

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
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.*

*Occ Artesia*

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

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <b>INJECTION</b> ✓		5. Lease Serial No. NMLC029435B
2. Name of Operator LINN OPERATING INC Contact: NANCY S FITZWATER E-Mail: nfitzwat@linnenergy.com		6. If Indian, Allottee or Tribe Name
3a. Address 600 TRAVIS, SUITE 5100 HOUSTON, TX 77002	3b. Phone No. (include area code) Ph: 281-840-4266 Fx: 281-840-4003	7. If Unit or CA/Agreement, Name and/or No
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) u-l-o Sec 6 T17S R31E Mer NMP SWSE 430FSL 2250FEL ✓ 32.857440 N Lat, 103.906920 W Lon		8. Well Name and No J L KEEL B 030 ✓
		9. API Well No 30-015-21460 ✓
		10. Field and Pool, or Exploratory GRAYBURG JACKSON;SR-Q-G-S
		11. County or Parish, and State EDDY 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 checked="" type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input 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 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 shall 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 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.)

**PROPOSED INTENT SUMMARY:**

MIRU  
BLEED PRESSURE OFF OF WELL  
NDWH  
NU BOP  
PU WORK STRING AND TAG TOP OF CEMENT PLUG AT 2735'  
ESTABLISH CIRCULATION WITH WORK STRING AND BRINE FLUID  
TOOH WITH WORKSTRING  
PU AND TIH W/ 4", 11#, L-80 FLUSH JOINT CASING  
LIGHTLY TAG TOC AT 2735' AND PULLED UP 5' TO SET END OF CASING AT 2730'  
ESTABLISH CIRCULATION WITH BRINE FLUID

Accepted for record  
NMOCB RE  
8/8/11  
SEE ATTACHED FOR  
CONDITIONS OF APPROVAL  
**RECEIVED**  
AUG 4 2011  
NMOCB ARTESIA

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #110867 verified by the BLM Well Information System For LINN OPERATING INC, sent to the Carlsbad</b>	
Name (Printed/Typed) NANCY S FITZWATER	Title REGULATORY COMPLIANCE ADVISOR
Signature (Electronic Submission)	Date 06/17/2011

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

Approved By <i>Lee M Morgan</i>	Title <i>Petroleum Eng</i>	Date <i>25 July 2011</i>
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 <b>BUREAU OF LAND MANAGEMENT</b>		

