

OCD-ARTESIA
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No 1004-0137
Expires March 31, 2007

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 page 2.

1 Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Fasken Oil and Ranch, Ltd.

3a. Address
303 West Wall St., Suite 1800, Midland, TX 79701

3b. Phone No (include area code)
432-687-1777

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1817' FSL & 837' FEL of Sec 10, T21S, R26E

5. Lease Serial No
NM - 3606

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
Avalon "10" Federal No. 43

9. API Well No.
30-015-31668

10. Field and Pool or Exploratory Area
E. Catclaw Draw Delaware

11. Country or Parish, State
Eddy, NM

12 CHECK THE 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 recomplete 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.)

Fasken Oil and Ranch, Ltd. proposes to plug and abandon the Avalon "10" Federal No. 43.

Please see attached for procedure, current and proposed plug and abandon wellbore diagrams.

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

**RECLAMATION PROCEDURE
ATTACHED**

**SUBJECT TO LIKE
APPROVAL BY STATE**

14 I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Kim Tyson

Title Regulatory Analyst

Signature

Kim Tyson

Date 06/17/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

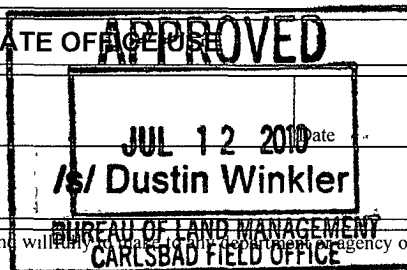
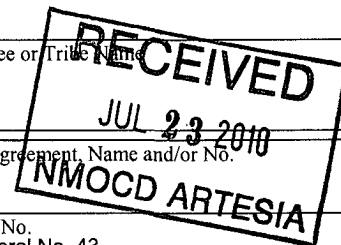
Title

Office

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.

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 any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)



Plug and Abandonment Procedure
Avalon "10" Federal No. 43
1817' FSL & 837' FEL
Sec 10, T21S R26E

OBJECTIVE:	P&A
WELL DATA:	
13-3/8" 40# J-55 casing:	Set at 625', Cmt 200 sx "H" + 200 Sx "C" w/2% CaCl ₂ + 1" w/225 sx "C" 7stgs, TOC surf.
8-5/8" 32# J-55 casing:	Set at 1843', Cmt 400 sx 50:50" 10 "C" + 200 sx "C" w/2% CaCl ₂ , TOC surf, circ 129 sx
5-1/2" 17# J-55 casing:	Set at 4470', Cmt 450 sx 15:61, 11 Poz "C" w/5# salt/sack, TOC 1674' (Burst - $5,320 * 0.8 = 4,256$ psi)
Current Perfs:	2510'-20' CIBP 2954'
Proposed Perfs:	2996'-3004' (32h), 3232'-3242' (20h) 2,510'-2,520'
KB:	17'
TD:	4560'
PBTD:	2954' CIBP
Tubing:	none, pulled 1-13-09

1. Notify BLM in Carlsbad @ 575-361-2822 of the intent to plug and abandon 24 hours prior to rigging up on well
2. Make sure mast anchors have been tested and tagged in last 24 months.
3. RUPU, set rig mats, cat walk, set pipe racks and a half-frac workover tank on location.
4. Receive 3100' 2-3/8" EUE 8rd J-55 workstring and a full set of 2-3/8" J-55 tubing subs.
5. Lay flow line to workover tank. Open casing valve and bleed pressure off 5-1/2" casing.
6. ND wellhead and NU 7-1/16" 3K manual BOP with 2-3/8" pipe rams and blind rams.
7. RUWL and 3000 psi lubricator and RIW with 4.75" OD gauge ring to 2450'. Set 5-1/2" CIBP at 2450'. Dump bail 4sx (35') Class "C" cement on CIBP and dump bail 35' cmt. POW and RDWL.
8. PU and RIW with collar, seating nipple, and 2-3/8" EUE 8rd J-55 workstring. Tag PBTD at 2415'. **Note:** if tag is lower than 2415' spot 15 sx Class "C" cement with tubing.
9. Displace the well down tubing with 60 bbls 9.5# salt gel mud with a minimum of 12.5 pounds of gel per barrel. POW laying down tubing to 1900'.
10. Plug #1 (8-5/8" shoe plug): mix and spot a 25 sx Class "C" cement plug at 1900'-1650'. POW and WOC 2 hours. RIW with tubing and **TAG** cement plug @ or above 1800' (at least 50' above 8-5/8" shoe depth of 1843'). Notify Midland Office and BLM of the results. POW laying down tubing to 725'.
11. Plug #2 (13-3/8" shoe plug): Mix and spot a 25 sx Class "C" cement plug at 725'-470'. POW and WOC 2 hours. RIW with tubing and **TAG** cement plug @ or above 575' (minimum 50' above 13-3/8" shoe depth 625'). Notify Midland Office and BLM of the results. POW laying down tubing to 100'.
12. Plug #3: Mix and spot a 10 sx Class "C" cement plug at 100', displacing cement to surface

