

ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
 - Engineering Bureau -  
 1220 South St. Francis Drive, Santa Fe, NM 87505



WILLIAMS A FEDERAL #12 - 30-015-41890

**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 \_\_\_\_\_

- DHC  
 - LRE Operating, LLC  
 281934  
 2015 APR 29 P 3:43  
 RECEIVED OGD

[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, Glorieta  
 YES (10)  
 96830  
 - Ned Lake, Queen  
 Grayburg - SA  
 51300  
 - Williams A  
 Federal #12  
 30-015-41890

[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	 Signature	Petroleum Engineer Title	April 28, 2015 Date
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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

April 28, 2015

NMOCD  
c/o Mike McMillan  
1220 South St. Francis Drive  
Santa Fe, NM 87505

**RE: C-107A TO COMMINGLE TWO POOLS**  
**WILLIAMS A FEDERAL #12**– API#: 30-015-41890  
Unit Letter "N" Section 29 T17S R28E  
Eddy County, New Mexico

Dear Mr. McMillan,

The referenced oil well has produced since March 15, 2014 from the Artesia, Glorieta-Yeso (96830). LRE would like to open a new upper pool, the Red Lake, Queen-Grayburg-San Andres (51300) and commingle the two pools. Interests in these two pools are identical. The attached sundry notice has been submitted to the BLM for this work.

The production allocations will be calculated by subtracting the current (Yeso) production of 15 BOPD, 47 MCF/D, & 44 BWPD from the total well production after about two months of commingled production. We plan to submit these calculations and the resulting allocations to the district office after the well has been on line for about 2 months.

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

Very truly yours,



Mike Pippin

Petroleum Engineer

District I  
1623 N. Francis Drive, Hobbs, NM 88240

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

District III  
1000 Ego Brazos Road, Acton, 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

**WILLIAMS A FEDERAL #12** N SEC. 29 T17S R28E Eddy  
Lease Well No. Unit Letter-Section-Township-Range County

OGRID No. 281994 Property Code 309877 API No. 30-015-41890 Lease Type:  Federal  State  Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	RED LAKE; Queen-Grayburg-San Andres		ARTESIA; Glorieta-Yeso
Pool Code	51300		96830
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	1980'-3291'		3536'-3618'
Method of Production (Flowing or Artificial Lift)	Plan to Pump		Pumping
Bottomhole Pressure <small>(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)</small>	690 psi		851 psi
Oil Gravity or Gas BTU <small>(Degree API or Gas BTU)</small>	34.8		38.32
Producing, Shut-In or New Zone	New Zone		Producing
Date and Oil/Gas/Water Rates of Last Production <small>(Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)</small>	Date: RATES:	Date: Rates:	Date: 3/24/15 Rates: 15 BOPD 47 MCF/D 44 BWPD
Fixed Allocation Percentage <small>(Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)</small>	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 April 28, 2015  
 TYPE OR PRINT NAME Mike Pippin TELEPHONE NO. ( 505 ) 327-4573  
 E-MAIL ADDRESS mike@pippinllc.com

	County	EDDY	Well Name	Williams A Federal #12	Field:	Redlake Glorieta-Yeso NE	Well Sketch:	AFE R15022 LRE Operating, LLC
	Surface Lat:	32.7987095°N	BH Lat:	32.7977067°N	Survey:	S29-T17S-R28E Unit N	API #	30-015-41890
	Surface Long:	104.1986826°W	BH Long:	104.2058501°W		330' FSL & 2200' FWL	OGRID #	281984

