

JUL 16 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

DISTRICT II-ARTESIA O.G.D.

5. Lease Serial No.
NMLC070678A

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
HAWK 8 K FEDERAL 51

9. API Well No.
30-015-43951

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

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

12. County or Parish
EDDY COUNTY

13. State
NM

17. Elevations (DF, KB, RT, GL)*
3413 GL

1a. 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, L.P. E-Mail: mike@pippinlc.com

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

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

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface NESW 2305FSL 1600FWL
At top prod interval reported below NESW 2305FSL 1600FWL
At total depth NESW 2305FSL 1600FWL

14. Date Spudded
03/31/2018

15. Date T.D. Reached
04/04/2018

16. Date Completed
 D & A Ready to Prod.
06/12/2018

18. Total Depth: MD 4515 TVD 4515

19. Plug Back T.D.: MD 4470 TVD 4470

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CASED HOLE NEUTRON LOG

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		350	84	0	0
7.875	5.500 J-55	17.0	0	4506		800	221	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	2575							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
RED LAKE, GL-YESO 51120	2602		2750 TO 3051	0.400	29	OPEN
B)			3290 TO 3591	0.400	38	OPEN
C)			3740 TO 4111	0.400	38	OPEN
D)			4266 TO 4465	0.400	27	OPEN

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

Depth Interval	Amount and Type of Material
2750 TO 3051	1890 GAL 15% HCL & FRACED W/29,392# RC 100 MESH & 345,463# RC 30/50 SAND IN SLICK WATER
3290 TO 3591	2000 GAL 15% HCL & FRACED W/29,970# RC 100 MESH & 364,980# RC 30/50 SAND IN SLICK WATER
3740 TO 4111	1890 GAL 15% HCL & FRACED W/30,530# RC 100 MESH & 352,185# RC 30/50 SAND IN SLICK WATER
4266 TO 4465	1500 GAL 15% HCL & FRACED W/30,108# RC 100 MESH & 34,792# 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
06/17/2018	07/06/2018	24	▶	69.0	91.0	697.0			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		▶	69	91	697	1319	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
			▶					
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	
	SI		▶					

Pending BLM approvals will subsequently be reviewed and scanned

7-31-18

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

ELECTRONIC SUBMISSION #427166 VERIFIED BY THE BLM WELL INFORMATION S

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED

... OPERATOR-SUBMITTED **

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	2602	2683	OIL & GAS	QUEEN	548
YESO	2683	4306	OIL & GAS	GRAYBURG	1007
TUBB	4306		OIL & GAS	SAN ANDRES	1217
				GLORIETA	2602
				YESO	2683
				TUBB	4306

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 #427166 Verified by the BLM Well Information System.
For LIME ROCK RESOURCES II-A,L.P., sent to the Carlsbad

Name (please print) MIKE PIPPIN Title PETROLEUM ENGINEER

Signature (Electronic Submission) Date 07/12/2018

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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