

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NMOCD

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS Artesia**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. NMNM0557370
2. Name of Operator LIME ROCK RESOURCES II-A, L.P. E-Mail: MIKE@PIPPINLLC.COM		6. If Indian, Allottee or Tribe Name
3a. Address C/O MIKE PIPPIN 3104 N. SULLIVAN FARMINGTON, NM 87401	3b. Phone No. (include area code) Ph: 505-327-4573	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 34 T17S R27E NENE 500FNL 965FEL		8. Well Name and No. EAGLE 34 A FEDERAL 82
		9. API Well No. 30-015-43887
		10. Field and Pool or Exploratory Area RED LAKE, GL-YESO NE 96836
		11. County or Parish, State EDDY COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Well Spud
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

THIS IS THE SPUD & CASING REPORT FOR A NEW OIL WELL:

Spudded well on 4/7/18. Drilled 12-1/4" hole to 355'. Set 8-5/8" 24# J-55 csg @ 353'. Cmted w/350' sx (469 cf) cl "C" cmt w/2% Cacl₂ & 0.125#/sx cello flakes. Circ. 83 sx cmt to surface. On 4/9/18, pressure tested 8-5/8" csg to 1500 psi for 30 min-OK.
Drilled 7-7/8" hole to TD4694' on 4/13/18. On 4/14/18, set 5-1/2" 17# J-55 production csg @ 4688'. Cmted lead w/300 sx (588 cf) 35/65 poz cl "C" w/6% gel/PF20, 5% salt/PF44, 0.2% fluid loss/PF606, 0.125#/sx cello flake/PF29, 0.4#/sx antifoamer/PF45, 0.1% retarder/PF13 & 3#/sx koseal/PF42. Tailed w/600 sx (798 cf) cl "C" cmt w/0.2% fluid loss/PF606, 0.2% dispersant/PF65, & 0.125#/sx cellophane/PF29. Circ 252 sx cmt to surface. Released drilling rig on 4/15/18. Plan to pressure test 5-1/2" csg during completion operations.

RECEIVED

MAY 07 2018

DISTRICT II-ARTESIA O.C.D.

Accepted for record - NMOCD

14. I hereby certify that the foregoing is true and correct. Electronic Submission #411851 verified by the BLM Well Information System For LIME ROCK RESOURCES II-A, L.P., sent to the Carlsbad Committed to AFMSS for processing by JENNIFER SANCHEZ on 04/23/2018 ()	
Name (Printed/Typed) MIKE PIPPIN	Title PETROLEUM ENGINEER
Signature (Electronic Submission)	Date 04/20/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title _____	Date APR 23 2018
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office _____	

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.

(Instructions on page 2)

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

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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MAY 07 2018

DISTRICT II-ARTESIA O.G.D.

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

AS DRILLED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-43887	Pool Code 96836	³ Pool Name Red Lake, Glorieta-Yeso NE
⁴ Property Code 308947	⁵ Property Name EAGLE 34 A FEDERAL	
⁷ OGRID No. 277558	⁸ Operator Name LIME ROCK RESOURCES II-A, L.P.	
		⁶ Well Number 82
		⁹ Elevation 3541' GL

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	34	17-S	27-E		500	NORTH	965	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or IA	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	34	17-S	27-E		345	NORTH	968	EAST	EDDY

¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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2594.17'

		¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling heretofore entered by the division. Date: 4/14/18 Signature: _____ Printed Name: <u>Mike Pippin</u>
		¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 1/12/16 Date of Survey: _____ Signature and Seal of Professional Surveyor: <u>Filmon F. Jaramillo</u> 12797 Certificat Number

				Certificate Number
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Lime Rock Resources

Eddy Co, NM

Eagle 34A Fed

Eagle 34A Fed #82

Original Hole

Design: surveys

Standard Survey Report

16 April, 2018



Windows User
Survey Report



Company:	Lime Rock Resources	Local Co-ordinate Reference:	Well Eagle 34A Fed #82
Project:	Eddy Co, NM	TVD Reference:	12.8' KB @ 3553.60usft (United 33)
Site:	Eagle 34A Fed	MD Reference:	12.8' KB @ 3553.60usft (United 33)
Well:	Eagle 34A Fed #82	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	surveys	Database:	Accel Server EDM

Project	Eddy Co, NM		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Eagle 34A Fed				
Site Position:		Northing:	653,597.24 usft	Latitude:	32.796749
From:	Map	Easting:	563,483.63 usft	Longitude:	-104.261262
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence:	0.04 °

Well	Eagle 34A Fed #82					
Well Position	+N/-S	0.00 usft	Northing:	653,597.24 usft	Latitude:	32.796749
	+E/-W	0.00 usft	Easting:	563,483.63 usft	Longitude:	-104.261262
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,540.80 usft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	3/27/2018	7.23	60.47	48,122.30551756

Design	surveys				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	359.116	

Survey Program	Date 4/16/2018				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
365.00	4,694.00	accel mwd (Original Hole)	MWD+IGRF	OWSG MWD + IGRF or WMM	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
365.00	0.10	178.800	365.00	-0.32	0.01	-0.32	0.03	0.03	0.00	
459.00	0.30	198.200	459.00	-0.63	-0.07	-0.63	0.22	0.21	20.64	
524.00	0.60	6.800	524.00	-0.46	-0.08	-0.46	1.38	0.46	259.38	
587.00	2.40	9.400	586.97	1.17	0.17	1.17	2.86	2.86	4.13	
683.00	3.20	15.400	682.86	5.74	1.21	5.72	0.89	0.83	6.25	
780.00	4.00	12.600	779.67	11.65	2.67	11.61	0.84	0.82	-2.89	
844.00	3.60	9.700	843.53	15.81	3.50	15.75	0.69	-0.63	-4.53	
907.00	3.50	351.000	906.41	19.66	3.53	19.60	1.84	-0.16	-29.68	
1,004.00	3.30	346.400	1,003.24	25.30	2.41	25.26	0.35	-0.21	-4.74	

