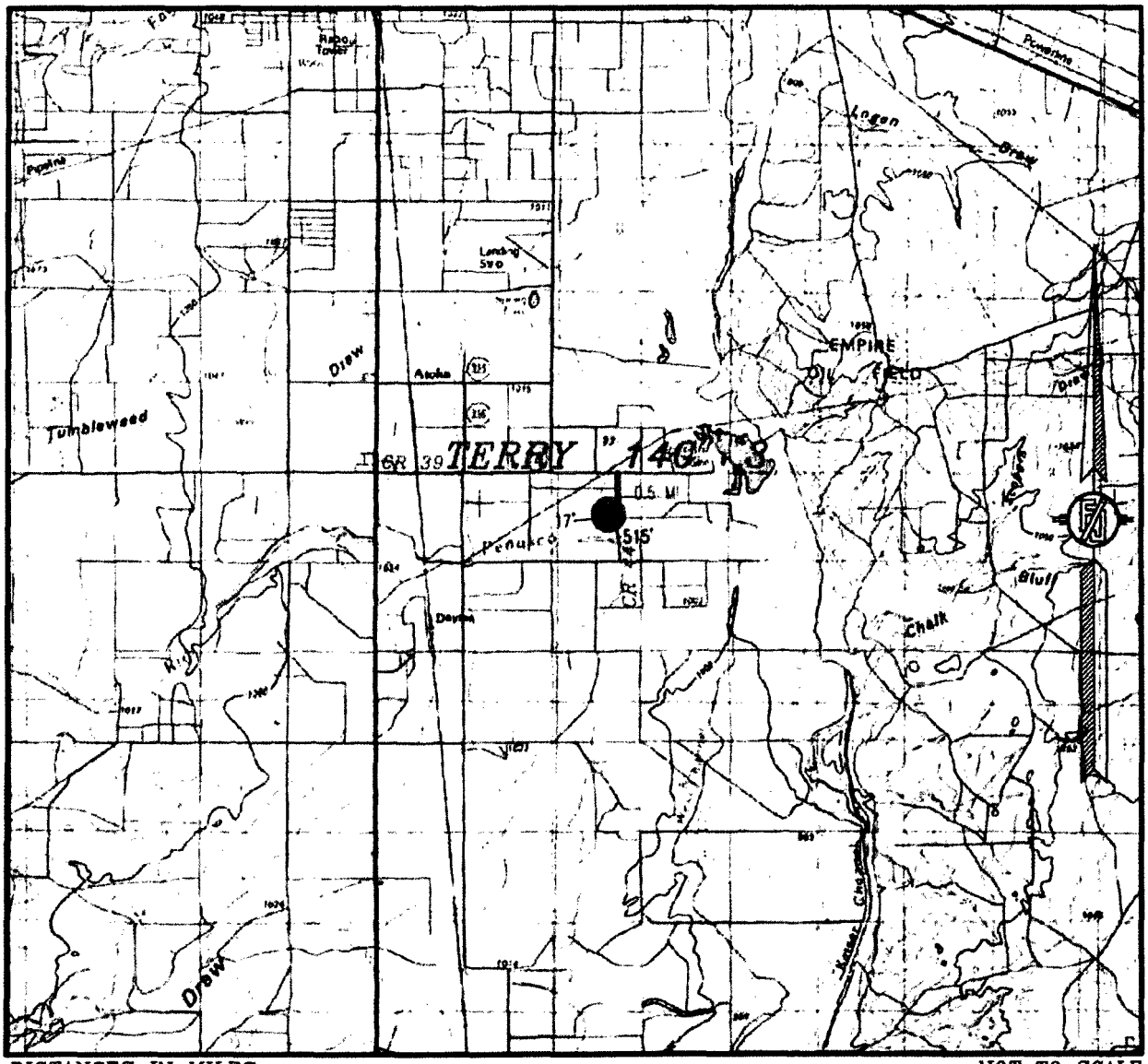
OCTOBER 12, 2017

SURVEY NO. 3167C

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

VICINITY MAP



DISTANCES IN MILES

NOT TO SCALE

DIRECTIONS TO LOCATION
FROM THE INTERSECTION OF CR 39 (4-DINKUS) AND CR 44 (FANNING) GO SOUTH ON CR 44 FOR APPROX. 0.5 OF A MILE, TURN RIGHT ON LEASE ROAD AND GO WEST 515' TO A PROPOSED ROAD SURVEY AND FOLLOW FLAGS NORTH 17' TO THE PROPOSED SOUTHEAST PAD CORNER FOR THIS LOCATION.

LIME ROCK RESOURCES II-A, L.P.

