

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.*

**BLM CONSERVATION**  
ARTESIA DISTRICT  
OCT 11 2016  
RECEIVED

5. Lease Serial No.  
NMLC029426B

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
H E WEST B 26

9. API Well No.  
30-015-05060-00-S1

10. Field and Pool, or Exploratory  
GRAYBURG

11. County or Parish, and State  
EDDY COUNTY, NM

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

1. Type of Well  
 Oil Well  Gas Well  Other: INJECTION

2. Name of Operator  
LINN OPERATING INCORPORATED E-Mail: DGORDON@LINNENERGY.COM  
Contact: DEBRA GORDON

3a. Address  
600 TRAVIS STREET SUITE 5100  
HOUSTON, TX 77002

3b. 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 3 T17S R31E NESE 1980FSL 660FEL

**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 type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" 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	

9-8-16

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 recomplate 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 IS RESPECTFULLY SUBMITTING A SUBSEQUENT PLUG AND ABANDONMENT SUNDRY FOR THE H.E. WEST B #26 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 3-8-17

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #351972 verified by the BLM Well Information System  
For LINN OPERATING INCORPORATED, sent to the Carlsbad  
Committed to AFMSS for processing by PRISCILLA PEREZ on 09/29/2016 (16PP1611SE)

Name (Printed/Typed) DEBRA GORDON Title REGULATORY MANAGER

Signature (Electronic Submission) Date 09/21/2016

Accepted for Record THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By *James A. Curren* Title SAET Date 10-1-16

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 CFD

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.

FINAL PLUG & ABANDONMENT REPORT FOR THE HE WEST B #26 WELL IN EDDY COUNTY, NM

7/25/16 MIRU  
7/26/16 Bleed well down. POOH tubing and packer. Set CIBP at 3350'. Tag CIBP at 3350'. Spot 25 sks cmt on top of CIBP. RIH with gauge ring to 3341'.  
7/27/16 RIH open ended to 3350'. Spot 25 sks cmt. Tag TOC at 3298'. Perf at 1820'. Squeeze 30 sks cmt.  
7/28/16 Tag TOC at 1689'. Perf at 900'. Squeeze 40 sks cmt. Tag TOC at 760'. Perf at 200'. Squeeze 70 sks cmt to surface.  
8/04/16 Discovered surface plug leaking. MIRU.  
8/08/16 Drill to 180'. Circulate well with 50 bbls and circulate clean.  
8/09/16 Drill and clean out to 210'. Fell through. Continue in hole with bit to 287'. RIH with pkr to 260'. Test plug at 760' to 1800 psi for 15 min. Held good. TOOH with pkr to 60'. Unable to establish rate up to 1800 psi.  
8/10/16 Perf at 200'. Establish rate at 1 bpm at 1000 psi. Squeeze 100 sks cmt.  
8/11/16 Pressure test plug to 1000 psi for 15 min - held. Tag TOC at 190'. Fill hole with 15 sks cmt to surface.  
8/22/16 Discovered surface plug leaking. MIRU. Drilled from surface to 30'.  
8/23/16 Drilled to 120'. Circulate well clean.  
8/24/16 Drilled to 255' and fell out of cmt. RIH tbg and tag at 644'. RIH with pkr and pressure test from 300' to 644' at 700 psi for 30 min - lost 150#. Ran MIT chart from 300' to surface at 490# - lost 265# in 30 min. Spot 25 sks cmt at 635'.  
8/25/16 Tag TOC at 150'. Test to 300# - lost 60# in 30 min. Pump cmt to surface.  
8/26/16 Verify cmt to surface with BLM (Yolanda Jordan). RDMO.  
9/08/16 Dig up wellhead. Cut off wellhead. Install below ground level dry hole marker as required in the COA's from the BLM. Cover hole up. Dig up anchors and cut off. Clean location.

