

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 December 16, 2011

HOBBS OCD

Permit

MAY 17 2012

RECEIVED

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

¹ Operator Name and Address LRE OPERATING, LLC c/o Mike Pippin LLC, 3104 N. Sullivan, Farmington, NM 87401		² OGRID Number 281994
		³ API Number 30-025-35150
⁴ Property Code 309894	⁵ Property Name BIMINI 13 STATE	⁶ Well No. 4

⁷ Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
F	13	17-S	35-E		2225	North	2310	West	Lea

⁸ Pool Information

<i>WC-025 G-03 S173513 F; GLORIETA</i>	<i>97941</i>
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Additional Well Information

⁹ Work Type A&P	¹⁰ Well Type O	¹¹ Cable/Rotary R	¹² Lease Type S	¹³ Ground Level Elevation 3919'
¹⁴ Multiple N	¹⁵ Proposed Depth 6300'	¹⁶ Formation Glorieta	¹⁷ Contractor	¹⁸ Spud Date 9/25/00
Depth to Ground water 1000'		Distance from nearest fresh water well >1000'		Distance to nearest surface water >1000'

¹⁹ Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
*Surface	12-1/4"	8-5/8"	23#	1792'	700	Surface
*Prod.	7-7/8"	4-1/2"	11.6#	7320'	1003	??
*Existing						CBL stopped @ 5000'.

Casing/Cement Program: Additional Comments

LRE OPERATING, LLC would like to recompleate to the Glorieta as follows: MIRUSU. TOH w/all production equipment. Set 4-1/2" CIBP @ ~6300'. (Blinebry perfs @ 6342'-7272'). PT 4-1/2" csg & CIBP to 1000 psi for 15 min. Perf Glorieta @ ~6156'-64', 6184'-88', & 6192'-6208' w/about 59 holes. W/4-1/2" pkr set @ ~6050' on 2-3/8" tbq stimulate new perfs w/about 3000 gal 15% HCL acid & about 100 RCN perf balls. TOH w/tbg & pkr. Swab test well. Land 2-3/8" 4.7# J-55 production tbq @ ~6280'. Run pump & rods & release service unit. Complete as a single wildcat Glorieta oil well. See attached wellbore diagrams.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
	2000#	2000#	

Permit Expires 2 Years From Approval
Date Unless Drilling Underway
Plugback

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 ☒ (Closed Loop).

Signature:

Mike Pippin

Printed name: Mike Pippin

Title: Petroleum Engineer

E-mail Address: mike@pippinllc.com

Date: 5/16/12

Phone: 505-327-4573

OIL CONSERVATION DIVISION

Approved By:

Title:

Approved Date:

MAY 18 2012

Expiration Date:

Conditions of Approval Attached

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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

RECEIVED
MAY 16 2012
HOBBS OCD

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-35150	² Pool Code 97941	³ Pool Name WC-025 G-03 S173513 E; GLOMATA
⁴ Property Code 309894	⁵ Property Name Bimini 13 State	⁶ Well Number 4
⁷ OGRID No. 281994	⁸ Operator Name LRE Operating, LLC	⁹ Elevation 3,919 ft

¹⁰ Surface Location

UL or lot no. F	Section 13	Township 17S	Range 35E	Lot Idn	Feet from the 2,225	North/South line North	Feet from the 2,310	East/West line West	County Lea
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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
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¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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 	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>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.</p> <p>Signature: <u>Jeffrey W. Patton</u> Date: <u>5/3/12</u></p> <p>Printed Name: <u>Jeffrey W. Patton, P.E.</u></p> <p>E-mail Address: <u>ipatton@limerockresources.com</u></p>
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>August 25, 2000</p> <p>Date of Survey: _____</p> <p>Signature and Seal of Professional Surveyor: _____</p> <p>Original Signed by Gary G. Edison</p> <p>Certificate Number <u>NM PLS #12641</u></p>



Proposed Wellbore 4-23-12

BIMINI 13 STATE #4
Sec 13-17S-35E (F)
2225' FNL, 2310' FWL
Elevation – 3,919' GL
API # 30-025-35150
LEA County, NM

20"
Conductor
@ 40'

Lufkin Mark II 320-256-144 w/ 20 HP Electric Motor

8-5/8", 32#, J-55, ST&C Casing @
1792'. 700 sx cmt. (9-27-2000)

CBL stopped at 5,000' with good
cement. Actual TOC is unknown.

