

OCD Artesia
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION
ARTESIA DISTRICT

DEC 15 2014

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

LRE OPERATING, LLC.

3a. Address c/o Mike Pippin LLC

3104 N. Sullivan, Farmington, NM 87401

3b. Phone No. (include area code)

505-327-4573

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1650' FNL & 330' FWL Unit E

Sec. 29, T17S, R28E

5. Lease Serial No.

NMLC 046250B

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

WILLIAMS B FEDERAL #9

9. API Well No.

30-015-39238

10. Field and Pool, or Exploratory Area

Red Lake, San Andres (97253)

Artesia: Glorieta-Yeso (96830)

AND

Eddy County, New Mexico

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 type="checkbox"/> Recomplete <input checked="" type="checkbox"/> Other Drill CBP & DHC
	<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 Operations (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 recompleat 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 recompleat 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.)

Following the recompleat to San Andres, LRE would like to drill the CBP @ ~3190' & DHC the Yeso with the San Andres.

LRE requests administrative approval to downhole commingle the existing Artesia, Glorieta-Yeso (96830) and the proposed Red Lake, San Andres (97253). Both intervals have common ownership, we have not experienced any significant cross flows, & all the fluids are compatible. Downhole commingling will maximize the ultimate recovery of oil & gas & eliminate redundant surface equipment. We have secured State order DHC-4652. See the attached DHC worksheet & supporting data. The "Williams A & B Field Study of the Yeso & San Andres" dated 11/23/2013 reviewed & approved by EGF on 1/27/2014 has been accepted by BLM CFO as justification for a downhole pool commingling project on the Williams A & B Federal leases.

Accepted for record

NMOCD

12/9/14

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

Name (Printed/Typed)

Mike Pippin

Title

Petroleum Engineer (Agent)

Signature

Mike Pippin

Date

May 24, 2014

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

DEC 11 2014

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

BUREAU OF LAND MANAGEMENT

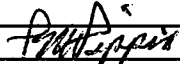
CARLSBAD FIELD OFFICE

Title 18 U.S.C. Section 1001, makes 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.

DOWNHOLE COMMINGLING WORKSHEET

Operator: LRE OPERATING, LLC
Lease/Well Name/API#/Location: NMLC-046250B, WILLIAMS B FEDERAL #9, 30-015-39238, E SEC 29 T17S R28E
Date: 5/26/2014

Data	Bottom Formation	Upper Formation	Estimated Combined Production Data
Pool Name:	Artesia, G-Y	Red Lake, San Andres	(See attached weighted average calculations)
Pool Code:	96830	97253	
State Form C-102 w/dedicated Acres provided:	Yes 40 acres	Yes 40 acres	
Formation Name:	Yeso	San Andres	
Top & Bottom of Pay Section (Perfed or OH interval):	3210'-3502' Perfed	~2004'-3163' Plan to Perf	
Method of Production:	Pumping	Plan to pump	
Bottom Hole Pressure:	851 psi	690 psi	
Reservoir Drive Mechanism:	Solution gas drive	Solution gas drive	
Oil Gravity &/or BTU:	35.8 / 1295*	34.1 / 1197*	34.1 / 1219
Average Sulfur Content (Wt%):	1.003*	1.2293*	1.2278
Oil Sample Analysis Provided:	Yes*	Yes*	
Gas Analysis Provided:	Yes*	Yes*	
Produce Water Analysis Provided:	Yes*	Yes*	
H2S Present:	9,500 ppm*	3500 ppm*	4827 ppm
Producing, Shut-in or New Zone:	Pumping	Plan to pump	
Date & Oil/Gas/Water rates of Last Production (new zones or no production history Operator shall attach production estimate & supporting data):	2/25/2014 0.5 BOPD 50 MCF/D 25 BWPD	Ave. SA From Lease 74 BOPD 176 MCF/D 185 BWPD **	Estimated Rates: 78 BOPD 240 MCF/D 220 BWPD
Average decline % (provide back up data):	OIL = 9.76%* GAS = 1.57%*	OIL = 9.51%* GAS = 5.89%*	OIL = 8.59%* GAS = 1.91%*
Fixed Allocation %: (See attached calculations)	OIL = 1% GAS = 22% WTR = 12%	OIL = 99% GAS = 78% WTR = 88%	

Remarks: *See attached back-up data & "Williams A & B Field Study of Yeso & San Andres".	
** As per EGF. Pool allocations will be fine tuned after SA test.	
Operator Signature: Mike Pippin PE	
Date: 5/26/2014	

Attached Supporting Documents

State Form C-102 w/dedicated Acres Provided
Oil Sample Analysis Provided (Must be Current)
Gas Analysis provided (Must be Current)
Produce Water Analysis provided (Must be Current)
Any additional supporting data (i.e. offset well production & decline curves etc.)

