

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION
ARTESIA DISTRICT
NMOCD
Artesia JUL 03 2017

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMLC070678A

1a. 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.COM

8. Lease Name and Well No.
HAWK 8 L FEDERAL 16

3. Address 1111 BAGBY STREET SUITE 4600
HOUSTON, TX 77002

3a. Phone No. (include area code)
Ph: 505-327-4573

9. API Well No.
30-015-43814-00-S1

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

At surface NWSW 2305FSL 555FWL

At top prod interval reported below NWSW 2305FSL 555FWL

At total depth NWSW 2305FSL 555FWL

10. Field and Pool, or Exploratory
RED LAKE-GLORIETA-YESO

11. Sec., T., R., M., or Block and Survey
or Area Sec 8 T18S R27E Mer NMP

12. County or Parish
EDDY

13. State
NM

14. Date Spudded
01/26/2017

15. Date T.D. Reached
02/01/2017

16. Date Completed
☐ D & A ☒ Ready to Prod.
03/10/2017

17. Elevations (DF, KB, RT, GL)*
3388 GL

18. Total Depth: MD 4510
TVD 4510

19. Plug Back T.D.: MD 4461
TVD 4461

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CASEDHOLENEUTRO

22. 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	350		300	72	0	0
7.875	5.500 J-55	17.0	0	4498		900	248	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	2871							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA YESO	2710	4452	2710 TO 3063	0.410	35	OPEN
B)			3200 TO 3501	0.410	31	OPEN
C)			3600 TO 3911	0.410	31	OPEN
D)			4050 TO 4452	0.410	33	OPEN

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

Depth Interval	Amount and Type of Material
2710 TO 3063	1507 GAL 15% HCL & FRACED W/29,486# 100 MESH & 350,027# 40/70 SAND IN SLICK WATER
3200 TO 3501	917 GAL 15% HCL & FRACED W/29,553# 100 MESH & 285,910# 40/70 SAND IN SLICK WATER
3600 TO 3911	1060 GAL 15% HCL & FRACED W/30,540# 100 MESH & 287,290# 40/70 SAND IN SLICK WATER
4050 TO 4452	1153 GAL 15% HCL & FRACED W/30,017# 100 MESH & 379,120# 40/70 WISCONSON 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
03/14/2017	03/28/2017	24	→	108.0	200.0	1256.0			ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→	108	200	1256	1852	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	
	SI		→						

ACCEPTED FOR RECORD
(2225 SGO) DAVID R. GLASS

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

ELECTRONIC SUBMISSION #371822 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

RECLAMATION DUE:
SEP 10 2017

JUN 26 2017
DAVID R. GLASS
PETROLEUM ENGINEER

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
QUEEN	564	964		QUEEN	564
GLORIETA	2556	2641	OIL & GAS	GRAYBURG	964
YESO	2641	4222	OIL & GAS	SAN ANDRES	1175
TUBB	4222	4510	OIL & GAS	GLORIETA	2556
				YESO	2641
				TUBB	4222

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 #371822 Verified by the BLM Well Information System.
For LIME ROCK RESOURCES II A LP, sent to the Carlsbad
Committed to AFMSS for processing by DUNCAN WHITLOCK on 04/06/2017 (17DW0045SE)

Name (please print) MIKE PIPPINTitle PETROLEUM ENGINEER

Signature _____ (Electronic Submission)

Date 03/31/2017

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 ** REVISED ****