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EDDY COUNTY, STATE OF NEW MEXICO

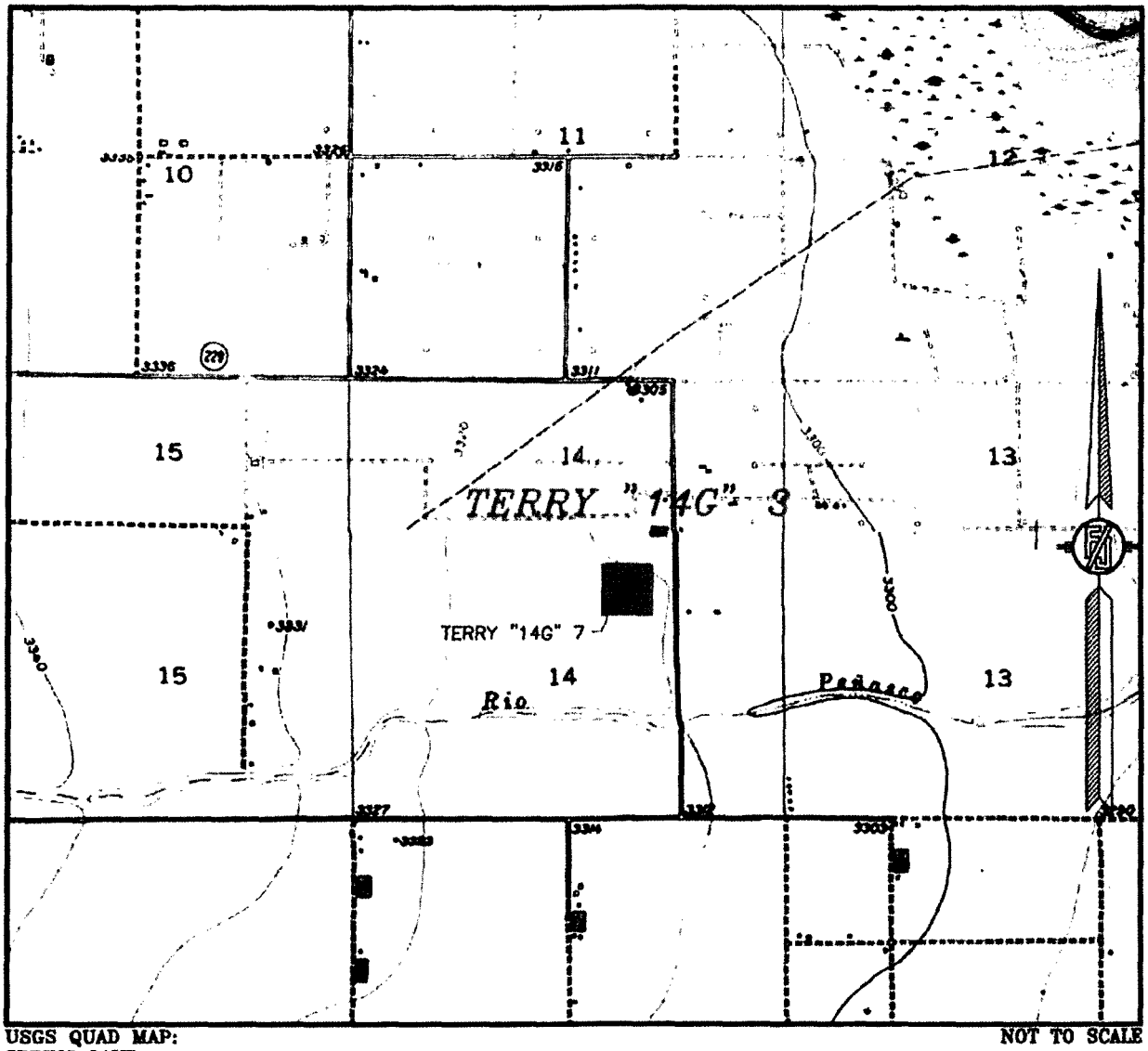
OCTOBER 12, 2017

SURVEY NO. 3167C

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 "14G" 3

LOCATED 2510 FT. FROM THE NORTH LINE
AND 1935 FT. FROM THE EAST LINE OF
SECTION 14, TOWNSHIP 18 SOUTH,
RANGE 26 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

OCTOBER 12, 2017

SURVEY NO. 3167C

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 "14G" 3

LOCATED 2510 FT. FROM THE NORTH LINE
AND 1935 FT. FROM THE EAST LINE OF
SECTION 14, TOWNSHIP 18 SOUTH,
RANGE 26 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

