Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
Feb 25 2015
Farmington Field Office
Bureau of Land Management

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: [ ] Oil Well [X] Gas Well [ ] Other | 5. Lease Serial No. **SF-078740** |
| | 6. If Indian, Allottee or Tribe Name |
| | 7. If Unit of CA/Agreement, Name and/or No. **San Juan 30-5 Unit** |
| | 8. Well Name and No. **San Juan 30-5 Unit 223A** |
| 2. Name of Operator **ConocoPhillips Company** | 9. API Well No. **30-039-27813** |
| 3a. Address **PO Box 4289, Farmington, NM 87499** / 3b. Phone No. (include area code) **(505) 326-9700** | 10. Field and Pool or Exploratory Area **Basin FC** |
| 4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* **Surface UL P (SESE), 1300' FSL & 815' FEL, Sec. 20, T30N, R5W** | 11. Country or Parish, State **Rio Arriba , New Mexico** |

KR

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|---|---|---|---|---|
| [X] Notice of Intent | [ ] Acidize | [ ] Deepen | [ ] Production (Start/Resume) | [ ] Water Shut-Off |
| | [ ] Alter Casing | [ ] Fracture Treat | [ ] Reclamation | [ ] Well Integrity |
| [ ] Subsequent Report | [ ] Casing Repair | [ ] New Construction | [ ] Recomplete | [ ] Other |
| | [ ] Change Plans | [X] Plug and Abandon | [ ] Temporarily Abandon | |
| [ ] Final Abandonment Notice | [ ] Convert to Injection | [ ] Plug Back | [ ] 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 Company requests permission to P&A the subject well bore per the attached procedure, current & proposed well bore schematics. The Pre P&A onsite was held on 2/18/15 w/ Bob Switzer. No reclamation will be performed at this time as this well is twinned with the SJ 30-5 Unit 48N. Reclamation will occur when the twinned location is P&A'd. A closed loop system will be utilized for this P&A.

RECEIVED
MAR 10 2015
NMOCD
DISTRICT

**SEE ATTACHED FOR CONDITIONS OF APPROVAL**

**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**

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*

**Kenny Davis** Title **Staff Regulatory Technician**

Signature Date **2/25/2015**

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

Approved by Troy Salyers Title PE Date 3/6/2015

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 FFO

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. NMOCD

(Instruction on page 2)

9 KC

# ConocoPhillips
## SAN JUAN 30-5 UNIT 223A
### Expense - P&A

**Lat 36° 47' 39.959" N** **Long 107° 22' 25.82" 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 COPC safety and environmental regulations. Test rig anchors prior to moving in rig.

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. TOOH w/ rod string and LD (per pertinent data sheet).
**Size:** 3/4" **Set Depth:** 3,246'

5. 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 as per COP Well Control Manual. PU and remove tubing hanger

6. TOOH with tubing (per pertinent data sheet).
**Tubing size:** 2-7/8", 6.5 ppf J-55 **Set Depth:** 3,256' **KB:** 13'

7. PU 6-1/4" bit and watermelon mill and round trip as deep as possible above casing shoe at 3,077'.

8. PU 7" CR on tubing, and set at 3,022'. 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.

9. RU wireline and run CBL with 500 psi on casing from CR to surface to identify TOC. *Adjust plugs as necessary for new TOC. Email log copy to Troy Salyers (BLM) at tsalyers@blm.gov and Brandon Powell (NMOCD) at brandon.powell@state.nm.us upon completion of logging operations.*

**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.**

**10. Plug 1 (Casing Shoe, Open-Hole Completion, and Pictured Cliffs Formation Top, 2,922-3,022', 30 Sacks Class B Cement)**

Mix 30 sx Class B cement and spot a balanced plug inside the casing to cover the casing shoe, open-hole completion, and Pictured Cliffs formation top. PUH.

See COA

**11. Plug 2 (Fruitland, Kirtland, and Ojo Alamo Formation Tops, 2,462-2,881', 91 Sacks Class B Cement)**
Mix 91 sx Class B cement and spot a balanced plug inside the casing to cover the Fruitland, Kirtland, and Ojo Alamo formation tops. PUH.

See COA

**12. Plug 3 (Nacimiento Formation Top, 1,290-1,390', 30 Sacks Class B Cement)**
Mix 30 sx Class B cement and spot a balanced plug inside the casing to cover the Nacimiento formation top. PUH.

**13. Plug 4 (Surface Casing Shoe and Surface, 0-282', 65 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 65 sx Class B cement and spot balanced plug inside casing from 282' 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.

14. 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.

