

DATE IN 10/23/13	SUSPENSE	ENGINEER PG	LOGGED IN 10/24/2013	TYPE DHC	PPRG 1329755000
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ABOVE THIS LINE FOR DIVISION USE ONLY

## NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

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



ENRON STATE #17 -- 30-015-39996

### ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

#### Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]  
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]  
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]  
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]  
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]  
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

#### [1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication  
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement  
☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify \_\_\_\_\_

LRE  
 ENRON state #17  
 30-015-39996  
 DHC

#### [2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☐ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO  
 U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

Pool  
 - Antesia; Queen  
 GRAYBUNG-SAN  
 ANDRES  
 3230  
 - Antesia; Gloniet-  
 YES  
 46830

#### [3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate and complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Mike Pippin  
 Print or Type Name

*Mike Pippin*  
 Signature

Petroleum Engineer  
 Title

October 23, 2013  
 Date

mike@pippinllc.com  
 e-mail Address

LRE OPERATING, LLC  
Mike Pippin  
3104 N. Sullivan Avenue  
Farmington, NM 87401  
505-327-4573 (phone) mike@pippinllc.com

October 23, 2013

NMOCD  
c/o Phil Goetze  
1220 South St. Francis Drive  
Santa Fe, NM 87505

**RE: C-107A TO COMMINGLE TWO POOLS**  
**ENRON STATE #17**– API#: 30-015-39996  
Unit Letter "C" Section 32 T17S R28E  
Eddy County, New Mexico

Dear Mr. Goetze,

The referenced oil well was completed on March 28, 2012 in the Artesia, Glorieta-Yeso (96830). We have submitted an NOI sundry notice to recomplete this well into the Artesia, Queen-Grayburg-San Andres (3230). See the attached sundry notice. LRE would like to commingle these two pools following recompletion operations. Interests in these two pools are identical. The NM Commissioner of Public Lands has also been notified.

The pool allocations will be calculated by subtracting the current Yeso production of 15 BOPD & 48 MCF/D from the total production from the well after about 2 months of commingled production.

Please contact me at 505-327-4573 should you have any questions.

Very truly yours,



Mike Pippin

Petroleum Engineer

**District I**  
1625 N. French Drive, Hobbs, NM 88240

**District II**  
1301 W. Grand Avenue, Artesia, NM 88210

**District III**  
1000 Rio Brazos Road, Aztec, NM 87410

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107A  
Revised June 10, 2003

**Oil Conservation Division**  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

APPLICATION TYPE

☒ Single Well  
☐ Establish Pre-Approved Pools  
EXISTING WELLBORE  
☒ Yes ☐ No

**APPLICATION FOR DOWNHOLE COMMINGLING**

**LRE OPERATING, LLC** c/o Mike Pippin LLC (agent), 3104 N. Sullivan, Farmington, NM 87401  
Operator Address

**ENRON STATE #17** **C SEC. 32 T17S R28E** **Eddy**  
Lease Well No. Unit Letter-Section-Township-Range County

OGRID No. 281994 Property Code 309885 API No. 30-015-39996 Lease Type: ☐ Federal ☒ State ☐ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	<b>ARTESIA; -Queen-Grayburg-San Andres</b>		<b>ARTESIA: Glorieta-Yeso</b>
Pool Code	3230		96830
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	~1896-3311'		3430'-4097'
Method of Production (Flowing or Artificial Lift)	Plan to Pump		Pumping
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	690 psi		851 psi
Oil Gravity or Gas BTU (Degree API or Gas BTU)	34.8		38.32
Producing, Shut-In or New Zone	Prospective		Producing
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date:	Date: Rates:	Date: 8/13/13 Rates: 15 BOPD 48 MCF/D
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas % %	Oil Gas % %	Oil Gas % %

**ADDITIONAL DATA**

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes ☒ No ☐  
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes ☐ No ☐

Are all produced fluids from all commingled zones compatible with each other? Yes ☒ No ☐

Will commingling decrease the value of production? Yes ☐ No ☒

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes ☒ No ☐

NMOCD Reference Case No. applicable to this well: \_\_\_\_\_

**Attachments:**

C-102 for each zone to be commingled showing its spacing unit and acreage dedication.  
Production curve for each zone for at least one year. (If not available, attach explanation.)  
For zones with no production history, estimated production rates and supporting data.  
Data to support allocation method or formula.  
Notification list of working, royalty and overriding royalty interests for uncommon interest cases.  
Any additional statements, data or documents required to support commingling.

