

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NATURAL CONSERVATION

ARTESIA DISTRICT  
OCD Artesia

MAR 09 2017

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018**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.*5. Lease Serial No.  
NMLC060409

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
FRIESS FEDERAL 49. API Well No.  
30-015-2885610. Field and Pool or Exploratory Area  
GRAYBURG-JACKSON11. County or Parish, State  
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. 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 19 T17S R31E Mer 6PM  
32.817401 N Lat, 103.908279 W Lon**12. CHECK THE 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"/> Hydraulic Fracturing	<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	

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 must 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 must be filed once testing has been completed. Final Abandonment Notices must 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 THE ATTACHED FINAL PLUG AND ABANDONMENT REPORT FOR THE FRIESS FEDERAL #004 WELL IN EDDY COUNTY.

FINAL PLUG & ABANDONMENT OPERATIONS WERE COMPLETED ON 01/30/2017

RECLAMATION PROCEDURE  
ATTACHED

RECLAMATION  
DUE 7-30-17

Accepted as to the first of the well bore,  
liability under the Act, and the  
surface restoration is complete.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #367228 verified by the BLM Well Information System For LINN OPERATING INC., sent to the Carlsbad Committed to AFMSS for processing by DEBORAH MCKINNEY on 02/16/2017 ()	
Name (Printed/Typed) DEBI GORDON	Title REGULATORY MANAGER
Signature (Electronic Submission)	Date 02/15/2017
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
Approved By <i>James R. Ames</i>	Title SRET
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 CRO
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.	

(Instructions on page 2)

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

**FINAL PLUG & ABANDONMENT OPERATIONS – FRIESS FEDERAL #004 WELL IN EDDY COUNTY, NM**

01/16/17 MIRU plugging equipment.  
01/17/17 Installed Hydrill. RIH w/ 9 jts & tagged heavy mud @ 441'. Rigged up swivel & drilled through soft cmt to 566'. Circulated hole clean.  
01/18/17 Broke circulation. Drilled through cmt to 1193'. Circulated well clean.  
01/19/17 Well had 100# psi & flowing water. RIH w/ D.C. & tbg, washed down to 2384'. Circulated hole clean. POOH & Removed BIW head. RIH to 2384, cleared tbg w/ 20 bbls water. Spot'd 50 sx class C cmt w/ 2% CACL @ 2384-1900' +/- WOC. 01/20/17 Tag'd plug @ 1855'. Perf'd csg @ 1400'. RIH W/ packer to 1196', had communication. Isolated holes @ 815-1400'. (Notified Jim Amos w/ BLM). Set packer @ 722' & sqz'd 100 sx cmt w/ 2% CACL & 15 bbls H2O & displaced to 1300'. WOC. 01/23/17 Well had 50 # psi & H2O flow. Tag'd TOC @ 772'. RIH w/ pkr to 630'. Established rate @ 1.5 BPM @ 400 si & 50 psi. Sqz'd 25 sx cmt w/ 2% CACL & displaced to 375'. WOC. No water flow. Tag'd plug @ 657'. Perf'd csg @ 536'. Sqz'd 25 sx cmt & displaced to 340'. WOC.  
01/24/17 Tag'd plug @ 305'. Perf'd csg @ 200'. Set pkr @ surface, would not hold pressure. Pump'd 20 bbls H2O, well would not circulate to surface. Perf'd csg @ 100' (Per Jim Amos w/ BLM request). Sqz'd 45 sx cmt & displaced to 10'. WOC.  
01/25/17 POOH w/ pkr. Tag'd plug @ 30'. Spot'd 5 sx cmt @ 30 to surface. Rigged down and moved off.  
01/30/17 Moved in backhoe and welder. Dug out cellar. Cut off well head. Welded on "Underground Dry Hole Marker". Backfilled cellar. Cut off deadmen. Cleaned location, moved off.

**FINAL PLUG AND ABANDONMENT OPERATIONS COMPLETED ON 01/30/2017**

Well Name: FRIESS FEDERAL 4

APR/WIN 3001528856	Field Name BBN - RB GRAYBURG WEST	County Eddy	State/Province NM	Section 19	Township 017-S	Range 031-E	Survey	Block
Ground Elevation (ft) 3,598.00	Ong KB Elev (ft) 3,612.00	KB-Grd (ft) 14.00	Initial Spud Date 5/29/1996	Rig Release Date	TD Date 6/6/1996	Latitude (N) 32°49'2.343"N	Longitude (W) 103°54'29.110"W	9m Water YES

