

District I - (575) 393-6161

ARTESIA Energy, Minerals and Natural Resources

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 87410

District IV - (505) 476-3460

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

87505

NOV 10 2014

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

RECEIVED Santa Fe, NM 87505

WELL API NO.

30-015-41832

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil &amp; Gas Lease No.

7. Lease Name or Unit Agreement Name

HORSESHOE STATE

8. Well Number #3

9. OGRID Number 281994

10. Pool name or Wildcat

Red Lake, Glorieta-Yeso NE (96836)

## 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 : 1655 feet from the North line and 1690 feet from the West line

Section 30 Township 17-S Range 28-E NMPM Eddy County

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

3564' 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 ☐CLOSED-LOOP SYSTEM ☒

OTHER: Payadd in Yeso

☒

## 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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

LRE would like to perform a payadd workover in the Yeso. MIRUSU. TOH w/ESP pump &amp; tbq. Set a 5-1/2" CBP @ ~4350' (existing perfs @ 4628'-5010') &amp; PT 5-1/2" csg &amp; CBP to ~3500 psi. Perf Yeso @ ~4046'-4313' w/ ~30 holes. Stimulate with ~1500 gal 15% HCL acid &amp; frac w/~30,000# 100 mesh &amp; ~238,140# 40/70 Ottawa sand in slick water.

Set a CBP @ ~3950 &amp; PT 5-1/2" csg &amp; CBP to ~3500 psi. Perf Yeso @ ~3664'-3888' w/ ~29 holes. Stimulate with ~1500 gal 15% HCL acid &amp; frac w/~30,000# 100 mesh &amp; ~190,512# 40/70 Ottawa sand in slick water.

Set a CBP @ ~3550 &amp; PT 5-1/2" csg &amp; CBP to ~3500 psi. Perf Yeso @ ~3340'-3490' w/ ~26 holes. Stimulate with ~1500 gal 15% HCL acid &amp; frac w/~30,000# 100 mesh &amp; ~142,884# 40/70 Ottawa sand in slick water.

CO after frac &amp; drill out CBPs @ 3550', 3950', &amp; 4350' &amp; CO to ~PBD @ 5068'. Land ESP on 2-7/8" 6.5# J-55 tbq @ ~3300'. Complete as a single Yeso oil well. See the attached wellbore diagram.

Spud Date: 5/15/14

Drilling Rig Release Date: 5/21/14

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

SIGNATURE

Mike Pippin

TITLE Petroleum Engineer - Agent

DATE 11/7/14

Type or print name

Mike Pippin

E-mail address:

mike@pippinllc.com

PHONE:

505-327-4573

For State Use Only

APPROVED BY:

RDade


TITLE

Dist Supervisor

DATE

11/13/14

Conditions of Approval (if any):

	County	EDDY	Well Name	Horseshoe State #3	Field:	Redlake Glorieta-Yeso NE	Well Sketch:	AFE D13082
	Surface Lat:	32.8075367°N	BH Lat:	32.8075367°N	Survey:	S30-T17S-R28E Unit F	API #	30-015-41832
	Surface Long:	104.2175701°W	BH Long:	104.2175701°W		1655' FNL & 1690' FWL	OGRID #	281994

