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NMOCD ARTESIA

N.M. Oil Cons. DIV-Dist. 2

1301 W. Grand Avenue

Artesia, NM 88210

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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 90509

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 A, L.P.

3a. Address

Heritage Plaza, 1111 Bagby, Suite 4600, Houston, TX, 77002

3b. Phone No. (include area code)

(713) 292-9514

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

1,980' FNL & 660' FWL Section 3 T5S-R-25E
Unit E; SWNW

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

NM-109709

8. Well Name and No.

Michael BBS Federal Com 1

9. API Well No.

30-005-63544

10. Field and Pool or Exploratory Area

Pecos Slope Abo Gas

11. Country or Parish, State

Chaves County, NM

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

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ 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 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.)

Plugging Procedure:

1. Pull 2-3/8" production tubing.
2. Place 35' cement on top of previously set composite bridge plug at 4,700'.
2. Set CIBP at 3,650' and place 35' of cement on top of plug.
3. TIH with tubing and load hole with mud. POOH with tubing.
4. Spot 200' cement plug from 1,026' to 826'. WOC and tag plug.
5. Perforate 5/1/2" casing at 60' and circulate casing full of cement back to surface.
6. Cut off wellhead and install dry hole marker.
7. Cut off anchors, fill in cellar, and restore location.

**CA NM-109709 Will Be Subject To Termination
After Well No. 1-Michael BBS Federal Is Plugged.
Please Call David Glass At (575) 627-0275 If You
Have Any Questions Regarding The CA.**

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

C. Tim Miller

Title Vice President - Operations

Signature

C. Tim Miller

Date 07/09/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/S/ DAVID R. GLASS

PETROLEUM ENGINEER

Title

Date

AUG 06 2010

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

90 DAY ROSWELL FIELD OFFICE

Title 18 U.S.C. Section 1001 and 1191 and 18 U.S.C. Section 1213 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 or to furnish any material within its jurisdiction.

(Instructions to Applicants)

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

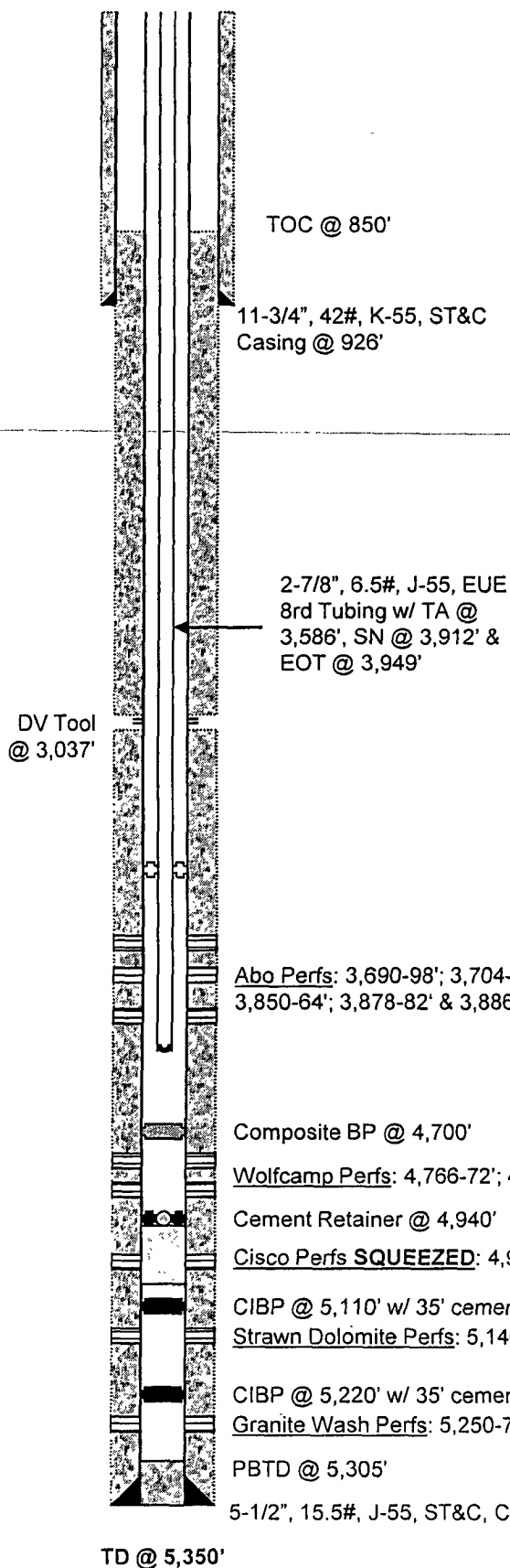
**APPROVED FOR 90 DAY
ENDING NOV 04 2010**

RECEIVED
2010 JUL 13 AM 11:29
BUREAU OF LAND MANAGEMENT
ROSWELL OFFICE



LIME ROCK RESOURCES

CURRENT WELLBORE



Elevation: 3,821' GL

Date Spud: 02/27/03

Date TD'd: 03/17/03

Date Completed: 07/14/03

Zone	Frac
Abo	110,000 gals 65Q CO2 foamed x-linked 7% KCl w/ 250,000# 16/30 Brady sand
Abo	2,500 gals 7-1/2% HCl
Wolfcamp & Cisco	95,000 gals 65Q CO2 foamed x-linked 7% KCl w/ 75,000# 20/40 Ottawa sand
Wolfcamp	3,000 gals 7-1/2% HCl
Cisco	2,450 gals 7-1/2% HCl
Strawn	800 gals 20% HCl
Granite Wash	1,300 gals 7-1/2% HCl

Recompletions & Workovers

Date	
03/17/06	Put well on pump
01/20/09	Moved pumping unit to Karsbad Corral 2 #3-H.
08/07/09	Laid down rod string.