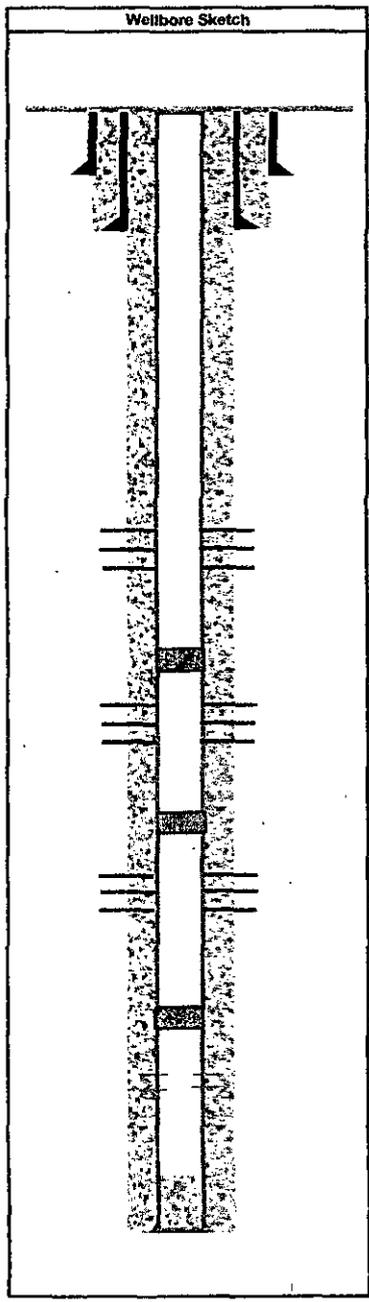
Directional Data:	
KOP	600'
Max Dev.:	28.4
Dleg sev.:	5.8
Dev @ Perfs	0.4
Ret to Vert:	2434'

Tubular Data							
Tubulars	Size	Weight	Grade	Thread	TVD	MD	TOC
Conductor	14"	68.7#	B	Weld	40'	40'	SURF
Surface	8 5/8"	24#	J-55	STC	437'	437'	SURF
Intermediate							
Production Liner	5 1/2"	17#	J-55	LTC	3,585'	3,694'	SURF

Wellhead Data	
Type:	
WP:	
Tree Cap	Flange:
	Thread:
Tbg Hanger:	
8TM Flange:	
BPV Profile:	NA
Elevations:	GR - RKB = 11.8'
RKB:	3721.6
GL:	3,709.8'

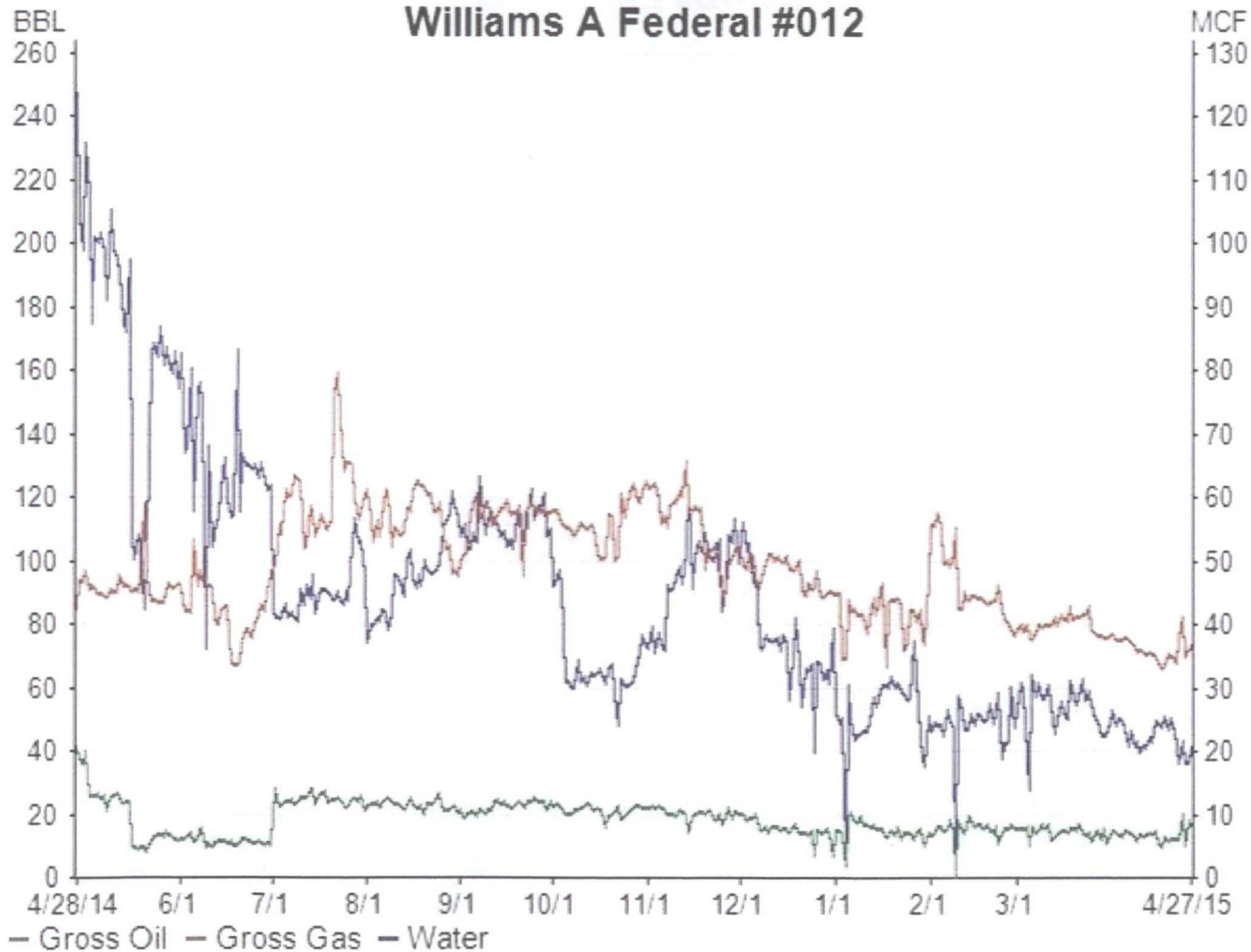
Drilling / Completion Fluid	
Drilling Fluid:	10.2 PPG Brine / Salt Gel
Drilling Fluid:	
Completion Fluid:	2% KCL
Completion Fluid:	
Packer Fluid:	NA

