

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTRECEIVED  
AUG 06 2018FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMLC065478B

- 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, L.P. E-Mail: mike@lippinllc.com

Contact: MIKE PIPPIN

8. Lease Name and Well No.  
HORSETAIL 9 FEDERAL 1

3. Address C/O MIKE PIPPIN 3104 N SULLIVAN  
FARMINGTON, NM 87401

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

9. API Well No.  
30-015-34171

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

At surface SESE 1261FSL 1144FEL

At top prod interval reported below SESE 1395FNL 1199FEL

At total depth SESE 1088FSL 974FEL

10. Field and Pool, or Exploratory  
RED LAKE, GL-YO 51120

11. Sec., T., R., M., or Block and Survey  
or Area Sec 9 T18S R27E Mer

12. County or Parish  
EDDY COUNTY

13. State  
NM

14. Date Spudded  
08/20/2005

15. Date T.D. Reached  
10/12/2005

16. Date Completed  
☐ D & A ☐ Ready to Prod.  
07/02/2018

17. Elevations (DF, KB, RT, GL)\*  
3505 GL

18. Total Depth: MD 9929  
TVD 9902

19. Plug Back T.D.: MD 9873  
TVD 9858

20. Depth Bridge Plug Set: MD 4800  
TVD 4810

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
DUAL LATERLOG, DENSITY NEUTRON

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 |
|-----------|-------------|-------------|----------|-------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 17.500    | 13.375 H-40 | 48.0        | 0        | 427         |                      | 530                         |                   | 0           |               |
| 12.250    | 8.625 J-55  | 32.0        | 0        | 3105        |                      | 1630                        |                   | 0           | 0             |
| 8.750     | 5.500 P-110 | 17.0        | 0        | 9915        |                      | 695                         |                   | 0           | 0             |
| 7.150     |             |             |          |             |                      |                             |                   |             |               |
|           |             |             |          |             |                      |                             |                   |             |               |
|           |             |             |          |             |                      |                             |                   |             |               |
|           |             |             |          |             |                      |                             |                   |             |               |
|           |             |             |          |             |                      |                             |                   |             |               |

## 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 | 3623           |                   |      |                |                   |      |                |                   |

## 25. Producing Intervals

## 26. Perforation Record

| Formation               | Top  | Bottom | Perforated Interval | Size  | No. Holes | Perf. Status |
|-------------------------|------|--------|---------------------|-------|-----------|--------------|
| RED LAKE, GL-YESO 51120 | 3110 |        | 3300 TO 3651        | 0.400 | 38        | OPEN         |
| B)                      |      |        | 3720 TO 4006        | 0.400 | 29        | OPEN         |
| C)                      |      |        | 4165 TO 4531        | 0.400 | 29        | OPEN         |
| D)                      |      |        |                     |       |           |              |

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

| Depth Interval | Amount and Type of Material   |
|----------------|---|
| 3300 TO 3651   | 1500 GAL 15% HCL & FRACED W/30,260# RC 100 MESH & 326,440# RC 30/50 SAND IN SLICK WATER |
| 3720 TO 4006   | 1890 GAL 15% HCL & FRACED W/30,350# RC 100 MESH & 260,500# RC 30/50 SAND IN SLICK WATER |
| 4165 TO 4531   | 1500 GAL 15% HCL & FRACED W/30,290# RC 100 MESH & 339,300# RC 30/50 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         |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|---------------------------|
| 07/24/2018          | 07/28/2018           | 24           | →               | 139.0   | 50.0    | 2065.0    |                       |             | 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 |                           |
|                     |                      |              | →               | 139     | 50      | 2065      | 360                   | 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 |                   |
|                     |                      |              | →               |         |         |           |                       |             |                   |

Pending BLM approvals will  
subsequently be reviewed  
and scanned

RECEIVED

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

ELECTRONIC SUBMISSION #429925 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

AUG 06 2018  
DISTRICT II-ARTESIA O.C.D.

## 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  | 3110 | 3275   | OIL & GAS                    | QUEEN      | 856         |
| YESO      | 3275 | 3976   | OIL & GAS                    | GRAYBURG   |             |
| TUBB      | 3976 |        | OIL & GAS                    | SAN ANDRES | 1570        |
|           |      |        |                              | GLORIETA   | 3110        |
|           |      |        |                              | YESO       | 3275        |
|           |      |        |                              | TUBB       | 3976        |

32. Additional remarks (include plugging procedure):  
THIS IS FOR A RE-COMPLETION TO 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 #429925 Verified by the BLM Well Information System.  
For LIME ROCK RESOURCES II-A,L.P., sent to the Carlsbad

Name (please print) MIKE PIPPINTitle PETROLEUM ENGINEERSignature (Electronic Submission)Date 08/03/2018

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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