13. Bleed any pressure present off 13-3/8" X 8-5/8" annulus and 8-5/8" X 5-1/2" annulus.
14. Dig out wellheads and cut-off below "A" section. Weld cap and dry hole marker on top of well. Install 1" 2000 psi valve welded into top of marker joint. Remove valve handle and close valve.
15. Send wellheads to Midland office. Clean location, RDPU and release all rental equipment.

CWB
6-17-10

Avalon "10" Federal No. 43

Current as of 1-13-09

GL: 3181'

KB: 3198'

Operator: Fasken Oil and Ranch, Ltd.
Location: 1817' FSL and 837' FEL
 Sec 10, T-21-S, R-26-E
 Eddy County, New Mexico
Compl.: 5/11/2001 released rig
API #: 30-015-31668
IP:
TD: 4560'
PBTD: 4520' FC
Casing: **13-3/8", 54.5#/ft J-55 @ 625'**
 w/200sx"H"+340sx w/6%gel,5#salt,
 +200 sx "C" w/2% CaCl2
 1" w/225 sx "C" w/4% CaCl2, 7stgs
 TOC surf
8-5/8", 32#/ft, J-55 @ 1843'
 w/400sx 50:50:10 "C"+200sx"C" w/2% CaCl2
 TOC surf, circ 129 sx
5-1/2" 17#/ft, J-55 @ 4560'
 w/450sx 15:61;11 Poz "C" w/5#salt
 TOC 1674'

RODS: Layed down rods and pump 1-13-09

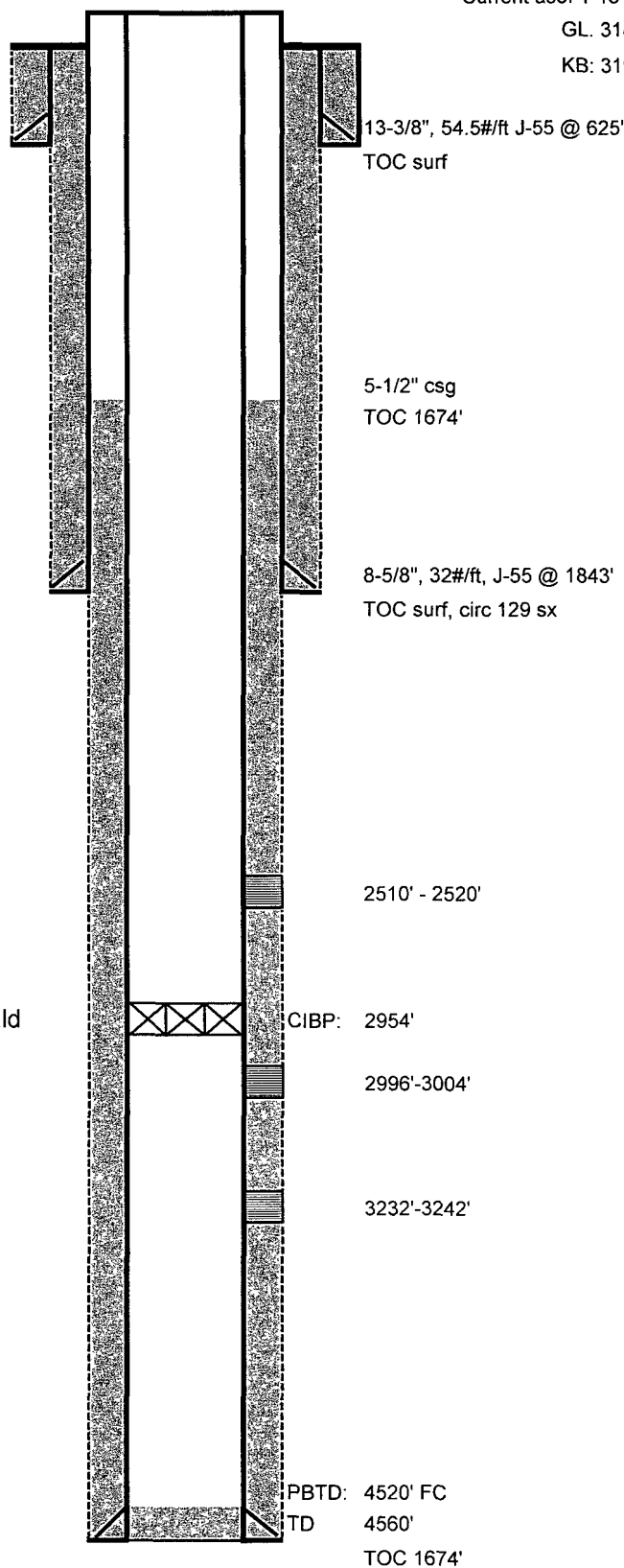
TUBING: Layed down 2-7/8" tubing 1-13-09