CEMENT DATA							
	L/sks	Yld	Wt	T/sks	Yld	Wt	XS
Surface	300	1.35	14.8	NA	NA	NA	25 sx
Intermediate							
Liner							
Production	300	1.9	12.8	335	1.33	14.8	150 sx



Completion Information					DETAILS	
DEPTHS (MD)	FORMATION TOPS / WELL INFO	PERFORATIONS		# of HOLES		
		from	to			
0						
40'	20" Hole				14" Conductor Pipe	
437'	12 1/4" Hole				8-5/8" Surf Csg Circ 25 sx Cmt to surf	
636'	Seven Rivers					
1,238'	Queen					
1,713'	Grayburg					
2,045'	San Andres					
2 7/8" tbg, TAC at 1880', SN at 3300', 4' slotted sub, 1 ft MA w BP at 3335'						
21-1" KD rods, 44- 1" KD 5 guides/rod, 24- 7/8" KD 5 guides/rod, 39- 7/8" KD rods, 4- 1.5" kbars, 2.5"x2"x20' RHBC-HVR pump						
Weatherford ALX 320-256-120 Pumping Unit- 30 HP Motor, 100" SL at 8 SPM						
	San Andres	1,980'	2,201'	32	221', 1500 g 15% HCL, 4,114 bbbls water 30,000 # 100 Mesh, 119,700 # 40/70 Ottawa 80 + BPM	
CBP at 2330'						
	San Andres	2,461'	2,779'	33	318', 1500 g 15% HCL, 6,614 bbbls water 30,000 # 100 Mesh, 271,530 # 40/70 Ottawa 80 + BPM	
CBP at 2850'						
	San Andres	2,920'	3,291'	38	371', 1500 g 15% HCL, 7,214 bbbls water 30,000 # 100 Mesh, 311,430 # 40/70 Ottawa 80 + BPM	
3,430'	Glorieta					
CBP at 3450'						
3,536'	Yeso					
	Stage 1 Yeso Frac	3,536'	3,619'	42	83' Stg1 - See Frac Design above 5-1/2" Float Collar	
	PBTD					
3,694'	PROD CSG				5-1/2" Prod Csg Circ 150 SX Cmt to Surf	
Comments: NM OCD CLP					Plug back Depth:	MD
					Total Well Depth:	3591' TVD 3700' MD
					Prepared By:	Date:
					Eric McClusky	21-Apr-15