* FROM WILLIAMS A & B FIELD STUDY

LRE OPERATING, LLC
WILLIAMS B FEDERAL #9
Artesia; Glorieta-Yeso & Red Lake, San Andres
E Section 29 T17S R28E
5/25/2014 – Mike Pippin
API#: 30-015-39238

WEIGHTED AVERAGES

OIL GRAVITY:

Bottom zone (Yeso) = 0.5 BOPD, 35.8

Upper zone (SA) = 74 BOPD, 34.1

$$(0.5 \times 35.8) + (74 \times 34.1) = 17.9 + 2523.4 = 2541.3$$

$$2541.3 / (0.5 + 74) = \underline{\underline{34.1 \text{ GRAVITY OIL}}}$$

GAS BTU:

Bottom zone (Yeso) = 50 MCF/D, 1295 BTU

Upper zone (SA) = 176 MCF/D, 1197 BTU

$$(50 \times 1295) + (176 \times 1197) = 64,750 + 210,672 = 275,422$$

$$275,422 / (50 + 176) = \underline{\underline{1219 \text{ BTU GAS}}}$$

H2S in GAS:

Bottom zone (Yeso) = 50 MCF/D, 9,500 ppm

Upper zone (SA) = 176 MCF/D, 3500 ppm

$$(50 \times 9500) + (176 \times 3500) = 475,000 + 616,000 = 1,091,000$$

$$1,091,000 / (50 + 176) = \underline{\underline{4,827 \text{ ppm H2S}}}$$

Sulfur in Oil:

Bottom zone (Yeso) = 0.5 BOPD, 1.003

Upper zone (SA) = 74 BOPD, 1.2293

$$(0.5 \times 1.003) + (74 \times 1.2293) = 0.5015 + 90.9682 = 91.4697$$

$$91.4697 / (0.5 + 74) = \underline{\underline{1.2278 \text{ Wt\% Sulfur}}}$$

LRE OPERATING, LLC
WILLIAMS B FEDERAL #9
 Artesia; Glorieta-Yeso & Red Lake, San Andres
 E Section 29 T17S R28E
 5/26/2014
 API#: 30-015-39238

Commingle Allocation Calculations

On 9/28/11, the Yeso (lower zone) was completed as a new well. LRE has submitted an NOI sundry to recomplete this well to the San Andres (upper zone) and produced as a single SA well to obtain a test. Following the SA test, the well will be DHC. The last Yeso production test on 2/25/14 before the recompletion was 0.5 BOPD, 50 MCF/D, & 25 BWPD. The average San Andres test on the lease is 74 BOPD, 176 MCF/D, & 185 BWPD. As per EGF, the pool allocations will be fine tuned after the SA test.

	Upper Zone (SA)	+	Lower Zone (YESO)	=	Total
Total Oil (bbls/d)	74	+	0.5	=	74.5
Total Gas (mcf/d)	176	+	50	=	226
Total Water (bbls/d)	185		25	=	210

OIL

Upper Zone (SA) = 74 BOPD

Total oil = 74.5 BOPD

$$\% \text{ Upper Zone} = \frac{74}{74.5} = \underline{\underline{99\%}}$$

Lower Zone (Yeso) = 0.5 BOPD

$$\% \text{ Lower Zone} = \frac{0.5}{74.5} = \underline{\underline{1\%}}$$

GAS

Upper Zone (SA) = 176 MCF/D

Total gas = 226 MCF/D

$$\% \text{ Upper Zone} = \frac{176}{226} = \underline{\underline{78\%}}$$

Lower Zone (Yeso) = 50 MCF/D

$$\% \text{ Lower Zone} = \frac{50}{226} = \underline{\underline{22\%}}$$

WATER

Upper Zone (SA) = 185 BWPD

Total Water = 210 BWPD

$$\% \text{ Upper Zone} = \frac{185}{210} = \underline{\underline{88\%}}$$

Lower Zone (Yeso) = 25 BWPD

$$\% \text{ Lower Zone} = \frac{25}{210} = \underline{\underline{12\%}}$$



LIME ROCK RESOURCES

Spud
8/22/11

40', 14"
Conductor Pipe

Williams B Federal #9 San Andres Recompletion AFE #R14003

Williams B Federal #9

Sec 29-17S-28E (E)

1650' FNL, 330' FWL

X=539507.9'E, Y=657596.6'N

Lat.=32.807756°N

Long.=104.204746°W

Elevation - 3,602' GL

3,613' KB Est.