**PRE-APPROVED POOLS**


If application is to establish Pre-Approved Pools, the following additional information will be required:  
List of other orders approving downhole commingling within the proposed Pre-Approved Pools  
List of all operators within the proposed Pre-Approved Pools  
Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.  
Bottomhole pressure data.

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 October 23, 2013

TYPE OR PRINT NAME Mike Pippin TELEPHONE NO. ( 505 ) 327-4573

E-MAIL ADDRESS mike@pippinllc.com

	County	EDDY	Well Name	Enron State #17	Field	Redlake; Glorieta-Yeso NE	Well Sketch	AFE# R13029
	Surface Lat:	32.7971794°N	BH Lat:	32.7968194°N	Survey:	S32-T17S-R28E Unit C	LRE Operating, LLC; San Andres Recompletion	API # 30-015-39996
	Surface Long:	104.1979664°W	BH Long:	104.1984143°W		230° FNL & 2420' FWL	OGRID #	261994

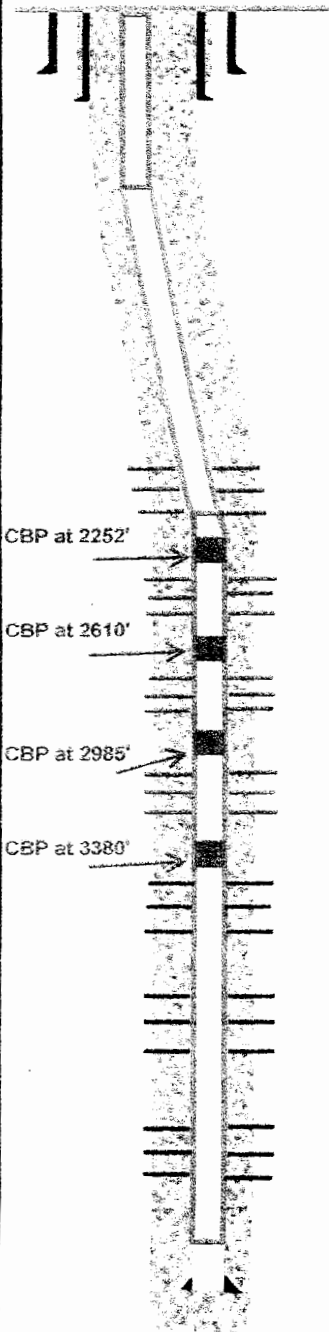
  

<b>Directional Data:</b>			<b>Tubular Data</b>								<b>Wellhead Data</b>	
KOP	680	MD/TVD	Tubulars	Size	Weight	Grade	Thread	TVD	MD	TOC	Type:	
Max Dev:	11.7	1472' MD 1464' TVD	Conductor	14"	55.5#	B	Weld	40'	40'	SURF	WP:	
Dieg sev:	3	1030' MD 1029' TVD	Surface	8 5/8"	24#	J-55	STC	438'	438'	SURF	Tree Cap	Flange:
Dev @ Perfs	0.7	3798' MD 3782' TVD	Intermediate								Thread:	
Ret to Vert:	2478'	MD 2462' TVD	Production	5 1/2"	17#	J-55	LTC	4,188'	4,204'	SURF	Tbg Hanger:	

