

## OCD-ARTESIA

Form 3160-5  
(August 2007)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No 1004-0137  
Expires July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**5. Lease Serial No  
NM-0557370

6 If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE – Other instructions on page 2**

## 1 Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator  
Lime Rock Resources II-A, L.P.3a. Address  
1111 Bagby Street, Suite 4600  
Houston, Texas 770023b Phone No. (include area code)  
713-292-9526

7. If Unit of CA/Agreement, Name and/or No

8 Well Name and No  
Eagle 26 P Federal #59. API Well No.  
30-015-3945210. Field and Pool or Exploratory Area  
Red Lake; Glorieta-Yeso NE (96836)4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
990' FSL & 730' FEL Unit P, S26-T17S-R27E11 Country or Parish, State  
Eddy County, New Mexico

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Request to run
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	contingency string due
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	to partial loss of returns

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.)

10-19-2011 Lime Rock Resources II-A, L.P. ("LRR") spud the Eagle 26 P Federal #5 0145 hrs MST 10-19-2011 after setting 84' of conductor. At 134' MD, LRR incurred partial loss of returns (60% loss). The company mixed paper and fiber and was able to drill to 385' MD with 90% returns. LRR respectfully requests the following changes in its drilling, casing and cementing program for the well:

A. Ream the currently drilled 12-1/4" hole to 385' with a 17-1/2" bit, B. Run 13-3/8", 48#, H40, STC casing and float equipment to 375' MD, C. Circulate cement to surface behind the 13-3/8" casing using 100 sx Thixotropic H, 120 sx Cl C cmt + 1/4#/sk cello flake + 2% CaCl2 lead mixed @ 12.8 ppg with a 1.95 cu ft/sk yield, followed by 260 sx Cl C cmt + 2% CaCl2 mixed @ 14.8 ppg + 1.33 cu ft/sk.

If the cement circulates to surface and remains at surface without "fall back", LRR will return to the remainder of the drilling program for this well using the 13-3/8" as surface. In the event the cement does not circulate to surface in one solid sheath, LRR further requests a second two additional contingencies whereby 1" is used to cement the 13-3/8" from the top of cement behind the casing to surface (a minimum of 100 sx of the tail slurry listed above) and the ability to set 8-5/8", 24#, J-55, STC casing at 385' and cement the 8-5/8" casing to surface using 210 sx of 14.8 ppg, 1.33 yield, Cl C cement with 2% CaCl2.

Accepted for record  
NMOCDRECEIVED  
DEC 05 2011  
NMOCD ARTESIA

14 I hereby certify that the foregoing is true and correct Name (Printed/Typed)

Robert S. (Sid) Ashworth

Title Production Engineer

Signature

Date 10/19/2011

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Office

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.

APPROVED

OCT 20 2011

Date

WESLEY W. INGRAM  
PETROLEUM ENGINEER

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)

## OCD-ARTESIA

Form 3160-5  
(April 2004)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007**SUNDRY NOTICES AND REPORTS ON WELLS****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 reverse side.**1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator  
Lime Rock Resources II-A, L.P.3a. Address  
1111 Bagby Street, Suite 4600, Houston, Texas 770023b. Phone No. (include area code)  
713-292-95264. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
990' FSL and 730' FEL, Unit P, Sec. 26-T17S-R27E5. Lease Serial No.  
NM-0557370

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
Eagle 26 P Federal #59. API Well No.  
30-015-3945210. Field and Pool, or Exploratory Area  
Red Lake; Glorieta-Yeso NE (96836)11. County or Parish, State  
Eddy County, New Mexico**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

## TYPE OF SUBMISSION

## TYPE OF ACTION

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

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 recompleate 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

10-24-2011 Lime Rock Resources II-A, L.P. is currently drilling the Eagle 26 P Federal #5 well @ a depth of 3300'. Based on geologic correlation, the company now believes the top of the Tubb formation to be at 4520' MD, and that top is also the base of the Lower Yeso oil production zone expected in this wellbore. The company respectfully requests permission to drill deeper than the permitted of 4500' MD to a depth of 4600' MD. In drilling deeper, the company is also requesting permission to set 5-1/2", 17#, J-55, ST&C casing at 4600' instead of the permitted 4500'; and furthermore, the company wishes to increase the tail slurry of cement used to cement the 5-1/2" casing in place by an additional 25 sx from 550 sx to 575 sx.