API #: 30-015-39238

BLM APD Approved 7-19-2011

BLM Lse # NMLC046250B

NMOCD CLS Permit #0211752

Eddy County, NM

12-1/4" Hole from 40' to 425' MD.
8-5/8", 24#, J-55, ST&C Casing @ 434'. Circulate
cmt to surface using 150 SK Lead C & Poly-E Flake,
and 200 sx C w/ 2% CaCl₂. Circ 118 sx to pit.

2-7/8"; 6.5#, J-55 Tubing TAC at 1904',
SN at 3510', 4' Slotted sub, 2 jt MA w BP
at 3575'

CBP at 2346'

San Andres Perfs:
2004'-2331' 37 holes

Stim Info: 3300 g 15% NEFE HCL & 56 bio balls,
62,000 # 16/30 Brady & 18,000 # 16/30 Resin with
20 # x-linked gel

CBP at 2640'

San Andres Perfs:
2362'-2597' 28 holes

Stim Info: 2500 g 15% NEFE HCL & 42 bio balls,
62,000 # 16/30 Brady & 18,000 # 16/30 Resin with
20 # x-linked gel

CBP at 2920'

San Andres Perfs:
2702'-2907' 25 holes

Stim Info: 2100 g 15% NEFE HCL & 38 bio balls,
62,000 # 16/30 Brady & 18,000 # 16/30 Resin with
20 # x-linked gel

CBP at 3190'

San Andres Perfs:
2934'-3163' 28 holes

Stim Info: 2300 g 15% NEFE HCL & 42 bio balls,
73,000 # 16/30 Brady & 18,000 # 16/30 Resin with
25 # x-linked gel

Yeso Perfs:
3,210' - 3,500' (41 holes)
(9/8/11)

Stim Info: 3500 gal 15% NEFE; Frac w/ 111,000#'s 16/30
Brady sand and 22500# 16/30 Siber Prop ramped to 4.5 ppa
and pumped at 70 BPM using Scale Sorb

PBTD @ 3,614'

7-7/8" Hole from 425' to 3,674' MD

5-1/2", 17#, J-55; ST&C Casing @ 3,658'. Circulate Lead of 350
SX 35/65 POZ C and Tail of 300 SX C to surface w/ 107 sx to pit

TD @ 3,674'

GEOLOGY

Zone	Top
Queen	1,070'
Grayburg	1,501'
Premier	1,786'
San Andres	1,824'
MSA	2,140'
LSA	2,738'
Glorietta	3,201'
Yeso	3,307'

SURVEYS

Degrees	Depth
1/2	443
3/4	1005
1	1535
1/4	2075
1	2548
1/2	3049
1/2	3548
1	3648

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

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

District III
1600 Rio Grande Street, Aztec, NM 87410

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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

Form C-107A
Revised June 10, 2003

APPLICATION TYPE

☒ Single Well

☐ Establish Pre-Approved Pools

EXISTING WELLBORE

☒ Yes ☐ No

APPLICATION FOR DOWNHOLE COMMINGLING

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

Lease WILLIAMS B FEDERAL #9 Well No. E SEC. 29 T17S R28E Unit Letter-Section-Township-Range Eddy County

OGRID No. 281994 Property Code 309867 API No. 30-015-39238 Lease Type: ☒ Federal ☐ State ☐ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	RED LAKE; -San Andres		ARTESIA; Glorieta-Yeso
Pool Code	97253		96830
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	~2004'-3163'		3210'-3502'
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	New Zone		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: RATES:	Date: Rates:	Date: 2/25/14 Rates: 0.5 BOPD 50 MCF/D 25 BWPD
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 communized 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 ☐

NMOCED 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.