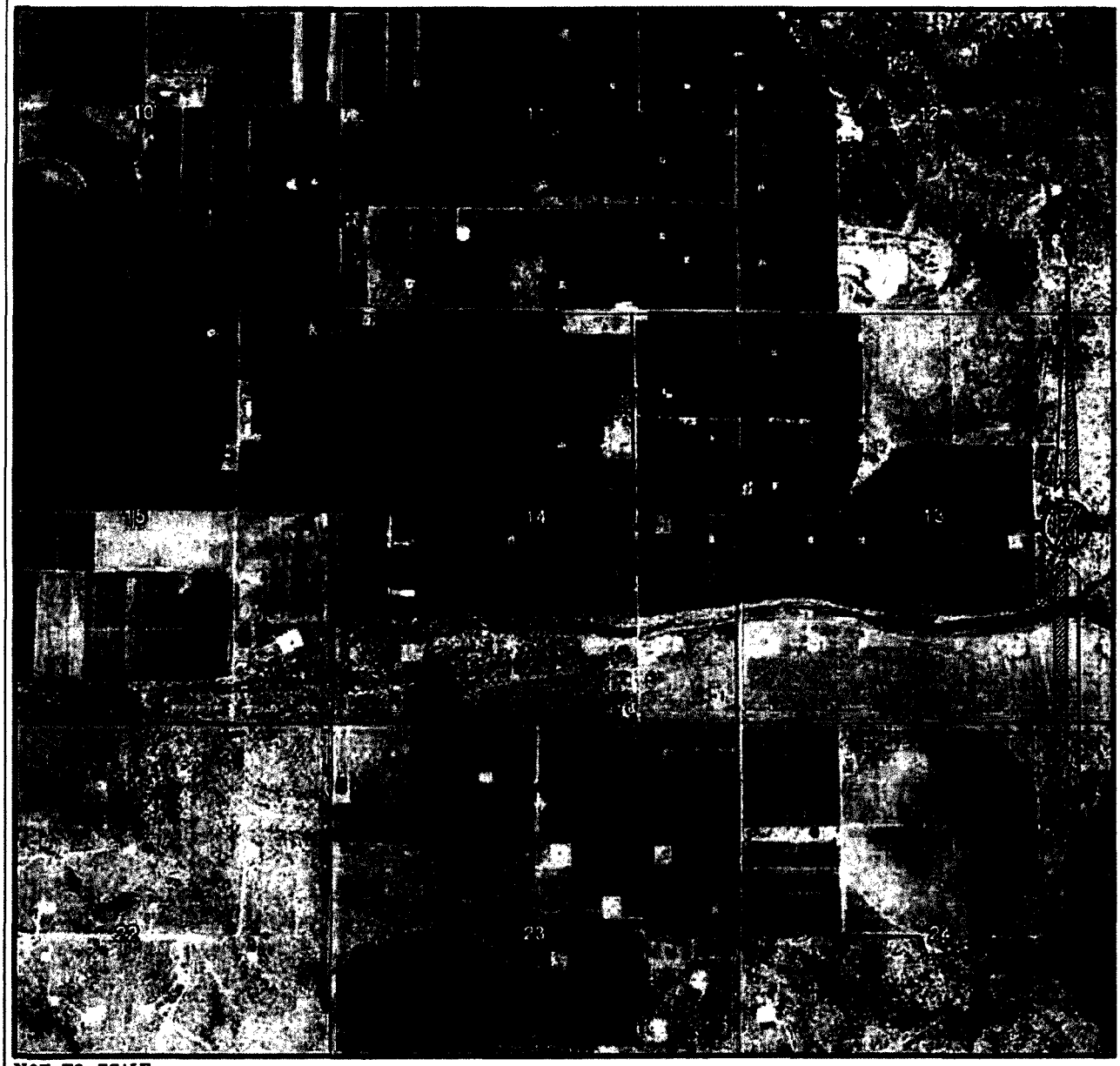
OCTOBER 12, 2017

SURVEY NO. 3167C

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

ACCESS AERIAL ROUTE MAP



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
MAY 2014

LIME ROCK RESOURCES II-A, L.P.

TERRY "14G" 3

LOCATED 2510 FT. FROM THE NORTH LINE
AND 1935 FT. FROM THE EAST LINE OF
SECTION 14, TOWNSHIP 18 SOUTH,
RANGE 26 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

OCTOBER 12, 2017

SURVEY NO. 3167C

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

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

Terry 14G #3
2510' FNL 1935' FEL
(G) 14-18S-26E
Eddy County, NM

1. The elevation of the unprepared ground is feet above sea level.
2. The geologic name of the surface formation is Quaternary – Alluvit
3. A rotary rig will be utilized to drill the well to 4300' and run casing. This equipment will be rigge down and the well will be completed with a workover ri
4. Well will be drilled to a total proposed depth of 4334' MD./ 4300' TVD. inside a 30' X 30' square tai inside of 40 acre spacing regulatory quarter-quarter setback distan The KOP for directional drilling will be at 400'. See directional plan for det
5. Estimated tops of geologic markers:

	MD	TVD
Quaternary – Alluvium	Surface	Surface
Yates	NA	NA
7 Rivers	NA	NA
Queen	290	290
Grayburg	671	670
Premier	977	970
San Andres	985	978
Glorieta	2361	2327
Yeso	2479	2445
Tubb	3901	3867
TD	4334	4300

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

	MD	TVD
Yates	NA	NA
7 Rivers	NA	NA
Queen	290	290
Grayburg	671	670
Premier	977	970
San Andres	985	978
Glorieta	2361	2327
Yeso	2479	2445
Tubb	3901	3867
TD	4334	4300

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	12.25"	8-5/8"	24	J-55	ST&C	1230	600	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	4334	300	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
							500	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	0-1230	1230-4130	4130-4334
Mud Type	Fresh Water Mud	Brine, Salt Gel, & Starch	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 4334 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 H2S is encountered the operator will comply with the provisions of Onshore Oil and Gas Order No. personnel will be familiar with all aspects of safe operation of equipment being used to drill this well Estimated BHP 1906.96 psi based on 0.44 x TD. The estimated BHT is 125 degrees F.

