

NM OIL CONSERVATION
ARTESIA DISTRICT

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCT 27 2015
OCD Artesia
RECEIVED

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMLC046250B

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input checked="" type="checkbox"/> Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No.		
2. Name of Operator LRE OPERATING, LLC			8. Lease Name and Well No. WILLIAMS B FEDERAL 12		
3. Address C/O MIKE PIPPIN 3104 N. SULLIVAN FARMINGTON, NM 87401			9. API Well No. 30-015-42117		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SWNE 2310FNL 2460FEL At top prod interval reported below SWNE 2275FNL 2262FEL At total depth SWNE 2277FNL 2264FEL			10. Field and Pool, or Exploratory RED LAKE, SAN ANDRES 97253		
14. Date Spudded 03/22/2014			15. Date T.D. Reached 03/26/2014		11. Sec., T., R., M., or Block and Survey or Area Sec 29 T17S R28E Mer
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 07/23/2015			12. County or Parish EDDY		
17. Elevations (DF, KB, RT, GL)* 3664 GL			13. State NM		
18. Total Depth: MD 3625 TVD 3611		19. Plug Back T.D.: MD 3581 TVD 3566		20. Depth Bridge Plug Set: MD 3340 TVD 3342	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CASED HOLE NEUTRON LOG				22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)	

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	8.625 J-55	24.0	0	425		300		0	0
7.875	5.500 J-55	15.5	0	3609		685		0	0

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	3190							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
RED LAKE, SAN ANDRES 97253	1825	3200	2064 TO 2338	0.420	26	OPEN
ARTESIA GLORIETA-YESO 96830	3200		2416 TO 2698	0.420	31	OPEN
C)			2754 TO 3116	0.420	34	OPEN
D)			3398 TO 3524	0.410	33	SI (ORIGINAL PERFS SI BELOW C)

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
2064 TO 2338	1500 GAL 7.5% HCL & FRACED W/31,140# 100 MESH & 182,87# 40/70 NORTHERN SAND IN SLICK WATER.
2416 TO 2698	1500 GAL 7.5% HCL & FRACED W/30,586# 100 MESH & 258,762# 40/70 NORTHERN SAND IN SLICK WATER.
2754 TO 3116	1500 GAL 7.5% HCL & FRACED W/29,624# 100 MESH & 317,622# 40/70 NORTHERN SAND IN SLICK WATER.
3398 TO 3524	2041 GAL 15% HCL & FRACED W/74,910# WISCONSIN & 23,316# 16/30 RESIN COATED SAND

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity
07/29/2015	08/23/2015	24	→	75.0	60.0	700.0		
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
				75	60	700	800	POW

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity
			→					
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status

ACCEPTED FOR RECORD

ELECTRIC PUMPING UNIT

OCT 19 2015

[Signature]

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #314122 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
SAN ANDRES	1915	3306	OIL & GAS	SEVEN RIVERS	600
GLORIETA	3306	3412	OIL & GAS	QUEEN	1173
YESO	3412		OIL & GAS	GRAYBURG	1593
				SAN ANDRES	1915
				GLORIETA	3306
				YESO	3412

32. Additional remarks (include plugging procedure):
RECOMPLETION TO SAN ANDRES:

State approved DHC with order DHC-4744.
BLM DHC application was approved on 7/7/15 by Ed Fernandez.
The CBP @ 3340' will be drilled out & the pools DHC following a test of the SA.

Existing Yeso perms currently shut-in below CBP @ 3340': 3398'-3524'

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7. Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #314122 Verified by the BLM Well Information System.
For LRE OPERATING, LLC, sent to the Carlsbad
Committed to AFMSS for processing by DEBORAH HAM on 09/11/2015 ()

Name (please print) MIKE PIPPIN

Title PETROLEUM ENGINEER

Signature (Electronic Submission)

Date 08/26/2015

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.

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