<b>Drilling / Completion Fluid</b>			<b>CEMENT DATA</b>							
Drilling Fluid: 10.2 PPG Brine / Salt Gel				L/sks	Yld	Wt	T/sks	Yld	Wt	XS
Drilling Fluid:			Surface	300	1.34	14.8	NA	NA	NA	155 sx
Completion Fluid: 2% KCL			Intermediate							
Packer Fluid: NA			Production	250	1,903	12.8	360	1,328	14.8	30 sx

<b>Wellbore Sketch</b>											
											

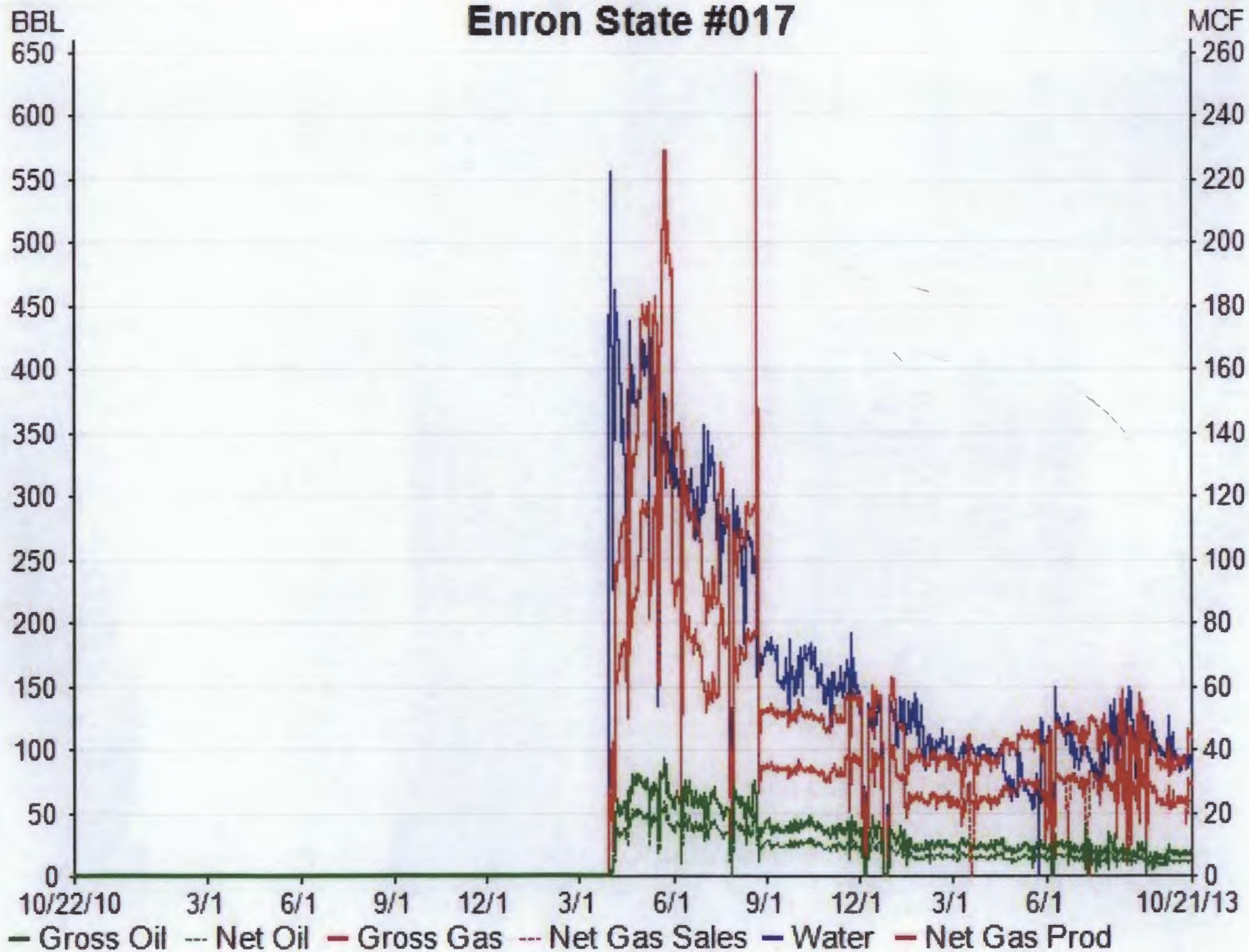
  

Proposed 4 Stage San Andres Recompletion & Commingle with Yeso											
DEPTHS (MD)/(TVD)	WELL INFO	PERFORATIONS		# of HOLES	DETAILS						
0		from	to								
40'	20" Hole				14" Conductor Pipe						
438'	12-1/4" Hole				8-5/8" Surf Csg Circ 104 sx Cmt to surf						
680'	7-7/8" hole KOP				Kick off to 2°/100'						
1193' / 1190'	Queen Formation										
1219' / 1215'	End Build				End Build - Start 114° Tangent						
1535' / 1525'	End Tangent - Start Drop				Drop - Start @ 3°/100'						
1852' / 1838'	Premier Sand				Vert Sec = 165' (unorthodox sand top location)						
2260' / 2244'	Middle San Andres				Vert Sec = 200' (standard sand top location)						
2480' / 2464'	Return to Vertical				Return to vertical						
2 7/8" tbg, TAC@1796', SH@4045', 4" slotted sub, 2 jr MA w BP@4114'											
	Stage #4: San Andres	1,895'	2,235'	25	338' - 2000 g 15% HCL & 39 bio balls; 45,000 g 20# xlink gel, 46,500 # 16/30 Brady & 13,500 # 16/30 Resin 1# - 4.5# @ 65 BPM						
