

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.*

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

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NNMM0555283
2. Name of Operator LINN OPERATING INC Contact: TERRY B CALLAHAN E-Mail: tcallahan@linnenergy.com		6. If Indian, Allottee or Tribe Name
3a. Address 600 TRAVIS STREET, SUITE 5100 HOUSTON, TX 77002	3b. Phone No. (include area code) Ph: 281-840-4272	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 12 T21S R26E Mer NMP NENE 660FNL 660FEL 32.499755 N Lat, 104.239555 W Lon		8. Well Name and No. FEDERAL 12 COM 001
		9. API Well No. 30-015-21288
		10. Field and Pool, or Exploratory BURTON FLAT; STRAWN (PRORA)
		11. County or Parish, and State EDDY COUNTY 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 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 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 PROPOSES TO PLUG THE FEDERAL 12 COM #001 DUE TO WELL NO LONGER BEING ECONOMICAL

- 1. SET CIBP @ ~~40-875'~~ <sup>PBTD 10175'</sup> CIRC HOLE W/ MUD LADEN FLUID. SPOT ~~25 SX~~ <sup>50</sup> CMT ON TOP OF CIBP. ~~70C 9520~~ (T/Strawn & T/Cyn)
- 2. SPOT 25 SX @ ~~8560-8450'~~ <sup>8600-8420</sup>
- 3. SPOT 25 SX @ 5770 - 5675'. <sup>150' plug</sup>
- 4. SPOT 25 SX @ ~~4500-4400'~~ <sup>4630-4780</sup> (T/Boor Springs)
- 5. SPOT 35 SX @ 2650 - 2400'

RECLAMATION PROCEDURE  
ATTACHED

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

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

Electronic Submission #241725 verified by the BLM Well Information System  
For LINN OPERATING INC, sent to the Carlsbad  
Committed to AFMSS for processing by JAMES AMOS on 04/23/2014 ( )

Name (Printed/Typed) TERRY B CALLAHAN	Title REG COMPLIANCE SPECIALIST III
Signature (Electronic Submission)	Date 04/09/2014

APD Accepted for record  
NNM005 5/12/14

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>James R. [Signature]</u>	Title <u>SEPS</u>	Date <u>4-23-14</u>
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 <u>CFO</u>

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.

**Additional data for EC transaction #241725 that would not fit on the form**

**32. Additional remarks, continued**

6. PERF CSG @ ~~650~~<sup>700</sup> SQZ 75 SX TO SURFACE IN AND OUT.

7. CUT OFF WELLHEAD AND WELD ON DRY HOLE MARKER.

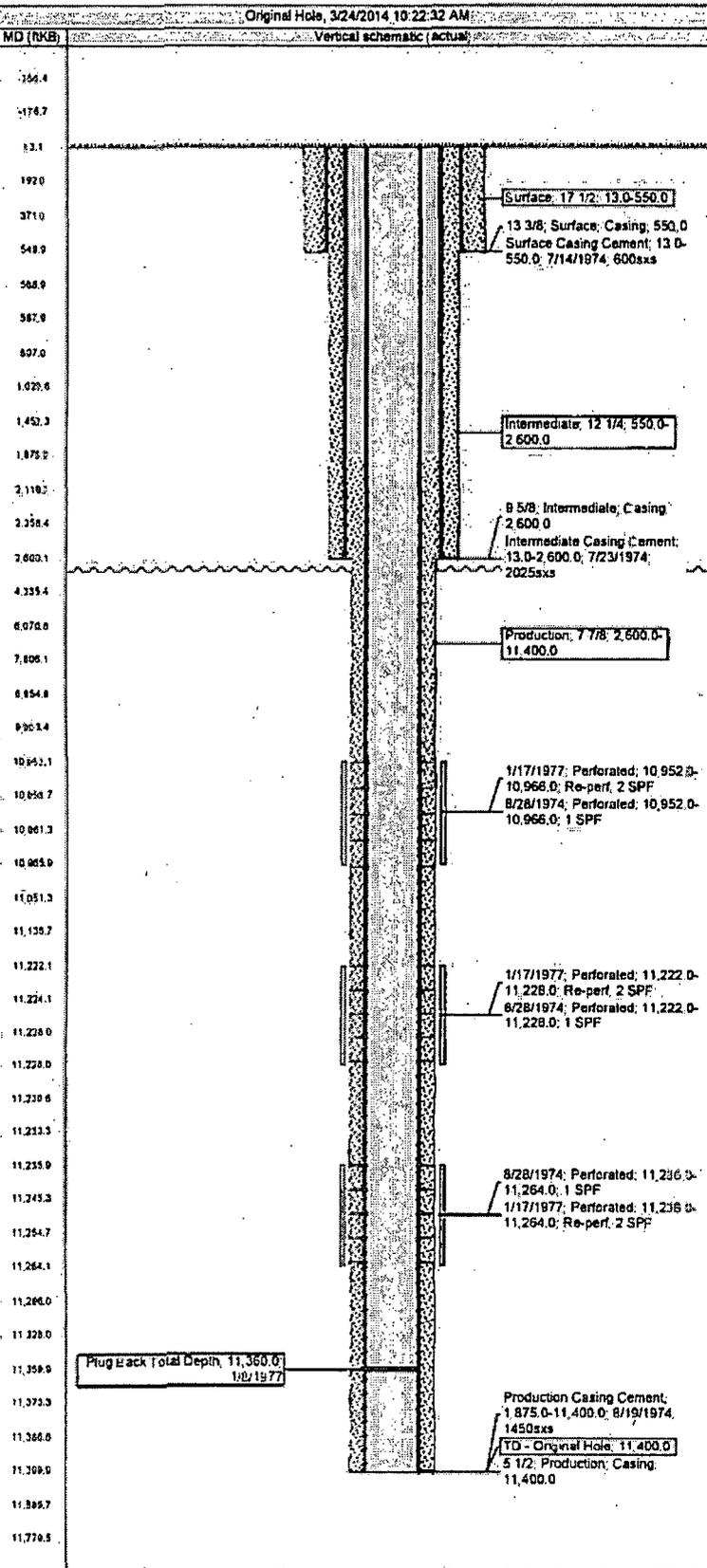
ATTACHED - CURRENT AND PROPOSED WELLBORE DIAGRAMS



