

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia  
NM OIL CONSERVATION

ARTESIA DISTRICT

MAR 06 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.*

RECEIVED

5. Lease Serial No. NMNM22080
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No.
8. Well Name and No. BARCLAY FEDERAL 001
9. API Well No. 30-015-24954
10. Field and Pool or Exploratory Area LIVINGSTON RIDGE
11. County or Parish, State EDDY COUNTY, NM

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	
2. Name of Operator LINN OPERATING INC.	
Contact: DEBI GORDON E-Mail: DGORDON@LINNENERGY.COM	
3a. Address 600 TRAVIS ST. SUITE 1400 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 1 T23S R31E Mer 6PM 660FSL 1980FWL	

**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"/> 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 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomplate 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 Operating Inc. is respectfully submitting the attached plug and abandonment procedure for your review and approval for the Barclay Federal #001 in Eddy County, NM.

RECLAMATION PROCEDURE  
ATTACHED

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

*Below ground level dry hole marker required, h/c timing*

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

Electronic Submission #367229 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

Accepted for record  
NMOCD  
A.L.B.

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By <i>James A. Puro</i>	Title <i>SRET</i>	Date <i>2-28-17</i>
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 <i>CFD</i>

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 \*\***

# BARCLAY FEDERAL #1 PROPOSED P&A PROCEDURE

Eddy County, NM  
API: 30-015-24954  
Linn Operating

1. Notify BLM & OCD of work prior to rig up.
2. MIRU P&A rig.
3. Tag CIBP at 6122'. Circulate hole with mud laden fluid.
4. Spot 25 sks cmt on top of CIBP at 6122'-6022'.
5. Perf & Sqz 50 sks cmt at 4570'-4390'. WOC and Tag.
6. Perf & Sqz 35 sks cmt at 845'-745'. WOC and Tag.
7. Perf & Sqz 50 sks cmt at 200'-surface.
8. Cut off wellhead. Weld on "below ground dry hole marker".

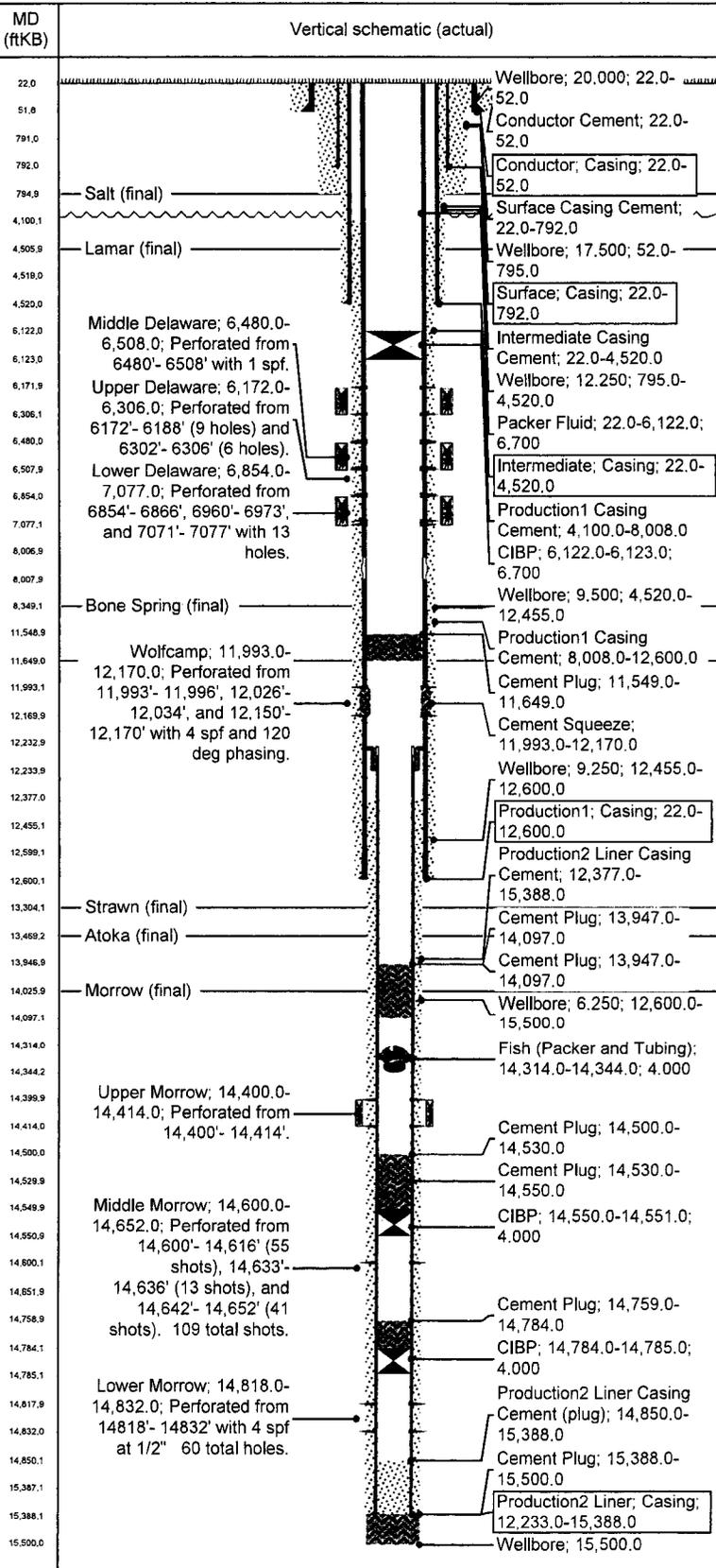
Drill out CIBP. RIH to 8439, spot plug from 8439 7958. WOC Tag (Top Bone Spring & DVT). Set CIBP 6122. Continue, Step 4.