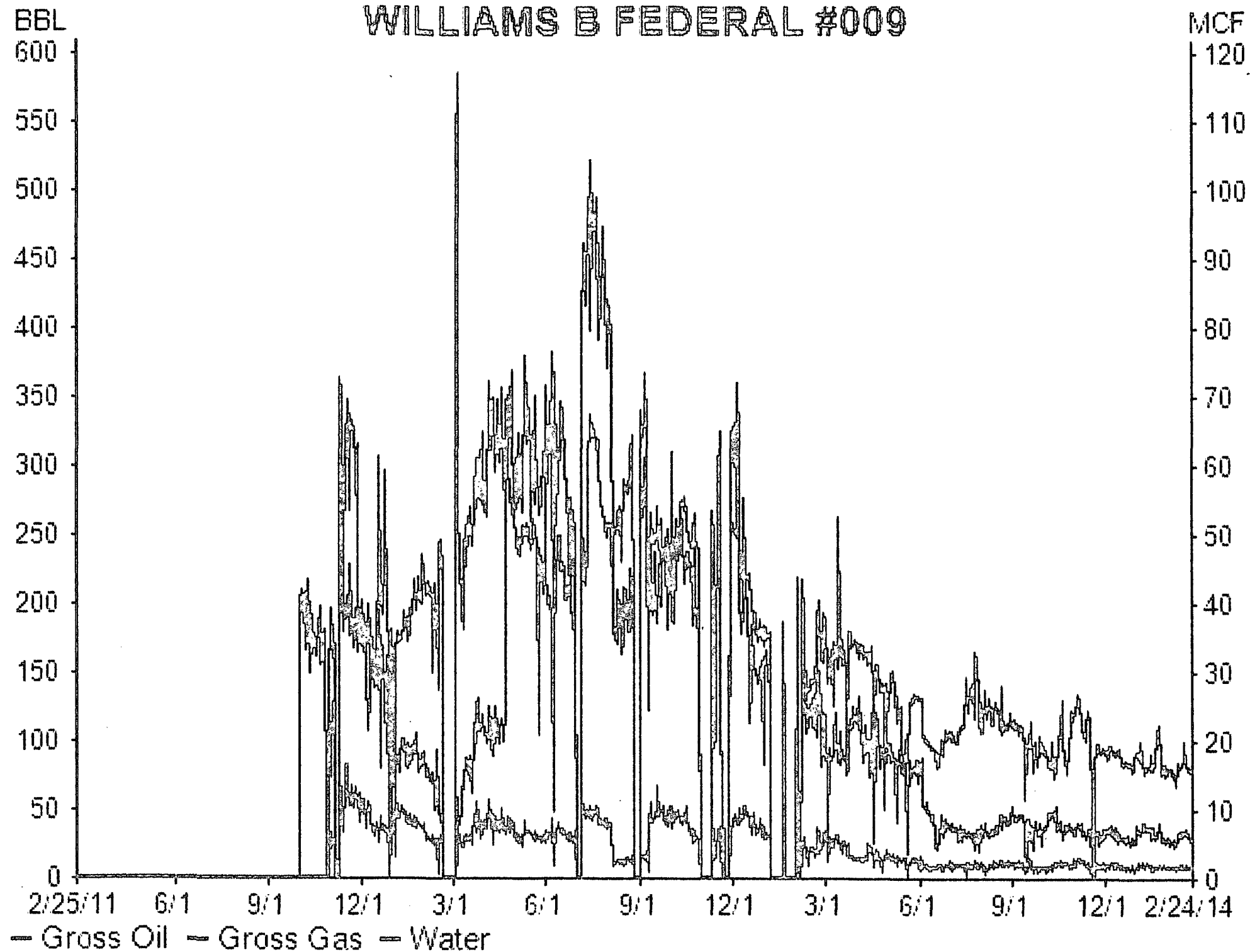
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Mike Pippin TITLE Petroleum Engineer - Agent DATE February 26, 2014

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

E-MAIL ADDRESS mike@pippinllc.com

WILLIAMS B FEDERAL #009



— Gross Oil — Gross Gas — Water

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

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NMLC 046250B

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WILLIAMS B FEDERAL #9

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30-015-39238

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Red Lake, San Andres (97253)

Artesia: Glorieta-Yeso (96830)

AND

Eddy County, New Mexico

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☒ Oil Well ☐ Gas Well ☐ Other

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505-327-4573

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1650' FNL & 330' FWL Unit E

Sec. 29, T17S, R28E

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 checked="" type="checkbox"/> Fracture Treat <input type="checkbox"/> Reclamation <input type="checkbox"/> Well Integrity
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13. Describe Proposed or Completed Operations (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 recompleate 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.)

