

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM025604

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

3. Address 1111 BAGBY STREET SUITE 4600 HOUSTON, TX 77002
3a. Phone No. (include area code)
Ph: 505-327-4573

8. Lease Name and Well No.
HAWK 9 G FEDERAL 19

9. 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-YESO
11. Sec., T., R., M., or Block and Survey
or Area Sec 9 T18S R27E Mer NMP
12. County or Parish
EDDY 13. State
NM

14. Date Spudded
07/20/2016 15. Date T.D. Reached
07/31/2016 16. Date Completed
 D & A Ready to Prod.
10/19/2016 17. Elevations (DF, KB, RT, GL)*
3538 GL

18. Total Depth: MD 4942 TVD 4942 19. Plug Back T.D.: MD 4932 TVD 4932 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
INDUCTION&DENSI 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
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
PETROLEUM ENGINEER
FEB 13 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	3070	OIL & GAS OIL & GAS	QUEEN GRAYBURG SAN ANDRES GLORIETA YESO	826
	3130	4900			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 ****