

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

DEC 16 2014

FORM APPROVED  
OMB No. 1004-0137  
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 page 2.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. <b>SF-078096</b>
2. Name of Operator <b>ConocoPhillips Company</b>		6. If Indian, Allottee or Tribe Name
3a. Address <b>PO Box 4289, Farmington, NM 87499</b>	3b. Phone No. (include area code) <b>(505) 326-9700</b>	7. If Unit of CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>Surface Unit I (NESE), 1333' FSL &amp; 670' FEL, Sec. 21, T31N, R11W</b>		8. Well Name and No. <b>Mudge B 100S</b>
		9. API Well No. <b>30-045-34876</b>
		10. Field and Pool or Exploratory Area <b>Basin Fruitland Coal</b>
		11. Country or Parish, State <b>San Juan, New Mexico</b>

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.)

**ConocoPhillips requests permission to P&A the subject well per the attached procedure, current and proposed wellbore schematics. The Pre-Disturbance Site Visit was held on 12/12/14 with Bob Switzer/BLM. The Re-Vegetation Plan is attached. A Closed Loop system will be used.**

OIL CONS. DIV DIST. 3

DEC 23 2014

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) <b>Dollie L. Busse</b>		Title <b>Staff Regulatory Technician</b>
Signature <i>Dollie L. Busse</i>		Date <i>12-16-14</i>

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by <b>Troy Salyers</b>	Title <b>PE</b>	Date <b>12/19/2014</b>
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 <b>FFO</b>	

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.

**ConocoPhillips**  
**MUDGE B 100S**  
**Expense - P&A**

Lat 36° 52' 51.265" N

Long 107° 59' 21.037" W

**PROCEDURE**

This project requires the use of an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.

1. Hold pre-job safety meeting. Comply with all NMOCD, BLM, and COP safety and environmental regulations. Test rig anchors prior to moving in rig. Before RU, run WL remove downhole equipment. If an obstruction is found, set a locking-3-slip-stop in the tubing. Notify NMOCD and BLM prior to conducting work.

2. MIRU workover rig. Check casing, tubing, and bradenhead pressures and record them in WellView. If there is pressure on the BH, contact the Wells Engineer.

3. Remove existing piping on casing valve. RU blow lines from casing valves and begin blowing down casing pressure. Kill well as necessary. Ensure well is dead or on a vacuum.

4. ND wellhead and NU BOPE. Pressure and function test BOP to 250 psi low and 1000 psi over SICP high to a maximum of 2000 psi held and charted for 10 minutes per COP Well Control Manual. PU and remove tubing hanger.

5. TOOH with tubing (per pertinent data sheet).

Tubing size: 2-3/8" 4.7# J-55 EUE                      Set Depth: 2467 ftKB                      KB: 11 ft

6. PU 3-7/8" bit and watermelon mill and round trip as deep as possible above top perforation @ 2200'.

7. PU 4-1/2" CR on tubing, and set @ 2150'. Pressure test tubing to 1000 psi. Sting out of CR. Load hole, and pressure test casing to 800 psi. If casing does not test, then spot or tag subsequent plugs as appropriate. POOH w/ tubing.

Note: CBL was run on August 9, 2009 showing good cement to surface. ✓

All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Class B mixed at 15.6 ppg with a 1.18 cf/sk yield.

*See COA*

**8. Plug 1 (Pictured Cliffs Formation, perforations, and Fruitland Formation, 2050-2150', 12 Sacks Class B Cement)**

Mix 12 sx Class B cement and spot a balanced plug inside the casing to cover the Fruitland top. PUH.

**9. Plug 2 (Kirtland and Ojo Alamo Formations, 770-961', 19 Sacks Class B Cement)**

Mix 19 sx Class B cement and spot a balanced plug inside the casing to cover the Kirtland and Ojo Alamo tops. PUH.

