

(Instructions on page 2)

OCD-HOBB\$

Form 3160-5 (August 2007) ANG A 700R UNITED STATES DEPARTMENT OF THE INTERIOR BURNAU OF LAND MANAGEMENT BURNAU OF LAND MEPORTS ON W	
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. 7. If Unit of CA/Agreement, Name and/or No.	
1 Type of Well ✓ Oil Well Gas Well Other	8. Well Name and No Pronghorn AHO Federal 1
2. Name of Operator Lime Rock Resources A, L.P. 9. API Well No. 30-025-26496	
Heritage Plaza, 1111 Bagby, Suite 4600	(include area code) 10 Field and Pool or Exploratory Area 292-9510 Und. Red Tank; Delaware, West
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) Unit G, 1980' FNL & 1980' FEL, Section 6-T23S-R33E	11. Country or Parish, State Lea County, New Mexico
12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA	
TYPE OF SUBMISSION	TYPE OF ACTION
	Production (Start/Resume) Water Shut-Off Treat Reclamation Well Integrity Construction Recomplete Other
Subsequent Report	and Abandon Temporarily Abandon
Final Abandonment Notice Convert to Injection Plug	Back Water Disposal
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 recompletion 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.) 1. Pull production equipment. 2. Set CIBP @ 8,101' and cap with 35' cement to place a plug above the open Delaware perforations. 3. Perforate and spot a 50 sx Class "C" cement plug from 4,976' to 5,151' to place a 175' plug acrosss the intermediate casing shoe and top of the Delaware, inside and outside the casing. WOC and tag the plug. 4. Perforate and spot a 40 sx Class "C" cement plug from 3,091' to 3,191' to place a 100' plug between the Delaware and Rustler plugs., inside and outside the casing. WOC and tag the plug. 5. Perforate and spot a 40 sx Class "C" cement plug from 1,207' to 4,307' to place a 100' plug acrosss top of the Rustler, inside and outside the casing. WOC and tag the plug. 6. Perforate and spot a 40 sx Class "C" cement plug from 686' to 786' to place a 100' plug across the surface casing shoe, inside and outside the casing. WOC and tag the plug.	
7. Perforate and circulate a 60 sx Class "C" cement plug 150' to surface, inside and outside the casing. 8. Remove all surface equipment, weld dry-hole marker, and clean location per regulations. APPROVED	
SEE ATTACHED FOR CONDITIONS OF APPROVAL JAMES A. AMOS JAMES A. AMOS	
14 I hereby certify that the foregoing is true and correct. Name (Printed/Typed)	SUPERVISOR-EPS
Charles Adcock	Title Managing Director
Signature	Date 07/17/2008
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
Approved by 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 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	

LIME ROCK **PROPOSED** Spot cement from **ABANDONMENT** 150' back to surface 13-3/8", 54.5#, J-55, ST&C Casing @ 736' Perforate at 786' and spot 40 sx plug from 786' to 686' (tag top of plug) Perforate at 1,307' and spot 40 sx plug from 1,307' to 1,207' (tag top of plug) Perforate at 3,191' and spot 40 sx plug from 3,191' to 3,091' (tag top of plug) 10-3/4"; 40.5, 45.5 & 51#; J-55; LT&C Casing @ 5,026 Perforate at 5,151' and spot 50 sx plug from 5,151' to 4,976' (tag top of plug) Squeezed hole in casing 5,682-850 TOC @ 7,901' Set CIBP @ 8,101' and dump 35' cement on top of plug Delaware Perfs: 8,156-62' & 8,168-84' (42 - 0.41" DIA holes) CIBP @ 8,540' w/ 35' cement on top Delaware Perfs: 8,672-80' & 8,745-58 (46 - 0.41" DIA holes) CIBP @ 8,940' w/ 35' cement on top Avalon Perfs: 8,960-74' (30 - 0.42" DIA holes) RBP @ 9.080' w/ 35' cement on top Bone Springs Perfs: 9,921-39' & 10,003-50' CIBP @ 10.215' w/ 35' cement on top Bone Springs Perfs: 10,572-53' (60 - 0.24" DIA holes) CIBP @ 11,500' Top of 5"; 17.9#; S-95; SFJ Liner @ 11,676' Formation 7-5/8", 29 & 33.7#, S-955, LT&C Casing @ 12,174' Rustler Tbg cut off @ 12'603' Delaware Lime Packer @ 13,760' Strawn Perfs: 13,804-905.5' (13 - 0.41" DIA holes) Delaware Sand CIBP @ 14,747 Morrow Perfs: 14,794-00' (24 – 0.50" DIA holes) Morrow Perfs: 15,031-35' (10 - 0.25" DIA holes)

PBTD @ 15,191'

TD @ 16,160'

5"; 17.9#; S-95; SFJ Liner @ 15,400'

Lime Rock Resources **Pronghorn ABO Federal 1** Sec 6G-23S-33E Lea County, NM

Top

1,257

4,980'

5,027

BUREAU OF LAND MANAGEMENT Carlsbad Field Office 620 East Greene Street Carlsbad, New Mexico 88220 575-234-5972

Permanent Abandonment of Federal Wells Conditions of Approval

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within <u>ninety (90)</u> days from the approval date of this Notice of Intent to Abandon.

If you are unable to plug the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.

- 2. <u>Notification:</u> Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-393-3612.
- 3. <u>Blowout Preventers</u>: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.
- 4. <u>Mud Requirement:</u> Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of water. Minimum nine (9) pounds per gallon.
- 5. <u>Cement Requirement</u>: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. In lieu of a cement plug in a cased hole, a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

- 6. <u>Dry Hole Marker</u>: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement. The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds).
- 7. <u>Subsequent Plugging Reporting:</u> Within 30 days after plugging work is completed, file one original and five copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**
- 8. <u>Trash:</u> All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration conditions of approval will be developed and furnished to you.