# Current Well Schematic (NM)

Well Name: FEDERAL 12 COM #1

API#/WI# 3001521288	Field Name PB-OWEN MESA	County Eddy	State/Prov NM	Section 12	Township 021-S	Range 026-E	Survey	Block
Ground Elevation (ft) 3,187.00	Orig KB Elev (ft) 3,200.00	KB-Grid (ft) 13.00	Initial Spud Date 7/12/1974	R/g Release Date	TD Date 8/16/1974	Latitude (°)	Longitude (°)	Operated? Yes



Original Hole, 3/24/2014 10:22:32 AM		Location & Lat/Long	
NS Dist (ft) 6,660.0	NS Flag FNL	EW Dist (ft) 660.0	EW Flag FEL
Latitude (°) 32° 29' 59.118" N		Longitude (°) 104° 14' 22.398" E	
<b>Wellbore Sections</b>			
Start Date 7/14/1974	Section Description Surface	Size (in) 17 1/2	Act Btm (ftKB) 550.0
Start Date 7/23/1974	Section Description Intermediate	Size (in) 12 1/4	Act Btm (ftKB) 2,600.0
Start Date 8/19/1974	Section Description Production	Size (in) 7 7/8	Act Btm (ftKB) 11,400.0
<b>Plug Back Total Depths</b>			
Depth (ftKB) 11,360.0	Comment		
<b>Casing Strings</b>			
Run Date 7/14/1974	Casing Description Surface	Set Depth (ftKB) 550.0	OD (in) 13 3/8
Run Date 7/23/1974	Casing Description Intermediate	Set Depth (ftKB) 2,600.0	OD (in) 9 5/8
Run Date 8/19/1974	Casing Description Production	Set Depth (ftKB) 11,400.0	OD (in) 5 1/2
<b>Cement Stages</b>			
Description Surface Casing Cement	Top Depth (ftKB) 13.0	Btm (ftKB) 550.0	Comment 600sxs
Description Intermediate Casing Cement	Top Depth (ftKB) 13.0	Btm (ftKB) 2,600.0	Comment 2025sxs
Description Production Casing Cement	Top Depth (ftKB) 1,875.0	Btm (ftKB) 11,400.0	Comment 1450sxs
<b>Perforations</b>			
Date	Top (ftKB)	Btm (ftKB)	Com
8/28/1974	10,952.0	10,966.0	1 SPF
1/17/1977	10,952.0	10,966.0	Re-perf; 2 SPF
8/28/1974	11,222.0	11,228.0	1 SPF
1/17/1977	11,222.0	11,228.0	Re-perf; 2 SPF
8/28/1974	11,236.0	11,264.0	1 SPF
1/17/1977	11,236.0	11,264.0	Re-perf; 2 SPF
<b>Acidizing on 9/1/1974 00:00</b>			
Comment 3000 gals 7-1/2% MS acid + 50 RCN ball sealers			
Min Top Depth (ftKB)	10,952.0	Max Btm Depth (ftKB)	11,264.0
<b>Acidizing on 8/22/1979 00:00</b>			
Comment 295,800 Ft-3 N2 + 4000 gals 7-1/2% Fe HCL			
Min Top Depth (ftKB)	10,952.0	Max Btm Depth (ftKB)	11,264.0
<b>Acidizing on 1/28/1983 00:00</b>			
Comment 5000 gals 7-1/2% DIFE HCl acid + 156,000 SCF N2 & 120 RCN ball sealers			
Min Top Depth (ftKB)	10,952.0	Max Btm Depth (ftKB)	11,264.0