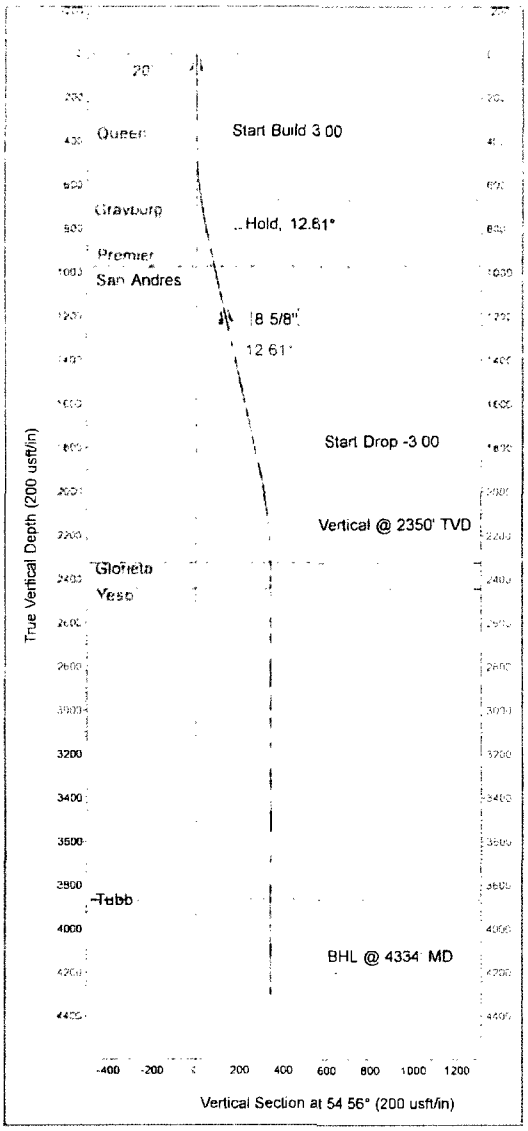
12. **Duration of Operations:**
Anticipated spud date will be soon after approval and as soon as a rig will be available. Move in operations and drilling is expected to take 10 days. An additional 14 days will be needed it complet well and to construct surface facilities.

ACCEL Directional

Limerock Resources
Terry 14G No 3
Eddy County, New Mexico NAD 83
Wellbore: Orig Hole
Plan: Plan 0
Rig: United 33

Rig: United 33

LIME ROCK RESOURCES



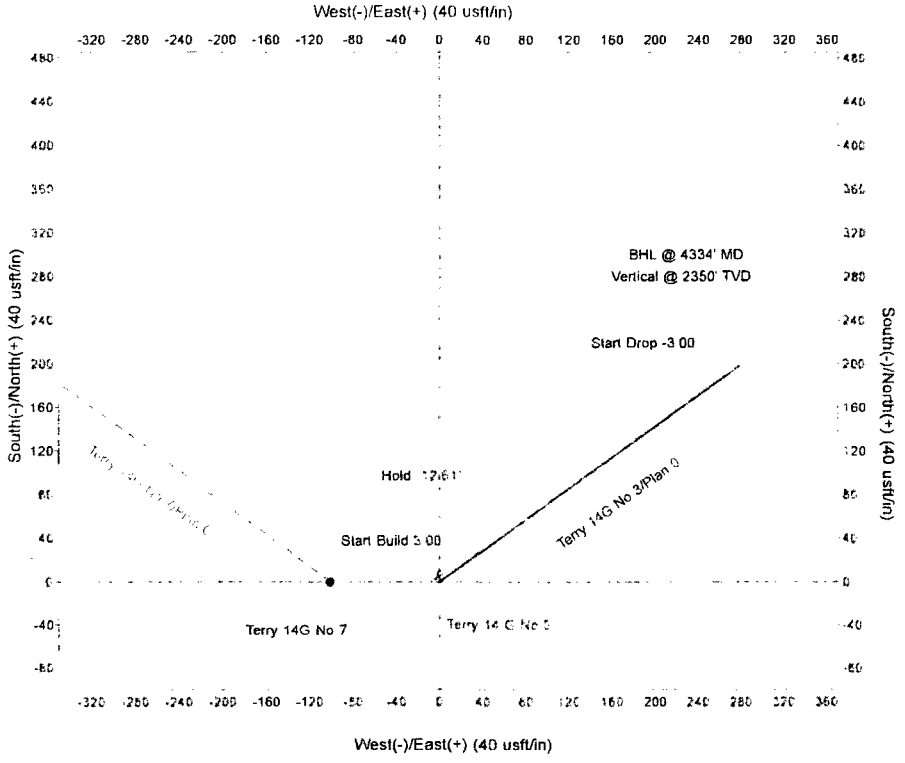
SURFACE LOCATION		Ground Elevation: 3311.60		11.8' KB @ 3323.40usft (United 33)	
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	635959.37	536143.95	32.7482880	-104.3502260