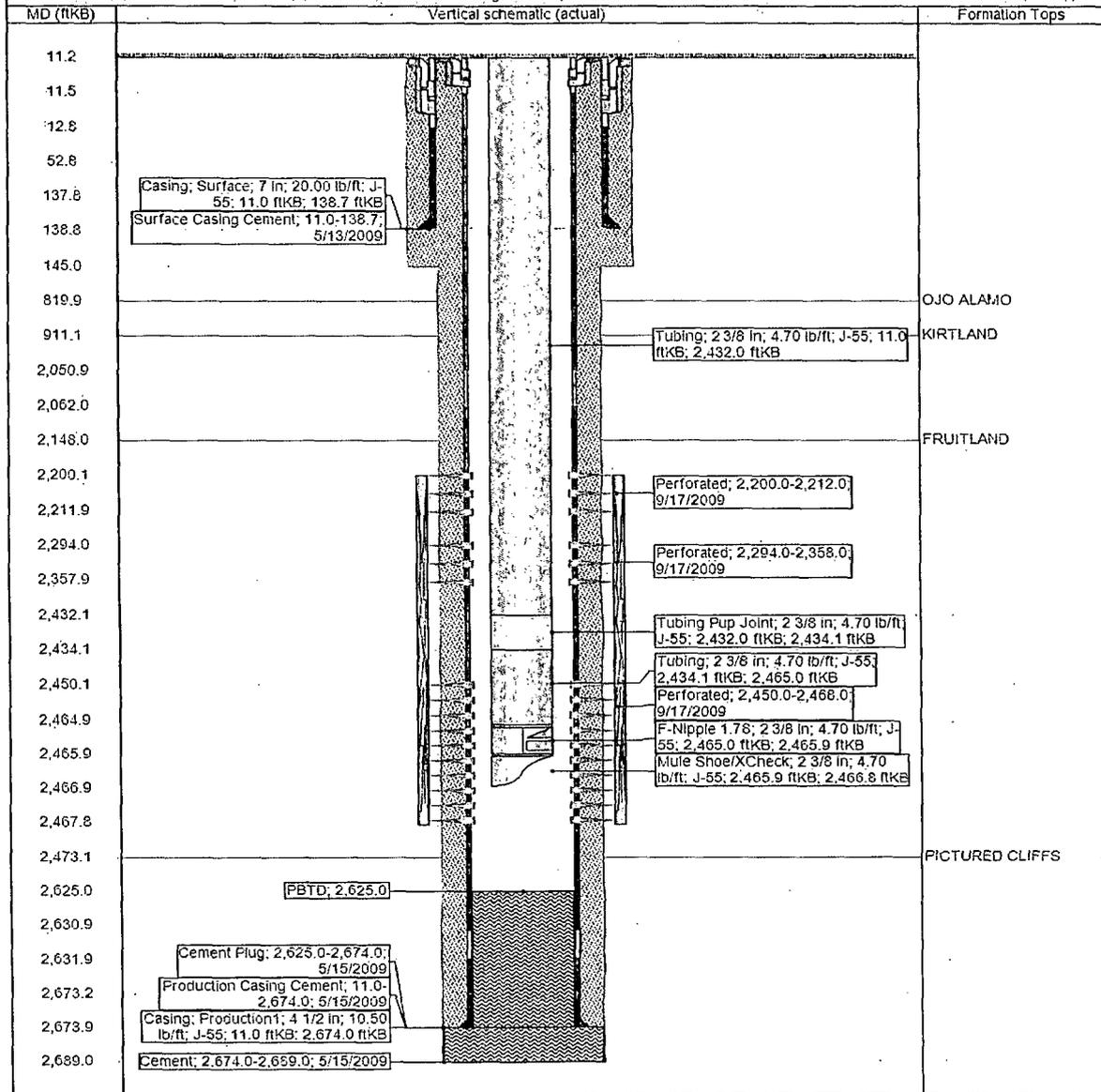
**10. Plug 3 (Surface Plug, 0-189', 19 Sacks Class B Cement)**

Connect the pump line to the bradenhead valve and attempt to pressure test the BH annulus to 300 psi. Note the volume to load. If the BH annulus holds pressure, then establish circulation out casing valve with water. Mix 19 sx Class B cement and spot balanced plug inside casing from 189' to surface, circulating good cement out casing valve. TOOH and LD tubing. SI well and WOC. If the BH annulus does not test, then perforate at the appropriate depth and attempt to circulate cement to surface, filling the casing and the BH annulus to surface. Shut well in and WOC.

11. Nipple down BOP and cut off casing below the casing flange. Install P&A marker with cement to comply with regulations. Rig down, move off location, cut off anchors, and restore location.