**Well Name: BARCLAY FEDERAL 001 (GRAYBURG)**

Field No: 3001624954	Field Name: BARCLAY FEDERAL 001 (GRAYBURG)	County: Eddy	State/Province: NM	Section: 09	Township: 06	Range: 06
Ground Elevation (ft): 3,495.00	Orig KB Elev (ft): 3,517.00	KB-Grd (ft): 22.00	Initial Spud Date: 8/20/1984	Rig Release Date:	TD Date:	22, 19, 40, 06, 1

Original Hole, 2/13/2017 3:47:07 PM

**Original Hole Data**



<b>Wellbores</b>		North-South Distance (ft)	NS Flag	East-West Distance (ft)	EW Flag
		660.0	FSL	1,980.0	FWL
<b>Casing Strings</b>					
Csg Des	Set Dept.	OD Nom.	ID Nom.	W/Len (l.)	String Grade
Conductor	52.0	20	18.73		
Csg Des	Set Dept.	OD Nom.	ID Nom.	W/Len (l.)	String Grade
Surface	792.0	13 3/8	12.715	48.00	H-40
Csg Des	Set Dept.	OD Nom.	ID Nom.	W/Len (l.)	String Grade
Intermediate	4,520.0	10 3/4	9.95	45.50	K-55
Csg Des	Set Dept.	OD Nom.	ID Nom.	W/Len (l.)	String Grade
Production1	12,600.0	7 5/8	6.765	33.70	S-95
Csg Des	Set Dept.	OD Nom.	ID Nom.	W/Len (l.)	String Grade
Production2 Liner	15,388.0	4 1/2	3.92	13.50	P-110
Run Date	Run Date	Run Date	Run Date	Run Date	Run Date
8/20/1984	8/22/1984	8/30/1984	9/23/1984	10/29/1984	
<b>Cement Stages</b>					
Description	Top (ftKB)	Btm (ftKB)	Eval Method	Comment	
Conductor Cement	22.0	52.0	CALC.	Cemented with Redi Mix concrete. No other details reported.	
Surface Casing Cement	22.0	792.0	Returns to Surface	Cemented with 700 sacks Class C cement; circulated 200 sacks of cement to surface.	
Intermediate Casing Cement	22.0	4,520.0	CALC.	Cemented with 1500 sacks Lite Wt. followed by 250 sacks Class C; circulated 500 sacks of cement to surface.	
Production1 Casing Cement	8,008.0	12,600.0	CALC.	Stage 1 cemented with 1050 sacks Class H cement; circulated 350 sacks of cement to surface.	
Production1 Casing Cement	4,100.0	8,008.0	CALC.	Stage 2 cemented with 1000 sacks Howco Lite followed by 200 sacks Class H. TOC at 4100' per Temperature Survey (9-24-1984).	
Production2 Casing Cement	12,377.0	15,388.0	TEMP LOG	Production liner cemented with 550 sacks. TOC at 12,337' calculated assuming a 6-1/4" hole, 1.18 yield/sack, and 50% efficiency.	
Cement Plug	15,388.0	15,500.0	TAGGED	Cement Fill	
Cement Plug	14,759.0	14,784.0	TAGGED	Set a 25' cement plug on CIBP. Date not reported.	
Cement Plug	14,530.0	14,550.0	TAGGED	Set a 45' plug on CIBP.	
Cement Plug	14,500.0	14,530.0	TAGGED	Set an additional 30' cement plug on CIBP.	
Cement Squeeze	11,993.0	12,170.0	CALC.	Squeezed perforations from 11,993'- 12,170' with 150 sacks of cement.	
Cement Plug	13,947.0	14,097.0	TAGGED	Spotted a 150' cement plug.	