Windows User
Survey Report



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Project:	Eddy Co, NM	TVD Reference:	12.8' KB @ 3553.60usft (United 33)
Site:	Eagle 34A Fed	MD Reference:	12.8' KB @ 3553.60usft (United 33)
Well:	Eagle 34A Fed #82	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	surveys	Database:	Accel Server EDM

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
1,100.00	2.80	344.700	1,099.10	30.24	1.14	30.22	0.53	-0.52	-1.77	
1,196.00	3.80	349.200	1,194.94	35.63	-0.08	35.63	1.08	1.04	4.69	
1,292.00	4.80	355.300	1,290.67	42.76	-1.00	42.77	1.14	1.04	6.35	
1,387.00	4.60	352.400	1,385.35	50.49	-1.83	50.52	0.33	-0.21	-3.05	
1,483.00	4.50	352.900	1,481.05	58.05	-2.80	58.08	0.11	-0.10	0.52	
1,580.00	4.20	349.800	1,577.77	65.32	-3.90	65.37	0.39	-0.31	-3.20	
1,676.00	4.50	349.800	1,673.49	72.49	-5.19	72.56	0.31	0.31	0.00	
1,772.00	4.50	5.900	1,769.20	79.94	-5.47	80.01	1.31	0.00	16.77	
1,867.00	4.50	6.200	1,863.91	87.35	-4.69	87.41	0.02	0.00	0.32	
1,963.00	4.30	9.900	1,959.62	94.64	-3.66	94.69	0.36	-0.21	3.85	
2,060.00	4.50	11.800	2,056.34	101.95	-2.26	101.97	0.26	0.21	1.96	
2,156.00	4.40	10.100	2,152.05	109.26	-0.84	109.26	0.17	-0.10	-1.77	
2,251.00	4.40	9.900	2,246.77	116.44	0.42	116.42	0.02	0.00	-0.21	
2,347.00	4.40	11.300	2,342.49	123.68	1.78	123.63	0.11	0.00	1.46	
2,443.00	4.40	9.500	2,438.20	130.92	3.11	130.86	0.14	0.00	-1.88	
2,538.00	3.90	359.700	2,532.95	137.74	3.69	137.67	0.91	-0.53	-10.32	
2,634.00	4.00	359.900	2,628.73	144.36	3.67	144.28	0.11	0.10	0.21	
2,730.00	3.50	2.700	2,724.52	150.63	3.80	150.56	0.55	-0.52	2.92	
2,826.00	1.00	318.800	2,820.44	154.19	3.39	154.12	2.98	-2.60	-45.73	
2,922.00	1.10	227.500	2,916.43	154.20	2.16	154.15	1.57	0.10	-95.10	
3,018.00	0.90	215.100	3,012.42	152.96	1.04	152.92	0.31	-0.21	-12.92	
3,114.00	1.00	226.100	3,108.41	151.76	0.01	151.74	0.22	0.10	11.46	
3,210.00	0.90	225.900	3,204.39	150.66	-1.14	150.66	0.10	-0.10	-0.21	
3,306.00	0.80	242.600	3,300.38	149.82	-2.28	149.84	0.28	-0.10	17.40	
3,402.00	0.40	279.500	3,396.38	149.57	-3.20	149.60	0.56	-0.42	38.44	
3,497.00	0.60	357.600	3,491.37	150.12	-3.55	150.16	0.68	0.21	82.21	
3,593.00	0.40	358.300	3,587.37	150.96	-3.58	151.00	0.21	-0.21	0.73	
3,689.00	0.20	341.300	3,683.37	151.45	-3.64	151.49	0.23	-0.21	-17.71	
3,785.00	0.30	330.100	3,779.37	151.83	-3.82	151.87	0.12	0.10	-11.67	
3,880.00	0.10	30.700	3,874.37	152.12	-3.90	152.16	0.28	-0.21	63.79	
3,977.00	0.20	16.000	3,971.37	152.35	-3.81	152.39	0.11	0.10	-15.15	
4,073.00	0.20	53.900	4,067.37	152.61	-3.63	152.65	0.14	0.00	39.48	
4,168.00	0.30	36.100	4,162.37	152.91	-3.35	152.94	0.13	0.11	-18.74	
4,265.00	0.20	330.700	4,259.36	153.26	-3.29	153.29	0.29	-0.10	-67.42	
4,361.00	0.30	37.000	4,355.36	153.61	-3.22	153.64	0.30	0.10	69.06	
4,456.00	0.30	351.500	4,450.36	154.05	-3.10	154.08	0.24	0.00	-47.89	
4,552.00	0.30	17.100	4,546.36	154.54	-3.07	154.57	0.14	0.00	26.67	
4,694.00	0.30	17.100	4,688.36	155.25	-2.85	155.28	0.00	0.00	0.00	
Projected to TD @ 4694.00' MD, 0.30°, 17.100° Azi										

Windows User
Survey Report



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Well:	Eagle 34A Fed #82	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	surveys	Database:	Accel Server EDM

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
4,694.00	4,688.36	155.25	-2.85	Projected to TD @ 4694.00' MD, 0.30°, 17.100° Azi

Checked By: _____ Approved By: _____ Date: _____