ConocoPhillips

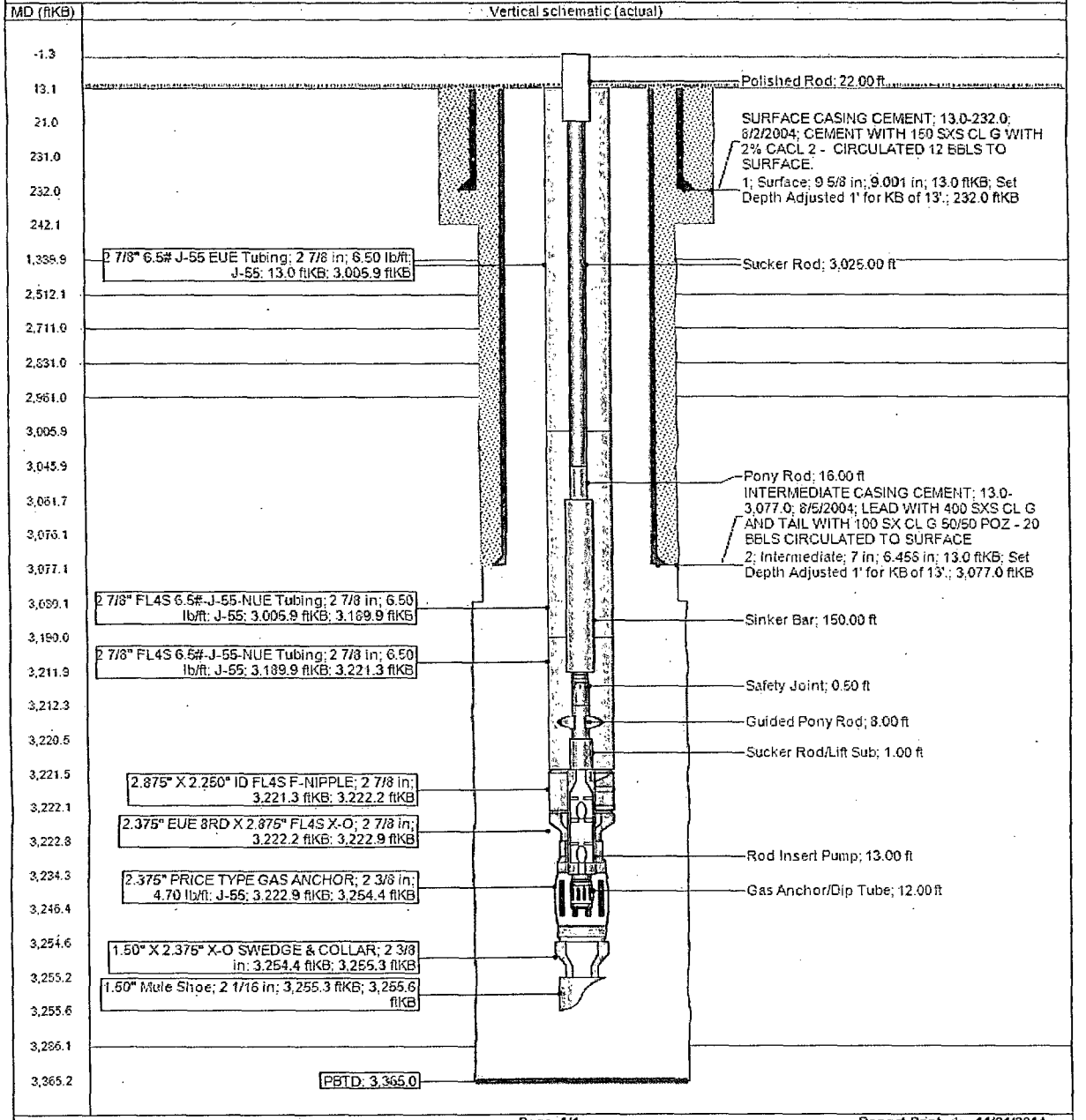
# Basic- Schematic - Current

## SAN JUAN 30-5 UNIT #223A

| District | Field Name | API / UWI | County | State/Province |
|---|---|---|---|---|
| CENTRAL | FC | 3003927813 | RIO ARRIBA | NEW MEXICO |

| Original Spud Date | Surface Legal Location | East/West Distance (ft) | East/West Reference | North/South Distance (ft) | North/South Reference |
|---|---|---|---|---|---|
| 8/2/2004 | 020-030N-005W-P | 815.00 | FEL | 1,300.00 | FSL |