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 \*\***

## Additional data for EC transaction #110867 that would not fit on the form

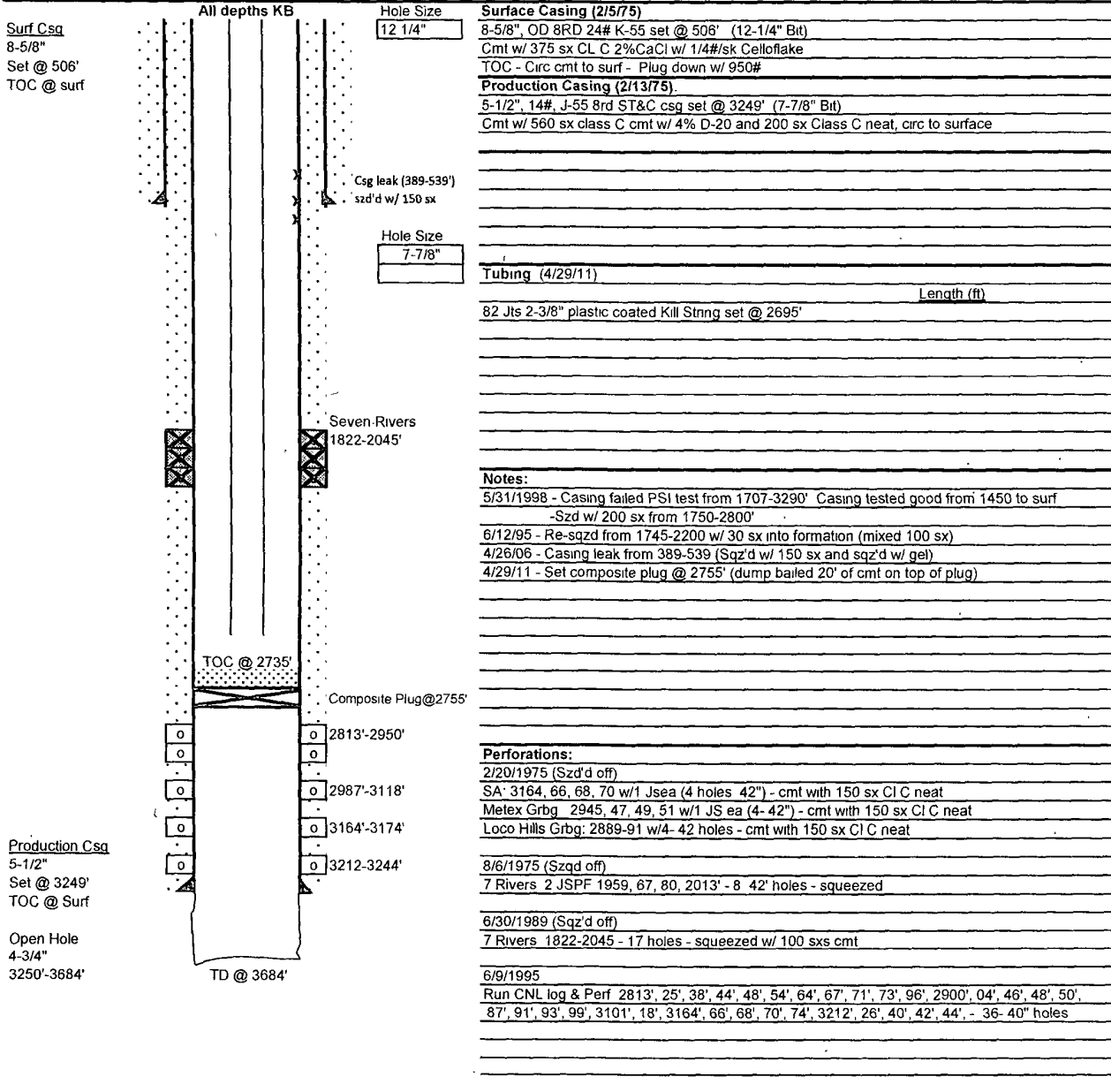
### 32. Additional remarks, continued

PUMP CEMENT AND CIRC TO SURF  
PUMP WIPER PLUG AND THEN SHUT BH VALVE  
ND BOP  
SET SLIPS FOR 4" CASING  
INSTALL BOWL FOR 2-3/8" INJECTION TUBING  
NU BOP  
WOC  
RUN CBL - ?  
PU BIT AND WORK-STRING AND DRILL OUT CEMENT AND COMPOSITE PLUG  
BLEED WELL DOWN  
LD BIT AND WORKSTRING  
PU 2-3/8" INJECTION STRING AND PACKER AND TIH TO 2726'  
ND BOP  
CIRC PACKER FLUID  
SET PACKER AND SLIPS  
NU WH  
RDMO

# Current Wellbore Schematic

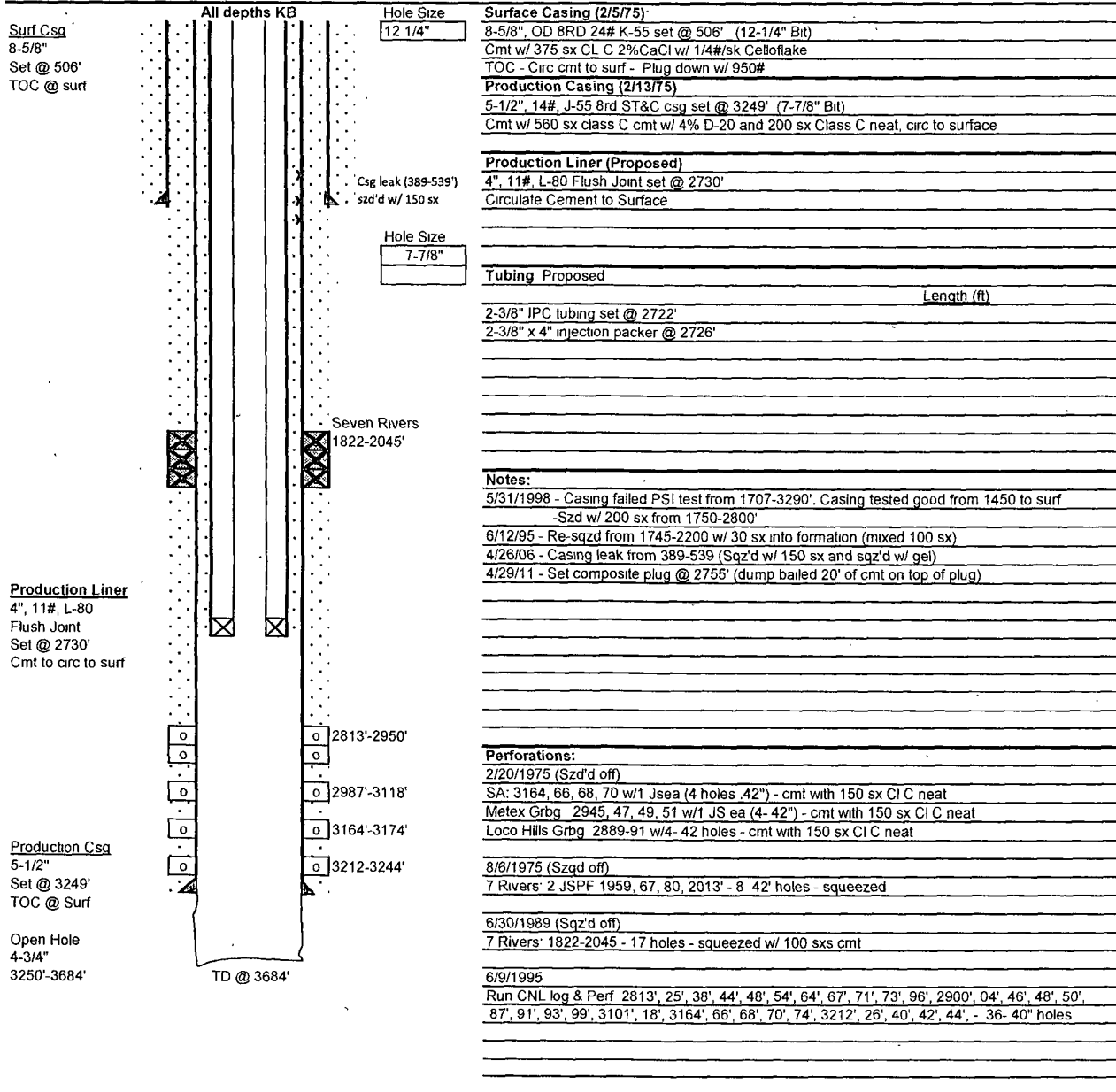
Well Name JL JEEL B 30  
 Location O-06-17S-31E 430 FSL 2250 FEL  
 EDDY COUNTY, NM  
 API # 30-015-21460  
 Elevations GROUND  
 KB  
 Depths (KB) PBDT.  
 TD. 3684'

