

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMNM0256041a. 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 LP Contact: MIKE PIPPIN  
E-Mail: MIKE@PIPPINLLC.COM8. Lease Name and Well No.  
HAWK 9 G FEDERAL 193. Address 1111 BAGBY STREET SUITE 4600  
HOUSTON, TX 770023a. Phone No. (include area code)  
Ph: 505-327-45739. API Well No.  
30-015-43216-00-S1

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

At surface SWNE 2275FNL 2295FEL

At top prod interval reported below SWNE 2275FNL 2295FEL

At total depth SWNE 2275FNL 2295FEL

10. Field and Pool, or Exploratory  
RED LAKE-GLORIETA-YESO11. Sec., T., R., M., or Block and Survey  
or Area Sec 9 T18S R27E Mer NMP12. County or Parish  
EDDY13. State  
NM14. Date Spudded  
07/20/201615. Date T.D. Reached  
07/31/201616. Date Completed  
☐ D & A ☒ Ready to Prod.  
10/19/201617. Elevations (DF, KB, RT, GL)\*  
3538 GL18. Total Depth: MD 4942  
TVD 494219. Plug Back T.D.: MD 4932  
TVD 493220. Depth Bridge Plug Set: MD  
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
INDUCTION&DENSI22. 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
11.000	8.625 J-55	24.0	0	348		300	72	0	0
7.875	5.500 J-55	17.0	0	4934		1020	276	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)
3.500	3198							

## 25. Producing Intervals

## 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA YESO	3130	4900	3130 TO 3491	0.420	37	OPEN
B)			3650 TO 4001	0.420	36	OPEN
C)			4234 TO 4509	0.420	33	OPEN
D)			4570 TO 4900	0.420	28	OPEN

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

Depth Interval	Amount and Type of Material
3130 TO 3491	1500 GAL 15% HCL & FRACED W/30,155# 100 MESH & 339,155# 40/70 PREMIUM PLUS SAND IN SLICK WATER
3650 TO 4001	1500 GAL 15% HCL & FRACED W/30,021# 100 MESH & 323,625# 40/70 PREMIUM PLUS SAND IN SLICK WATER
4234 TO 4509	1500 GAL 15% HCL & FRACED W/30,297# 100 MESH & 245,458# 40/70 PREMIUM PLUS SAND IN SLICK WATER
4570 TO 4900	1500 GAL 15% HCL & FRACED W/29,967# 100 MESH & 307,009# 40/70 PREMIUM PLUS 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	Production Method
10/19/2016	11/07/2016	24	→	83.0	57.0	1133.0			OTHER
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→	83	57	1133	687	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	Production Method
			→						
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  
DAVID R. GLASS

FEB 13 2017

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

ELECTRONIC SUBMISSION #357578 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*  
DAVID R. GLASS  
PETROLEUM ENGINEERRECLAMATION DUE:  
APR 19 2017

**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	2953 3130	3070 4900	OIL & GAS OIL & GAS	QUEEN GRAYBURG SAN ANDRES GLORIETA YESO	826 1260 1492 2953 3070

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

**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 #357578 Verified by the BLM Well Information System.  
For LIME ROCK RESOURCES II A LP, sent to the Carlsbad  
Committed to AFMSS for processing by DEBORAH HAM on 01/27/2017 (17DMH0058SE)**

Name (please print) MIKE PIPPIN Title PETROLEUM ENGINEER

Signature (Electronic Submission) Date 11/10/2016

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.

**\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\***