TARGET LOCATIONS					
Name	TVD	+N/-S	+E/-W	Northing	Easting
BHL (Terry 14G No 3)	4300.00	198.23	278.57	636157.60	536422.52

CASING DETAILS			
TVD	MD	Name	Size
80.00	80.00	20"	20.000
1230.00	1243.60	8 5/8"	8.625

Well Offset Distances

Slot Name	+N/-S	+E/-W
Terry 14 G No 3	0.00	0.00
Terry 14G No 7	0.38	-100.23



Map System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone Name: New Mexico Eastern Zone

Latitude 32.7482880
Longitude -104.3502260

Grid East 536143.95
Grid North 635959.37
Scale Factor 1.000

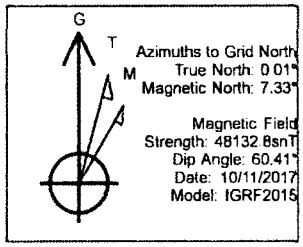
Geomagnetic Model IGRF2015
Sample Date 11-Oct-17
Magnetic Declination 7.32°
Dip Angle from Horizontal 60.41°
Magnetic Field Strength 48132.75474640nT

To convert a Magnetic Direction to a Grid Direction, Add 7.33°

Well Planning Phil Lyons

13:37, October 12 2017

SECTION DETAILS:										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	Start Build 3.00
3	820.48	12.61	54.56	817.09	26.73	37.56	3.00	54.56	46.10	Hold, 12.61°
4	1963.90	12.61	54.56	1932.91	171.51	241.01	0.00	0.00	295.81	Start Drop -3.00
5	2384.38	0.00	0.00	2350.00	198.23	278.57	3.00	180.00	341.91	Vertical @ 2350' TVD
6	4334.38	0.00	0.00	4300.00	198.23	278.57	0.00	0.00	341.91	BHL @ 4334' MD



Limerock Resources

Eddy County, New Mexico NAD 83
Terry - (NAD 83)
Terry 14G No 3

Orig Hole

Plan: Plan 0

Standard Planning Report

12 October, 2017

Database:	Accel Server EDM	**Local Co-ordinate Reference:**	Well Terry 14G No 3
Company:	Limerock Resources	**TVD Reference:**	11 8' KB @ 3323 40usft (United 33)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	11 8' KB @ 3323 40usft (United 33)
Site:	Terry - (NAD 83)	**North Reference:**	Grid
Well:	Terry 14G No 3	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Orig Hole		
Design:	Plan 0		

Project	Eddy County, New Mexico NAD 83		
Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Terry - (NAD 83)				
Site Position:		**Northing:**	638,291.64 usft	**Latitude:**	32 7546980
From:	Lat/Long	**Easting:**	534,804 58 usft	**Longitude:**	-104.3545840
Position Uncertainty:	0 00 usft	**Slot Radius:**	13 200 in	**Grid Convergence:**	-0.01 °

Well	Terry 14G No 3					
Well Position	**+N/-S**	-2,332.27 usft	**Northing:**	635,959 37 usft	**Latitude:**	32.7482880
	+E/-W	1,339.37 usft	**Easting:**	536,143 95 usft	**Longitude:**	-104 3502260
Position Uncertainty		0 00 usft	**Wellhead Elevation:**		**Ground Level:**	3,311.60 usft

Wellbore Orig Hole

Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2015	10/11/2017	7.32	60.41	48,132.75474640

Design Plan 0

Audit Notes:

Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.00
Vertical Section:	**Depth From (TVD) (usft)**	**+N/-S (usft)**	**+E/-W (usft)**	**Direction (°)**	
	0.00	0.00	0 00	54 56	

Plan Survey Tool Program **Date** 10/12/2017

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0 00	4,334 38	Plan 0 (Orig Hole)	MWD+IGRF	
				OWSG MWD + IGRF or WMM	

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
0.00	0.00	0 00	0.00	0 00	0.00	0.00	0.00	0.00	0 00	
400 00	0 00	0 00	400.00	0 00	0 00	0.00	0.00	0.00	0.00	
820.48	12 61	54.56	817.09	26 73	37 56	3.00	3 00	0 00	54 56	
1,963 90	12 61	54.56	1,932.91	171.51	241.01	0.00	0 00	0.00	0.00	
2,384.38	0.00	0 00	2,350.00	198 23	278.57	3.00	-3.00	0.00	180.00	
4,334.38	0 00	0 00	4,300.00	198 23	278 57	0.00	0 00	0.00	0 00	