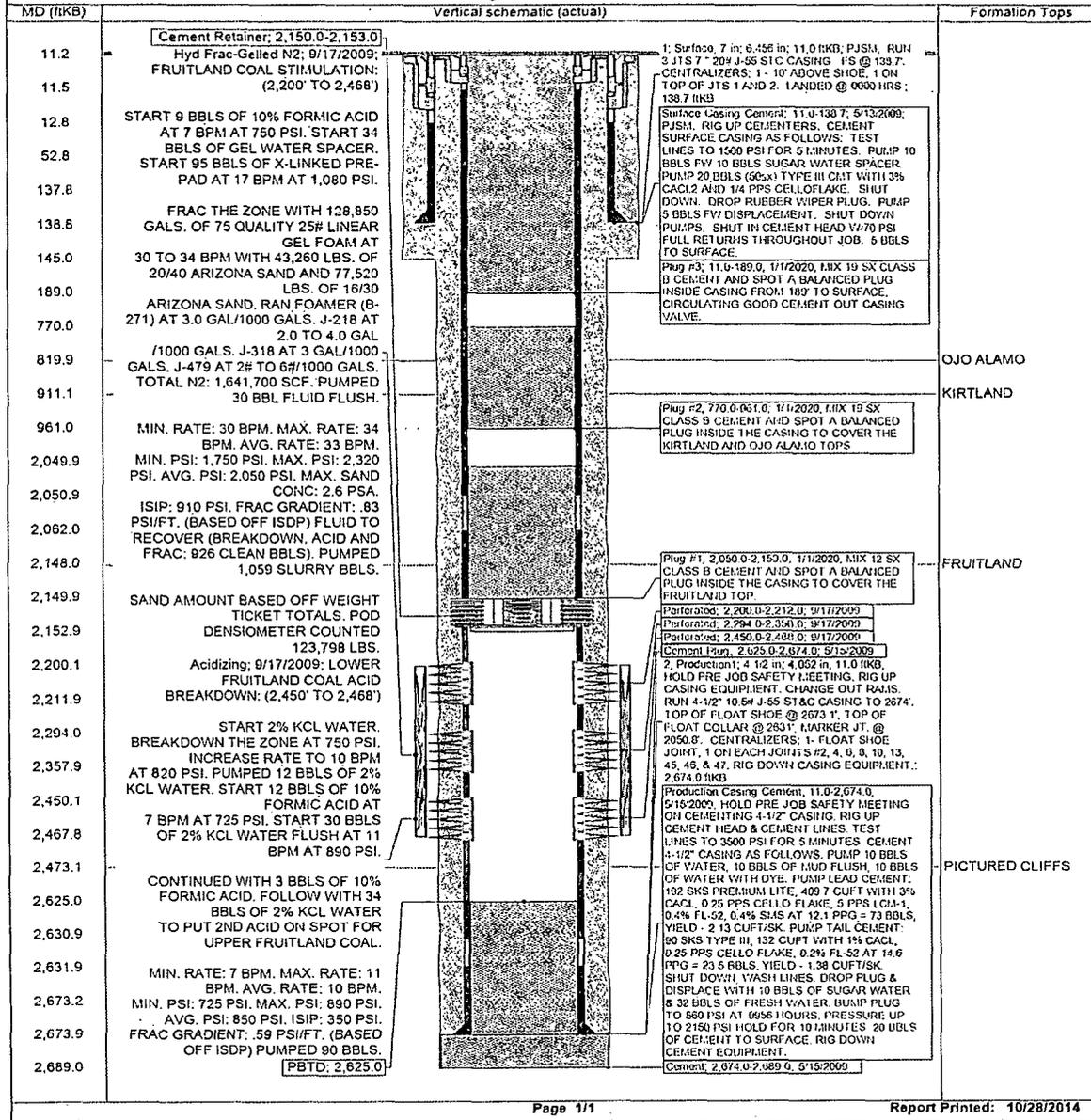
District NORTH	Field Name BASIN FRUITLAND COAL	API / UWI 3004534876	County SAN JUAN	State/Province NEW MEXICO
Original Spud Date 5/12/2009	Surface Legal Location 021-031N-011W-4	East/West Distance (ft) 670.00	East/West Reference FEL	North/South Distance (ft) 1,333.00

VERTICAL - Original Hole, 10/26/2014 6:11:27 AM



District NORTH	Field Name BASIN FRUITLAND COAL	API / UWI 3004534876	County SAN JUAN	State/Province NEW MEXICO
Original Spud Date 5/12/2009	Surface Legal Location 021-031N-011W-1	East/West Distance (ft) 670.00	East/West Reference FEL	North/South Distance (ft) 1,333.00
		North/South Reference FSL		

#### VERTICAL - Original Hole, 1/1/2020 1:00:00 AM



United States Department of the Interior  
Bureau of Land Management

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Re-vegetation Plan

Mudge B 100S

12/16/14

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U.S. Department of the Interior  
Bureau of Land Management  
Farmington District  
Farmington Field Office  
6251 N. College Blvd., Ste. A  
Farmington, NM 87402  
Phone: (505) 564-7600  
FAX: (505) 564-7608



BLM

# TABLE OF CONTENTS

1.	Introduction .....	3
1.1.	Project Information.....	3
1.2.	Conformance with Bare Soil Reclamation Procedures .....	3
2.	Project Description.....	4
2.1.	Vegetation Community .....	4
2.2.	Pre-Plug and Abandonment Weed Survey.....	4
2.3.	Final Reclamation Soil Evaluation .....	4
3.	Reclamation Techniques for successful re-vegetation.....	4
3.1.	Topsoil Replacement.....	4
3.2.	Water Management/Erosion Control Features.....	4
3.3.	Seedbed Preparation.....	5
3.4.	Soil Amendments.....	5
3.5.	Seeding.....	5
3.6.	Mulching .....	5
3.7.	Noxious and Invasive Weed Control .....	6
4.	Monitoring requirements .....	7
4.1.	Attainment of Vegetation Reclamation Standards.....	7
4.2.	Final Abandonment.....	7
5.	References .....	8
Appendix A:	Seed pick list.....	9
Appendix B:	Weed Survey .....	10
Appendix C:	Reclamation Re-Contour Plan.....	11