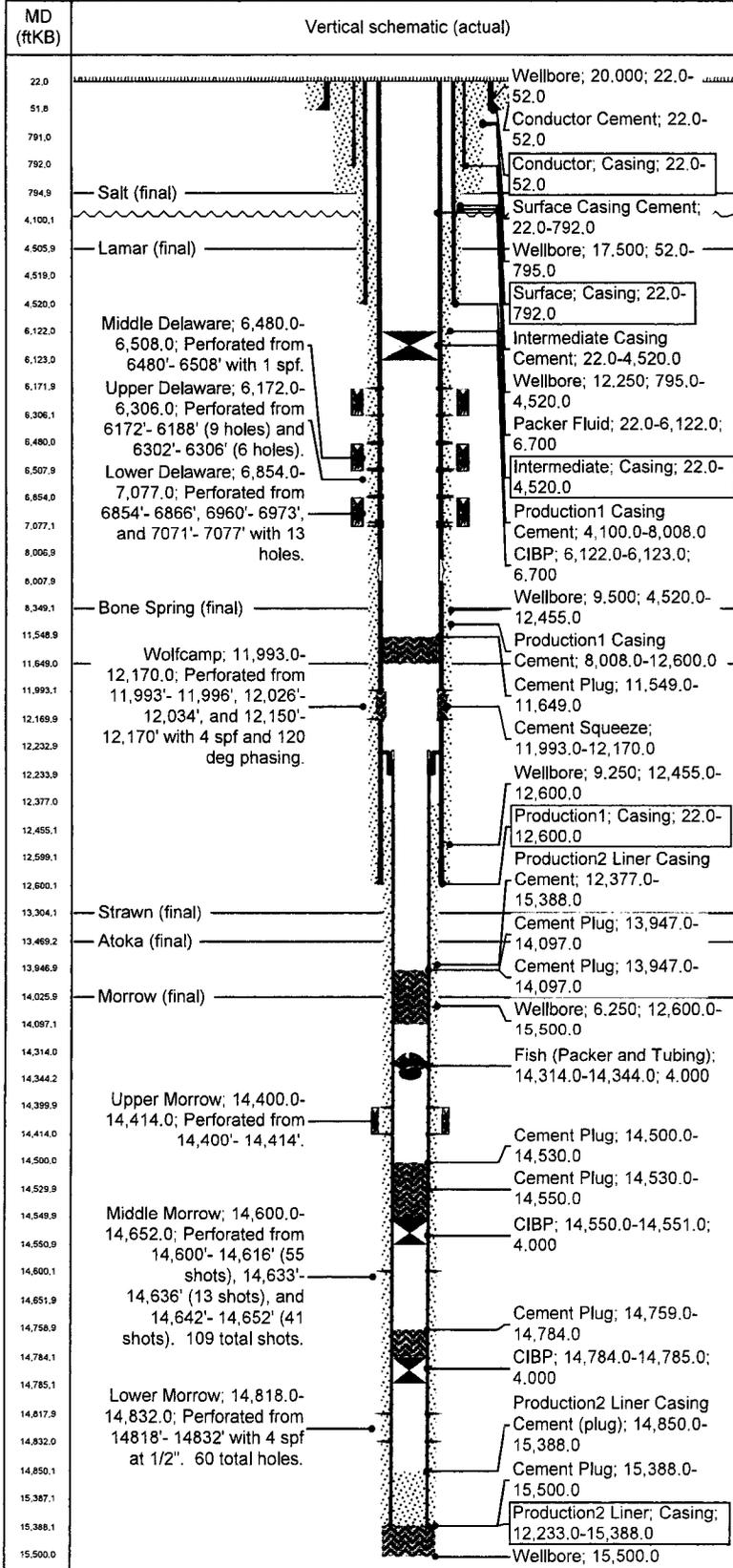
# NM Schematic

Well Name: BARCLAY FEDERAL 001 (GRAYBURG)