Database:	Accel Server EDM	**Local Co-ordinate Reference:**	Well Terry 14G No 3
Company:	Limerock Resources	**TVD Reference:**	11 8' KB @ 3323 40usft (United 33)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	11 8' KB @ 3323 40usft (United 33)
Site:	Terry - (NAD 83)	**North Reference:**	Grid
Well:	Terry 14G No 3	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Orig Hole		
Design:	Plan 0		

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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80.00	0.00	0.00	80.00	0.00	0.00	0.00	0.00	0.00	0.00
20"									
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
290.00	0.00	0.00	290.00	0.00	0.00	0.00	0.00	0.00	0.00
Queen									
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 3.00									
500.00	3.00	54.56	499.95	1.52	2.13	2.62	3.00	3.00	0.00
600.00	6.00	54.56	599.63	6.07	8.52	10.46	3.00	3.00	0.00
670.91	8.13	54.56	670.00	11.12	15.63	19.18	3.00	3.00	0.00
Grayburg									
700.00	9.00	54.56	698.77	13.63	19.16	23.51	3.00	3.00	0.00
800.00	12.00	54.56	797.08	24.20	34.00	41.74	3.00	3.00	0.00
820.48	12.61	54.56	817.09	26.73	37.56	46.10	3.00	3.00	0.00
Hold, 12.61°									
900.00	12.61	54.56	894.69	36.80	51.71	63.47	0.00	0.00	0.00
977.17	12.61	54.56	970.00	46.57	65.44	80.32	0.00	0.00	0.00
Premier									
985.37	12.61	54.56	978.00	47.61	66.90	82.11	0.00	0.00	0.00
San Andres									
1,000.00	12.61	54.56	992.28	49.46	69.50	85.31	0.00	0.00	0.00
1,100.00	12.61	54.56	1,089.86	62.12	87.30	107.14	0.00	0.00	0.00
1,200.00	12.61	54.56	1,187.45	74.78	105.09	128.98	0.00	0.00	0.00
1,243.60	12.61	54.56	1,230.00	80.30	112.85	138.50	0.00	0.00	0.00
8 5/8"									
1,300.00	12.61	54.56	1,285.04	87.44	122.88	150.82	0.00	0.00	0.00
1,400.00	12.61	54.56	1,382.62	100.11	140.68	172.66	0.00	0.00	0.00
1,500.00	12.61	54.56	1,480.21	112.77	158.47	194.50	0.00	0.00	0.00
1,600.00	12.61	54.56	1,577.80	125.43	176.26	216.34	0.00	0.00	0.00
1,700.00	12.61	54.56	1,675.38	138.09	194.06	238.18	0.00	0.00	0.00
1,800.00	12.61	54.56	1,772.97	150.75	211.85	260.01	0.00	0.00	0.00
1,900.00	12.61	54.56	1,870.55	163.41	229.64	281.85	0.00	0.00	0.00
1,963.90	12.61	54.56	1,932.91	171.51	241.01	295.81	0.00	0.00	0.00
Start Drop -3.00									
2,000.00	11.53	54.56	1,968.21	175.88	247.17	303.36	3.00	-3.00	0.00
2,100.00	8.53	54.56	2,066.67	185.98	261.36	320.77	3.00	-3.00	0.00
2,200.00	5.53	54.56	2,165.91	193.08	271.33	333.01	3.00	-3.00	0.00
2,300.00	2.53	54.56	2,265.65	197.15	277.06	340.04	3.00	-3.00	0.00
2,361.38	0.69	54.56	2,327.00	198.15	278.46	341.77	3.00	-3.00	0.00
Glorieta									
2,384.38	0.00	0.00	2,350.00	198.23	278.57	341.91	3.00	-3.00	0.00
Vertical @ 2350' TVD									
2,400.00	0.00	0.00	2,365.62	198.23	278.57	341.91	0.00	0.00	0.00
2,479.38	0.00	0.00	2,445.00	198.23	278.57	341.91	0.00	0.00	0.00
Yeso									
2,500.00	0.00	0.00	2,465.62	198.23	278.57	341.91	0.00	0.00	0.00
2,600.00	0.00	0.00	2,565.62	198.23	278.57	341.91	0.00	0.00	0.00
2,700.00	0.00	0.00	2,665.62	198.23	278.57	341.91	0.00	0.00	0.00
2,800.00	0.00	0.00	2,765.62	198.23	278.57	341.91	0.00	0.00	0.00

Database:	Accel Server EDM	**Local Co-ordinate Reference:**	Well Terry 14G No 3
Company:	Limerock Resources	**TVD Reference:**	11 8' KB @ 3323 40usft (United 33)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	11 8' KB @ 3323 40usft (United 33)
Site:	Terry - (NAD 83)	**North Reference:**	Grid
Well:	Terry 14G No 3	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Orig Hole		
Design:	Plan 0		