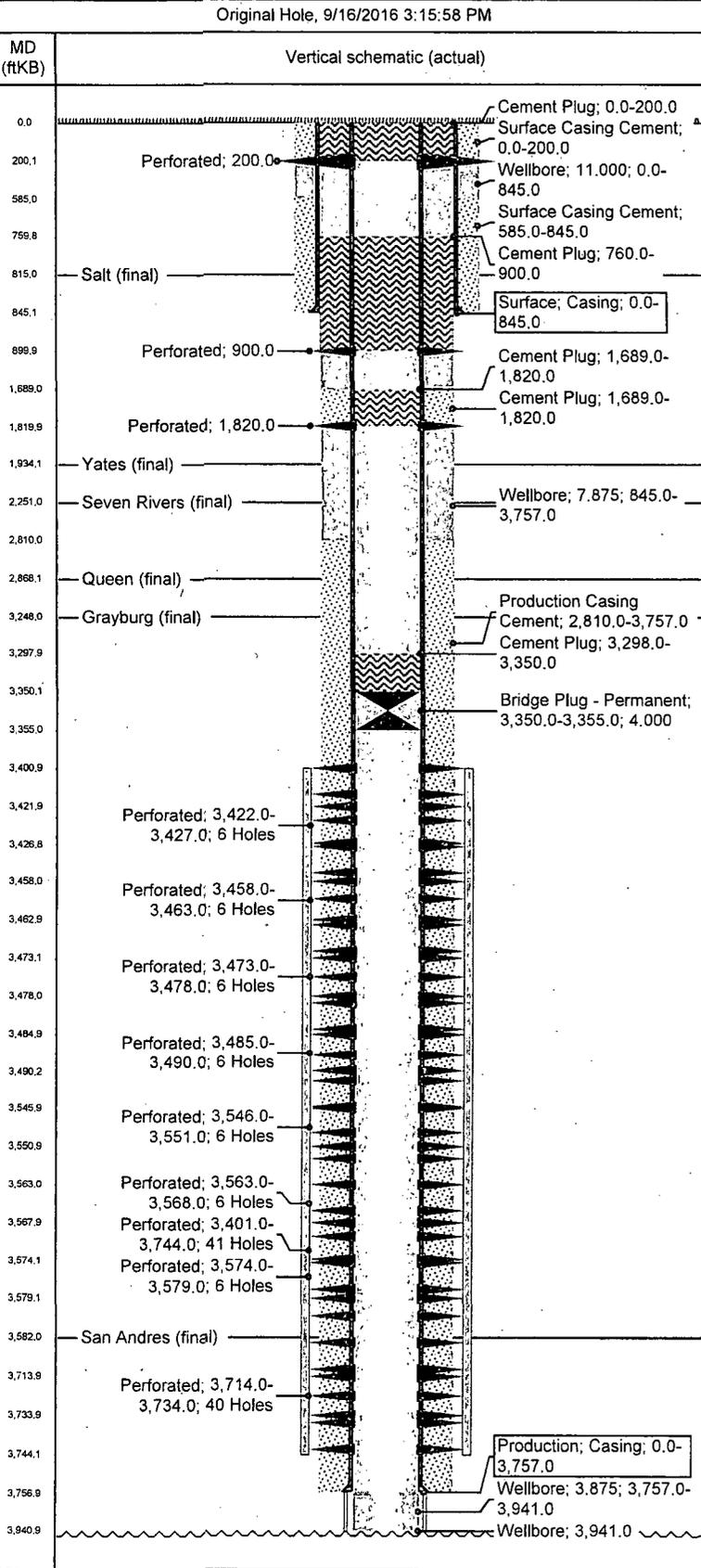
Final Plug and Abandonment operations completed on 09/08/2016



# NM Schematic

Well Name: WEST H E B 26 INJ

API/Well No. 3001505060	Field Name PBNM - PB-GRAYBURGWEST	County Eddy	State/Province NM	Section 3	Township 017S	Range 031E	Survey	Block
Ground Elevation (ft) 3,968.00	Orig KB Elev (ft) 3,968.00	KB-Grd (ft) 0.00	Initial Spud Date 1/12/1961	Rig Release Date	TD Date	Latitude (°) 32°51'42.508"N	Longitude (°) 103°51'39.912"W	Operated? Yes