Field No	Field Name	County	State/Province	Section	Township	Range	Survey	Block
300124	BARCLAY FEDERAL SOUTH	GRAYBURG	NM	022	022	031		
Ground Elevation (ft)	Orig KB Elev (ft)	KB-Grd (ft)	Initial Spud Date	Rig Release Date	TD Date	Field No	Original P.N.	Page
3,495.00	3,517.00	22.00	8/20/1984			300124	102-490-231-W	1 of 2

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## Original Hole Data



Cement Stages		Top (ftKB)	Btm (ftKB)	Eval Method	Comment
Description	Cement Plug	11,549.0	11,649.0	TAGGED	Spotted a 200' cement plug.
Description	Cement Plug	13,947.0	14,097.0	TAGGED	Set a 150' cement plug on packer.

Tubing Strings		Set Depth	Run Date	Pull Date
Tubing Description	Tubing - Production			

Perforations		
Top (ftKB)	Btm (ftKB)	Comment
6,172.0	6,306.0	Perforated from 6172'- 6188' (9 holes) and 6302'- 6306' (6 holes).
6,480.0	6,508.0	Perforated from 6480'- 6508' with 1 spf.
6,854.0	7,077.0	Perforated from 6854'- 6866', 6960'- 6973', and 7071'- 7077' with 13 holes.
11,993.0	12,170.0	Perforated from 11,993'- 11,996', 12,026'- 12,034', and 12,150'- 12,170' with 4 spf and 120 deg phasing.
14,400.0	14,414.0	Perforated from 14,400'- 14,414'.
14,600.0	14,652.0	Perforated from 14,600'- 14,616' (55 shots), 14,633'- 14,636' (13 shots), and 14,642'- 14,652' (41 shots). 109 total shots.
14,818.0	14,832.0	Perforated from 14818'- 14832' with 4 spf at 1/2". 60 total holes.

Other In Hole				
Des	Top (ftKB)	Btm (ftKB)	Run Date	Com
CIBP	14,784.0	14,785.0	4/24/1995	Set date not reported.
CIBP	14,550.0	14,551.0	4/25/1995	Set 4-1/2" CIBP at 14,550'
Fish (Packer and Tubing)	14,314.0	14,344.0	2/18/1999	Packer set at 14,344'. Cut stuck tubing at 14,314'.
CIBP	6,122.0	6,123.0	2/9/2002	
Packer Fluid	22.0	6,122.0	2/9/2002	Filled casing with packer fluid.

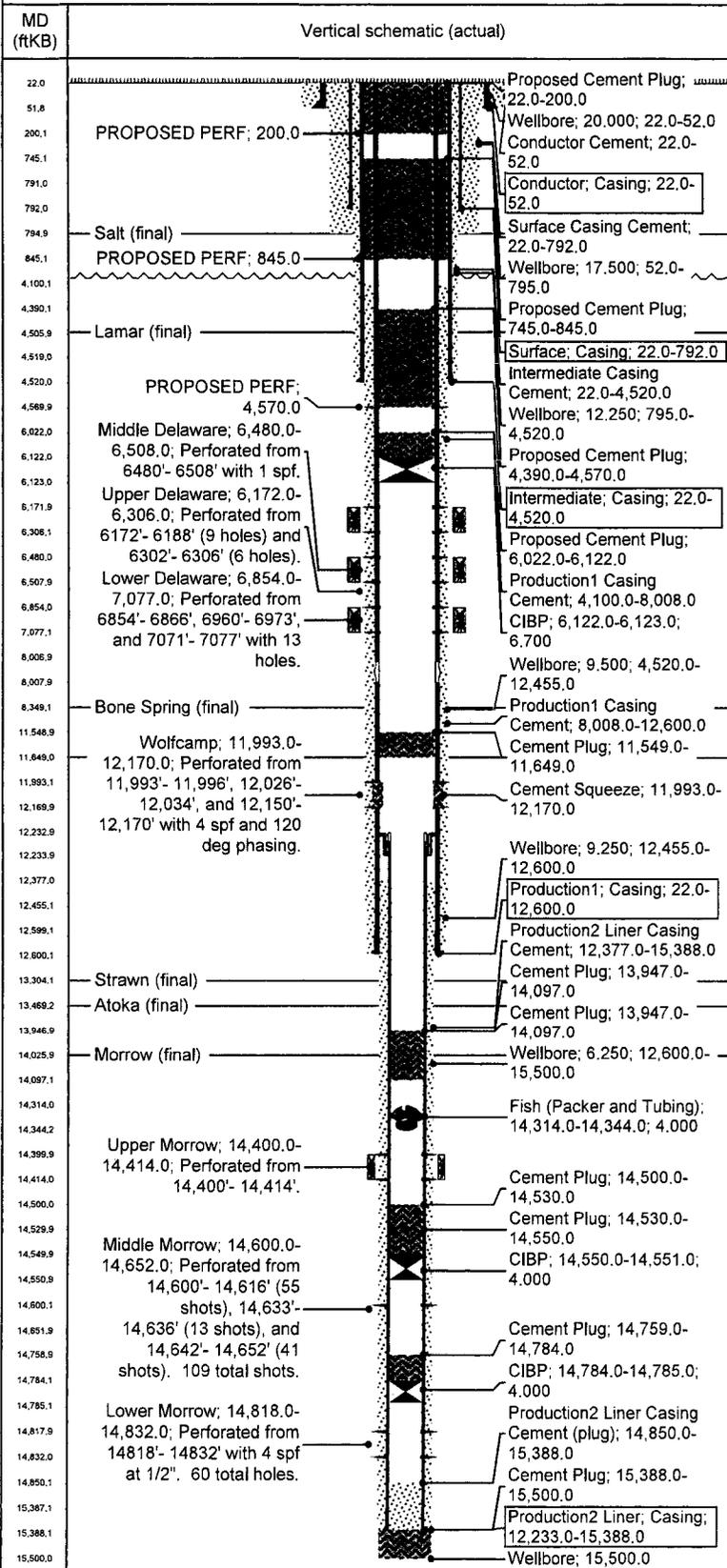
Formations			
Formation	Final Top	Final Btm	Comment
Lamar	4,506.0		
Bone Spring	8,349.0		
Wolfcamp	11,649.0		
Strawn	13,304.0		
Atoka	13,469.0		
Morrow	14,026.0		
Salt	795.0	4,441.0	