	Stage #3: San Andres	2,268'	2,575'	25	307' - 3000 g 15% HCL & 39 bio balls; 58,000 g 20# xlink gel, 78,500 # 16/30 Brady & 13,000 # 16/30 Resin 1# - 4.5# @ 65 BPM						
	Stage #2: San Andres	2,650'	2,971'	33	321' - 3200 g 15% HCL & 50 bio balls; 62,000 g 20 # xlink gel, 84,000 # 16/30 Brady & 18,000 # 16/30 Resin 1# - 4.5# @ 65 BPM						
	Stage #1: San Andres	3,000'	3,311'	31	311' - 3100 g 15% HCL & 47 bio balls; 52,000 g 25# xlink gel, 78,500 # 16/30 Brady & 13,000 # 16/30 Resin 1# - 4.5# @ 65 BPM						
2869' / 2853'	Lower San Andres										
3356' / 3350'	Glorieta										
3430' / 3414'	Stage 3 Glorieta- U Yeso (3/23/2012)	3,430'	3,574'	31	144' Stg 3 (1 spf, 0.41" EHD or better, >31" Pen) 1470 g 7.5% HCL & 47 bio balls; 39,816 gal 20# gel 52,969 # 16/30 Brady & 18,535 # 16/30 Resin						
3461' / 3445'	Yeso (Paddock)										
3610' / 3594'	Lower Yeso (Blinberry)										
3680' / 3644'	Stage 2 L Yeso Frac (3/23/2012)	3,660'	3,839'	41	179' Stg 2 (1 & 2 SPF, 0.41" EHD or better, >31" pen) 2500 g 7.5% HCL & 62 bio balls; 44,019 gal 25# gel 45,381 # 16/30 Brady & 20,396 # 16/30 Resin .75#-4#						
3892' / 3876'	Stage 1 L Yeso Frac (3/23/2012)	3,892'	4,098'	41	206' Stg 1 (1 & 2 SPF, 0.41" EHD or better, >31" pen) 2500 g 7.5% HCL & 62 bio balls; 42,000 gal 25 # gel 60,523 # 16/30 Brady .75# - 4# @ 60 BPM						
4194' / 4178'	PBTD				5-1/2" Float Collar						
4204' / 4188'	PROD CSG				5-1/2" Prod Csg. Circ 30 SX Cmt to Surf						

