

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTNMLC CONSERVATION
ARTESIA DISTRICT
Artesia
AUG 29 2017FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other			5. Lease Serial No. NMLC067849		
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____			6. If Indian, Allottee or Tribe Name		
2. Name of Operator LIME ROCK RESOURCES II A LP E-Mail: MIKE@PIPPINLLC.COM Contact: MIKE PIPPIN			7. Unit or CA Agreement Name and No.		
3. Address 1111 BAGBY STREET SUITE 4600 HOUSTON, TX 77002			8. Lease Name and Well No. EAGLE 34 K FEDERAL 77		
3a. Phone No. (include area code) Ph: 505-327-4573			9. API Well No. 30-015-43886-00-S1		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Sec 34 T17S R27E Mer NMP SENW 2405FNL 2440FWL At top prod interval reported below NESW 2271FSL 2297FWL Sec 34 T17S R27E Mer NMP At total depth NESW 2271FSL 2290FWL			10. Field and Pool, or Exploratory RED LAKE-GLORIETA-YESO, NE		
14. Date Spudded 02/05/2017			15. Date T.D. Reached 02/12/2017		
16. Date Completed ☐ D & A ☒ Ready to Prod. 03/28/2017			17. Elevations (DF, KB, RT, GL)* 3569 GL		
18. Total Depth: MD 4855 TVD 4756		19. Plug Back T.D.: MD 4800 TVD 4706		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CASED HOLE NEUTRO			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	430		C 300	72	0	0
7.875	5.500 J-55	17.0	0	4843		C 1000	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)
3.500	2821							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA YESO	3140	4770	3140 TO 3456	0.410	32	OPEN
B)			3595 TO 3881	0.410	26	OPEN
C)			3990 TO 4317	0.410	28	OPEN
D)			4437 TO 4770	0.410	30	OPEN

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

Depth Interval	Amount and Type of Material
3140 TO 3456	1500 GAL 15% HCL & FRACED W/30,000# 100 MESH & 262,500# 30/50 SAND IN SLICK WATER
3595 TO 3881	1500 GAL 15% HCL & FRACED W/30,100# 100 MESH & 231,080# 30/50 SAND IN SLICK WATER
3990 TO 4317	1560 GAL 15% HCL & FRACED W/30,010# 100 MESH & 266,227# 30/50 SAND IN SLICK WATER
4437 TO 4770	1500 GAL 15% HCL & FRACED W/30,059# 100 MESH & 304,916# 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
03/28/1977	03/29/2017	24	→	97.0	50.0	715.0			ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→	97	50	715	515	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	
			→						

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

ELECTRONIC SUBMISSION #372613 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED

RECLAMATION DUE:

PETROLEUM ENGINEER

SEP 28 2017

AUG 08 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	3021	3093	OIL & GAS	QUEEN	858
YESO	3093	4519	OIL & GAS	GRAYBURG	1277
GLORIETA YESO	3140	4770	OIL/GAS/WATER	SAN ANDRES	1612
TUBB	4519	4843	OIL & GAS	GLORIETA	3021
				YESO	3093
				TUBB	4519

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 #372613 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 04/12/2017 (17DW0055SE)

Name (please print) MIKE PIPPINTitle PETROLEUM ENGINEER

Signature _____ (Electronic Submission)

Date 04/11/2017

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

Measured Depth	Inc.	Azm.	T.V.D.	Ver. Sect.	+N / -S	+E / -W
453	0.2	330.8	453	-0.58	0.69	-0.39
518	3	209.7	517.97	0.97	-0.69	-1.28
582.00	5.70	211.60	581.78'	5.61'	-4.85'	-3.78
614.00	6.90	205.40	613.59'	9.00'	-7.94'	-5.44
645.00	7.10	202.70	644.36'	12.72'	-11.39'	-6.97
677.00	7.00	202.70	676.11	16.60	-15.01	-8.49
709.00	8.50	200.10	707.82	20.87	-19.03	-10.06
742.00	9.10	198.10	740.43	25.90	-23.80	-11.70
774.00	10.10	190.30	771.98	31.22	-28.97	-12.99
806.00	10.20	188.60	803.48	36.85	-34.53	-13.92
838.00	9.60	188.20	835.01	42.33	-39.98	-14.72
870.00	11.40	192.80	866.47	48.14	-45.70	-15.80
902.00	11.70	192.30	897.82	54.55	-51.96	-17.20
934.00	12.60	194.10	929.11	61.28	-58.51	-18.74
965.00	12.70	193.00	959.35	68.07	-65.11	-20.33
997.00	14.00	194.90	990.49	75.46	-72.28	-22.11
1029.00	14.10	196.10	1021.53	83.22	-79.76	-24.19
1061.00	15.60	196.90	1052.46	91.42	-87.63	-26.52
1093.00	15.90	194.80	1083.26	100.09	-95.98	-28.89
1125.00	18.30	194.70	1113.84	109.50	-105.08	-31.29
1157.00	19.20	194.80	1144.14	119.79	-115.03	-33.91
1189.00	21.00	196.30	1174.19	130.77	-125.62	-36.86
1221.00	21.70	196.00	1204.00	142.41	-136.81	-40.10
1253.00	21.30	196.10	1233.77	154.13	-148.08	-43.34
1285.00	21.20	194.90	1263.60	165.72	-159.26	-46.44
1317.00	20.70	190.90	1293.48	177.16	-170.40	-49.00
1349.00	20.70	190.70	1323.42	188.46	-181.51	-51.12
1381.00	20.50	188.90	1353.37	199.69	-192.61	-53.04
1414.00	20.40	189.50	1384.29	211.18	-203.99	-54.88
1478.00	19.70	188.20	1444.41	233.04	-225.67	-58.26
1541.00	19.40	186.40	1503.78	253.99	-246.57	-60.94
1605.00	19.90	188.10	1564.05	275.37	-267.92	-63.66
1674.00	21.40	192.20	1628.62	299.65	-291.85	-67.97
1738.00	21.50	192.70	1688.19	323.05	-314.71	-73.02
1802.00	21.60	192.00	1747.72	346.55	-337.67	-78.05
1866.00	21.50	192.00	1807.24	370.05	-360.66	-82.94
1930.00	21.50	191.20	1866.79	393.49	-383.64	-87.65
1994.00	21.60	192.50	1926.32	416.98	-406.65	-92.48
2057.00	21.40	191.70	1984.93	440.06	-429.22	-97.32
2121.00	21.10	191.80	2044.58	463.24	-451.93	-102.04
2185.00	20.90	192.50	2104.33	486.17	-474.35	-106.87
2249.00	19.30	192.00	2164.43	508.16	-495.85	-111.54
2313.00	17.90	193.60	2225.09	528.56	-515.75	-116.05
2345.00	16.50	194.00	2255.65	538.03	-524.94	-118.31
2377.00	14.90	192.80	2286.46	546.68	-533.36	-120.32
2409.00	13.50	188.90	2317.48	554.52	-541.07	-121.81
2441.00	13.30	189.60	2348.61	561.91	-548.38	-123.00
2473.00	13.20	188.70	2379.76	569.23	-555.63	-124.17
2506.00	13.40	188.90	2411.87	576.79	-563.13	-125.33
2538.00	13.50	190.30	2443.00	584.21	-570.47	-126.57
2569.00	12.00	192.40	2473.23	591.05	-577.17	-127.91
2601.00	10.20	194.10	2504.63	597.21	-583.17	-129.31

