

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTNM OIL CONSERVATION  
ARTESIA DISTRICTFORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

SEP 23 2016

## 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.

5. Lease Serial No.  
NMLC029435B

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
JL KEEL "B" 79. API Well No.  
30-015-0510810. Field and Pool, or Exploratory  
GRAYBURG-JACKSON11. County or Parish, and State  
EDDY COUNTY, NM

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other: INJECTION2. Name of Operator  
LINN OPERATING INC.Contact: DEBI GORDON  
E-Mail: DGORDON@LINNENERGY.COM3a. Address  
600 TRAVIS ST. SUITE 5100  
HOUSTON, TX 770023b. Phone No. (include area code)  
Ph: 281-840-4010  
Fx: 832-209-4340

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

Sec 8 T17S R31E Mer 6PM  
32.854457 N Lat, 103.894195 W Lon

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 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 checked="" type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Final Abandonment No
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	tice

8-8-16

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.)

Linn is respectfully submitting a final plug and abandonment report for the J.L. Keel B #7 injection well in Eddy County, NM.

Please see the attached final plug and abandonment report.

Accepted as to plugging of the well bore.  
Liability under bond is retained until  
Surface restoration is completed.

*Reclamation Due 2-8-17*

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #348384 verified by the BLM Well Information System For LINN OPERATING INC., sent to the Carlsbad Committed to AFMSS for processing by DEBORAH MCKINNEY on 08/30/2016 ( )	
Name (Printed/Typed) DEBI GORDON	Title REGULATORY MANAGER
Signature (Electronic Submission)	Date 08/18/2016

*Accepted for record  
NMOCD  
A. L. B.**Accepted for Record* THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <i>James R. Jones</i>	Title <i>SPEET</i>	Date <i>9-9-16</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 <i>MO</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 \*\*

**J L Keel B #7 – Eddy County, NM**  
**Final Plug and Abandonment Report**

- 7/20/2016 - MIRU
- 7/21/2016 - Blow down well.
- 7/22/2016 - Pump 15.5# mud. SI over weekend.
- 7/25/2016 - Well had 1000# on tbg. Flow back overnight.
- 7/26/2016 - Well flowing back less than 1/4 bpm. POOH tbg and pkr. Set CIBP at 2871'. Tag CIBP. Spot 25 sks cmt on top of CIBP.
- 7/27/2016 - Tag TOC at 2647'. Spot 25 sks cmt 1467'-1267'. Perf at 650'. Sqz 45 sks cmt and displace to 500'. No tag. Re-squeeze 45 sks cmt and displace to 500'.
- 7/28/2016 - No tag on cmt squeeze. Resqueeze 45 sks cmt at 650'-500'. No tag. Sqz 15 sks cmt and displace to 450'. No tag. Sqz 15 sks cmt and displace to 450'.
- 7/29/2016 - No tag on cmt squeeze. Sqz 30 sks cmt with LCM, displaced to 450'. No tag. Sqz 30 sks cmt with LCM, displaced to 450'.
- 8/1/2016 - No tag on cmt squeeze. Sqz 15 sks cmt w 2% CaCl and LCM, displaced to 450'. Tag at 440'. Perf at 200'. Sqz 15 sks cmt w 3% CaCl and LCM, displaced to 150'.
- 8/2/2016 - No tag on cmt squeeze. Contacted BLM. RIH to 254'. Spot 25 sks cmt w 3% CaCl and LCM, displaced to 100'. Tag cmt at 175'. Pressure test csg to 500# - no loss.
- 8/4/2016 - Moved in welder and backhoe. Dug out cellar. Cut off well head and welded on Ground Level Dry Hole Marker. Removed deadmen and moved off.
- 8/8/2016 - Moved in cementer. 1" backside of 7" casing and circulated 30 sx cement. Verified cement at surface. Backfilled cellar and cleaned location and moved off.

