

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 87400  
District IV - (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised August 1, 2011

HOBBS OCD

OIL CONSERVATION DIVISION

SEP 28 2011

1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. 30-025-35150
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. B-1861
7. Lease Name or Unit Agreement Name Bimini 13 State
8. Well Number 4
9. OGRID Number 255333
10. Pool name or Wildcat Northeast Vacuum; Blinebry
11. Elevation (Show whether DR, RKB, RT, GR, etc.) RKB = 3936.5'. GL = 3919'

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.)

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

2. Name of Operator  
Lime Rock Resources A, L.P.

3. Address of Operator  
1111 Bagby Street, Suite 4600, Houston, Texas 77002

4. Well Location

Unit Letter F : 2225' feet from the North line and 2310' feet from the West line  
Section 13 Township 17S Range 35E NMPM County LEA

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
RKB = 3936.5'. GL = 3919'

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: Pay Add Workover



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.

Lime Rock would like to perform a payadd workover as follows: MIRUPU. RU frac valve and BOP's on well. Test BOP's to 3500 psi. TOH w/rods, pump, & tbg. Run a bit and scraper on tubing to PBTD. TOH. Run packer on tubing to  $\pm 6,750'$  and test casing to 3000 psi. Release packer and lay down tubing and packer. RDMOPU. RU electric line unit and add Blinebry perforations at 6859' to 7241' MD (56 holes to add at 1 SPF). Frac the Blinebry perfs from 6840' to 7267' MD w/ 2500 gal 15% acid, 87,900 gal x-link 25# gel and 145,775 lbs 16/30 sand. Set CBP @ 6,810' MD. Add Blinebry perfs from 6643' to 6796' MD (46 holes - 2 SPF). Acidize this portion of Blinebry with 2000 gals 15% acid, then frac the zone with 30,600 gals x-linked 25# gel laden with 54,428 lbs 16/30 Brady sand. Set CBP @ 6616' MD. Perf Blinebry Pool from 6342' to 6561' (1 SPF - 40 holes). Acidize perfs with 2000 gal 15% HCL acid and then frac perfs with 46,000 gals x-linked gel laden with 107,500 lbs 16/30 Brady sand. Flush frac fluids to top perf. MIRUPU. NU BOP's. Test BOP's to 3500 psi. TIH w/ bit on tubing and clean out wellbore to PBTD of 7284'. Circ hole clean. POOH w/ tubing and bit. Run tubing and tubing anchor. Run pump and rods and RU wellhead. Hang off rods and RD pulling unit. Place well back on pump. Resume production from Northeast Vacuum; Blinebry pool. See attached wellbore diagram.

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

SIGNATURE Sid Ashworth TITLE PRODUCTION ENGINEER DATE 9/27/11  
Type or print name SID ASHWORTH E-mail address: sashworth@lime rockresources.com PHONE: 713-292-9526  
For State Use Only

APPROVED BY: [Signature] TITLE PETROLEUM ENGINEER DATE OCT 04 2011  
Conditions of Approval (if any):

OCT 04 2011



**LIME ROCK  
RESOURCES**

**Proposed Pay Add and Re-Frac  
CAPWO.  
AFE W11066**

**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 320-256-120 w/ 20 HP  
Pump: 2" x 1.25" x 24' RHBC Pump  
Rods: 190 - 3/4" D Reruns, 87 - 7/8" D Reruns + 4 - 1-1/2"  
SB's. Srtg topped w/ 1-1/4" PR, 6' & 8' - 7/8" pony rods

**GEOLOGY**

<u>Zone</u>	<u>Top</u>
Yates	3096'
7 Rivers	3377'
Queen	3968'
San Andres	4664'
Glorieta	6154'
Blinbry	6968'

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

2-3/8"; 4.6#, J-55 Tubing @ 7143'. Tbg Anchor @ 6250', SN @ 7105' above Perf Sub.

**Procedure:** MIRU pulling unit. Pull and lay down rods and pump. Pull tubing. RIH w/ bit and scraper for 4-1/2", 11.6# casing to 7275' MD. TOOH RIH w/ 4-1/2" packer on 2-3/8" production tubing and set same at 6,750' MD. Test casing on backside to 3000 psig. Equalize tubing and casing & POOH w/ packer LD tubing. RU and test frac valve. Add perfs to existing Blinbry perforations. Frac Stage 1 from 6840' to PBDT. Set CBP at 6810'. Perf Blinbry from 6,643' to 6,796' MD. Frac middle of Blinbry. Set CBP at 6616' MD. Perf Blinbry from 6,342' to 6,561' MD. Frac 3 rd stage. MIRU pulling unit. Clean out well to PBDT. Rerun production string and rods, but set tubing anchor above perfs. Place on production.

Proposed Perfs: 6,342' – 6,561'

Proposed Stim: 2000 gals 15% HCL, 46,080 gal 25# X-linked gel loaded with 89268 lbs 16/30 Brady Sand and 18200 lbs 16/30 SiberProp

Proposed Perfs: 6,643' – 6,796'

Proposed Stim: 2000 gals 15% HCL, 42828 lbs 16/30 Brady Sand, 11600 lbs 16/30 SiberProp in 30600 gal 25# X-linked gel

Perfs 6,838' – 7,272'  
& Add Perfs

Proposed ReFrac: 2500 gal 15% HCL, 87,900 gal 25# X-linked gel, 127775 lbs 16/30 Brady sand and 18000 lbs 16/30 SiberProp

PBDT @ 7,284'

Stim Data: 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/ 1003 sx (10-10-2000)

TD @ 7320'