## Original Hole Data

<b>Wellbores</b>	
North-South Distance (ft) 1,980.0	NS Flag FSL
East-West Distance (ft) 660.0	EW Flag FEL

<b>Casing Strings</b>							
Csg Des	Set Dept.	OD Nom.	ID Nom.	WVLen (L)	String Grade	Run Date	
Surface	845.0	8 5/8	8.097	24.00	J-55	1/17/1961	
Production	3,757.0	4 1/2	4	11.50	J-55	2/23/1961	

<b>Cement Stages</b>				
Description	Top (ftKB)	Btm (ftKB)	Eval Method	Comment
Cement Plug	3,298.0	3,350.0		Set CIBP at 3350'. Cap with 50 sks cmt. TOC tagged at 3298'.
Cement Plug	1,689.0	1,820.0		Perf & Sqz 30 sks cmt 1820-1689 (TOC tagged).
Cement Plug	760.0	900.0		Perf & Sqz 40 sks cmt 900-760 (TOC tagged).
Cement Plug	0.0	200.0		Perf & Sqz cmt 200-surface.
Surface Casing Cement	585.0	845.0		Cemented w/ 100 sxs. TOC calculated - assume 1.32 cu-ft per sack and 50% fillup.
Surface Casing Cement	0.0	200.0		Perf & Sqz cmt 200-surface.
Production Casing Cement	2,810.0	3,757.0		Cemented w/ 100 sxs. TOC at 2810 (Temp Svy)
Production Casing Cement	1,689.0	1,820.0		Perf & Sqz 30 sks cmt 1820-1689 (TOC tagged).

<b>Tubing Strings</b>			
Tubing Description	Set Depth...	Run Date	Pull Date
Tubing - Production	3,287.0	5/26/2011	6/1/2016

<b>Perforations</b>		
Top (ftKB)	Btm (ftKB)	Comment
200.0	200.0	
900.0	900.0	
1,820.0	1,820.0	
3,401.0	3,744.0	41 Holes
3,422.0	3,427.0	6 Holes
3,458.0	3,463.0	6 Holes
3,473.0	3,478.0	6 Holes
3,485.0	3,490.0	6 Holes
3,546.0	3,551.0	6 Holes
3,563.0	3,568.0	6 Holes
3,574.0	3,579.0	6 Holes
3,714.0	3,734.0	40 Holes

<b>Other In Hole:</b>				
Des	Top (ftKB)	Btm (ftKB)	Run Date	Com
Bridge Plug - Permanent	3,350.0	3,355.0		CIBP set and tagged at 3350'. Capped with 50 sks cmt.