Comments: NM OCD CLP 0212577		Plug back Depth:	4178' TVD	4194' MD
		Total Well Depth:	4199' TVD	4215' MD
		Prepared By:	Date:	
		Eric McClusky	16-Oct-13	

# Enron State #017





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 87410  
District IV - (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-103  
Revised July 18, 2013

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. 30-015-39996
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator <b>LRE OPERATING, LLC</b>		6. State Oil & Gas Lease No.
3. Address of Operator c/o Mike Pippin LLC, 3104 N. Sullivan, Farmington, NM 87401		7. Lease Name or Unit Agreement Name <b>ENRON STATE</b>
4. Well Location Unit Letter <u>C</u> : <u>230</u> feet from the <u>North</u> line and <u>2420</u> feet from the <u>West</u> line Section <u>32</u> Township <u>17-S</u> Range <u>28-E</u> NMPM <u>Eddy</u> County		8. Well Number <u>#17</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3703' GL		9. OGRID Number <u>281994</u>
		10. Pool name or Wildcat Artesia, Glorieta-Yeso (96830) Artesia, Queen-Grayburg-San Andres (3230)

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: Recomplete to San Andres & DHC ☒

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 recomplete into the San Andres & DHC with the existing Yeso as follows: MIRUSU. TOH w/rods, pump, & tbg. Set a CBP @ MD3380 (above existing Yeso perfs @ MD3430'-4097'). PT 5-1/2" csg & CBP to 3500 psi. Perf lower San Andres @ ~MD3000'-3311' w/ ~31 holes. Stimulate with ~3100 gal 15% HCL acid & frac w/ ~97,000# 16/30 sand in 25# X-linked gel.

Set a 5-1/2" CBP @ ~MD2985' & PT csg & CBP to ~3500 psi. Perf middle San Andres @ ~MD2650'-2971' w/ ~33 holes. Stimulate with ~3200 gal 15% HCL acid & frac w/ ~102,000# 16/30 sand in 20# X-linked gel.

Set a 5-1/2" CBP @ ~MD2610' & PT csg & CBP to ~3500 psi. Perf upper San Andres @ ~MD2268'-2575' w/ ~26 holes. Stimulate with ~3000 gal 15% HCL acid & frac w/ ~97,000# 16/30 sand in 20# X-linked gel.

Set a 5-1/2" CBP @ ~MD2252' & PT csg & CBP to ~3500 psi. Perf upper San Andres @ ~MD1896'-2235' w/ ~26 holes. Stimulate with ~2000 gal 15% HCL acid & frac w/ ~60,000# 16/30 sand in 20# X-linked gel.

CO after frac & drill out CBPs @ MD2252', 2610', 2985 & 3380' & CO to ~PBD @ 4193'. Land 2-7/8" production tbg @ ~MD4114'. Run pump & rods & release workover rig. Complete as a commingled Yeso / San Andres oil well. **Work will not start until the DHC application in Santa Fe is approved.** See the attached wellbore diagram.

Spud Date: 3/5/12

Drilling Rig Release Date: 3/12/12

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 10/22/13

Type or print name Mike Pippin E-mail address: mike@pippinllc.com PHONE: 505-327-4573

**For State Use Only**

APPROVED BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Conditions of Approval (if any):

LRE OPERATING, LLC  
Mike Pippin  
3104 N. Sullivan Avenue  
Farmington, NM 87401  
505-327-4573 (phone) mike@pippinllc.com

October 23, 2013

New Mexico Commissioner of Public Lands  
Attention: Pete Martinez  
310 Old Santa Fe Trail  
PO Box 1148  
Santa Fe, NM 87504-1148

**RE: Notification of Downhole Commingling**  
**ENRON STATE #17**– API#: 30-015-39996  
Unit Letter "C" Section 32 T17S R28E  
Eddy County, New Mexico

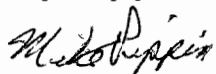
Dear Mr. Martinez:

LRE would like to commingle the existing, producing Artesia, Glorieta-Yeso interval with the proposed Artesia, Queen-Grayburg-San Andres interval. The designated acreage for the proposed commingle will be the northeast quarter of the northwest quarter of section 32.