# 1. INTRODUCTION

## 1.1. Project Information

**Applicant:** ConocoPhillips

**Project Type (Well, Access Road, Pipeline, Facility, etc.):** Well, Access Road, Pipeline

**Well, Oil and Gas Lease, or Right-of-Way (ROW) Name:** Mudge B 100S

**Legal Location: (Quarter/ Quarter Section, Township, Range, County, State):** UL I (NESE), Sec. 21, T31N, R11W  
San Juan County, NM

**Lease Number:** SF-078096

**Application for Permit to Drill (APD) Approval Date:** 2/23/09

## 1.2. Conformance with Bare Soil Reclamation Procedures

This reclamation plan has been prepared to meet the requirements and guidelines of the Bureau of Land Management (BLM) Farmington Field Office (FFO) Bare Soil Reclamation Procedures (BLM 2013a) and Onshore Oil and Gas Order No. 1.

The ConocoPhillips contact person for this reclamation plan is:

**Name:** Mike Smith  
**Title:** Projects Lead  
**Company:** Burlington Resources  
**Address 1:** 3401 E. 30<sup>th</sup> Street, Farmington, NM 87402  
**Address 2:** P.O. Box 4289, Farmington, NM 87499  
**Phone:** 505-599-3424

### 1.2.1. *Vegetation Reclamation Procedure C*

Completion of a Vegetation Reclamation Plan in accordance with Procedure C of the BLM/FFO Bare Soil Reclamation Procedures is required for surface disturbing actions, grants, or permits authorized by the BLM/FFO resulting in bare mineral soil **across an area greater than 0.1 acre.**

### 1.2.2. *Revision of the Reclamation Plan*

ConocoPhillips may submit a request to the BLM/FFO to revise the Reclamation Plan at any time during the life of the project in accordance to page 44 of the Gold Book (USDI-USDA 2007). ConocoPhillips will utilize the Sundry Notices and Reports on Wells Form 3160-5, and include justification for the revision request.

## 2. PROJECT DESCRIPTION

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It was recommended to P&A this well since the reservoir is nearly depleted and a typical remedial project would not be economical.

### 2.1. Vegetation Community

A pre-plug-and-abandonment site visit was held with the BLM/FFO and ConocoPhillips, on 12/12/14. During this site visit, of the eight most common BLM/FFO vegetation communities, it was determined that Badlands Vegetation Community best represents the project area. A detailed description of this vegetation community is available on the New Mexico BLM web page ([http://www.blm.gov/nm/st/en/fo/Farmington\\_Field\\_Office/ffo\\_planning/surface\\_use\\_plan\\_of.html](http://www.blm.gov/nm/st/en/fo/Farmington_Field_Office/ffo_planning/surface_use_plan_of.html)).

During the site visit, all participants agreed that grazing was not anticipated to be an issue. The plant species that were picked during the onsite from the Badlands Seed List is found in Appendix A.

### 2.2. Pre-Plug and Abandonment Weed Survey

During the pre-plug-and-abandonment site visit, the proposed action area was surveyed for noxious weeds listed on the New Mexico Department of Agriculture's A and B list. The completed weed survey is found in Appendix B.

The survey found no noxious weeds within the proposed project site. The Onsite Noxious Weed form was completed, signed by the BLM/FFO representative and the ConocoPhillips Representative, and submitted to the BLM/FFO weed coordinator.

### 2.3. Final Reclamation Soil Evaluation

The BLM/FFO representative and the ConocoPhillips Representative have collaboratively decided at the pre-plug-and-abandonment site visit that no soil testing is necessary for the proposed project area.

## 3. RECLAMATION TECHNIQUES FOR SUCCESSFUL RE-VEGETATION

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### 3.1. Topsoil Replacement

Topsoil and sub-surface soils will be replaced in the proper order prior to final seedbed preparation. The topsoil on location is sandy shale. It will be stripped and the fill put back in original cut.

### 3.2. Water Management/Erosion Control Features

The BLM/FFO representative and the ConocoPhillips representative will collaborate to develop site-specific erosion control or water management features and to identify installation locations. Erosion control or water management features that may be used include (but are not limited to) sediment basins or sediment traps, silt fencing, erosion control blankets or geotextiles, and straw wattles.

### **3.3. Seedbed Preparation**

For cut-and-fill slopes, initial seedbed preparation will consist of backfilling and recontouring to achieve the configuration shown on the onsite reclamation re-contour plan in Appendix C. Disturbed areas will be recontoured to blend with the surrounding landscape, emphasizing restoration of the existing drainage patterns and landform to pre-construction conditions, to the extent practical.

Following final contouring, the backfilled or ripped surfaces will be covered evenly with stockpiled topsoil. Final seedbed preparation will consist of raking or harrowing the topsoil prior to seeding to promote a firm – but not compacted – seedbed, without surface crusting.

