

Office:

June 19, 2008

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

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

Energy, Minerals and Natural Resources

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-015-37314

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil &amp; Gas Lease No.

7. Lease Name or Unit Agreement Name

WELCH RL STATE

8. Well Number #5

9. OGRID Number 281994

10. Pool name or Wildcat:

Red Lake, San Andres (97253)

Artesia, Glorieta-Yeso (96830)

## 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

LRE OPERATING, LLC.

3. Address of Operator

c/o Mike Pippin LLC, 3104 N. Sullivan, Farmington, NM 87401

4. Well Location

Unit Letter F : 1650 feet from the NORTH line and 2310 feet from the WEST lineSection 28 Township 17-S Range 28-E NMPM Eddy County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

3626' GL

## 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: Recomplete into San Andres ☒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.

LRE would like to recomplete this well from the Artesia, Glorieta-Yeso to the Red Lake, San Andres as follows: MIRUSU. TOH w/rods, pump, & tbg. Set a 5-1/2" CBP @ about 3380' & PT csg & CBP. (Existing Yeso perfs are @ 3416'-3510'). Perf lower San Andres @ about 3050'-3307' w/about 35 holes. Stimulate with about 3000 gal 15% NEFE acid & frac w/about 85,750# 16/30 sand in 25# X-linked gel.

Set a 5-1/2" CBP @ about 3032' & PT csg & CBP. Perf middle San Andres @ about 2732'-3011' w/about 39 holes. Stimulate with about 3000 gal 15% NEFE acid & frac w/about 94,250# 16/30 sand in 25# X-linked gel.

Set a 5-1/2" CBP @ about 2710' & PT csg & CBP. Perf upper San Andres @ about 2380'-2691' w/about 54 holes. Stimulate with about 3200 gal 15% NEFE acid & frac w/about 104,750# 16/30 sand in 25# X-linked gel.

Set a 5-1/2" CBP @ about 2360' & PT csg & CBP. Perf upper San Andres @ about 2030'-2347' w/about 49 holes. Stimulate with about 3200 gal 15% NEFE acid & frac w/about 107,000# 16/30 sand in 25# X-linked gel.

CO after frac & drill out CBPs @ 2360', 2710', & 3032' & CO to CBP @ 3380'. Land 2-7/8" production tbg @ about 3320'. Run pump & rods & release workover rig. Complete as a single Red Lake, San Andres oil well. After a few months of San Andres production, the well will be evaluated for DHC. See the attached wellbore diagram.

Spud Date: 11/11/09

Drilling Rig Release Date: 11/21/09

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

SIGNATURE

Type or print name Mike Pippin

For State Use Only

TITLE Petroleum Engineer - Agent

DATE 2/18/13

E-mail address: mike@pippinllc.com

PHONE: 505-327-4573

APPROVED BY:

Conditions of Approval (if any):

TITLE

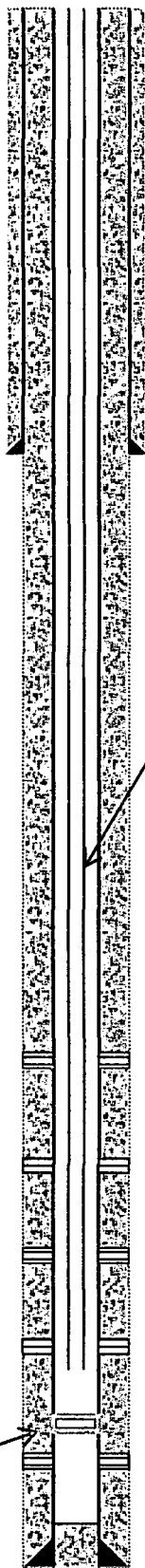
DATE



**LIME ROCK  
RESOURCES**

**LRE Operating LLC,  
Proposed San Andres Recompletion**

**Welch RL State #5  
Sec 28-17S-28E (F)  
1650' FNL, 2310' FWL  
Elevation – 3,626'  
API #: 30-015-37314  
Eddy County, NM**



8-5/8", 24#, J-55, ST&C Casing @ 390'. Circulated  
125 sx to surface.

2-7/8"; 6.5#, J-55 Tubing, TAC at 2000', SN at 3320', 4' slotted  
sub, 1 jt MA w BP at ~ 3355'.  
54- 7/8" D rods, 75- 3/4" D rods, 3- 1.5" kbars, 2.5"x1.75"x20'  
RHBC- HVR pump

CBP at 3380'

**Proposed Stage #4:**

Perforate 2030'-2347'; 1 spf, 49 holes; Frac 3200 g 15% HCL and 74 ball sealers, 55,500 g x-linked gel, 71,000 lbs 16/30 Brady, 36,000 lbs 16/30 resin coated sand at 55 BPM.

**Proposed Stage #3:**

Perforate 2380'-2691'; 1 spf, 54 holes; Frac 3200 g 15% HCL and 81 ball sealers, 54,500 g x-linked gel, 68,750 lbs 16/30 Brady, 36,000 lbs 16/30 resin coated sand at 55 BPM.

**Proposed Stage #2:**

Perforate 2732'-3011'; 1 spf, 39 holes; Frac 3000 g 15% HCL and 59 ball sealers, 49,000 g x-linked gel, 65,000 lbs 16/30 Brady, 29,250 lbs 16/30 resin coated sand at 55 BPM.

**Proposed Stage #1:**

Perforate 3050'-3307'; 1 spf, 35 holes; Frac 3000 g 15% HCL and 53 ball sealers, 45,000 g x-linked gel, 56,500 lbs 16/30 Brady, 29,250 lbs 16/30 resin coated sand at 55 BPM.

**Perfs:** 3,416' – 3,510' (1 SPF – 48 holes)

**Stim Info:** 5418 gal 15% NEFE. Frac w/ 20# x-linked gel + 58,656# of 16/30 + 12,463# of 12/20. (12/3/09)

**PBTD @ 3,564'**

5-1/2"; 17#, J-55; ST&C Casing @ 3,612'. Circulated  
128 sx to surface. (11/20/2009)

**TD @ 3,625'**

**GEOLOGY**

<u>Zone</u>	<u>Top</u>
Queen	1,210'
Grayburg	1,630'
San Andres	1,918'
Glorieta	3,315'
Paddock	3,409'

**SURVEYS**

<u>Degrees</u>	<u>Depth</u>
1°	385'
1/2°	1,002'
3/4°	1,508'
1-1/4°	2,013'
1°	3,023'
1-1/2°	3,623'