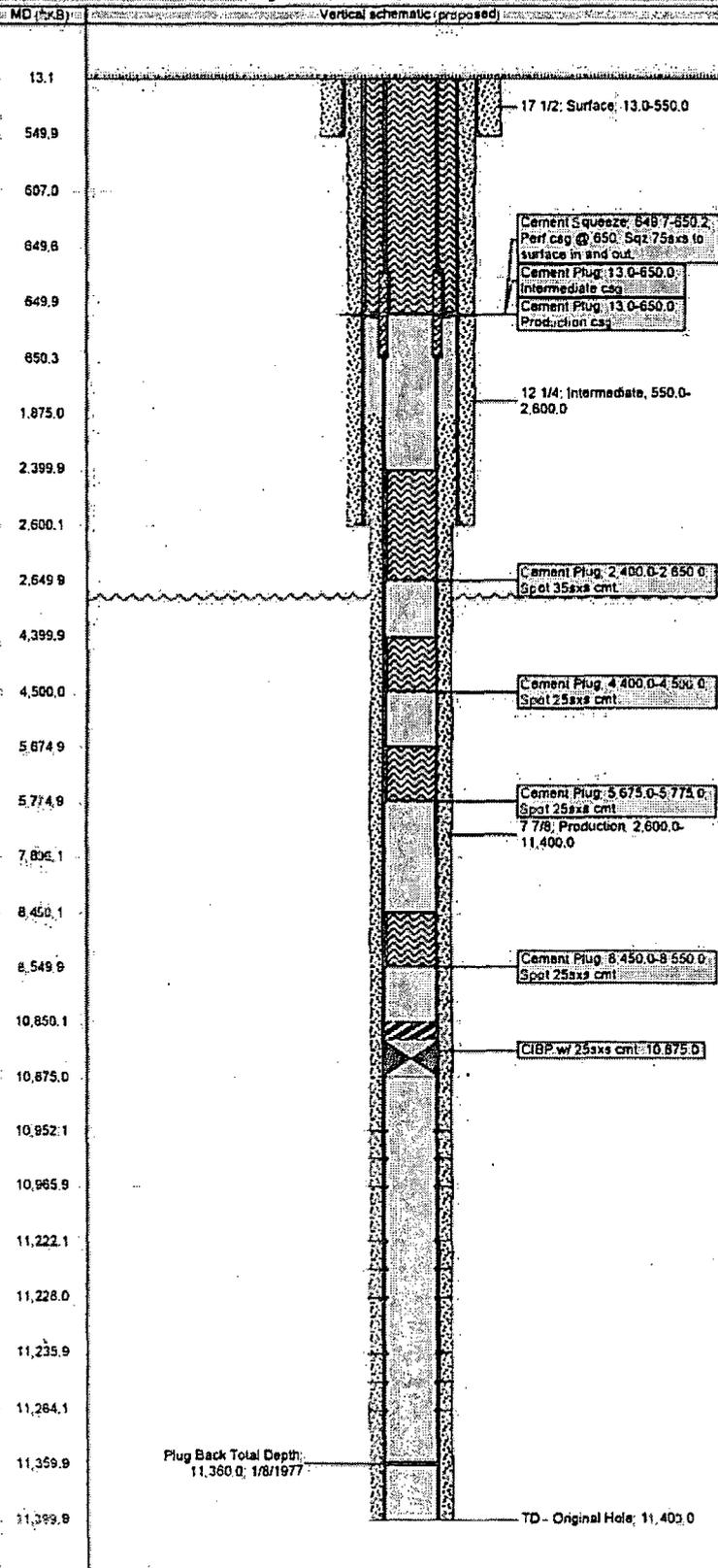
# Proposed P&A (NM)

Well Name: **FEDERAL 12 COM #1**

API/UVI 3001521288	Field Name PB-OWEN MESA	County Eddy	State/Prov NM	Section 12	Township 021-S	Range 026-E	Survey	Block
Ground Elevation (ft) 3,187.00	Orig KB Elev (ft) 3,200.00	KB-Grd (ft) 13.00	Initial Spud Date 7/12/1974	Rig Release Date	TD Date 8/16/1974	Latitude (°)	Longitude (°)	Operated? Yes

