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District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

JUL 01 2010 State of New Mexico
Energy, Minerals and Natural Resources
HOBBS
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
June 19, 2008

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)		WELL API NO. 30-025-02801 ✓
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> ✓
2. Name of Operator Lime Rock Resources A, L.P. ✓		6. State Oil & Gas Lease No. VA-698
3. Address of Operator Heritage Plaza, 1111 Bagby St. Suite 4600, Houston, TX 77002		7. Lease Name or Unit Agreement Name Buffalo ARU State ✓
4. Well Location Unit Letter: <u>K</u> : <u>1,980</u> feet from the <u>South</u> line and <u>1,945</u> feet from the <u>West</u> line Section <u>18</u> Township <u>16S</u> Range <u>35E</u> NMPM Lea County		8. Well Number 1 ✓
11. Elevation (Show whether DR, RKB, RT, GR, etc) 4,041' GR		9. OGRID Number 255333 ✓
		10. Pool name or Wildcat Townsend Perno Upper Penn

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 ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

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

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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Plugging Procedure:

1. Pull tubing and packer.
2. Set cast iron bridge plug at 10,750' and place ^{755X} cement on top of plug.
3. Fill with tubing and load hole with mud. Tag plug at 10,750'.
4. Spot cement plug from ^{7220'} 7,120' to 7,020'. Tag top of plug.
5. Perforate the 5-1/2" casing at 4,730'. Spot cement plug from 4,730' to 4,630'. Tag top of plug.
6. Perforate the 5-1/2" casing at 400'. Spot cement plug from 400' to 300'. Tag top of plug. ^{WOC TAG} *Perforate 5" 255X cement @ 1882 TAG WOC*
7. Perforate the 5-1/2" casing at 60'. Circulate cement from 60' back to surface.
8. Cut off wellhead and install dry hole marker.
9. Cut off anchors, fill in cellar, and restore location.

The Oil Conservation Division **Must be notified**

24 hours prior to the beginning of plugging operations

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

SIGNATURE [Signature] TITLE Vice President - Operations DATE 7/01/2010

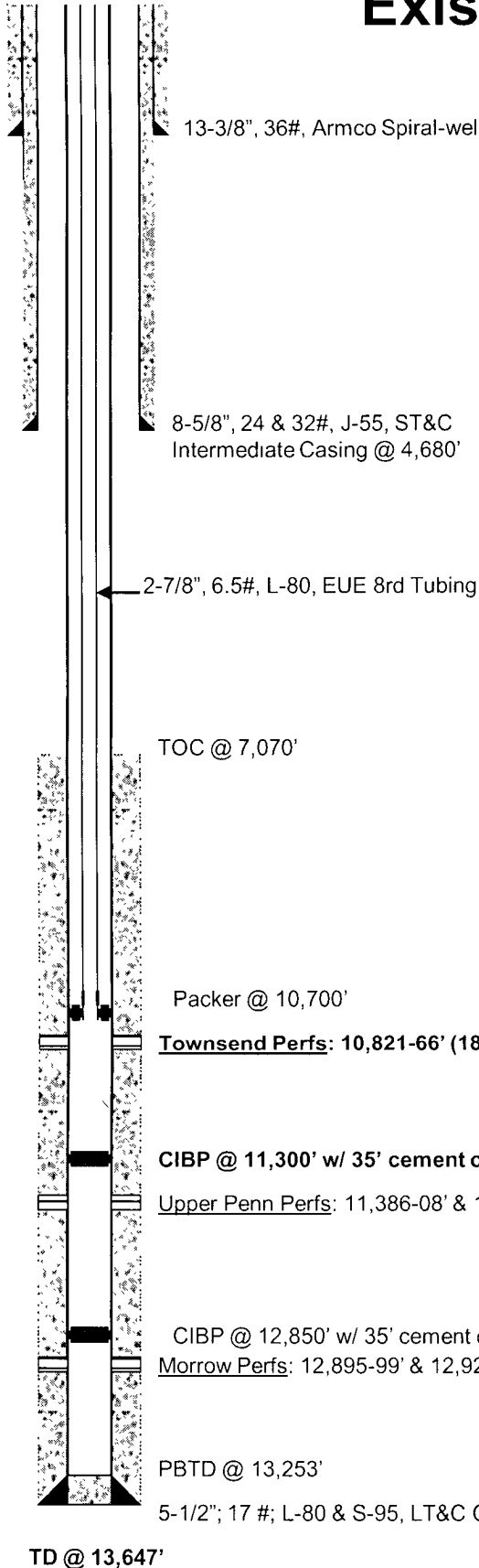
Type or print name C. Tim Miller E-mail address: timiller@linerockresources.com PHONE: (713) 292-9514

For State Use Only

APPROVED BY: [Signature] TITLE STAFF MGR DATE 7-1-10
Conditions of Approval (if any):

Coh

Existing Wellbore



Elevation: 4,041' GL

Date Spud. 09/27/97 (Re-entry)

Date TD'd: 10/02/97

Date Completed. 10/24/97

<u>Zone</u>	<u>Frac</u>
Upper Penn	2,000 gals 15% HCl
Morrow	23,800 gals 50Q CO2 foam w/ 35,000# 20/40 Interprop

Recompletions & Workovers

<u>Date</u>	
02/08/54	Well drilled to 13,647'. P&A'd as dry hole.
09/27/97	Re-entered dry hole & completed well in Morrow
08/08/07	Recompleted well to Upper Penn
04/28/10	Unsuccessful recompletion to the Wolfcamp

Current Status:

Last Well Test:

Lime Rock Resources

Buffalo ARU State 1

Sec 18K-16S-35E

Lea County, NM

Updated: 27 May 2010 SJH



Perforate 5-1/2" casing at 60' and circulate cement from 60' back to surface

13-3/8", 36#, Armco Spiral-weld Surface Casing @ 357'

Perforate 5-1/2" casing at 400'. Spot 100' cement plug from 400' to 300'. Plug to be tagged.

8-5/8", 24 & 32#, J-55, ST&C Intermediate Casing @ 4,680'

Perforate 5-1/2" casing at 4,730'. Spot 100' cement plug from 4,730' to 4,630'. Plug to be tagged.

Spot 100' cement plug from 7,120' to 7,020'. Plug to be tagged.

Set CIBP @ 10,750' w/ 35' cement on top of plug. Plug to be tagged.

Townsend Perfs: 10,821-66' (180 - 0.42" DIA holes)

CIBP set @ 11,300' w/ 35' cement on top of plug to abandon Upper Penn perfs

Upper Penn Perfs: 11,386-08' & 11,415-20' (102 - 0.42" DIA holes)

CIBP @ 12,850' w/ 35' cement on top of plug

Morrow Perfs: 12,895-99' & 12,925-50' (124 - 0.45" DIA holes)

PBTD @ 13,253'

5-1/2", 17 #, L-80 & S-95; LT&C Casing @ 13,293'

TD @ 13,647'

Zone
Top of Anhydrite
Top of Salt
Yates
Queen
Glorieta
Abo
Penn

<u>Zone</u>	<u>Top</u>
Top of Anhydrite	1,775'
Top of Salt	1,882'
Yates	2,986'
Queen	3,845'
Glorieta	6,190'
Abo	8,145'
Penn	10,622'

**Lime Rock Resources
Buffalo ARU State 1
Sec 18K-16S-35E
Lea County, NM
Updated: 27 May 2010 SJH**