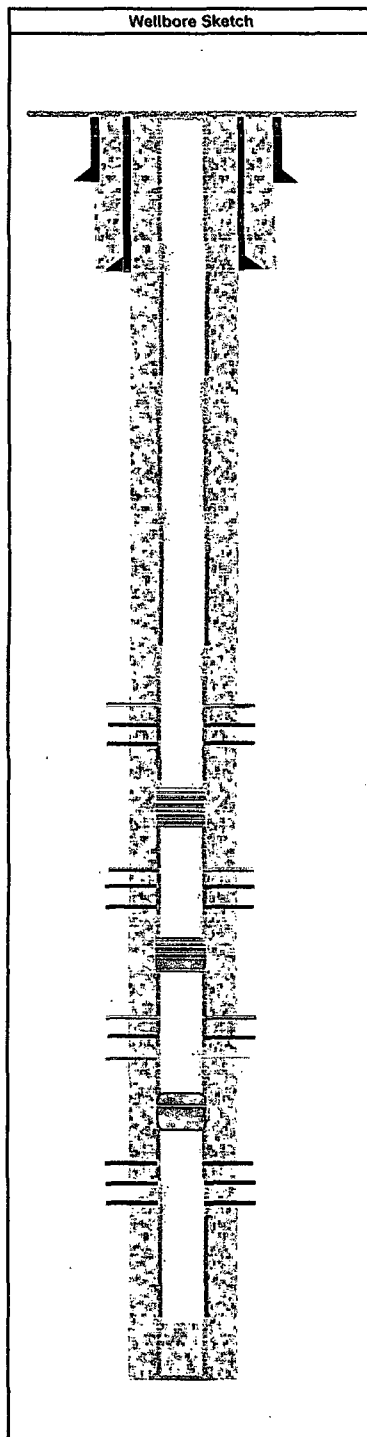
Directional Data:	
KOP	Vertical Well
Max Dev.:	
Dleg sev:	
Dev @ Perfs	
Ret to Vert:	

Drilling / Completion Fluid							
Drilling Fluid: 10.2 PPG Brine / Salt Gel							
Drilling Fluid:							
Completion Fluid: 2% KCL							
Completion Fluid:							
Packer Fluid: NA							

Tubular Data							
Tubulars	Size	Weight	Grade	Thread	TVD	MD	TOC
Conductor	14"	65.7	B	Weld	40'	40'	SURF
Surface	8 5/8"	24#	J-55	STC	464'	464'	SURF
Intermediate							
Production	5 1/2"	17#	J-55	LTC	5,122'	5,122'	SURF
Liner							

CEMENT DATA							
	L/sks	Yld	Wt	T/sks	Yld	Wt	XS
Surface	100	1.35	14.8	450	1.35	14.8	360 sx
Intermediate							
Liner							
Production	300	1.9	12.8	650	1.33	14.8	73 SX

Wellhead Data	
Type:	
W/P:	
Tree Cap	Flange:
	Thread:
Tbg Hanger:	
8TM Flange:	
BPV Profile:	NA
Elevations:	GL - RKB = 11.8'
RKB:	3575.3
GL:	3,563.5'



Completion Information					
DEPTHS (MD)	FORMATION TOPS / WELL INFO	PERFORATIONS		# of HOLES	
		from	to		
0					
40'	20" Hole				
464'	11" Hole				
500'	Seven Rivers				
1,030'	Queen				
1,436'	Grayburg				
1,719'	Premier				
1,764'	San Andres				
3,157'	Glorieta				
3,289'	Yeso				
2 7/8" 6.4# J55 tbg w ESP intake at 3140'					
An ESP's will be drilled out and cemented yeso & Tubbs					
	Yeso Stage #3	3,340'	3,490'	26	
CBP at 3590'					
	Yeso Stage #2	3,664'	3,888'	29	
CBP at 3970'					
	Yeso Stage #1	4,046'	4,313'	30	
CBP at 4500'					
4,628'	Tubb				
	Tubb Stage #1	4,628'	5,011'	38	
	PBTD				
5,122'	PROD CSG				
Comments:		Plug back Depth:		MD	
		Total Well Depth:		5,124'	MD
		Prepared By:		Date:	
		Eric McClusky		6-Nov-14	

DETAILS	
14" Conductor Pipe	
8-5/8" Surf Csg Circ 360 sx Cmt to surf	
150', 1500 g 15% HCL, 5,780 bbls water,	
142,884 # 40/70 Ottawa, 30,000 # 100 Mesh	
224', 1500 g 15% HCL, 6,840 bbls water,	
234,140 # 40/70 Ottawa, 30,000 # 100 Mesh	
267', 1500 g 15% HCL, 7,900 bbls water,	
383', 2000 g 15% HCL, 25,800 bbls fresh water,	
319,410 # 40/70 Ottawa, 37,800 # 100 Mesh	
Float Collar	
5-1/2" Prod Csg. Circ 73 SX Cmt to Surf	