# Williams A Federal #012



— Gross Oil — Gross Gas — Water

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
NMNM048344

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
WILLIAMS A FEDERAL 12

2. Name of Operator  
LRE OPERATING, LLC

Contact: MIKE PIPPIN  
E-Mail: mike@pippinllc.com

9. API Well No.  
30-015-41890

3a. Address  
C/O MIKE PIPPIN 3104 N. SULLIVAN  
FARMINGTON, NM 87401

3b. Phone No. (include area code)  
Ph: 505-327-4573

10. Field and Pool, or Exploratory  
RED LAKE, Q-GR-SA 51300

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 29 T17S R28E SESW 330FSL 2200FWL

11. County or Parish, and State  
EDDY COUNTY, NM

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

THIS IS A REQUEST TO RECOMPLETE THIS YESO WELL TO THE SAN ANDRES.

MIRUSU. TOH w/rods, pump, & tbg. Set a 5-1/2" CBP @ ~3450' & PT to ~3500 psi. (Existing Yeso perfs are at 3536'-3618'). Perf lower SA @ ~2920'-3291' w/~38 holes. Treat new perfs w/~1500 gal 15% HCL & frac w/~30,000# 100 mesh & ~311,430# 40/70 Ottawa sand in slick water.  
Set a 5-1/2" CBP @ ~2850' & PT to ~3500 psi. Perf middle SA @ ~2461'-2779' w/~33 holes. Treat new perfs w/~1500 gal 15% HCL & frac w/~30,000# 100 mesh & ~271,530# 40/70 Ottawa sand in slick water.  
Set a 5-1/2" CBP @ ~2330' & PT to ~3500 psi. Perf upper SA @ ~1980'-2201' w/~32 holes. Treat new perfs w/~1500 gal 15% HCL & frac w/~30,000# 100 mesh & ~119,700# 40/70 Ottawa sand in slick water.  
CO after frac & drill out CBPs @ 2330' & 2850', & CO to CBP @ 3450'. Land 2-7/8" 6.5# J-55 production tbg @ ~3335'. Run pump & rods. Release workover rig. Complete as a single San Andres oil well. See the attached wellbore diagram & C-102 for the new pool. Following a test of the SA alone

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #299354 verified by the BLM Well Information System  
For LRE OPERATING, LLC, sent to the Carlsbad

Name (Printed/Typed) MIKE PIPPIN

Title PETROLEUM ENGINEER

Signature (Electronic Submission)

Date 04/27/2015

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office \_\_\_\_\_

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

**Additional data for EC transaction #299354 that would not fit on the form**

**.2. Additional remarks, continued**

and the approval of both the State & BLM DHC applications, the CBP @ 3450' will be removed and the well DHC.

**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 30-015-41890		<sup>2</sup> Pool Code 96830		<sup>3</sup> Pool Name Artesia, Glorieta-Yeso	
<sup>4</sup> Property Code 309877		<sup>5</sup> Property Name WILLIAMS A FEDERAL			<sup>6</sup> Well Number 12
<sup>7</sup> OGRID No. 281994		<sup>8</sup> Operator Name LRE OPERATING, LLC			<sup>9</sup> Elevation 3710' GL