**Well Name: BARCLAY FEDERAL 001 (GRAYBURG)**

AP/Well	AP Name	County	State	Section	Range	Block	Acres
2001/2/4/84	BARCLAY FEDERAL 001	GRAYBURG	NM	10	22	10	1.00
Ground Elevation (ft)	Orig KB Elev (ft)	KB-Grd (ft)	Initial Spud Date	Rig Release Date	TD Date	Well ID	Well ID
3,495.00	3,517.00	22.00	8/20/1984			22-10-201004	02-10-1004

Original Hole, 2/13/2017 3:53:20 PM

Original Hole Data



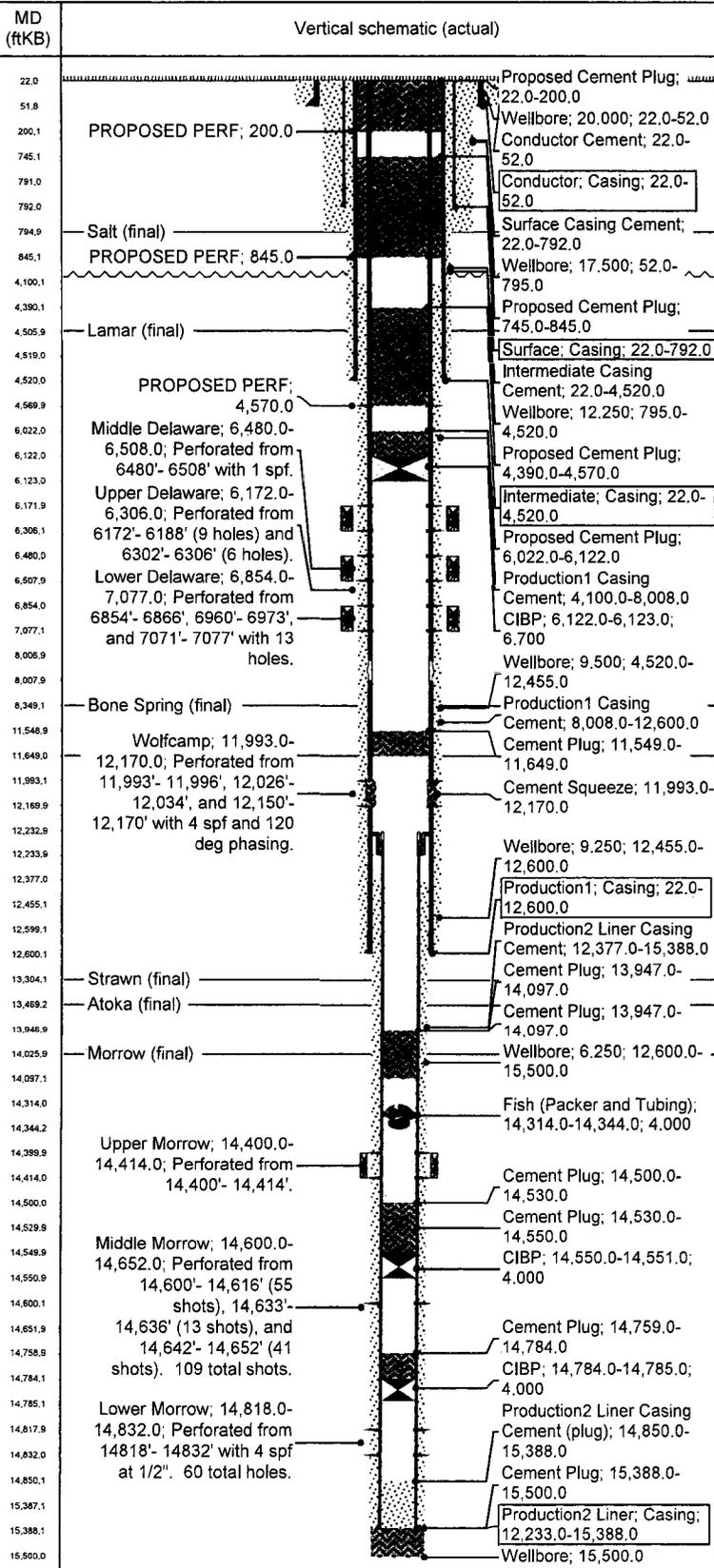
Wellbores		NS Flag	East-West Distance (ft)	EW Flag		
North-South Distance (ft)		FSL	1,980.0	FWL		
660.0						
Casing Strings						
Csg Des	Set Dept.	OD Nom...	ID Nom...	WVLen (l.)	String Grade	Run Date
Conductor	52.0	20	18.73			8/20/1984
Surface	792.0	13 3/8	12.715	48.00	H-40	8/22/1984
Intermediate	4,520.0	10 3/4	9.95	45.50	K-55	8/30/1984
Production1	12,600.0	7 5/8	6.765	33.70	S-95	9/23/1984
Production2 Liner	15,388.0	4 1/2	3.92	13.50	P-110	10/29/1984
Cement Stages						
Description	Top (ftKB)	Btm (ftKB)	Eval Method	Comment		
Proposed Cement Plug	6,022.0	6,122.0		PROPOSED - Cap CIBP with 25 sks cmt at 6122'-6022'.		
Proposed Cement Plug	4,390.0	4,570.0		PROPOSED - Perf & Sqz 50 sks cmt at 4570'-4390'. WOC and Tag.		
Proposed Cement Plug	745.0	845.0		PROPOSED - Perf & Sqz 35 sks cmt at 845'-745'. WOC and Tag.		
Proposed Cement Plug	22.0	200.0		PROPOSED - Perf & Sqz 50 sks cmt at 200'-surface.		