This letter is to notify you that we have submitted the necessary application and supporting data to the New Mexico Oil Conservation Division. A check for \$30 is enclosed with this notification along with a copy of the State application.

Please contact me at 505-327-4573 should you have any questions.

Very truly yours,



Mike Pippin  
Petroleum Engineer

**District I**

1625 N. French Dr., Hobbs, NM 88240

**District II**

1301 W. Grand Avenue, Artesia, NM 88210

**District III**

1000 Rio Brazos Rd., Aztec, NM 87410

**District IV**

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

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 October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

**AS DRILLED**☐ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number 30-015-39996	<sup>2</sup> Pool Code 3230	<sup>3</sup> Pool Name Artesia, Queen-Grayburg-San Andres
<sup>4</sup> Property Code 309885	<sup>5</sup> Property Name <b>ENRON STATE</b>	<sup>6</sup> Well Number 17
<sup>7</sup> OGRID No. 281994	<sup>8</sup> Operator Name <b>LRE OPERATING, LLC.</b>	<sup>9</sup> Elevation 3703' GL

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	32	17-S	28-E		230	NORTH	2420	WEST	EDDY

<sup>11</sup> 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
C	32	17-S	28-E		343	NORTH	2260	WEST	EDDY

<sup>12</sup> Dedicated Acres 40	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
-------------------------------------	-------------------------------	----------------------------------	-------------------------

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.

2420'	343'	230'	SURFACE	<sup>17</sup> <b>OPERATOR CERTIFICATION</b> 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. Signature <u>Mike Pippin</u> Date 10/22/13 Printed Name <u>Mike Pippin</u>
2260'	BOTTOM HOLE AS DRILLED			
32				<sup>18</sup> <b>SURVEYOR CERTIFICATION</b> 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. 9/2/11 Date of Survey Signature and Seal of Professional Surveyor: Helmut Jaramillo 12797 Certificate Number



District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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 October 15, 2006  
Submit one copy to appropriate  
District Office

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number <b>30-015-39996</b>	Pool Code <b>96830</b>	Pool Name <b>ARTESIA; GLORIETA - YESO</b>
Property Code <b>30 9886</b>	Property Name <b>ENRON STATE</b>	Well Number <b>17</b>
OGRID No. <b>281994</b>	Operator Name <b>LRE Operating, LLC</b>	Elevation <b>3702.5</b>

**Surface Location**

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
C	32	17 S	28 E		230	NORTH	2420	WEST	EDDY

**Bottom Hole Location If Different From Surface**

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
C	32	17 S	28 E		360	NORTH	2280	WEST	EDDY

Dedicated Acres <b>40</b>	Joint or Infill	Consolidation Code	Order No.
------------------------------	-----------------	--------------------	-----------

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.

<p>NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1927 (NAD27), AND ARE IN DECIMAL DEGREE FORMAT</p>	<p><b>OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that the same was obtained from a working interest or other interested parties in the tract on which the proposed bottom hole location has a right to drill this well. This location was obtained by a survey conducted by me or under my supervision and is correct to the best of my belief.</p> <p>Signature: <i>[Signature]</i> Date: <b>2/23/12</b></p> <p>Printed Name: <b>ROBERT S. ASHWORTH</b></p> <p><b>SURVEYOR CERTIFICATION</b> 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>Date of Survey: <b>SEPTEMBER 2, 2011</b></p> <p>Signature and Seal of Professional Surveyor: <i>[Signature]</i></p> <p>Certificate Number: <b>ERMON E. JARAMILLO, P.S. 12797</b></p> <p>SURVEY NO. <b>57</b></p> <p><b>12797</b></p>
--	--

*Robert Ashworth*