

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NMOC  
NM OIL CONSERVATION  
ALBUQUERQUE DISTRICT

AUG 29 2017

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMLC061783B

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.  
MANN 3 FEDERAL 5

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

9. API Well No.  
30-015-43755-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface SWSW 360FSL 850FWL  
At top prod interval reported below SWSW 378FSL 370FWL  
At total depth SWSW 383FSL 360FWL

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

11. Sec., T., R., M., or Block and Survey  
or Area Sec 3 T18S R27E Mer NMP

12. County or Parish  
EDDY 13. State  
NM

14. Date Spudded  
04/07/2017 15. Date T.D. Reached  
04/14/2017 16. Date Completed  
 D & A  Ready to Prod.  
05/04/2017

17. Elevations (DF, KB, RT, GL)\*  
3541 GL

18. Total Depth: MD 5252 TVD 5200 19. Plug Back T.D.: MD 5160 TVD 5141 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
INDUCTION&NEUTR DENSITY 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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
11.000	8.625 J-55	24.0	0	437		325	78	0	0
7.875	5.500 J-55	17.0	0	5229		1050	283	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	3547							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA YESO	3200	4910	3200 TO 3461	0.400	28	OPEN
B)			3550 TO 3835	0.400	30	OPEN
C)			3922 TO 4181	0.400	28	OPEN
D)			4250 TO 4910	0.400	65	OPEN **

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

Depth Interval	Amount and Type of Material
3200 TO 3461	1500 GAL 15% HCL & FRACED W/30,189# 100 MESH & 239,131# 30/50 OTTAWA SAND IN SLICK WATER
3550 TO 3835	1500 GAL 15% HCL & FRACED W/29,899# 100 MESH & 260,032# 30/50 OTTAWA SAND IN SLICK WATER
3922 TO 4181	1500 GAL 15% HCL & FRACED W/29,818# 100 MESH & 221,828# 30/50 OTTAWA SAND IN SLICK WATER
4250 TO 4910	1500 GAL 15% HCL & FRACED W/30,774# 100 MESH & 189,824# 30/50 OTTAWA 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
05/04/2017	05/19/2017	24	→	89.0	100.0	806.0			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	
			→	89	100	806	1124	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  
(ORIG. SGP.) DAVID R. GLASS  
AUG 10 2017

(See Instructions and spaces for additional data on reverse side)  
ELECTRONIC SUBMISSION #376825 VERIFIED BY THE BLM WELL INFORMATION SYSTEM  
\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED

DAVID R. GLASS

PETROLEUM ENGINEER

RECLAMATION DUE:  
NOV 04 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
TANSILL	0	110		YATES	110
GLORIETA	3104	3197	OIL & GAS	SEVEN RIVERS	334
YESO	3197	5252	OIL & GAS	QUEEN	885
GLORIETA YESO	3200	4910	OIL/GAS/WATER	GRAYBURG	1368
				SAN ANDRES	1617
				GLORIETA	3104
				YESO	3197

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

\*\*43. Perforation Record  
TOP BOTTOM SIZE HOLES  
4548' 4910' 0.4" 37

\*\*\*44. Frac Treatment  
TOP BOTTOM AMOUNT & TYPE MATERIAL

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 #376825 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 07/17/2017 (17DMH0125SE)**

Name (please print) MIKE PIPPIN Title PETROLEUM ENGINEER

Signature (Electronic Submission) Date 05/22/2017

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 \*\***