Vertical - Original Hole, 11/21/2014 12:35:24 PM



# Proposed Schematic

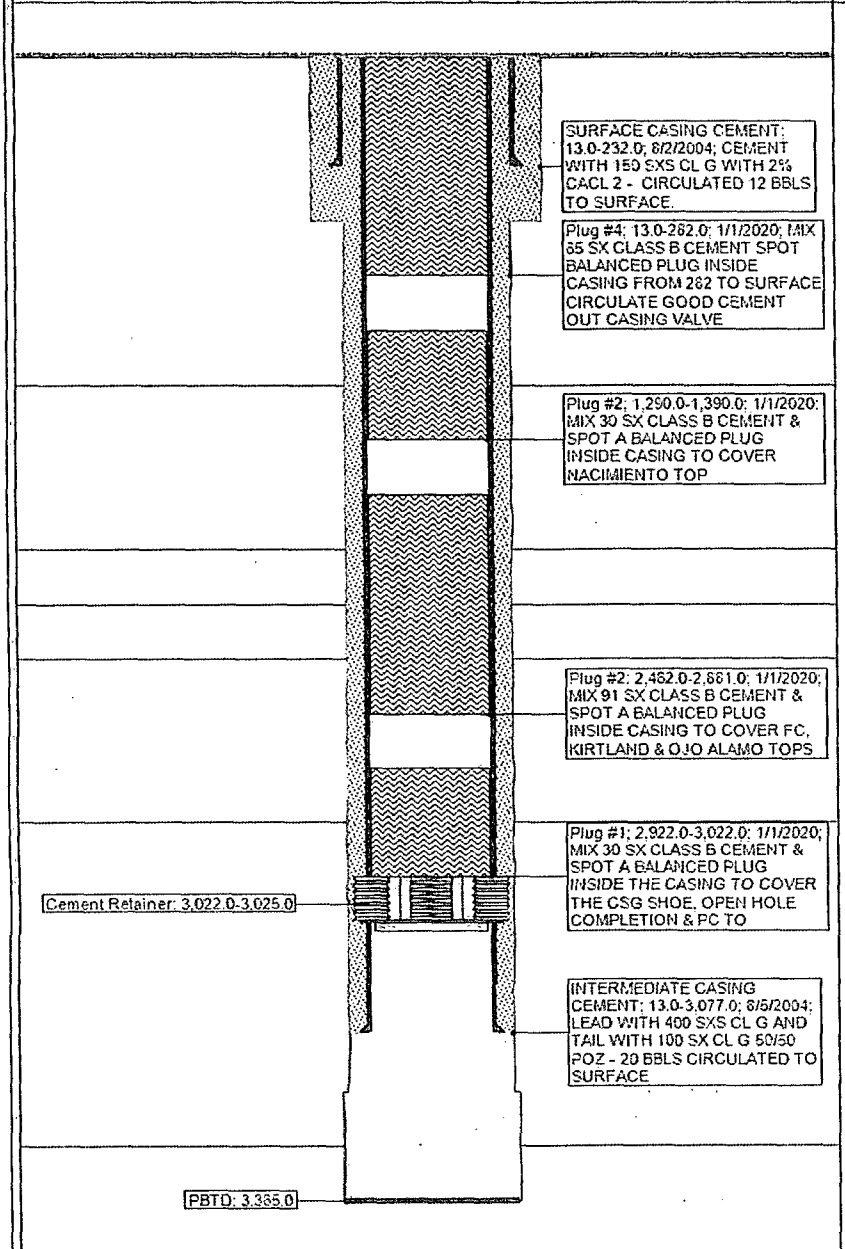
ConocoPhillips

**Well Name: SAN JUAN 30-5 UNIT #223A**

| API / UWI | Surface Legal Location | Field Name | License No. | State/Province | Well Configuration Type |
|---|---|---|---|---|---|
| 3003927813 | 020-030N-005W-P | FC | | NEW MEXICO | Vertical |

| Ground Elevation (ft) | Original KB/RT Elevation (ft) | KB-Ground Distance (ft) | KB-Casing Flange Distance (ft) | KB-Tubing Hanger Distance (ft) |
|---|---|---|---|---|
| 6,459.00 | 6,472.00 | 13.00 | | 6,472.00 |

Vertical - Original Hole, 1/1/2020




| Vertical schematic (actual) | MD (ftKB) | Formation Tops |
|---|---|---|
| | 13.1 | |
| | 231.0 | |
| | 232.0 | |
| | 242.1 | |
| | 282.2 | |
| | 1,290.0 | |
| | 1,339.9 | NACIMIENTO |
| | 1,390.1 | |
| | 2,461.9 | |
| | 2,512.1 | OJO ALAMO |
| | 2,711.0 | KIRTLAND |
| | 2,831.0 | FRUITLAND |
| | 2,860.9 | |
| | 2,921.9 | |
| | 2,961.0 | FRUITLAND COAL |
| | 3,022.0 | |
| | 3,024.9 | |
| | 3,076.1 | |
| | 3,077.1 | |
| | 3,080.1 | |
| | 3,286.1 | PICTURED CLIFFS |
| | 3,365.2 | |

