Form 3160-5 (August 2007) DE BI	UNITED STATES PARTMENT OF THE D JREAU OF LAND MANA	A OIL CONS ARTESIA D	SERVATIO	N FORM A OMB NO Expires: J	FORM APPROVED OMB NO. 1004-0135 Expires: July 31, 2010				
SUNDRY Do not use thi	NMLC029435B								
abandoned wel	6. If Indian, Allottee or Tribe Name								
SUBMIT IN TRI	PLICATE - Other instruc	tions on rev	erse side.		7. If Unit or CA/Agreen	ment, Name and/or No.			
1. Type of Well . Ø Oil Well Gas Well Oth	er	····			8. Well Name and No. J L KEEL B 37				
2. Name of Operator LINN OPERATING INCORPO	Contact: RATED E-Mail: Imoreno@I	LAURA A MC innenergy.com	DRENO		<ol> <li>API Well No.</li> <li>30-015-25934-00</li> </ol>	D-S1			
3a. Address 600 TRAVIS STREET SUITE HOUSTON, TX 77002	5100	3b. Phone No Ph: 713-90 Fx: 832-209		le)	10. Field and Pool, or E GRAYBURG	Exploratory			
4. Location of Well (Footage, Sec., T	, R., M., or Survey Description	)		· · ·	11. County or Parish, a	ish, and State			
Sec 5 T17S R31E SWNW 178	80FNL 660FWL		EDDY COUNTY, NM						
12. CHECK APPI	OPRIATE BOX(ES) TO	) INDICATE	NATURE OF	NOTICE, R	LEPORT, OR OTHEF	R DATA			
TYPE OF SUBMISSION			TYPE	OF ACTION	,				
S Notice of Intent	□ Acidize	Dee	pen	Product	tion (Start/Resume)	UWater Shut-Off			
_ ,	Alter Casing	🗖 Frac	ture Treat	🗖 Reclam	ation	Well Integrity			
Subsequent Report	Casing Repair	□ New Construction □ R			ecomplete 🖸 Other				
Final Abandonment Notice	Change Plans Convert to Injection	🛛 Plug 💭 Plug	g and Abandon g Back	□ Tempo □ Water I	rarily Abandon Disposal				
13. Describe Proposed or Completed Op If the proposal is to deepen direction: Attach the Bond under which the wo following completion of the involved testing has been completed. Final Al determined that the site is ready for f	ally or recomplete horizontally, k will be performed or provide operations. If the operation re bandonment Notices shall be fil	give subsurface the Bond No. or sults in a multip	locations and mean file with BLM/B le completion or re-	sured and true v BIA. Required su ecompletion in a	ertical depths of all pertin bsequent reports shall be new interval, a Form 316	ent markers and zones. filed within 30 days 0-4 shall be filed once			
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PROPOSED PA PROCEDURE 2900 2558 SEE ATTACHED FOR 1. SET 5 1/2 CIBP @ 2880T CIRC HOLE W/MLF, CAP W/56 CMT 2. SPOT 25 SX CMT @ 1500-1400 ISS 6 - 1400 199 3. PERF & SOZ 50 SX CMT @ 200-SUBSACE STAG STO-300' CONDITIONS OF APPROVAL									
*SEE ATTACHED CURRENT	& PROPOSED WBD'S		,	RECLAMATION PROCEDURE					
Below ground level		rker rea	ruired.		ccepted For	Record			
14. I hereby certify that the foregoing is	true and correct. Electronic Submission # For LINN OPERA ted to AFMSS for process	TING INCORP	ORATED, sent	/ell Information to the Carlsba	n SystemNMOCI	-			
Name (Printed/Typed) LAURA A	• •			JLATORY AD	. ,				
Signature (Electronic S	ubmission)		Date 06/22	/2016					
	THIS SPACE FO			E OFFICE U	SE				
_Approved By_ [1] Wells			Title E	<u>ng</u>		Date 7/7/16			
Conditions of approval, if any, are attached certify that the applicant holds legal or equivalent would entitle the applicant to condu-	itable title to those rights in the		Office U	jo					
Title 18 U.S.C. Section 1001 and Title 43 States any false, fictitious or fraudulent s					ake to any department or a	agency of the United			
** B! M BEVI	SED ** BLM REVISE	) ** BI M PF	VISED ** BI		) ** BI M REVISED	) **			

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APAUWIZ A State Figure Second Townand Range Townand Range Second Townand Range Second Se												
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Well Name: KEEL J L B 37 INJ														
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## **BUREAU OF LAND MANAGEMENT** Carlsbad Field Office 620 East Greene Street Carlsbad, New Mexico 88220 575-234-5972

NM OIL CONSERVATION ARTESIA DISTRICT JUL 19 2016

RECEIVED

## Permanent Abandonment of Federal Wells **Conditions of Approval (LPC Habitat)**

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 90<sup>th</sup> day provide this office, prior to the 90<sup>th</sup> 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.

The rig used for the plugging procedure cannot be released and moved off without the prior approval of the authorized officer. Failure to do so may result in enforcement action.

2. Notification: 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. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. 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. Mud Requirement: 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 brine 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 are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), 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. Before pumping or bailing cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.

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>Below Ground Level Cap (Lesser Prairie-Chicken Habitat)</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 BLM is to be notified a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses.** Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10<sup>th</sup> day, the BLM is to be contacted with justification to receive an extension for completing the cut off. Upon the plugging and subsequent abandonment of wells that are located in lesser prairie-chicken habitat, the casings 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 covered with a metal plate at least ¼ inch thick and welded in place. A weep hole shall be left in the plate and/or casing.