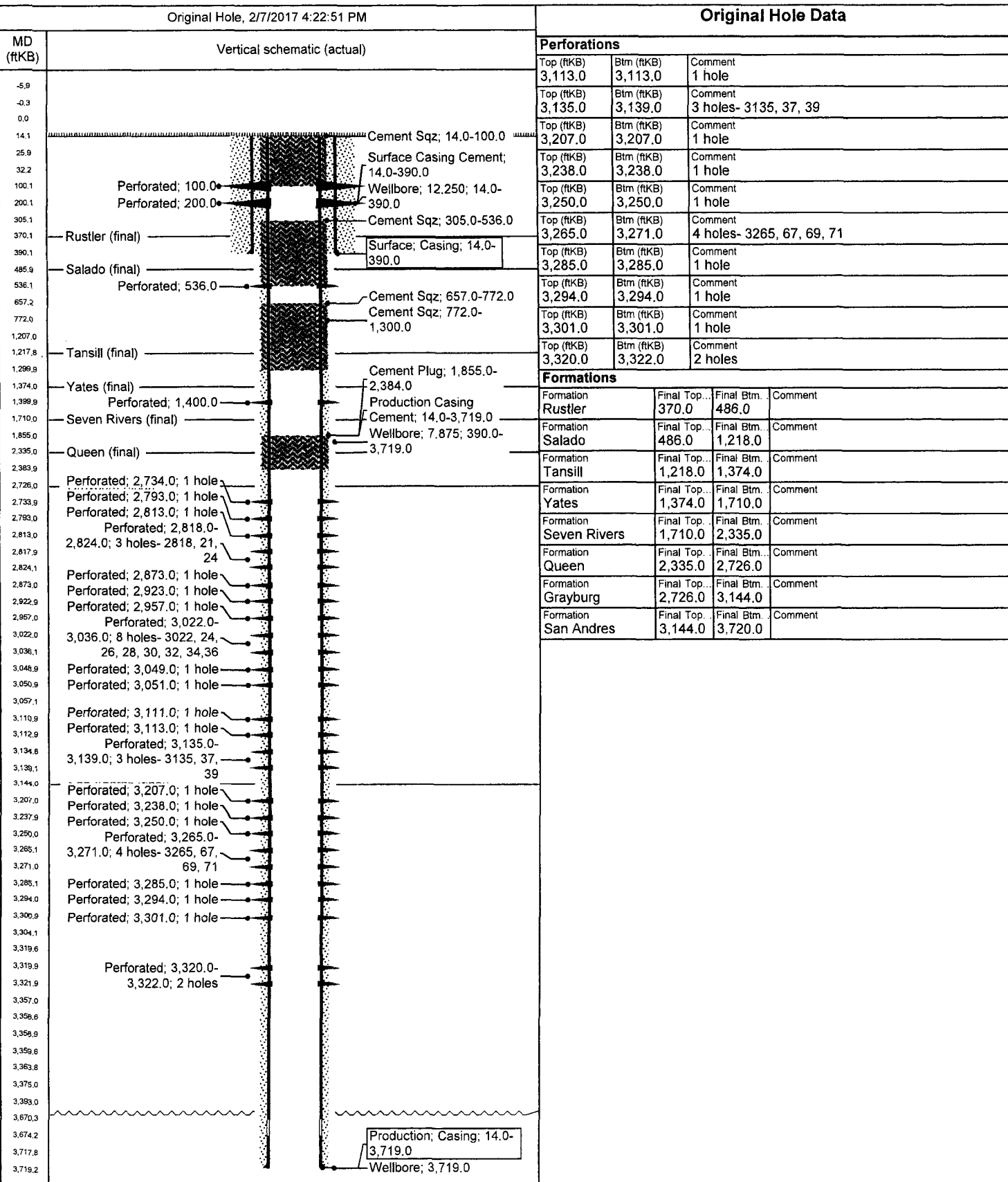
Original Hole, 2/7/2017 4:22:51 PM

### Original Hole Data

MD (ftKB)	Vertical schematic (actual)		Wellbores			
-5.9			North-South Distance (ft)		NS Flag	East-West Distance (ft)
-0.3			1,680.0		FSL	2,650.0
0.0						EW Flag
14.1						FWL
25.9			<b>Casing Strings</b>			
32.2			Csg Des	Set Dept.	OD Nom...	ID Nom...
100.1			Surface	390.0	8 5/8	8.097
200.1			Csg Des	Set Dept.	OD Nom...	ID Nom...
305.1			Production	3,719.0	5 1/2	4.95
370.1			<b>Cement Stages</b>			
390.1			Description	Top (ftKB)	Btm (ftKB)	Eval Method
485.9			Cement Plug	1,855.0	2,384.0	Comment
536.1						Spot 50 sks cmt at 2384'. Tagged TOC at 1855'.
657.2			Description	Top (ftKB)	Btm (ftKB)	Eval Method
772.0			Cement Plug	772.0	1,300.0	Comment
1,207.0						Set pkr at 722' and sqz 100 sks cmt, displaced to 1300'. Tag TOC at 772'.
1,217.8			Description	Top (ftKB)	Btm (ftKB)	Eval Method
1,299.9			Cement Plug	657.0	772.0	Comment
1,374.0						Set pkr and establish rate. Sqz 25 sks cmt on top of prior plug. Tag TOC at 657'.
1,399.9			Description	Top (ftKB)	Btm (ftKB)	Eval Method
1,710.0			Cement Plug	305.0	536.0	Comment
1,855.0						Perf csg at 536'. Sqz 25 sks cmt. Tag TOC at 305'.
2,335.0			Description	Top (ftKB)	Btm (ftKB)	Eval Method
2,383.9			Cement Plug	14.0	100.0	Comment
2,726.0						Perf csg at 100'. Sqz 45 sks cmt. Tag TOC at 30'. Top off with 5 sks cmt.
2,733.9			Description	Top (ftKB)	Btm (ftKB)	Eval Method
2,793.0			Surface Casing Cement	14.0	390.0	Comment
2,813.0						Cemented w/ 375 sxs of class "C" cement. Circ to surface.
2,817.9			Description	Top (ftKB)	Btm (ftKB)	Eval Method
2,824.1			Production Casing Cement	14.0	3,719.0	Comment
2,873.0						Cemented w/ 1350 sxs of class "C" cement. Circ to surface.
2,922.9			<b>Tubing Strings</b>			
2,957.0			Tubing Description	Set Depth..	Run Date	Pull Date
3,022.0			Tubing - Production	3,393.0	9/30/1999	
3,036.1			<b>Perforations</b>			
