

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

OCD Artesia

RECEIVED

MAR 14 2014

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

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 checked="" 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 Recomplete to San Andres
	<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, 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.)

LRE would like to recomplete this Yeso oil well into the San Andres & DHC as follows: MIRUSU. TOH w/rods, pump, & tbg. 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" tbg @ ~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

Accepted for record
LRE 3/17/2014

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

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.



**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

<div>1650'</div> <div>330'</div> <div>29</div>	<div>17</div> <div>OPERATOR CERTIFICATION</div> <div>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 released 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> <div><div>Signature</div><div><div>Mike Pippin</div><div>Mike Pippin</div></div></div> <div><div>Date</div><div>2/24/14</div></div>		
	<div>Mike Pippin</div> <div>Printed Name</div>		
	<div>18</div> <div>SURVEYOR CERTIFICATION</div> <div>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.</div> <div><div>1/17/11</div><div>Date of Survey</div></div> <div><div>Signature and Seal of Professional Surveyor:</div><div>Gary Eidson</div></div>		
	<div>12641</div> <div>Certificate Number</div>		

**Williams B Federal 9
30-015-39238
LRE Operating, LLC.
March 11, 2014
Conditions of Approval**

Work to be completed by June 11, 2014.

Notify BLM at 575-361-2822 a minimum of 24 hours prior to commencing work.

- 1. Must conduct a casing integrity test before any perforating or fracturing can be done. Submit results to BLM. The CIT is to be performed on the production casing to max treating pressure. Contact the BLM if test fails.**
- 2. Operator shall set the deepest CBP at 3,190' (above Glorietta).**
- 3. No DHC shall be done without approval from both the BLM and the State.**
- 4. Operator is approved to drill out the CBPs at 2346', 2640', and 2920' and clean out the well to the deepest CBP at 3190'. Put well on pump.**
- 5. Operator shall produce solely from the San Andres formation in order to establish a typical decline curve obtain reservoir data and submit results to the BLM for future DHC review.**

NOTE: A new sundry for a DHC will be needed.

- 6. Before casing or a liner is added or replaced, prior BLM approval of the design is required. Use notice of intent Form 3160-5.**
- 7. Surface disturbance beyond the originally approved pad must have prior approval.**
- 8. Closed loop system required.**
- 9. All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of work over operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.**
- 10. Operator to have H2S monitoring equipment on location.**

11. A minimum of a **2000 (2M)** BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (2M Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.
12. **Subsequent sundry required detailing work done and completion report for the new formation. Operator to include well bore schematic of current well condition when work is complete.**

JAM 031114