Seedbed preparation for compacted areas will be ripped to a minimum depth of twelve (12) inches, with a maximum furrow spacing of two (2) feet. Where practical, ripping will be conducted in two passes at perpendicular directions. Disking will be conducted if large clumps or clods remain after ripping. Any tilling or disking will occur along the contour of the slope. Seed drills also will run along the contour to provide terracing and prevent rapid runoff and erosion. If broadcast seeding is used, a dozer or other tracked equipment shall track perpendicular to the slope prior to broadcast seeding.

### **3.4. Soil Amendments**

Based on information gathered at the onsite inspection and as a result of any soil testing conducted for the proposed project area, the ConocoPhillips representative and the FFO representative have jointly decided that no soil amendments will be used during reclamation of the proposed project area.

### **3.5. Seeding**

The seed pick list mix chosen for this project area is attached. Seeding will occur after facility set or within 180 days after earthwork is approved for optimal seeding conditions.

A seed drill or modified rangeland drill that allows for seeding species from different seed boxes at different planting depths will be used to seed the disturbed areas of the site. ConocoPhillips or its reclamation subcontractor will ensure that perennial grasses and shrubs are planted at the appropriate depth. Intermediate size seeds such as wheatgrasses and shrubs will be planted at a depth of 0.5 inches, larger seeds such as Indian ricegrass at 1 to 2 inches, and small seeds such as alkali sacaton and sand dropseed will be planted at a depth of 0.25 inches. In situations where differing planting depths are not practicable with the equipment being used, the entire mix will be planted no deeper than 0.25 inch. Drill seeding may be used on well-packed and stable soils on gentler slopes where tractors and drills are safely able to operate.

Where drill seeding is not practicable due to topography, the contractor will hand-broadcast seed using a "cyclone" hand seeder or similar broadcast seeder. Broadcast application of seed requires a doubling of the drill seeding rate. The recommended drill seeding rate is provided in Table A-3. Seed will then be raked-in so that it is planted no deeper than 0.25-inch below the surface.

### **3.6. Mulching**

Mulch will be applied within the 24 hour period following completion of seeding. Mulching shall consist of crimping certified weed-free straw or certified weed-free native grass hay into the soil.

Straw or native grass hay mulch can be applied by hand broadcasting or blowing to a uniform depth of 2 to 3 inches, equivalent to a rate of about 2 tons per acre (one 74-pound bale per 800 square feet). When applied properly, approximately 20 to 40 percent of the original ground surface can be seen.

Straw or native grass hay mulch will then be anchored using one of the following methods:

- **Hand Punching**—a spade or shovel is used to punch straw into the soil at 12-inch intervals until all areas have straw standing perpendicularly to the slope and embedded at least 4-inches into the soil.
- **Roller Punching**—a roller equipped with straight studs not less than 6-inches long, from 4- to 6-inches wide and approximately 1-inch thick is rolled over the area spread with mulch.
- **Crimper Punching**—like roller punching, the crimper has serrated disk blades about 4-to 8-inches apart, which force the mulch into the soil. Crimping should be done in two directions with the final pass across the slope.

Mulch applications in extremely clayey soils should be evaluated carefully to avoid developing an adobe mixture. In these cases, a soil amendment may prove more beneficial.

### **3.7. Noxious and Invasive Weed Control**

Should noxious or invasive weeds be documented after earthwork and seeding activities, the BLM/FFO weed coordinator will provide ConocoPhillips with specific requirements and instructions for weed treatments, including the time frame of treatment, approved herbicides that may be used, required documentation to be submitted to the BLM/FFO after treatment, and any other site specific instructions that may be applicable.

## 4. MONITORING REQUIREMENTS

Per BLM/FFO Procedures - Procedure C guidelines: The Permit or Grant Holder is not required to monitor areas reclaimed under Vegetation Reclamation Procedure C. The Permit or Grant Holder is required to document to the BLM FFO that areas vegetated under the Vegetation Reclamation Procedure C have attained the vegetation percent cover standard for the Badlands Vegetation Community in order to prove a successful reclamation for receipt of a FAN or relinquishment from the BLM/FFO.

### 4.1. Attainment of Vegetation Reclamation Standards

Each of the eight BLM/FFO vegetation communities included in the BLM/FFO Procedures has been assigned a vegetation percent cover standard for plant species classified as non-invasive/desirable and plant species classified as invasive/undesirable. The vegetation percent cover standard for non-invasive/desirable plant species within the Badlands Vegetation Community is equal to or greater than 20% Badlands. The vegetation percent cover standard for invasive/undesirable plant species is equal to or less than 10%. Per BLM/FFO Procedures, this vegetation percent cover standard must be attained before the BLM/FFO will issue a FAN or a relinquishment for the Mudge B 100S.

If earthwork associated with final abandonment activities results in 0.1 acre or more of bare soil, ConocoPhillips will follow the reclamation procedures outlined in this plan.

If, during the reclamation process, a reclaimed area has not met the vegetation percent cover standard, a conference will be held with ConocoPhillips, the BLM/FFO, and any other effected parties to analyze the issues affecting reclamation success. This process (including reclamation exception requests) is outlined in the BLM/FFO Procedures.