**FINAL PLUG AND ABANDONMENT OPERATIONS COMPLETED 08/08/2016**



## NM Schematic

Well Name: KEEL J L B 7 INJ

AP/VU/W	Field Name	County	State/Province	Section	Township	Range	Survey	Block
3001505108	PENM-08-GRAYBURG WEST GEN	Eddy	NM	8	017-S	031-E		
Ground Elevation (ft)	Orig KB Elev (ft)	KB-Gfd (ft)	Initial Spud Date	Rig Release Date	TD Date	Latitude (°)	Longitude (°)	Operated?
3,785.00	3,785.00	0.00	5/25/1951			32° 51' 15.938" N	103° 53' 38.522" W	Yes

Original Hole, 8/10/2016 5:27:02 PM

## Original Hole Data

Wellbores						
North-South Distance (ft)		NS Flag		East-West Distance (ft)		EW Flag
660.0		FNL		1,980.0		FWL
Casing Strings						
Csg Des	Set Dept.	OD Nom.	ID Nom.	WVLn (ft)	String Grade	Run Date
Surface	600.0	10-3/4	10.192	32.75	H-40	5/25/1951
Csg Des	Set Dept.	OD Nom.	ID Nom.	WVLn (ft)	String Grade	Run Date
Intermediate	2,916.0	7	6.276	26.00		5/26/1951
Csg Des	Set Dept.	OD Nom.	ID Nom.	WVLn (ft)	String Grade	Run Date
Production	3,381.0	4 1/2	4.09	9.50	J-55	6/1/1964
Cement Stages						
Description	Top (ftKB)	Btm (ftKB)	Eval Method	Comment		
Cement Plug	2,647.0	2,871.0		Cap CIBP with 25 sks cmt. Tagged TOC.		
Description	Top (ftKB)	Btm (ftKB)	Eval Method	Comment		
Cement Plug	1,267.0	1,467.0		Spot 25 sks cmt 1467'-1267'		
Description	Top (ftKB)	Btm (ftKB)	Eval Method	Comment		
Cement Plug	440.0	650.0		Perf & Sqz cmt 650-440. Tagged TOC.		
Description	Top (ftKB)	Btm (ftKB)	Eval Method	Comment		
Cement Plug	0.0	200.0		Perf & Sqz cmt 200-surface.		
Description	Top (ftKB)	Btm (ftKB)	Eval Method	Comment		
Surface Casing Cement	0.0	600.0		100 SXS CMT		
Description	Top (ftKB)	Btm (ftKB)	Eval Method	Comment		
Intermediate Casing Cement	980.0	2,916.0		200 SXS CMT. TOC 980' (CBL)		
Description	Top (ftKB)	Btm (ftKB)	Eval Method	Comment		
Production Casing Cement	2,833.0	3,381.0		CMT W/125 SXS ENCORE & 125 GALS LAYTEX		
Tubing Strings						
Tubing Description			Set Depth	Run Date	Pull Date	
Tubing			2,763.0	5/10/2011	6/1/2016	
Perforations						
Top (ftKB)	Btm (ftKB)	Comment				
200.0	200.0					
Top (ftKB)	Btm (ftKB)	Comment				
650.0	650.0					
Top (ftKB)	Btm (ftKB)	Comment				
2,912.0	3,377.0					
Top (ftKB)	Btm (ftKB)	Comment				
2,990.0	3,258.0					
Other In Hole						
Des	Top (ftKB)	Btm (ftKB)	Run Date	Com		
Bridge Plug - Permanent	2,871.0	2,876.0				
Formations						
Formation	Final Top	Final Btm	Comment			
SALT	575.0	1,408.0				
Formation	Final Top	Final Btm	Comment			
TANSILL	1,410.0					
Formation	Final Top	Final Btm	Comment			
YATES	1,600.0					
Formation	Final Top	Final Btm	Comment			
SEVEN RIVERS	1,648.0					
Formation	Final Top	Final Btm	Comment			
QUEEN	2,485.0					
Formation	Final Top	Final Btm	Comment			
GRAYBURG	2,909.0					