Attempted to circulate well with 100 bbls
 3% KCl water with corrosion inhibitor; well would
 not circulate.

CIBP 2954' by wireline

Perfs:
 2996'-3004' 32 holes
 3232'-3242' 20 holes
 2510' - 2520' 11 holes

Hole Sizes
 17-1/2" Surf-625'
 12-1/4" 625-1843'
 7-7/8" 1843'-4560'



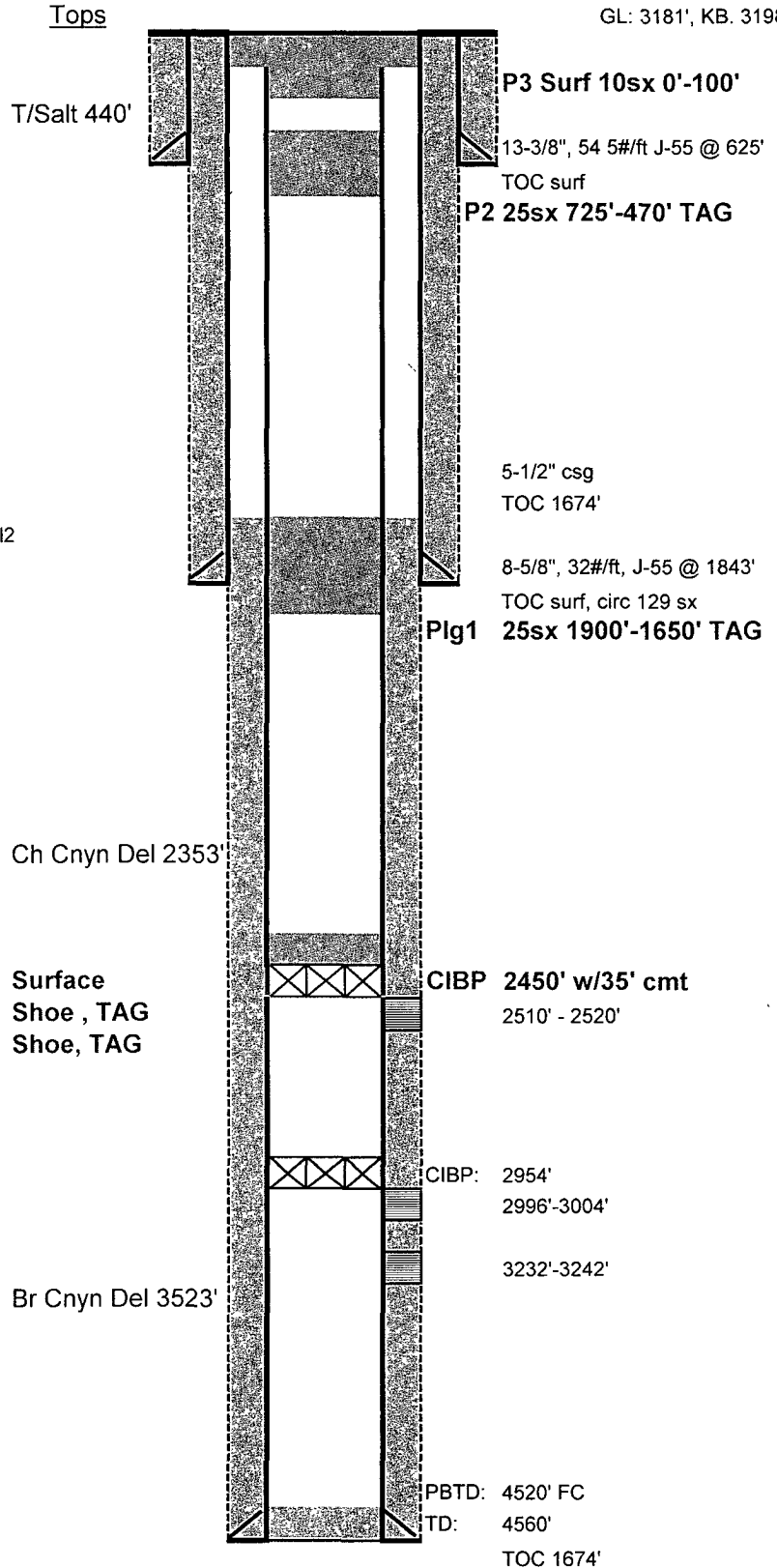
Avalon "10" Federal No. 43

Proposed P&A

asof 6-16-10

GL: 3181', KB: 3198'

Operator: Fasken Oil and Ranch, Ltd.
Original Oper: Carbon Energy
Location: 1817' FSL and 837' FEL
 Sec 10, T-21-S, R-26-E
 Eddy County, New Mexico
Compl.: 5/11/2001 released rig
API #: 30-015-31668
TD: 4560'
PBTD: 4520' FC
Casing: **13-3/8", 54.5#/ft J-55 @ 625'**
 w/200sx"H"+340sx w/6%gel,5#salt,
 +200 sx "C" w/2% CaCl2
 1" w/225 sx "C" w/4% CaCl2, 7stgs
 TOC surf
8-5/8", 32#/ft, J-55 @ 1843'
 w/400sx 50:50:10 "C"+200sx"C"w/2% CaCl2
 TOC surf, circ 129 sx
5-1/2" 17#/ft, J-55 @ 4560'
 w/450sx 15:61;11 Poz "C" w/5#salt
 TOC 1674'



Proposed P&A (6-16-10)

Plg 3	15 sx "C"	0-60'
Plg 2	25 sx "C"	725'-470'
Plg 1	25 sx "C"	1900'-1645'
CIBP	2450' w/35' cmt	

Surface
 Shoe, TAG
 Shoe, TAG

Plug1

CIBP 2954' by wireline

Perfs: 2996'-3004' 32 holes
 3232'-3242' 20 holes
 2510' - 2520' 11 holes

Hole Sizes 17-1/2" Surf-625'
 12-1/4" 625-1843'
 7-7/8" 1843'-4560'

Fasken Oil and Ranch, Ltd.
NM-3606: Avalon "10" Federal #43
API: 30-015-31668
Eddy County, New Mexico

RE: Plugging and Abandonment Requirements, Conditions of Approval

H2S monitoring equipment to be on site.

1. OK
2. OK
3. OK
4. OK
5. OK
6. OK
7. OK (Perfs)
8. OK
9. OK
10. Tag at 1780' or shallower – Otherwise OK (Casing Shoe – Delaware)
- 10a. Perf and squeeze plug from 960-850'. WOC and tag at 850' or shallower. If injection rate cannot be established, spot cement 100' below perfs. (Capitan Reef)