Conductor Cement	22.0	52.0	CALC.	Cemented with Redi Mix concrete. No other details reported.		
Surface Casing Cement	22.0	792.0	Returns to Surface	Cemented with 700 sacks Class C cement; circulated 200 sacks of cement to surface.		
Intermediate Casing Cement	22.0	4,520.0	CALC.	Cemented with 1500 sacks Lite Wt. followed by 250 sacks Class C; circulated 500 sacks of cement to surface.		
Production1 Casing Cement	8,008.0	12,600.0	CALC.	Stage 1 cemented with 1050 sacks Class H cement; circulated 350 sacks of cement to surface.		
Production1 Casing Cement	4,100.0	8,008.0	CALC.	Stage 2 cemented with 1000 sacks Howco Lite followed by 200 sacks Class H. TOC at 4100' per Temperature Survey (9-24-1984).		
Production2 Casing Cement	12,377.0	15,388.0	TEMP LOG	Production liner cemented with 550 sacks. TOC at 12,337' calculated assuming a 6-1/4" hole, 1.18 yield/sack, and 50% efficiency.		
Cement Plug	15,388.0	15,500.0	TAGGED	Cement Fill		

**Well Name: BARCLAY FEDERAL 001 (GRAYBURG)**

AP/Well	Field Name	County	State/Province	Section	Township	Range	Grid
001	BARCLAY FEDERAL	GRAYBURG	NM	1	10	2	19N 10W 02E
Ground Elevation (ft)	Orig KB Elev (ft)	KB-Grd (ft)	Initial Spud Date	Rig Release Date	TD Date	Health	Operator
3,495.00	3,517.00	22.00	8/20/1984			19/10/00	CB