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 00	0 00	0 00	2,865 62	198 23	278 57	341 91	0 00	0.00	0.00
3,000 00	0.00	0 00	2,965 62	198 23	278 57	341 91	0 00	0 00	0.00
3,100 00	0 00	0.00	3,065 62	198 23	278 57	341 91	0 00	0.00	0 00
3,200 00	0 00	0 00	3,165 62	198 23	278 57	341 91	0 00	0 00	0.00
3,300 00	0 00	0.00	3,265 62	198 23	278 57	341 91	0.00	0.00	0.00
3,400 00	0.00	0 00	3,365 62	198 23	278 57	341 91	0 00	0.00	0.00
3,500 00	0.00	0 00	3,465 62	198 23	278 57	341 91	0 00	0 00	0.00
3,600 00	0.00	0 00	3,565 62	198 23	278 57	341 91	0 00	0.00	0.00
3,700 00	0.00	0 00	3,665 62	198 23	278 57	341 91	0 00	0.00	0.00
3,800 00	0 00	0 00	3,765 62	198 23	278 57	341 91	0 00	0.00	0.00
3,900 00	0.00	0 00	3,865 62	198 23	278 57	341 91	0 00	0.00	0.00
3,901 38	0 00	0 00	3,867 00	198 23	278 57	341 91	0 00	0.00	0.00
Tubb									
4,000 00	0.00	0 00	3,965 62	198 23	278 57	341 91	0 00	0.00	0.00
4,100 00	0.00	0 00	4,065 62	198 23	278 57	341 91	0 00	0.00	0.00
4,200 00	0.00	0.00	4,165 62	198 23	278 57	341 91	0 00	0.00	0.00
4,300 00	0.00	0.00	4,265 62	198 23	278 57	341 91	0 00	0.00	0.00
4,334 38	0.00	0.00	4,300 00	198 23	278 57	341 91	0.00	0.00	0.00
BHL @ 4334' MD									

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
BHL (Terry 14G No 3) - plan hits target center - Point	0 00	360 00	4,300 00	198 23	278 57	636,157 60	536,422 53	32 7488330	-104 3493200

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (in)	Hole Diameter (in)
80 00	80 00	20"	20 000	26 000
1,243 60	1,230 00	8 5/8"	8 625	11 000

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
290 00	290 00	Queen		0 00	54 56
670 91	670 00	Grayburg		0.00	54 56
977 17	970 00	Premier		0.00	54 56
985 37	978 00	San Andres		0.00	54 56
2,361 38	2,327 00	Glorieta		0.00	54 56
2,479 38	2,445 00	Yeso		0.00	54 56
3,901 38	3,867 00	Tubb		0.00	54 56

Database:	Accel Server EDM	**Local Co-ordinate Reference:**	Well Terry 14G No 3
Company:	Limerock Resources	**TVD Reference:**	11.8' KB @ 3323 40usft (United 33)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	11.8' KB @ 3323.40usft (United 33)
Site:	Terry - (NAD 83)	**North Reference:**	Grid
Well:	Terry 14G No 3	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Orig Hole		
Design:	Plan 0		

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Comment
400.00	400.00	0.00	0.00	Start Build 3.00
820.48	817.09	26.73	37.56	Hold, 12.61°
1,963.90	1,932.91	171.51	241.01	Start Drop -3.00
2,384.38	2,350.00	198.23	278.57	Vertical @ 2350' TVD
4,334.38	4,300.00	198.23	278.57	BHL @ 4334' MD

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

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.