Accepted for record  
NMOCDTES  
12/8/2011

RECEIVED

DEC 05 2011

NMOCD ARTESIA

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Robert S. (Sid) Ashworth

Title Production Engineer

Signature

Date

10/24/2011

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

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Office

WESLEY W. INGRAM

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(Instructions on page 2)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

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OMB No. 1004-0137  
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**  
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6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

1. Type of Well

☒ Oil Well☐ Gas Well☐ Other

2. Name of Operator

Lime Rock Resources II-A, L.P.

8. Well Name and No.  
Eagle 26 P Federal #59. API Well No.  
30-015-39452

3a. Address

1100 Bagby Street, Suite 4600, Houston, Texas 77002

3b. Phone No. (include area code)

713-292-9526

10. Field and Pool or Exploratory Area  
Red Lake; Glorieta-Yeso NE

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

990' FSL and 730' FEL, Unit P, Sec. 26-T17S-R27E

11. Country or Parish, State  
Eddy County, New Mexico**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

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<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Loss Circulation
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Mitigation w/ Added
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	Casing String

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10-20-2011 Lime Rock Resources II-A, L.P. spudded the Eagle 26 P Federal #5 on 10-19-2011. A loss circulation zone was encountered at 134' MD. The company received approval via email from Mr. Wesley Ingram of the BLM and drilled a 12-1/4" hole, with 40 to 90% partial returns, to 385' MD. The hole was reamed to 17-1/2" with a rock bit to 385'. 13-3/8", 48#, H-40, ST&C new casing was run to 383' MD. The casing was cemented to surface with: Lead 1 slurry of 100 sx of Thixotropic H cement mixed at 14.6 ppg and 1.49 cu ft/sk, Lead 2 slurry of 120 sx of CI C cement w/ 2% CaCl<sub>2</sub> plus 1/4 lb/sk of cello flake mixed at 14.8 ppg and a yield of 1.34 cu ft/sk, and a tail slurry of 260 sx CI C cement with 2% CaCl<sub>2</sub> mixed at 14.8 ppg and a yield of 1.34 cu ft/sk. All cement was mixed and pumped at 4 BPM and displaced with fresh water @ 5.5 BPM. 136 sx of cement was circulated to the steel pits. The plug was bumped to 1900 psig, and when the float collar was checked for flow, it did not hold. The 13-3/8" casing was re-pressured to 500 psig and the pressure was held on the casing for 8 hours. After 8 hours WOC, a whole was cut in the 20" conductor pipe and Mr. Richard Corrasco of the BLM witnessed cement top at 6' behind the 13-3/8" casing.

12-21-2011 After WOC a total of 18 hours, the float collar and shoe and 12-1/4" hole to 410' MD. 8-5/8", 24#, J-55, ST&C casing was run to 391' MD and cemented to surface with 210 sx of CI C cement plus 2% CaCl<sub>2</sub> mixed at 14.8 ppg and with a yield of 1.34 cu ft/sk. 29 sx of cement was circulated to the steel pits during displacement with fresh water at 5.5 bpm and the plug was bumped to 700 psig. The float collar held. After 8 hours of WOC, BOP's were nipped up and tested to 250 psig low pressure and 2000 psig high pressure against a test plug. Terry Wilson of the BLM was notified of the cement job and BOP testing.

10-22-2011 After 19 hours, a 7-7/8" bit and motor were run in the hole to resume drilling. Before the float collar was drilled out the 8-5/8" casing, the casing was tested to 1500 psig for 30 minutes. The floats were drilled out and the original drilling plan resumed.

14 I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Robert S. (Sid) Ashworth

Title Production Engineer

Accepted for record

NMOCD

Signature

Date 10/24/2011

ACCEPTED FOR RECORD

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Office

DEC 2 2011

Date

WESLEY W. INGRAM  
PETROLEUM ENGINEER

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