

Form 3160-4  
(August 2007)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTJAN 06 2016  
OCD Artesia

RECEIVED

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMNM891561a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other  
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other:

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator  
LIME ROCK RESOURCES II-A, L.P. E-Mail: mike@pippinllc.com

Contact: MIKE PIPPIN

8. Lease Name and Well No.  
HAWK 8 J FEDERAL 473. Address C/O MIKE PIPPIN 3104 N. SULLIVAN  
FARMINGTON, NM 874013a. Phone No. (include area code)  
Ph: 505-327-45739. API Well No.  
30-015-42835

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface NWSE 2300FSL 1700FEL

At top prod interval reported below NWSE 2300FSL 1700FEL

At total depth NWSE 2300FSL 1700FEL

10. Field and Pool, or Exploratory  
RED LAKE, GL-YESO 5112011. Sec., T., R., M., or Block and Survey  
or Area Sec 8 T18S R27E Mer12. County or Parish  
EDDY13. State  
NM14. Date Spudded  
12/26/201415. Date T.D. Reached  
01/01/201516. Date Completed  
☐ D & A ☒ Ready to Prod.  
05/14/201517. Elevations (DF, KB, RT, GL)\*  
3470 GL18. Total Depth: MD  
TVD 461519. Plug Back T.D.: MD  
TVD 454620. Depth Bridge Plug Set: MD  
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
INDUCTION & DENSITY/NEUTRON22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit analysis)  
Directional Survey? ☐ No ☒ 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	342		325	78	0	0
7.750	5.500 J-55	17.0	0	4596		930	251	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	2837							

## 25. Producing Intervals

## 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
RED LAKE, GLORIETA-YESO	2722		2878 TO 3127	0.420	30	OPEN
B)			3423 TO 3702	0.420	30	OPEN
C)			3890 TO 4187	0.420	30	OPEN
D)			4280 TO 4541	0.390	30	OPEN

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

Depth Interval	Amount and Type of Material
2878 TO 3127	2045 GAL 15% HCL & FRACED W/30,021# 100 MESH & 239,230# 40/70 WISCONSIN SAND IN SLICK WATER
3423 TO 3702	2017 GAL 15% HCL & FRACED W/30,098# 100 MESH & 291,857# 40/70 WISCONSIN SAND IN SLICK WATER
3890 TO 4187	2025 GAL 15% HCL & FRACED W/25,996# 100 MESH & 259,667# 40/70 WISCONSIN SAND IN SLICK WATER
4280 TO 4541	1506 GAL 15% HCL & FRACED W/60,433# 100 MESH & 195,098# 40/70 WISCONSIN SAND IN SLICK WATER

## 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
05/27/2015	06/13/2015	24	→	82.0	388.0	1349.0		
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→	82	388	1349	4731	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 PUMP SUB-SURFACE

DEC 31 2015

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #305168 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Reclamation: 12/13/15

AB

## 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
GLORIETA YESO	2722 2810	2810	OIL & GAS OIL & GAS	QUEEN GRAYBURG SAN ANDRES GLORIETA YESO TUBB	674 1088 1306 2722 2810 4338

32. Additional remarks (include plugging procedure):  
THIS IS A NEW OIL WELL COMPLETION IN THE YESO.

## 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 #305168 Verified by the BLM Well Information System.  
For LIME ROCK RESOURCES II-A, L.P., sent to the Carlsbad  
Committed to AFMSS for processing by DEBORAH HAM on 12/21/2015 ()

Name (please print) MIKE PIPPIN

Title PETROLEUM ENGINEER

Signature (Electronic Submission)

Date 06/16/2015

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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