### 4.2. Final Abandonment

The permit holder is not responsible for achieving full ecological reclamation of bare soil resulting from an authorized action. Instead, the permit holder is responsible for achieving the short-term stability, visual, hydrological, and productivity objectives of the FFO. The performance-based revegetation standards focus on using the desired end condition as the ultimate determinant of acceptable vegetation productivity. The attainment of the vegetation percent cover standards will fulfill the productivity objective of the FFO and contribute to the stability of the site.

Data collected from reading the line point intercept transect will be used to quantitatively document that the percent foliar cover vegetative standards established for the site have been attained. Once it has been determined that the percent foliar cover standard has been attained, a request for concurrence will be submitted to the FFO. The request for concurrence will include transect data sheets and photos taken from all the initial photo points established in the initial monitoring report. The FFO will review the request and either approve or deny the request within 60 days. If the FFO denies the request, the FFO may initiate a site inspection within 60 days of the denial to analyze the site and determine if remedy actions may be appropriate.

The project proponent will follow the Vegetation Reclamation Procedure C as detailed in the Farmington Field Office Bare Soil Reclamation Procedures (BLM 2013b). The percent cover standards listed previously must be attained prior to FFO approval of final abandonment, or an exception must be granted from FFO (per section 3.3.9).

## 5. REFERENCES

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43 CFR Part 3160, "Onshore Oil and Gas Order No. 1; Onshore Oil and Gas Operations; Federal and Indian Oil and Gas Leases; Approval of Operations," 72 Federal Register 44 (07 March 2007), pp. 10328-10338.

BLM. 2013a. Farmington Field Office Bare Soil Reclamation Procedures. Available at: [http://www.blm.gov/pgdata/etc/medialib/blm/nm/field\\_offices/farmington/farmington\\_planning/surface\\_use\\_plan\\_of.Par.69026.File.dat/FFO%20Bare%20Soil%20Reclamation%20Procedures%202-1-13.pdf](http://www.blm.gov/pgdata/etc/medialib/blm/nm/field_offices/farmington/farmington_planning/surface_use_plan_of.Par.69026.File.dat/FFO%20Bare%20Soil%20Reclamation%20Procedures%202-1-13.pdf). Accessed February 2013.

BLM. 2013b. Updated Reclamation Goals. Available at: [http://www.blm.gov/nm/st/en/fo/Farmington\\_Field\\_Office/ffo\\_planning/surface\\_use\\_plan\\_of/updated\\_reclamation.html](http://www.blm.gov/nm/st/en/fo/Farmington_Field_Office/ffo_planning/surface_use_plan_of/updated_reclamation.html). Accessed February 2013.

U.S. Department of the Interior - U.S. Department of Agriculture (USDI-USDA). 2007. Surface Operating Standards and Guidelines for Oil and Gas Exploration and Development. BLM/WO/ST-06/021+307/REV 07. Bureau of Land Management. Denver, Colorado. 84 pp.

APPENDIX A: SEED PICK LIST

\* Badland - Reclamation Goal: Native/Desirables ≥ 20%

Common Name	Scientific Name	Season	Form
Pick 2			
Four wing saltbush	<i>Atriplex canescens</i>	C	S
Shadscale saltbush	<i>Atriplex confertifolia</i>	C	S
Whiterfat	<i>Krascheninnikovia lanata</i>	C	S
Mormon tea	<i>Ephedra viridis</i>		S
Pick 4			
Indian ricegrass	<i>Achnatherum hymenoides</i>	C	B
Alkali sacaton	<i>Sporobolus airoides</i>	W	B
Bottlebrush squirreltail	<i>Elymus elymoides</i>	C	B
Sand dropseed	<i>Sporobolus cryptandrus</i>	W	B
Blue grama	<i>Bouteloua gracilis</i>	W	B
James' galleta	<i>Pleuraphis jamesii</i>	W	B / Sod
Siberian wheatgrass	<i>Agropyron fragile</i>	C	B
Pick 1			
Smallflower globemallow	<i>Sphaeralcea parvifolia</i>	W	F
Narrowleaf penstemon / broadbeard beardtongue	<i>Penstemon angustifolius</i>	C	F

Mixed Mountain Shrubland (Oak) - Reclamation Goal: Native/Desirables ≥ 35%

Common Name	Scientific Name	Season	Form
Pick 2			
Mountain mahogany	<i>Cercocarpus montanus</i>	C	S
Utah serviceberry	<i>Amelanchier utahensis</i>	C	S
Antelope bitterbrush	<i>Purshia tridentata</i>	C	S
Pick 1			
Slender wheatgrass	<i>Elymus trachycaulis</i>	C	B
Western wheatgrass	<i>Pascopyrum smithii</i>	C	Sod
Pick 2			
Prairie junegrass	<i>Koeleria macrantha</i>	C	B
Arizona fescue	<i>Festuca arizonica</i>	C	B
Muttongrass	<i>Poa fendleriana</i>	C	B
Pick 1			
Blue grama	<i>Bouteloua gracilis</i>	W	B
Indian ricegrass	<i>Achnatherum hymenoides</i>	C	B
Pick 2			
Sulphur-flower buckwheat	<i>Eriogonum umbellatum</i>	W	F
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	W	F
Utah sweetvetch	<i>Hedysarum boreale</i>	W	F
Small burnet	<i>Sanguisorba minor</i>	C	F