NMOCD also requires the operator to notify NMOCD when this type of dry hole marker is used. This can be done on the subsequent report of abandonment which is submitted to the BLM after the well is plugged. State that a below ground cap was installed as required in the COA's from the BLM.

7. <u>Subsequent Plugging Reporting</u>: Within 30 days after plugging work is completed, file one original and three 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 will be required. See attached reclamation objectives.

Timing Limitation Stipulation/ Condition of Approval for Lesser Prairie-Chicken: From March 1<sup>st</sup> through June 15<sup>th</sup> annually, abandonment activities will be allowed except between the hours from 3:00 am and 9:00 am. Normal vehicle use on existing roads will not be restricted



## **United States Department of the Interior**

BUREAU OF LAND MANAGEMENT Carlsbad Field Office 620 E. Greene St. Carlsbad, New Mexico 88220-6292 www.blm.gov/nm



In Reply Refer To: 1310-

## **Reclamation Objectives and Procedures**

**Reclamation Objective:** Oil and gas development is one of many uses of the public lands and resources. While development may have a short- or long-term effect on the land, successful reclamation can ensure the effect is not permanent. During the life of the development, all disturbed areas not needed for active support of production operations should undergo "interim" reclamation in order to minimize the environmental impacts of development on other resources and uses. At final abandonment, well locations, production facilities, and access roads must undergo "final" reclamation so that the character and productivity of the land and water are restored.

The long-term objective of final reclamation is to set the course for eventual ecosystem restoration, including the restoration of the natural vegetation community, hydrology, and wildlife habitats. In most cases this means returning the land to a condition approximating or equal to that which existed prior to the disturbance. The final goal of reclamation is to restore the character of the land and water to its predisturbance condition. The operator is generally not responsible for achieving full ecological restoration of the site. Instead, the operator must achieve the short-term stability, visual, hydrological, and productivity objectives of the surface management agency and take steps necessary to ensure that long-term objectives will be reached through natural processes.

To achieve these objectives, remove any and all contaminants, scrap/trash, equipment, pipelines and powerlines. Strip and remove caliche, contour the location to blend with the surrounding landscape, redistribute the native soils, provide erosion control as needed, rip and seed as specified in the original APD - COA. This will apply to well pads, facilities, and access roads. Barricade access road at the starting point. If reserve pits have not reclaimed due to salts or other contaminants, submit a plan for approval, as to how you propose to provide adequate restoration of the pit area.

- The Application for Permit to Drill or Reenter (APD, Form 3160-3), Surface Use Plan of Operations must include adequate measures for stabilization and reclamation of disturbed lands. Oil and Gas operators must plan for reclamation, both interim and final, up front in the APD process as per Onshore Oil and Gas Order No. 1.
- 2. For wells and/or access roads not having an approved plan, or an inadequate plan for surface reclamation (either interim or final reclamation), the operator must submit a proposal describing the procedures for reclamation. For interim reclamation, the appropriate time for submittal would be when filing the Well Completion or Recompletion Report and Log (Form 3160-4). For final reclamation, the appropriate time for submittal would be when filing the appropriate time for submittal would be when filing the Well Completion or Recompletion Report and Log (Form 3160-4). For final reclamation, the appropriate time for submittal would be when filing the Notice of Intent, or the Subsequent Report of Abandonment, Sundry Notices and Reports on Wells (Form 3160-5). Interim reclamation is to be completed within 6 months of well completion, and final reclamation is to be completed within 6 months.
- 3. The operator must file a Subsequent Report Plug and Abandonment (Form 3160-5) following the plugging of a well.

- 4. Previous instruction had you waiting for a BLM specialist to inspect the location and provide you with reclamation requirements. If you have an approved Surface Use Plan of Operation and/or an approved Sundry Notice, you are free to proceed with reclamation as per approved APD. If you have issues or concerns, contact a BLM specialist to assist you. It would be in your interest to have a BLM specialist look at the location and access road prior to the removal of reclamation equipment to ensure that it meets BLM objectives. Upon conclusion submit a Form 3160-5, Subsequent Report of Reclamation. This will prompt a specialist to inspect the location to verify work was completed as per approved plans.
- 5. The approved Subsequent Report of Reclamation will be your notice that the native soils, contour and seedbed have been reestablished. If the BLM objectives have not been met the operator will be notified and corrective actions may be required.
- 6. It is the responsibility of the operator to monitor these locations and/or access roads until such time as the operator feels that the BLM objective has been met. If after two growing seasons the location and/or access roads are not showing the potential for successful revegetation, additional actions may be needed. When you feel the BLM objectives have been met submit a Final Abandonment Notice (FAN), Form 3160-5, stating that all reclamation requirements have been achieved and the location and/or access road is ready for a final abandonment inspection.
- 7. At this time the BLM specialist will inspect the location and/or access road. If the native soils and contour have been restored, and the revegetation is successful, the FAN will be approved, releasing the operator of any further liability of the location and/or access road. If the location and/or access road have not achieved the objective, you will be notified as to additional work needed or additional time being needed to achieve the objective.

If there are any questions, please feel free to contact any of the following specialists:

Jim Amos Supervisory Petroleum Engineering Tech 575-234-5909, 575-361-2648 (Cell)

Arthur Arias Environmental Protection Specialist 575-234-6230

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Linda Denniston Environmental Protection Specialist 575-234-5974

Henryetta Price Environmental Protection Specialist 575-234-5951

Dara Glass Environmental Protection Specialist 575-234-5924

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