2633.00	8.60	196.90	2536.20	602.43	-588.21	-130.70
2665.00	8.50	198.90	2567.84	607.17	-592.74	-132.16
2697.00	8.50	199.00	2599.49	611.88	-597.21	-133.70
2729.00	8.60	199.40	2631.14	616.62	-601.70	-135.26
2761.00	7.70	200.90	2662.81	621.13	-605.96	-136.82
2793.00	6.60	201.20	2694.56	625.08	-609.68	-138.25
2825.00	6.20	204.50	2726.37	628.60	-612.97	-139.63
2857.00	5.50	206.30	2758.20	631.79	-615.91	-141.03
2888.00	4.50	199.60	2789.08	634.45	-618.39	-142.10
2920.00	4.00	185.70	2820.99	636.80	-620.68	-142.63
2952.00	3.80	182.40	2852.92	638.95	-622.85	-142.78
2984.00	2.80	177.60	2884.87	640.74	-624.69	-142.79
3016.00	1.30	193.10	2916.84	641.88	-625.86	-142.85
3048.00	0.10	156.20	2948.84	642.24	-626.21	-142.91
3080.00	0.70	6.70	2980.84	642.07	-626.04	-142.88
3143.00	0.70	355.10	3043.84	641.32	-625.27	-142.87
3207.00	0.70	351.60	3107.83	640.59	-624.50	-142.96
3272.00	0.70	338.90	3172.83	639.89	-623.73	-143.16
3336.00	0.70	1.60	3236.82	639.19	-622.98	-143.29
3399.00	0.80	355.40	3299.82	638.40	-622.16	-143.31
3463.00	0.80	351.80	3363.81	637.56	-621.27	-143.41
3527.00	1.30	233.20	3427.80	637.70	-621.26	-144.06
3591.00	1.60	223.10	3491.78	639.04	-622.35	-145.25
3655.00	1.80	227.40	3555.76	640.66	-623.68	-146.60
3719.00	0.50	179.00	3619.74	641.76	-624.64	-147.34
3783.00	0.70	99.80	3683.74	642.01	-624.99	-146.95
3847.00	0.60	100.80	3747.74	641.96	-625.12	-146.23
3911.00	0.60	134.90	3811.73	642.12	-625.42	-145.67
3975.00	0.50	95.40	3875.73	642.25	-625.68	-145.15
4039.00	0.70	96.40	3939.73	642.16	-625.75	-144.48
4103.00	0.90	112.80	4003.72	642.19	-625.99	-143.63
4167.00	0.70	101.20	4067.71	642.26	-626.26	-142.78
4231.00	0.70	90.20	4131.71	642.15	-626.33	-142.01
4295.00	0.80	102.40	4195.70	642.05	-626.43	-141.18
4359.00	0.50	296.60	4259.70	641.97	-626.40	-141.00
4423.00	1.00	267.90	4323.70	642.06	-626.30	-141.80
4486.00	1.30	287.10	4386.68	642.17	-626.11	-143.04
4550.00	1.30	294.90	4450.67	641.99	-625.59	-144.39
4614.00	1.00	282.50	4514.65	641.86	-625.16	-145.59
4679.00	1.10	285.30	4579.64	641.85	-624.87	-146.75
4743.00	1.10	284.10	4643.63	641.83	-624.56	-147.94
4805.00	1.40	282.10	4705.62	641.85	-624.26	-149.25
4855.00	1.40	282.10	4755.60	641.88	-624.00	-150.45