Original Hole, 2/13/2017 3:53:20 PM

**Original Hole Data**



Description	Top (ftKB)	Btm (ftKB)	Eval Method	Comment
Cement Plug	14,759.0	14,784.0	TAGGED	Set a 25' cement plug on CIBP. Date not reported.
Cement Plug	14,530.0	14,550.0	TAGGED	Set a 45' plug on CIBP.
Cement Plug	14,500.0	14,530.0	TAGGED	Set an additional 30' cement plug on CIBP.
Cement Squeeze	11,993.0	12,170.0	CALC.	Squeezed perforations from 11,993'- 12,170' with 150 sacks of cement.
Cement Plug	13,947.0	14,097.0	TAGGED	Spotted a 150' cement plug.
Cement Plug	11,549.0	11,649.0	TAGGED	Spotted a 200' cement plug.
Cement Plug	13,947.0	14,097.0	TAGGED	Set a 150' cement plug on packer.

Tubing Description	Set Depth	Run Date	Pull Date
Tubing - Production			

Top (ftKB)	Btm (ftKB)	Comment
200.0	200.0	
845.0	845.0	
4,570.0	4,570.0	
6,172.0	6,306.0	Perforated from 6172'- 6188' (9 holes) and 6302'- 6306' (6 holes).
6,480.0	6,508.0	Perforated from 6480'- 6508' with 1 spf.
6,854.0	7,077.0	Perforated from 6854'- 6866', 6960'- 6973', and 7071'- 7077' with 13 holes.
11,993.0	12,170.0	Perforated from 11,993'- 11,996', 12,026'- 12,034', and 12,150'- 12,170' with 4 spf and 120 deg phasing.
14,400.0	14,414.0	Perforated from 14,400'- 14,414'.
14,600.0	14,652.0	Perforated from 14,600'- 14,616' (55 shots), 14,633'- 14,636' (13 shots), and 14,642'- 14,652' (41 shots). 109 total shots.
14,818.0	14,832.0	Perforated from 14818'- 14832' with 4 spf at 1/2". 60 total holes.

Des	Top (ftKB)	Btm (ftKB)	Run Date	Com
CIBP	14,784.0	14,785.0	4/24/1995	Set date not reported.
CIBP	14,550.0	14,551.0	4/25/1995	Set 4-1/2" CIBP at 14,550'
Fish (Packer and Tubing)	14,314.0	14,344.0	2/18/1999	Packer set at 14,344'. Cut stuck tubing at 14,314'.
CIBP	6,122.0	6,123.0	2/9/2002	