LRE would like to recompleate this Yeso oil well into the San Andres & DHC as follows: MIRUSU. TOH w/rods, pump, & tbq. Set a 5-1/2" CBP @ 3190' & PT to 3500 psi. Perf Lower SA @ ~2934'-3163' w/~28 holes. Treat new perfs w/~2300 gal 15% HCL & frac w/~91,000# 16/30 sand in 25# X-linked gel. Set a 5-1/2" CBP @ 2920' & PT to 3500 psi. Perf middle SA @ ~2702'-2907' w/~25 holes. Treat new perfs w/~2100 gal 15% HCL & frac w/~80,000# 16/30 sand in 20# X-linked gel. Set a 5-1/2" CBP @ 2640' & PT to 3500 psi. Perf Upper SA @ ~2362'-2597' w/~28 holes. Treat new perfs w/~2500 gal 15% HCL & frac w/~80,000# 16/30 sand in 20# X-linked gel. Set a 5-1/2" CBP @ 2346' & PT to 3500 psi. Perf Upper SA @ ~2004'-2331' w/~37 holes. Treat new perfs w/~3300 gal 15% HCL & frac w/~80,000# 16/30 sand in 20# X-linked gel. CO after frac, drill CBPs @ 2346', 2640', & 2920' & CO to CBP @ ~3190'. Land 2-7/8" tbq @ ~3160' & run pump & rods. Release workover rig & complete as a single SA oil well. The existing Glorieta-Yeso perfs are 41 holes @ 3210'-3502'. This well will be DHC when the DHC applications with the State & BLM are approved. We plan to u

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

Name (Printed/Typed)

Mike Pippin

Title

Petroleum Engineer (Agent)

Signature

Date

February 24, 2014

THIS SPACE FOR FEDERAL OR STATE 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

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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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-39238	² Pool Code 97253	³ Pool Name Red Lake, San Andres
⁴ Property Code 309867	⁵ Property Name WILLIAMS B FEDERAL	⁶ Well Number 9
⁷ OGRID No. 281994	⁸ Operator Name LRE OPERATING, LLC.	⁹ Elevation 3602' GL

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	29	17-S	28-E		1650	NORTH	330	WEST	EDDY

¹¹ 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

¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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.

<div style="text-align: center;">1650'</div> <div style="text-align: center;">330'</div> <div style="text-align: center;">29</div>	¹⁷ OPERATOR CERTIFICATION 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. <div style="display: flex; justify-content: space-between;"> <div>Signature <i>Mike Pippin</i></div> <div>Date 2/24/14</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Mike Pippin</div> <div>Printed Name</div> </div>			
	¹⁸ SURVEYOR CERTIFICATION 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. 1/17/11 Date of Survey Signature and Seal of Professional Surveyor: Gary Eidson 12641 Certificate Number			

DISTRICT I
1825 N FRENCH DR., HOBBS, NM 88240

DISTRICT II
1321 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 and Natural Resources Department

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-3928	Pool Code 96830	Pool Name Artesia; Glorieta-Yeso
Property Code 305444	Property Name WILLIAMS B FEDERAL	Well Number 9
OCRID No 255333	Operator Name LIME ROCK RESOURCES A, L.P.	Elevation 3602'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	29	17-S	28-E		1650	NORTH	330	WEST	EDDY

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
Dedicated Acres 40	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>1650'</p> <p>330' SEE DETAIL</p> <p>GEODETIC COORDINATES NAD 27 NME Y=657596.6 N X=539507.9 E LAT.=32°80'77.56" N LONG.=104°20'47.46" W</p> <p>DETAIL</p> <p>3591.5' 3600.7' 600' 3603.7' 3612.5' 600'</p>	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><u>George R. Smith</u> 2/28/2011 Signature Date George R. Smith, agent Printed Name</p>
	<p>SURVEYOR CERTIFICATION</p> <p>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>JANUARY 17, 2011 Date Surveyed CA</p> <p>Signature & Seal of Professional Surveyor <u>GARY EIDSON</u> 4/31/11 11.0070</p> <p>Certificate No. GARY EIDSON 12641 RONALD J. EIDSON 3239</p>

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