Proposed - Run 2-3/8"; 4.6#, J-55 Tubing @ 6,280' and SN @ 6,217'.
Put well on 1.75" Tubing Pump or 1.25" Insert Pump.

Proposed Glorieta Perfs 6,156' – 6,208'

Proposed – Set CIBP at 6,300'

Upper Blinebry Perfs: 6,342' – 6,561'

Middle Blinebry Perfs: 6,643' – 6,796'

Lower Blinebry Perfs: 6,838' – 7,272'

PBTD @ 7,284'

4-1/2"; 11.6#, N-80; LT&C Casing @
7,320'. Cmt'd w/1,003 sx (10-10-2000)

TD @ 7320'

GEOLOGY

Zone	Top
Yates	3096'
7 Rivers	3377'
Queen	3968'
San Andres	4664'
Glorieta	6154'
Blinebry	6968'

Proposed Stim: 3,500 gals 15% HCL, 44,012 lbs 16/30
Brady Sand, 10,235 lbs 16/30 SiberProp in 35,292 gal
25# X-linked gel



**LIME ROCK
RESOURCES**

Current Wellbore 4-16-12

**BIMINI 13 STATE #4
Sec 13-17S-35E (F)
2225' FNL, 2310' FWL
Elevation – 3,919' GL
API # 30-025-35150
LEA County, NM**

20"
Conductor
@ 40'

Lufkin Mark II 320-256-144 w/ 20 HP Electric Motor.
Pump: 2" x 1.75" x 20' x 4' THBC Pump
Rods: 91 – 7/8" D Reruns, 145 – 3/4" D Reruns,
12 – 1-1/2" SB's. String topped w/ 1-1/4" PR, 1-1/2" PR
Liner 2 - 7/8" pony rods.

8-5/8", 32#, J-55, ST&C Casing @
1792'. 700 sx cmt. (9-27-2000)

CBL stopped at 5,000' with good
cement. Actual TOC is unknown.

2-3/8"; 4.6#, J-55 Tubing @ 6,339'. Tbg Anchor @ 6,096', SN @ 6,253'.
On Rod Pump: 1.75" Tubing Pump

GEOLOGY

Zone	Top
Yates	3096'
7 Rivers	3377'
Queen	3968'
San Andres	4664'
Glorieta	6154'
Blinebry	6968'

Upper Blinebry Perfs: 6,342' – 6,561'

Frac'd w/ 4,410 gals 15% HCL, 53,781 gal 25# X-linked gel loaded with
58,074 lbs 16/30 Brady Sand and 0 lbs 16/30 SiberProp. Screened-
Out on 3 ppg. Only 46,956# in form.

Middle Blinebry Perfs: 6,643' – 6,796'

Frac'd w/ 3,500 gals 15% HCL, 44,012 lbs 16/30 Brady Sand, 10,235
lbs 16/30 SiberProp in 35,292 gal 25# X-linked gel

Lower Blinebry Perfs: 6,838' – 7,272'

Re-Frac: 3500 gal 15% HCL, 92,337 gal 25# X-linked gel, 99,255 lbs
16/30 Brady sand and 31,086 lbs 16/30 SiberProp

PBTD @ 7,284'

Original Frac: 2730 gals 15% HCL, 83280# 20/40 White Sand, 30,480#
20/40 SLC in 116340 gal Spectra Frac 3500 at 50 BPM, ATP = 3870
psi and ISDP = 2970 psi.

4-1/2"; 11.6#; N-80; LT&C Casing @
7,320'. Cmt'd w/1,003 sx (10-10-2000)

TD @ 7320'