Current Status:

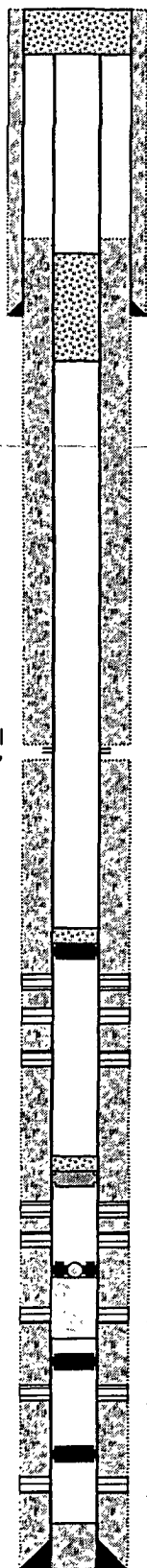
Last Well Test:

Lime Rock Resources
Michael BBS Federal Com 1
Sec 3-5S-26E Unit E
Chaves County, NM
Updated: 10 Aug 2009 SJH



LIME ROCK RESOURCES

PROPOSED ABANDONMENT



Perforate @ 60' and circulate cement back to surface

TOC @ 850'

11-3/4", 42#, K-55, ST&C Surface Casing @ 926'

Spot cement plug from 1,026' to 826' (tag top of plug)

Formation	Top
San Andres	690'
Glorieta	1,522'
Yeso	1,640'
Tubb	3,014'
Abo	3,646'
Wolfcamp	4,402'

Set CIBP @ 3,650' and place 35' cement on top of plug

Abo Perfs: 3,690-98'; 3,704-12'; 3,752-58'; 3,782-94'; 3,802-10'; 3,826-34'; 3,836-44';
3,850-64'; 3,878-82' & 3,886-94' (94 – 0.42" DIA holes)

Place 35' cement on top of previously set composite bridge plug at 4,700'
Composite BP @ 4,700'

Wolfcamp Perfs: 4,766-72'; 4,820-26'; 4,852-58'; 4,880-86' & 4,908-14' (120 – 0.42" DIA holes)

Cement Retainer @ 4,940'

Cisco Perfs **SQUEEZED**: 4,962-70'; 4,990-00' & 5,006-12' (96 – 0.42" DIA holes)

CIBP @ 5,110' w/ 35' cement on top of plug
Strawn Dolomite Perfs: 5,140-48' (18 – 0.42" DIA holes)

CIBP @ 5,220' w/ 35' cement on top of plug
Granite Wash Perfs: 5,250-76' (54 – 0.42" DIA holes)

PBTD @ 5,305'

5-1/2", 15.5#, J-55, ST&C, Casing @ 5,350'

TD @ 5,350'

Lime Rock Resources
Michael BBS Federal Com 1
Sec 3-5S-26E Unit E
Chaves County, NM
Updated: 09 July 2010

BUREAU OF LAND MANAGEMENT

**Roswell Field Office
2909 West Second Street
Roswell, New Mexico 88201
(575) 627-0272**

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 **ninety (90) 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 the BLM Roswell Field Office, prior to the 90th day, with the reason for not meeting the deadline and a date when the BLM Roswell Field Office can expect the well to be plugged. Failure to do so will result in enforcement action.**

2. Notification: Contact the BLM Roswell Field Office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, during office hours call (575) 627-0205 or after office hours call (575) 420-2832. Engineer on call during office hours phone (575) 627-0275 or phone (after hours) call (575) 626-5749.

3. Blowout Preventers: 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 9090 feet; a 3M system for a well not deeper than 13636 feet; and a 5M system for a well not deeper than 22727 feet.

4. Mud Requirement: Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at a rate of 25 sacks (50 pounds each) of gel per 100 barrels of water. Minimum nine (9) pounds per gallon.

5. Cement Requirement: 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 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 cased hole, a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 50 feet 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 class "C" for up to 7500 feet of depth, mixed at 14.8 lbs./gal with 6.3 gallons of fresh water per sack or class "H" for deeper than 7500 feet plugs, mixed at 16.4 lbs./gal with 4.3 gallons of fresh water per sack.

6. Dry Hole Marker: 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 the ground and embedded in cement. The following information shall be permanently inscribed on the dry hole marker: Well name and number, the name of the operator, the lease serial number, the surveyed location (the quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer; such as metes and bounds).

7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and five copies of the Subsequent Report of Abandonment, Form 3160-5 to the BLM Roswell Field Office. 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.**

Following the submittal and approval of the Subsequent Report of Abandonment, a Notice of Intent for Final Abandonment with the proposed surface restoration procedure must be submitted for approval.