3,048.9			Top (ftKB)	Btm (ftKB)	Comment	
3,050.9			100.0	100.0		
3,057.1			Top (ftKB)	Btm (ftKB)	Comment	
3,110.9			200.0	200.0		
3,112.9			Top (ftKB)	Btm (ftKB)	Comment	
3,134.8			536.0	536.0		
3,139.1			Top (ftKB)	Btm (ftKB)	Comment	
3,144.0			1,400.0	1,400.0		
3,207.0			Top (ftKB)	Btm (ftKB)	Comment	
3,237.9			2,734.0	2,734.0	1 hole	
3,250.0			Top (ftKB)	Btm (ftKB)	Comment	
3,265.1			2,793.0	2,793.0	1 hole	
3,271.0			Top (ftKB)	Btm (ftKB)	Comment	
3,285.1			2,813.0	2,813.0	1 hole	
3,294.0			Top (ftKB)	Btm (ftKB)	Comment	
3,300.9			2,818.0	2,824.0	3 holes- 2818, 21, 24	
3,304.1			Top (ftKB)	Btm (ftKB)	Comment	
3,319.6			2,873.0	2,873.0	1 hole	
3,319.9			Top (ftKB)	Btm (ftKB)	Comment	
3,321.9			2,923.0	2,923.0	1 hole	
3,357.0			Top (ftKB)	Btm (ftKB)	Comment	
3,358.6			2,957.0	2,957.0	1 hole	
3,358.9			Top (ftKB)	Btm (ftKB)	Comment	
3,359.6			3,022.0	3,036.0	8 holes- 3022, 24, 26, 28, 30, 32, 34, 36	
3,363.8			Top (ftKB)	Btm (ftKB)	Comment	
3,375.0			3,049.0	3,049.0	1 hole	
3,393.0			Top (ftKB)	Btm (ftKB)	Comment	
3,670.3			3,051.0	3,051.0	1 hole	
3,674.2			Top (ftKB)	Btm (ftKB)	Comment	
3,717.8			3,111.0	3,111.0	1 hole	
3,719.2						
			Production; Casing; 14.0-3,719.0			
			Wellbore; 3,719.0			

Well Name: FRIESS FEDERAL 4

AP/WI 3001628856	Field Name FBNM- RB-GRAYBURG WEST	County Eddy	State/Province NM	Section 19	Township 017 S	Range 081 E	Survey	Block
Ground Elevation (ft) 3,598.00	Orig KB Elev (ft) 3,612.00	KB-Grd (ft) 14.00	Initial Spud Date 5/29/1996	Rig Release Date	TD Date 6/6/1996	Latitude (D) 32° 49' 2.343" N	Longitude 103° 54' 29.113" W	Operated? Yes





# 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](http://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

Henryetta Price  
Environmental Protection Specialist  
575-234-5951

Shelly Tucker  
Environmental Protection Specialist  
575-234-5979

Trishia Bad Bear, Hobbs Field Station  
Natural Resource Specialist  
575-393-3612