Ponderosa Pine - Reclamation Goal: Native/Desirables ≥ 30%

Common Name	Scientific Name	Season	Form
Pick 4			
Bottlebrush squirreltail	<i>Elymus elymoides</i>	C	B
Western wheatgrass	<i>Pascopyrum smithii</i>	C	B
Prairie junegrass	<i>Koeleria macrantha</i>	C	B
Muttongrass	<i>Poa fendleriana</i>	C	B
Blue grama	<i>Bouteloua gracilis</i>	W	B
Arizona fescue	<i>Festuca arizonica</i>	C	B
Pick 1			
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	W	F
Utah sweetvetch	<i>Hedysarum boreale</i>	W	F
Pick 1			
Mountain mahogany	<i>Cercocarpus montanus</i>	C	S
Antelope bitterbrush	<i>Amelanchier utahensis</i>	C	S
Utah serviceberry	<i>Purshia tridentata</i>	C	S

APPENDIX B: WEED SURVEY

## Onsite Noxious Weed Form

If noxious weeds are found during the onsite, fill out form and submit to FFO weed coordinator

Operator ~~Bob~~ BURLINGTON Resurveyor(s) SAMUEL JAGGER

Well Name and Number MUDGE B 1005 Date 12-12-2014

Location: Township, Range, Section T 31N R 11W SEC 21

Location of Project NAD 83 Decimal Degrees \_\_\_\_\_

### Class A Noxious Weed – Check Box if Found

	Alfombrilla		Diffuse knapweed		Hydrilla		Purple starthistle		Yellow toadflax
	Black henbane		Dyer's woad		Leafy spurge		Ravenna grass		
	Camelthorn		Burashan watermilfoil		Oxeye daisy		Scotch thistle		
	Canada thistle		Giant salvinia		Patriotfeather		Spotted knapweed		
	Dalmatian toadflax		Hoary cress		Purple loosestrife		Yellow starthistle		

### Class B Noxious Weed – Check Box if Found

	African rue		Perennial pepperweed		Russian knapweed		Tree of heaven
	Chicory		Musk thistle		Poison hemlock		
	Halogeton		Malta starthistle		Teasel		

Comments:

NONE FOUND

FFO Representative: \_\_\_\_\_  
sign and date

Operator Representative: \_\_\_\_\_  
sign and date

Bob Switzer, BLM

[Signature]

APPENDIX C: RECLAMATION RE-CONTOUR PLAN

# Re-Contour Location Plan

Well Name: MUDGE B 1005

Drafted by COP Rep:

SAMUEL JAQUER

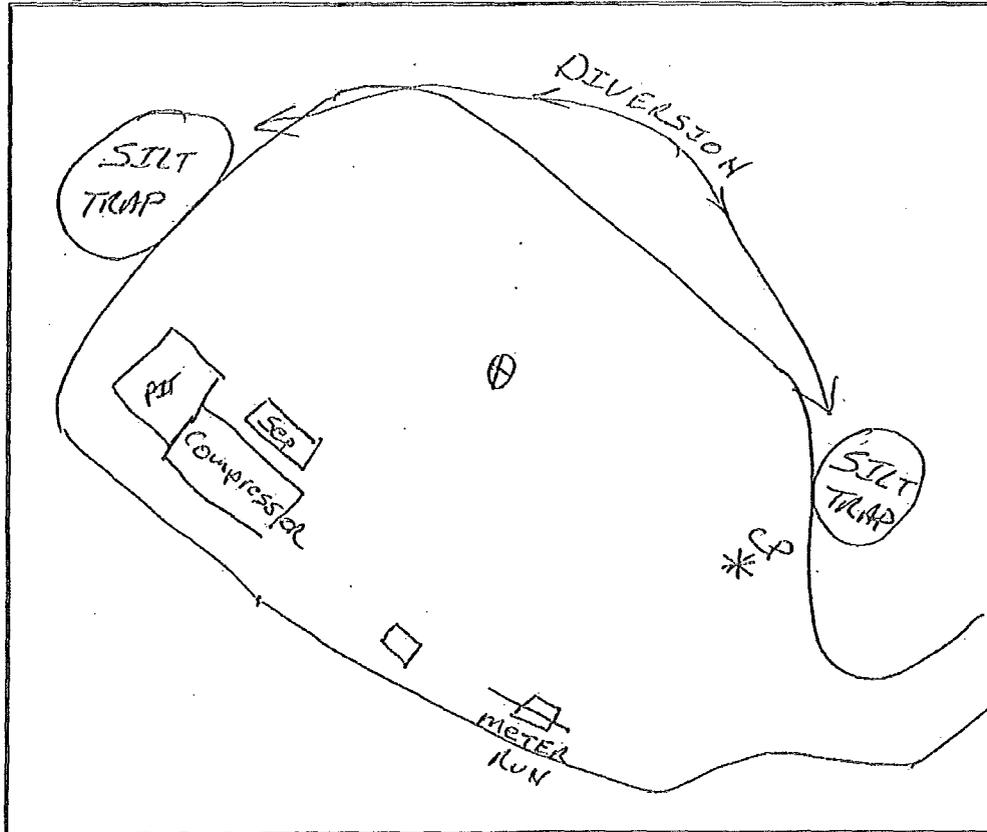
Approved by BLM FFO Rep:

North Arrow



Date: 12-12-2014

Site Diagram:



Re-Contour Details:

REMOVE CMP & PUSH BACK SOIL IN ROAD TO CUTS  
STRIP TOP SOIL & STACK

P&A Field Inspection Sheet

Date 12-12-2014

Specialist Swisher

Operator CONOCO PHILLIPS

Well Name & Number MUDGE B 100S

API Number \_\_\_\_\_

Section 21 Township 31N Range 11W

Lease Number \_\_\_\_\_

Footage 1333 FSL & 670 FEL

Surface:  BLM  BOR  State

County SAN JUAN State NM

Twinned:  Yes  No

Well pad

Topography ROLLING SANDY SHALE HILLS Stockpile Topsoil  Yes  No

Soil Type SANDY SHALE

Vegetation Community BOULDER

1. FOUR WING SALT BUSH
2. WINTER FAT
3. INDIAN RICE GRASS
4. ALKALI SACATON
5. SAND DROPSEED
6. JAMES GALLETA
7. SMALL FLOWER GLOBE MALLOW

Vegetation Cages:  Yes  No

Facilities on Location:  Tanks,  Meter Runs,  Separators,  Compressor,  Day tanks, Pipeline Riser  Yes  No

Gravel Present:  Yes  No Bury  Yes  No Main Road \_\_\_\_\_

Steel Pits: Above Grade/ Below Grade: Where on Location \_\_\_\_\_

Cathodic Groundbed on Location:  Yes  No In Service  Yes  No Abandoned  Yes  No Plugged  Yes  No

Remove Wire  Remove Rectifier

Trash on Location  Yes  No Power Poles Present  Yes  No Remove Power Poles  Yes  No

Construct Diversion Ditch  Above  Below  Around

\_\_\_\_\_ side draining \_\_\_\_\_

Contaminated Soil Present:  Yes  No

\_\_\_\_\_ side draining \_\_\_\_\_

Remove:  Yes Where on Location \_\_\_\_\_

Construct Silt Trap (s) AT CORNER #6 & #4

Re-contour Disturbed Areas to Natural Terrain:  Yes  No

Special Features \_\_\_\_\_

Location & Access Barricade  Yes  No How FENCE AT BEGINNING OF CLOSED ACCESS

Construction Comments/Concerns HEAVY CUTS WILL NEED 300 HP DOZER

Access Road

Access Length 600' Remediation Methods:  RIP  Disk  Water Bars  Re-establish Drainages,

Other PUSH BACK CUTS REMOVE CMP

Access Condition  Below grade  Above grade  Other \_\_\_\_\_

Culverts:  Yes  No Cattle Guard:  Yes  No Reconstruct Fence:  Yes  No Surfacing Material:  Yes  No

What to do w/ Material BURY GRAVEL IN CUT

Road Comments/ Concerns \_\_\_\_\_

Pipeline

Pipeline Company: Enterprise, Williams, Other \_\_\_\_\_

Location P/L: Where \_\_\_\_\_

Relocate Riser  Yes  No Where \_\_\_\_\_

Pipeline Length \_\_\_\_\_ Remediation Methods \_\_\_\_\_

.99 or > Acres of disturbance- Need SUPO:  Yes

Comments/ Concerns \_\_\_\_\_

Grazing

Grazing Permittee \_\_\_\_\_

Type of Grazing (cattle/sheep) \_\_\_\_\_

Season of Use \_\_\_\_\_

Operator's Representative \_\_\_\_\_

Pipeline Rep \_\_\_\_\_

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
FARMINGTON DISTRICT OFFICE  
6251 COLLEGE BLVD.  
FARMINGTON, NEW MEXICO 87402

Attachment to notice of  
Intention to Abandon:

Re: Permanent Abandonment  
Well: Mudge B #100S

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.
3. The following modifications to your plugging program are to be made:
  - a) Bring the top of plug #1 to 2027 ft. to cover the Pictured Cliffs and Fruitland tops. Adjust cement volume accordingly.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.