<sup>10</sup> Surface Location

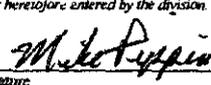
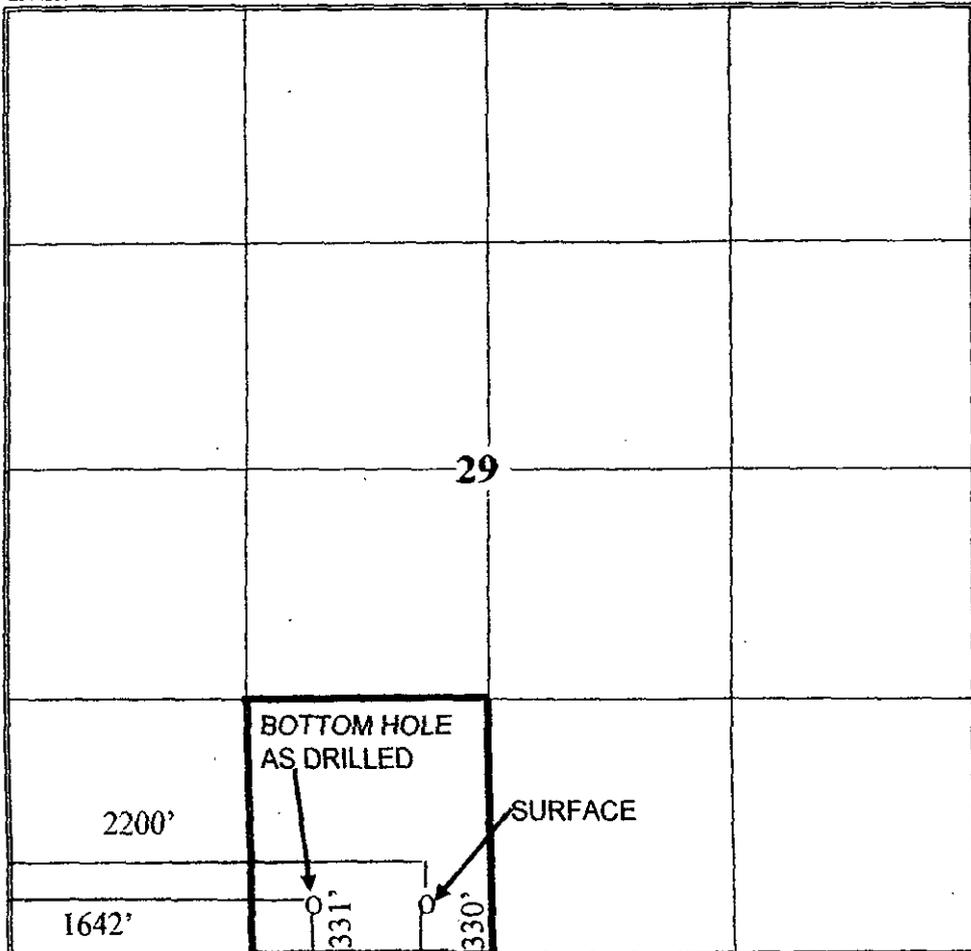
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	29	17-S	28-E		330	SOUTH	2200	WEST	EDDY

<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
N	29	17-S	28-E		331	SOUTH	1642	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.

2647.17'	29			<p><sup>17</sup> OPERATOR CERTIFICATION</p> <p><i>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.</i></p> <p style="text-align: right;">  3/24/14              Signature Date           </p> <p>             Mike Pippin              Printed Name           </p>	
				<p><sup>18</sup> SURVEYOR CERTIFICATION</p> <p><i>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.</i></p> <p>7/31/12</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor: Filmon F. Jaramillo</p> <p>12797</p> <p>Certificate Number</p>	
					

2611.04'

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 30-015-41890		<sup>2</sup> Pool Code 51300		<sup>3</sup> Pool Name Red Lake, Queen-Grayburg-San Andres	
<sup>4</sup> Property Code 309877		<sup>5</sup> Property Name WILLIAMS A FEDERAL			<sup>6</sup> Well Number 12
<sup>7</sup> OGRID No. 281994		<sup>8</sup> Operator Name LRE OPERATING, LLC			<sup>9</sup> Elevation 3710' 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
N	29	17-S	28-E		330	SOUTH	2200	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
N	29	17-S	28-E		331	SOUTH	1642	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.

2647.17'	29	2611.04'	<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: 4/27/14 Printed Name: <u>Mike Pippin</u>	
	<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. Date of Survey: 7/31/12 Signature and Seal of Professional Surveyor: <u>Filmont F. Jaramillo</u> 12797 Certificate Number			