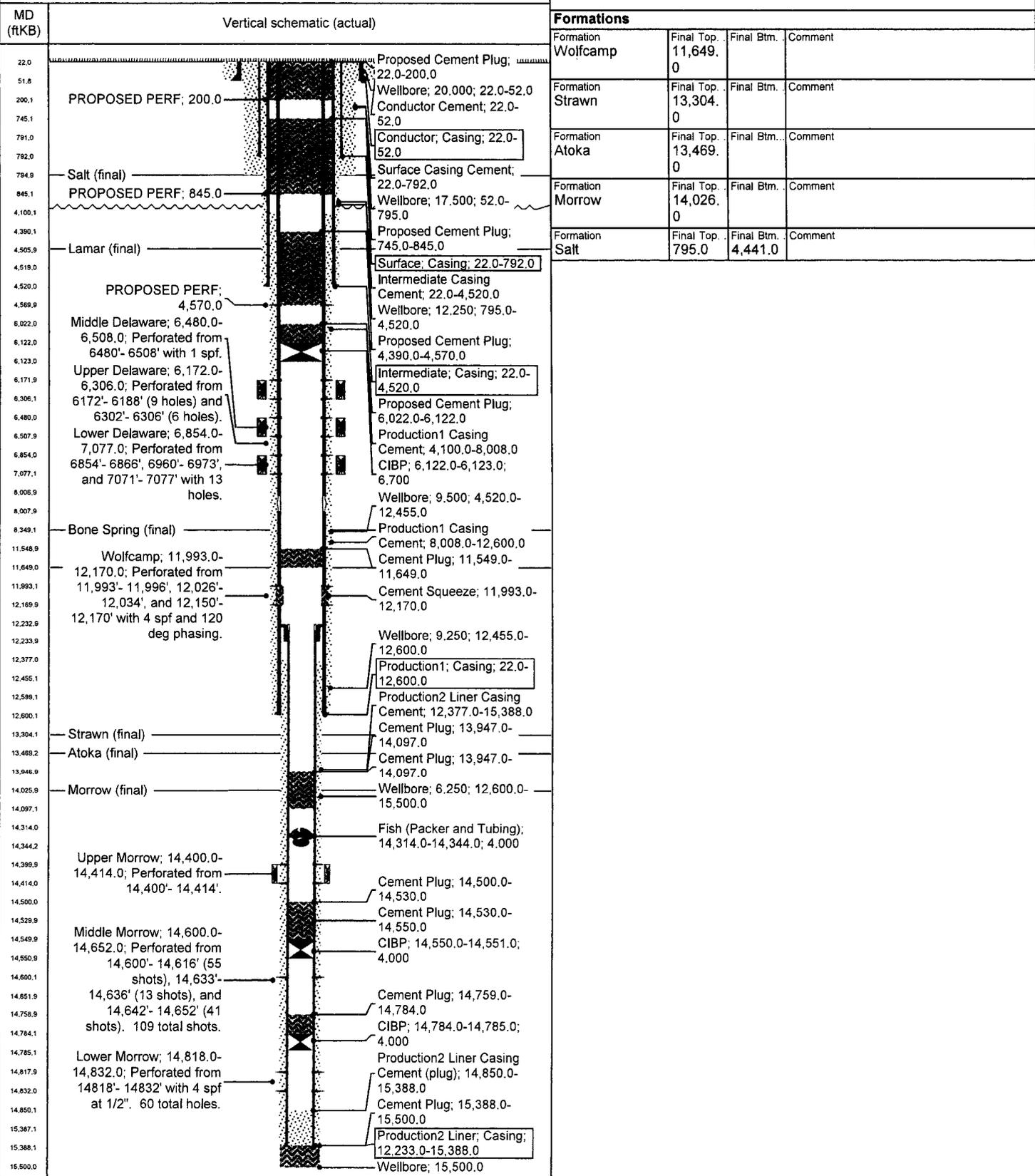
Formation	Final Top	Final Btm	Comment
Lamar	4,506.0		
Bone Spring	8,349.0		

**Well Name: BARCLAY FEDERAL 001 (GRAYBURG)**

AP/W/UV	Field Name	County	State/Province	Section	Township	Range	Survey	Block
3001524954	BNNM-PP-BARCLAY-SOUTH	Eddy	NM	1	0235	081E		
Ground Elevation (ft)	Orig KB Elev (ft)	KB-Grd (ft)	Initial Spud Date	Rig Release Date	TD Date	Latitude (N)	Longitude (W)	Depth (ft)
3,495.00	3,517.00	22.00	8/20/1984			32° 19' 40.904" N	108° 44' 02.611" W	15,500

Original Hole, 2/13/2017 3:53:20 PM

Original Hole Data



Hole Size 7 1/2

700 SXS Cement

TOC AT 5.00

13 3/8 Casing Size 772

Hole Size 12 1/2

1750 SXS Cement

TOC AT 5.00

10 3/8 Casing Size at 4520

Hole Size 9 1/2

2200 SXS Cement

TOC AT 4.00 Tangent

1200  
1200

7 5/8 Casing Size 12600

TD 12600

4 1/2 Liner 12350 - 12219

Operator Line Operator  
Well Name/No. Borehole  
API 2001574754  
662 N/D 170 E/D Sec. 1  
T 23 S, R 31 E Eddy CTY

R-III-P  
Secretary Polach  
C. 1/10  
LAC 1/10

Top Salt 850  
Base Salt 4076

FORMATIONS

Linas	4506
X BS	2347
F WX	11649
ST	13304
AT	12467
X 010	14722

CTB @ 800

DIT 8000

PERFORATIONS

- ① 11912 ABT 14425 502 C.M.R.
- ② 14400 Below 1500 14414 6.0 C.M.R.
- ③ 14600 6.0 14652 14.300 C.M.R.
- ④ 11993 502 12170 (w)
- ⑤ 7077 16.72 6220 12.100 (De)

④ 502  
- 12219

14784  
AK 20  
14550 James A. Amos  
662 575-234-5924  
② 575-361-2243  
14784 CR 4 25 ST cont ABTS 1475-

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 (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. Below Ground Level Cap (Lesser Prairie-Chicken Habitat): 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. Subsequent Plugging Reporting: 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. 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 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](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:

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