

RECEIVED

OCD Artesia
AUG 09 2018

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

DISTRICT # ARTESIA O.C.D.

5. Lease Serial No.
NMNM29273

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

a. Type of Well Oil Well Gas Well Dry Other
b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.
Other _____

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 P FEDERAL 55

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

9. API Well No.
30-015-43722-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface SESE 980FSL 740FEL
At top prod interval reported below SESE 980FSL 740FEL
At total depth SESE 980FSL 740FEL

10. Field and Pool, or Exploratory
RED LAKE

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 01/25/2018 15. Date T.D. Reached 01/30/2018 16. Date Completed D & A Ready to Prod. 02/23/2018

17. Elevations (DF, KB, RT, GL)*
3462 GL

18. Total Depth: MD 4600 TVD 19. Plug Back T.D.: MD 4533 TVD 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 Sk. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|------------|-------------|----------|-------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 12.250 | 8.625 J-55 | 24.0 | 0 | 349 | | 350 | 84 | 0 | 0 |
| 7.875 | 5.500 J-55 | 17.0 | 0 | 4596 | | 800 | 224 | 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 | 3251 | | | | | | | |

25. Producing Intervals

26. Perforation Record

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|------------------|-----|--------|---------------------|------|-----------|--------------|
| A) GLORIETA YESO | | 2785 | 2944 TO 3254 | | 29 | OPEN |
| B) | | | 3398 TO 3731 | | 35 | OPEN |
| C) | | | 3800 TO 4177 | | 36 | OPEN |
| D) | | | 4290 TO 4451 | | 23 | OPEN |

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

| Depth Interval | Amount and Type of Material |
|----------------|---|
| 2944 TO 3254 | 1512 GAL 15% HCL & FRACED W/30,182# 100 MESH & 325,202# 30/50 SAND IN SLICK WATER |
| 3398 TO 3731 | 2012 GAL 15% HCL & FRACED W/32,154# 100 MESH & 324,078# 30/50 SAND IN SLICK WATER |
| 3800 TO 4177 | 1870 GAL 15% HCL & FRACED W/31,965# 100 MESH & 310,097# 30/50 SAND IN SLICK WATER |
| 4290 TO 4451 | 1500 GAL 15% HCL & FRACED W/32,170# 100 MESH & 128,302# 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 |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|---------------------------|
| 02/25/2018 | 03/09/2018 | 24 | → | 150.0 | 250.0 | 1250.0 | | | ELECTRIC PUMP SUB-SURFACE |
| Choke Size | Tbg. Press. Flwg. | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| SI | | | → | 150 | 250 | 1250 | 1667 | POV | |

ACCEPTED FOR RECORD

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. | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| SI | | | → | | | | | | |

AUG - 1 2018
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #409996 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED **

Reclamation DUE: 8/23/18

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 | 2785 2902 | 2902 | OIL & GAS OIL & GAS | QUEEN GRAYBURG SAN ANDRES GLORIETA YESO | 680 1110 1336 2785 2902 |

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 #409996 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 04/04/2018 (18DW0117SE)

Name (please print) MIKE PIPPIN Title PETROLEUM ENGINEER

Signature _____ (Electronic Submission) Date 03/31/2018

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.

**** REVISED ** REVISED ****