

**HOBBS OCD**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**APR 22 2013**  
**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.*

**RECEIVED**

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. MESCALERO RIDGE UNIT 211 ✓
2. Name of Operator LINN OPERATING INC		9. API Well No. 30-025-02391 ✓
3a. Address 600 TRAVIS ST., SUITE 5100 HOUSTON, TX 77002	3b. Phone No. (include area code) Ph: 281-840-4266	10. Field and Pool, or Exploratory QUAIL RIDGE, BONE SPRING
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 21 T19S R34E Mer NMP 660FNL 660FWL ✓		11. County or Parish, and State LEA COUNTY, NM

**12. CHECK 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 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 checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 recomplete 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 recompletion 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.)

LINN REQUESTS APPROVAL TO SQUEEZE BONE SPRING PERFORATIONS F/10118 T/10134 AND RECOMPLETE TO A LOWER BONE SPRING FORMATION F/10766 T/10794 W/2 SPF. COMPLETE DETAILS ATTACHED INCLUDING CURRENT WELLBORE SCHEMATIC.

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #200628 verified by the BLM Well Information System For LINN OPERATING INC, sent to the Hobbs</b>	
Name (Printed/Typed) <b>NANCY FITZWATER</b>	Title <b>SUPERVISOR</b>
Signature (Electronic Submission)	Date <b>03/05/2013</b>

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

Approved By _____	Title _____	<div style="border: 2px solid black; padding: 5px; text-align: center;"> <p><b>APPROVED</b></p> <p><b>APR 17 2013</b></p> <p><i>[Signature]</i></p> <p>BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE</p> </div>
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 <i>Ke</i>	

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.

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

**APR 22 2013**

# MRU #21-1

LEA COUNTY, NM

30-025-02391

02/20/2013

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**Project Scope:** Squeeze 2<sup>nd</sup> Bone Spring perms and recompleat deeper 3<sup>rd</sup> Bone Spring

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**Procedure:**

1. Test anchors prior to rigging up.
2. MIRU PU and record casing and tubing pressure.
3. Bleed pressure off of well.
4. NU BOP.
5. TOOH with pump, rods and tubing.
6. RU Cement Company.
7. RIH with cement retainer and workstring.
8. Set cement retainer. *set retainer @ 10,058' per matt lake*
9. Sting out of retainer. *150sx class H cement 4/16/13*
10. Circulate cement to bottom of tubing.
11. Sting into retainer and continue with cement squeeze.
12. Sting out of retainer.
13. Reverse circulate to clean tubing.
14. POOH with tubing.
15. RIH with workstring and bit and drill out to 10,150.
16. Pressure up and hold to ensure cement squeeze integrity.
17. If pass, drill out to 13,079'.
18. POOH with workstring and bit.
19. RIH with bit and scraper.
20. POOH with workstring and bit.
21. Run CBL on wireline over 9150' – 13079'.
22. Perforate on wireline 10,766' – 10,794' @ 2 spf.
23. RIH with L-80 2 7/8" workstring and packer.
24. ND BOP
25. NU Wellhead.
26. RDMO PU.
27. RU Tree saver.

**Contact Information:**

Matt Lake – Asset Engineer  
Cell – 713-263-4933  
Office – 281-840-4088

Bob Akin - Foreman  
Cell – 575-390-8007

28. RU Frac Company, frac equipment and flow back equipment.
29. Conduct mini-frac.
30. Acidize and frac single stage in 3<sup>rd</sup> Bone Spring.
31. RD frac company and frac equipment.
32. Flow back well or swab as needed to evaluate.
33. Contact engineer to discuss next steps.

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Matt Lake – Asset Engineer  
Cell – 713-263-4933  
Office – 281-840-4088