Pressure Control

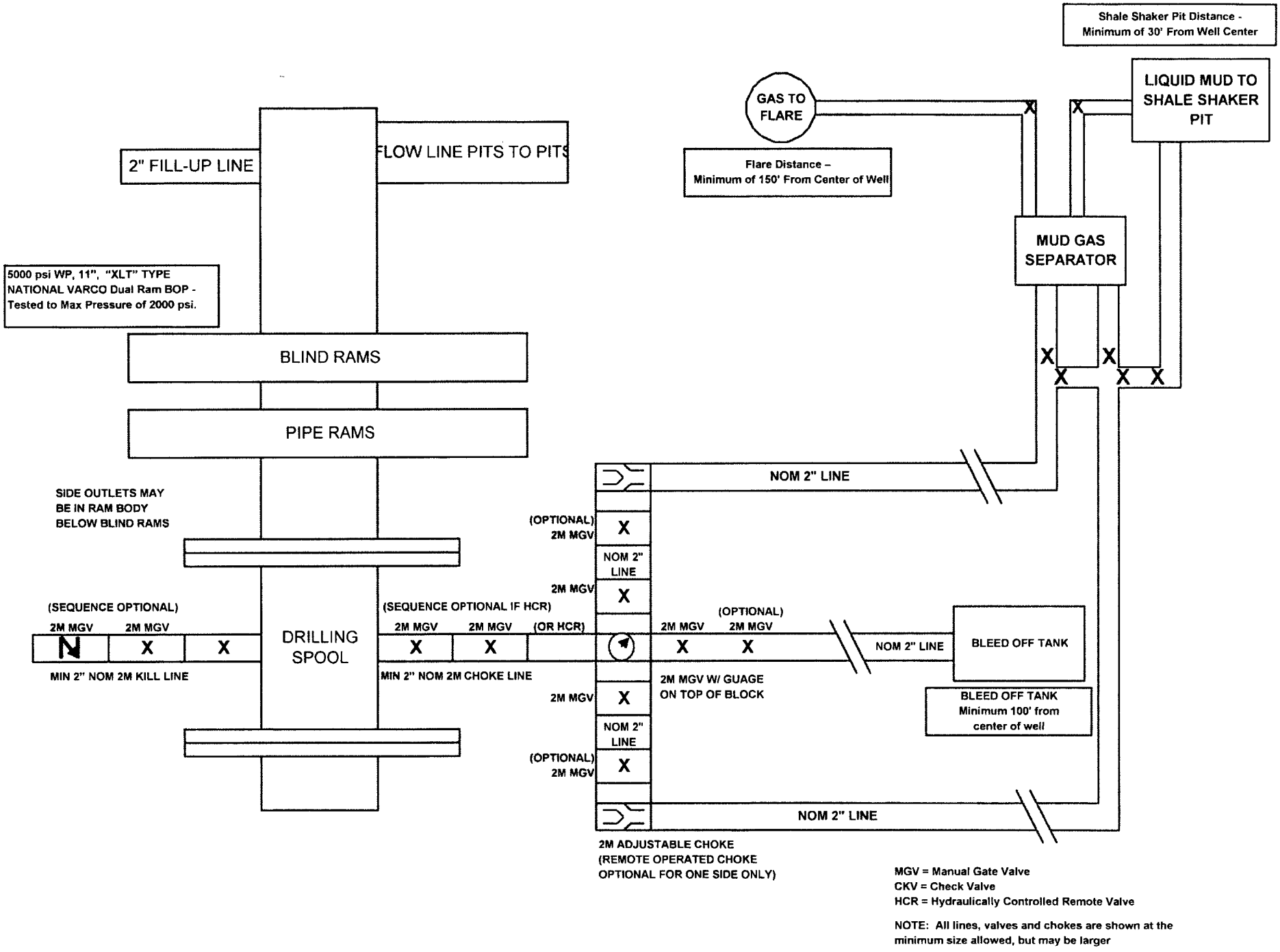
The blowout preventer equipment (BOP) will consist of a 5000 psi rated, "XLT" type, National VARCO double ram preventer that will be tested to a maximum pressure of 2000 psi. The unit will be hydraulically operated and the ram type preventer will be equipped with blind rams on top and drill pipe rams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

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 14G #3

Unit G, 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 attache

Cuttings and associated liquids will be hauled to a State regulated third party disposal site (CRI or Controlled Recc Inc.). The disposal site permit is DFP = #R916

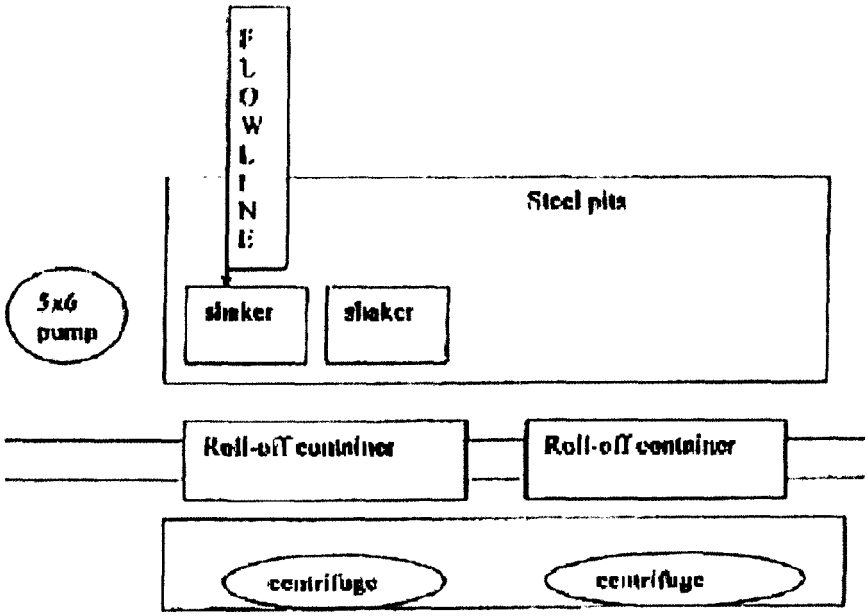
- 2- (250 bbl) tanks to hold fluid
- 2-CRI bins with track system
- 2-500 bbl frac tanks with fresh water
- 2-500 bbl frac tanks for brine water

Operations:

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

Closure:

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



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