11. Perf and squeeze plug to fill in and out of casing – Otherwise OK (Casing shoe)
12. Perf and squeeze plug to fill in and out of casing. Plug must run from 400'-surface because of cave/karst featured – Otherwise OK (Cave/Karst – Surface)
13. OK
14. Verify Cement to surface in all annuluses – Otherwise OK.
15. OK
16. Submit a subsequent report to the BLM.

See attached standard COAs.

DHW 062810

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 90th day provide this office, prior to the 90th 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. 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. Any plug that requires a tag will have a minimum WOC time of 4 hours.

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 BLM is to be notified when the wellhead is cut off to verify that cement is to surface in the casing and all annuluses.** 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 will be required. See attached reclamation procedure.

DHW 112309



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

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, 575-361-2648 (Cell)

Cody Layton
Natural Resource Specialist
575-234-5959

Terry Gregston
Environmental Protection Specialist
575-234-5958

Trishia Bad Bear
Natural Resource Specialist
575-393-3612

Bobby Ballard
Environmental Protection Specialist
575-234-2230

Todd Suter
Surface Protection Specialist
575-234-5987

Randy Rust
Environmental Protection Specialist
575-234-5943

Doug Hoag
Civil Engineering Technician
575-234-5979

Linda Denniston
Environmental Protection Specialist
575-234-5974

Jennifer Van Curen
Environmental Protection Specialist
575-234-5905

Justin Frye
Environmental Protection Specialist
575-234-5922