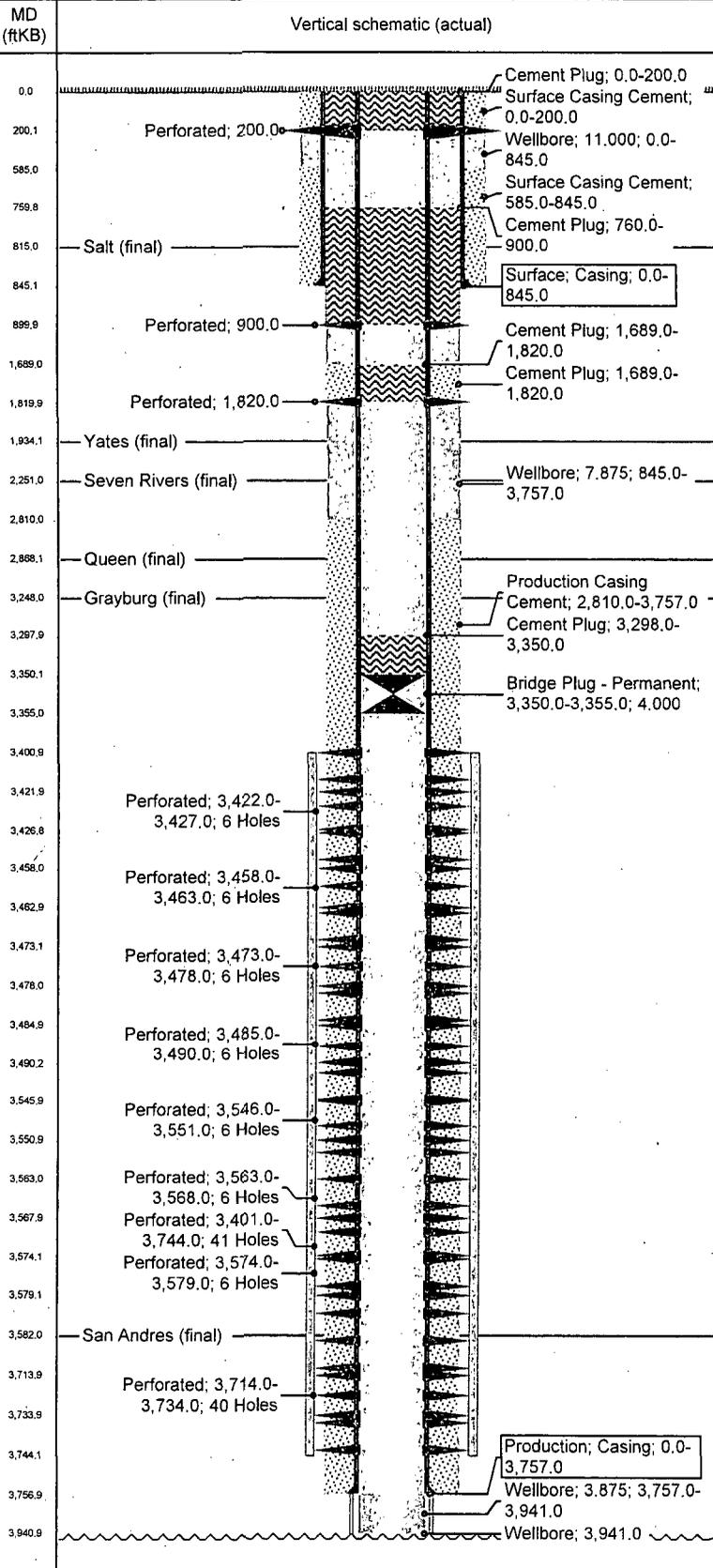
# NM Schematic

Well Name: WEST H E B 26 INJ

API#	Field Name	County	State/Province	Section	Township	Range	Survey	Block
3001505060	BBNM - BB GRAYBURG WEST	Eddy	NM	3	017 S	031 E		
Ground Elevation (ft)	Orig KB Elev (ft)	KB-Grd (ft)	Initial Spud Date	Rig Release Date	TD Date	Latitude (°)	Longitude (°)	Operated
3,968.00	3,968.00	0.00	1/12/1961			32°51'42.508"N	103°51'39.12"W	Yes

Original Hole, 9/16/2016 3:15:58 PM

## Original Hole Data



Formations	Final Top	Final Btm	Comment
Formation Salt	815.0	1,770.0	
Formation Yates	1,934.0		
Formation Seven Rivers	2,251.0		
Formation Queen	2,868.0		
Formation Grayburg	3,248.0		
Formation San Andres	3,582.0		



# 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 pre-disturbance 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, re-distribute 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.

1. 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 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 of well abandonment.
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

Linda Denniston  
Environmental Protection Specialist  
575-234-5974

Henryetta Price  
Environmental Protection Specialist  
575-234-5951

Dara Glass  
Environmental Protection Specialist  
575-234-5924

Shelly Tucker  
Environmental Protection Specialist  
575-234-5979