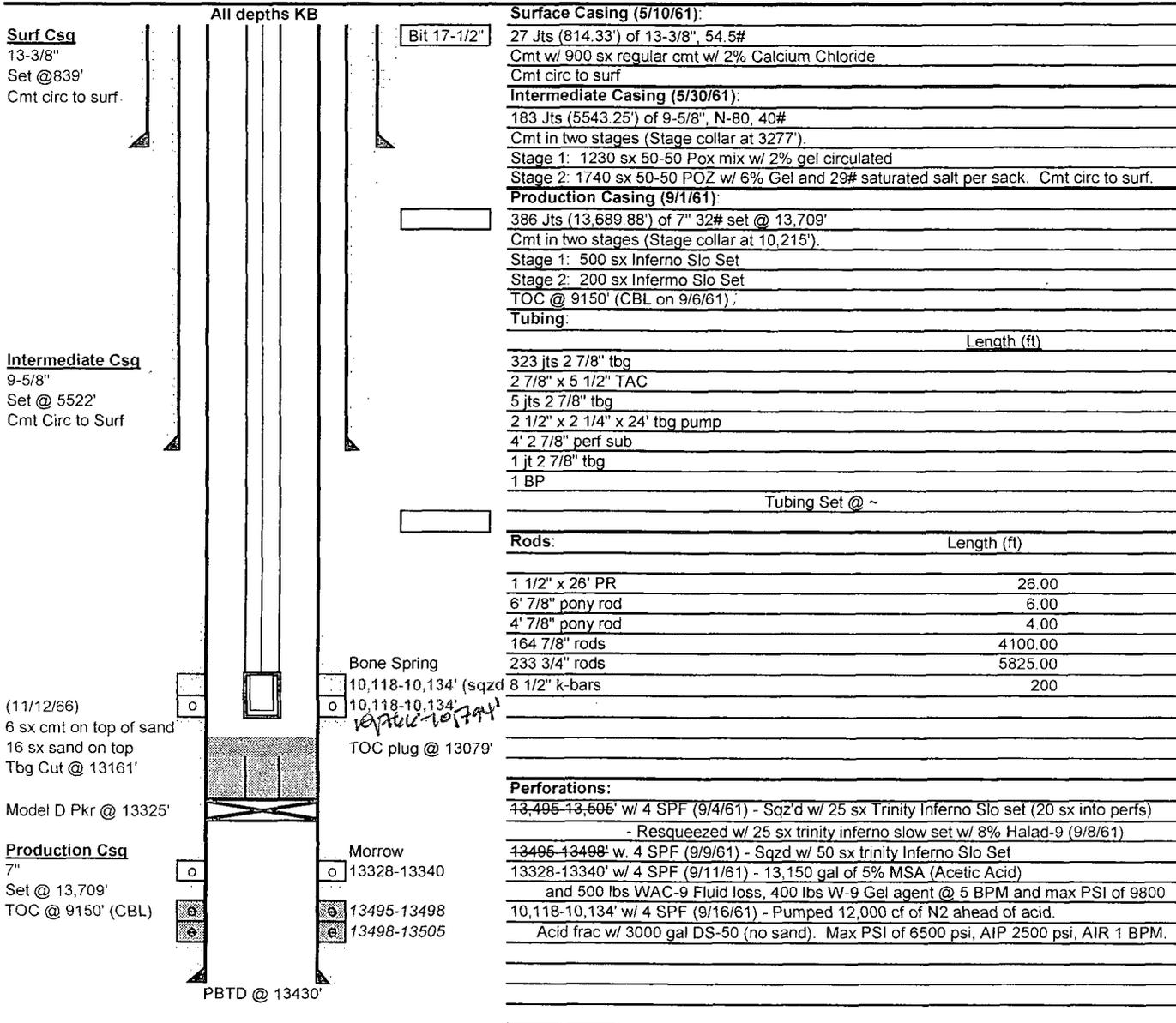
Bob Akin - Foreman  
Cell – 575-390-8007

current

**Proposed Wellbore Schematic**

Well Name: Mescalero Ridge Unit 211  
 Location: D-21-19S-34E 660 FNL 660 FWL  
 API #: 30-025-02391  
 Elevations: GROUND: \_\_\_\_\_  
 KB: \_\_\_\_\_  
 Depths (KB): PBDT: \_\_\_\_\_  
 TD: 13430

Date Prepared: M. Lake  
 Last Updated: 20-Feb-13  
 Spud Date: 9-May-61  
 RR Date: \_\_\_\_\_  
 Spud Date to RR Date: \_\_\_\_\_  
 Completion Start Date: \_\_\_\_\_  
 Completion End Date: \_\_\_\_\_  
 Completion Total Days: \_\_\_\_\_  
 Co-ordinates: \_\_\_\_\_



**Mescalero Ridge Unit 21-1  
30-025-02391  
LINN Operating Inc  
April 17, 2013  
Conditions of Approval**

**Notify BLM at 575-361-2822 a minimum of 24 hours prior to commencing work.**

**Work to be completed by July 17, 2013.**

- 1. The operator shall dump bail 35' of neat class H cement on top of the cement/sand above the CIBP. Tag required.**
- 2. Operator shall place a balanced cement plug from 12860'-12630' to seal off the Morrow formation.**
- 3. Operator shall place a balanced cement plug from 10925'-10715' to seal off the Wolfcamp formation.**
- 4. For squeeze- pressure test must be 500 psi for 30 minutes.**
- 5. A CIT is to be performed on the production casing per Onshore Oil and Gas Order 2.III.B.1.h and results submitted to the BLM.**
6. Before casing or a liner is added or replaced, prior BLM approval of the design is required. Use notice of intent Form 3160-5.
7. Surface disturbance beyond the originally approved pad must have prior approval.
8. Closed loop system required.
9. All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of work over operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.
10. Operator to have H2S monitoring equipment on location.

11. A minimum of a 5000 (5M) BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (5M Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.

**12. Subsequent sundry required detailing work done and completion report for the new formation. Operator to include well bore schematic of current well condition when work is complete.**

**JAM 041713**