Original Hole, 3/25/2014 12:00:00 PM

## Original Hole Data



Location & Lat./Long.			
NS Dist (ft)	NS Flag	EW Dist (ft)	EW Flag
6,660.0	FNL	660.0	FEL
Latitude (°)		Longitude (°)	
32° 29' 59.118" N		104° 14' 22.398" E	

Plug Back Total Depths	
Depth (ft)	Comment
11,360.0	

Wellbore Sections			
Start Date	Section Description	Size (in)	Act Btm (ft)
7/14/1974	Surface	17 1/2"	550.0
7/23/1974	Intermediate	12 1/4"	2,600.0
8/19/1974	Production	7 7/8"	11,400.0

Casing Strings			
Run Date	Casing Description	Set Depth (ft)	OD (in)
7/14/1974	Surface	550.0	13 3/8"
7/23/1974	Intermediate	2,600.0	9 5/8"
8/19/1974	Production	11,400.0	5 1/2"

Cement Stages				
Prop?	Description	Top (ft)	Btm (ft)	Comment
Yes	Cement Plug	13.0	650.0	Production csg
Yes	Cement Plug	2,400.0	2,650.0	Spot 35sxs cmt.
Yes	Cement Plug	4,400.0	4,500.0	Spot 25sxs cmt
Yes	Cement Plug	5,675.0	5,775.0	Spot 25sxs cmt
Yes	Cement Plug	8,450.0	8,550.0	Spot 25sxs cmt
Yes	Cement Plug	13.0	650.0	Intermediate csg
Yes	Surface Casing Cement	13.0	550.0	600sxs
Yes	Intermediate Casing Cement	13.0	2,600.0	2025sxs
Yes	Production Casing Cement	1,875.0	11,400.0	1450sxs
Yes	Cement Squeeze	649.8	650.3	Perf csg @ 650. Sqz 75sxs to surface in and out.

Other In Hole		
Prop Run?	Description	Bottom Depth (ft)
Yes	CIBP w/ 25sxs cmt.	10,875.0

## Proposed Plug & Abandon Procedure

- P&A Procedure:
1. CIBP @ 10875. Circulate hole w/ mud laden fluid. Spot 25 sx cement on top of CIBP.
  2. Spot 25 sx @ 8550 - 8450.
  3. Spot 25 sx @ 5775-5675.
  4. Spot 25 sx @ 4500-4400.
  5. Spot 35 sx @ 2650-2400. WOC & Tag.
  6. Perf csg@ 650. Sqz 75 sx to surface in and out.
  7. Cut off wellhead and weld on dry hole marker.

BUREAU OF LAND MANAGEMENT  
Carlsbad Field Office  
620 East Greene Street  
Carlsbad, New Mexico 88220  
575-234-5972

Permanent Abandonment of Federal Wells  
Conditions of Approval

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.

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 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 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. In lieu of a cement plug in a cased hole, 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.

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. **Dry Hole Marker:** All casing 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 capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement. The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds).

7. **Subsequent Plugging Reporting:** Within 30 days after plugging work is completed, file one original and five 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. **Trash:** 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 conditions of approval will be developed and furnished to you.



# 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

### Interim Reclamation 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.

Interim reclamation consists of minimizing the footprint of disturbance by reclaiming all portions of the well site not needed for production operations. The portions of the cleared well site not needed for operational and safety purposes are recontoured to a final or intermediate contour that blends with the surrounding topography as much as possible. Sufficient level area remains for setup of a workover rig and to park equipment. Topsoil is respread over areas not needed for all-weather operations. Production facilities should be clustered to maximize the opportunity for interim reclamation. In order to inspect and operate the well or complete workover operations, it may be necessary to drive, park, and operate on restored, interim vegetation within the previously disturbed area. This is generally acceptable provided damage is repaired and reclaimed following use.

To reduce final reclamation costs; maintain healthy, biologically active topsoil; and to minimize habitat, visual, and forage loss during the life of the well, all salvaged topsoil should be spread over the area of interim reclamation, rather than stockpiled.

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). Interim reclamation is to be completed within 6 months of well completion.
3. If you have an approved Surface Use Plan of Operation and/or an approved Sundry Notice, you are free to proceed with interim reclamation as per approved APD or Sundry Notice. 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.
4. 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.
5. 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 there are any questions, please feel free to contact any of the following specialists:

Jim Amos  
Supervisory Environmental Protection Specialist  
575-234-5909 (Office), 575-361-2648 (Cell)

Linda Denniston  
Environmental Protection Specialist  
575-234-5974

Jennifer Van Curen  
Environmental Protection Specialist  
575-234-5905

Mike Burton  
Environmental Protection Specialist  
575-234-2226

Jeffery Robertson  
Natural Resource Specialist

Solomon Hughes  
Natural Resource Specialist  
575-234-5951

Douglas Hoag  
Civil Engineering Technician  
575-234-5979