Date Prepared 4/25/11 (K MURPHY)  
 Last Updated 5-5-11 (D Gonzales)  
 Spud Date 4-Feb-75  
 RR Date  
 Spud Date to RR Date  
 Completion Start Date  
 Completion End Date  
 Completion Total Days  
 Co-ordinates



# Proposed Wellbore Schematic

Well Name.	JL JEEL B 30	Date Prepared	4/25/11 (K MURPHY)
Location	O-06-17S-31E 430 FSL 2250 FEL	Last Updated	6-14-11 (D Gonzales)
API #	EDDY COUNTY, NM 30-015-21460	Spud Date	4-Feb-75
Elevations	GROUND	RR Date.	
Depths (KB)	KB	Spud Date to RR Date	
	PBTD.	Completion Start Date.	
	TD	Completion End Date.	
	3684'	Completion Total Days.	
		Co-ordinates	



## Send Email

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From: tmmorgan@blm.gov

To: nfitzwater@linenergy.com

CC: tmmorgan@blm.gov

Subject: Well J L KEEL B.30

The sundry for Casing Repair you submitted has been approved by the BLM. Your original EC transmission was assigned ID 110867. Please be sure to open and save all attachments to this message, since they contain important information.

Conditions of Approval:

- a) Closed Loop System to be used.
- b) Sufficient frac tank capacity is to be on hand for handling all possible water bleed down flow volumes.
- c) Pressure testing of casing shall comply with Onshore Order 2.III.B.1.h.
- d) In the event that an Annuli Survey is done, the measured pressures (if any) and the observed effluents (if any) of each annulus, should be reported to the BLM, along with the amounts of any H<sub>2</sub>S or CO<sub>2</sub> also reported.
- e) Centralizers to be used on the 4" casing to ensure good cement.

Attachments: EC110867.pdf

Approved By:

TED MORGAN

PETROLEUM ENGINEER

Status: Queued to Send  
2011-07-25 15:33:20

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25-Jul-2011 15:33

**J L Keel B #30**  
**Linn Operating Company**  
**30-015-21460**  
**July 22, 2011**  
**Conditions of Approval**

**Summary of Current Status:**

- Vertical Well, 8-5/8" casing at 506' and 5-1/2" casing at 3249'. Open Hole to 3684'
- TD 3684', PBTD 2735', Perforations 2813' – 3244' Selective Squeezed 1822' – 2045' Squeezed, casing leak 389' – 539' Squeezed.
- Cement Retainer and Cement at 2735'

**Requests:**

Sundry dated 6/17/2011 requesting approval to:

1. Run and cement 4" 11# L80 casing to 2730'.
2. Run bit and work-string through 4" casing, drill out 5-1/2" composite plug with cement.
3. Return well to injection status.

**Conditions of Approval:**

- a) Closed Loop System to be used.
- b) Sufficient frac tank capacity is to be on hand for handling all possible water bleed down flow volumes.
- c) Pressure testing of casing shall comply with Onshore Order 2.III.B.1.h.
- d) In the event that an Annuli Survey is done, the measured pressures (if any) and the observed effluents (if any) of each annulus, should be reported to the BLM, along with the amounts of any H<sub>2</sub>S or CO<sub>2</sub> also reported.
- e) Centralizers to be used on the 4" casing to ensure good cement.

TMM 07/22/2011