# P&A Field Inspection Sheet

Date 2-18-2015 Specialist SAMUEL JAQUEZ

Operator CONOCO-PHILLIPS Well Name & Number SAN JUAN 30-5 223A

API Number 30-039-27813

Lease Number SF 078740 Section 20 Township 30N Range 5W

Footage 1300 FSL & 815 FEL

Surface: ☐ BLM ☐ BOR ☐ State County RIO ARRIBA State NM

Twinned: ☐Yes ☐No

## Well pad

Topography SANDSTONE BENCHES Stockpile Topsoil ☐Yes ☐No

Soil Type SANDY - LOAM

Vegetation Community TWINNED NO FUTHER ACTION NEEDED

1

2

3

4

5

6

7

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

side draining

Contaminated Soil Present: ☐Yes ☐No

Remove: ☐Yes Where on Location

Construct Silt Trap (s)

Re-contour Disturbed Areas to Natural Terrain: ☐Yes ☐No

Special Features

Location & Access Barricade ☐Yes ☐No How

Construction Comments/Concerns

## Access Road

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

Other

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

Road Comments/ Concerns

# Re-Contour Location Plan

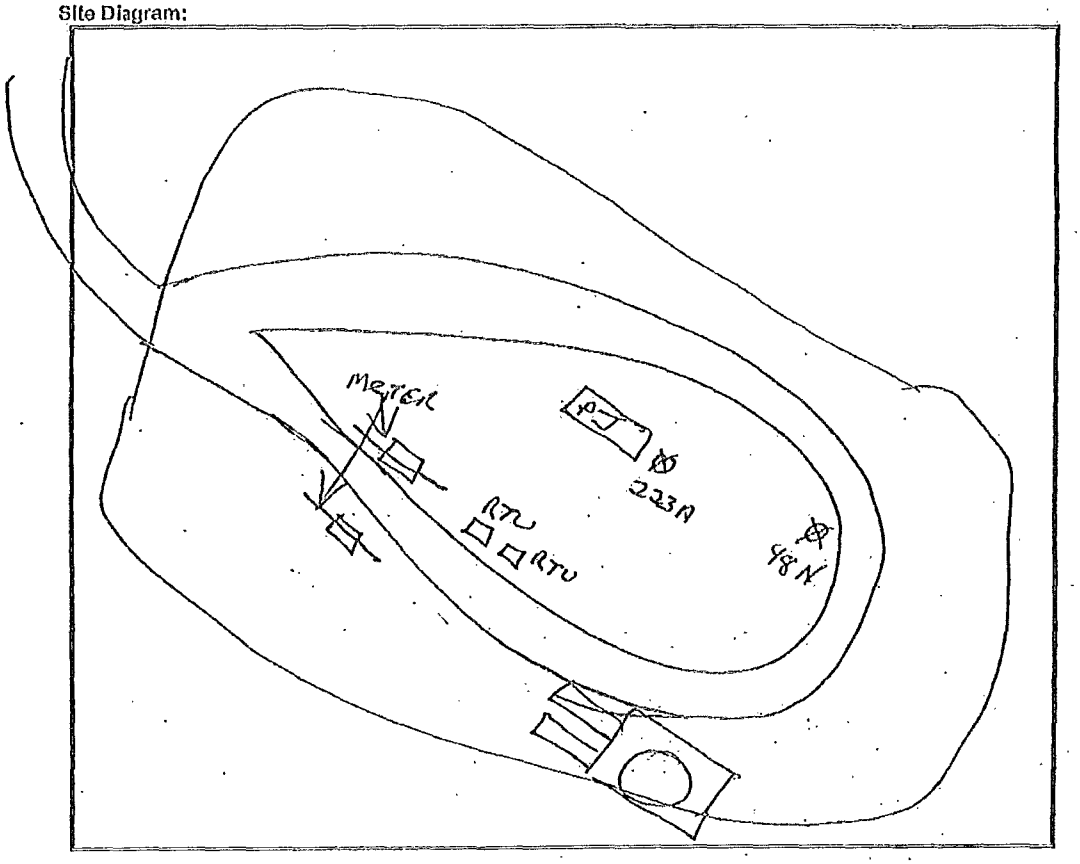
Well Name: SAN JUAN 30-5 223A Drafted by COP Rep: SAMUEL TAGOVER

Approved by BLM FFO Rep: BOB SWITZER

North Arrow

Date: 2-18-2015

Site Diagram:




Re-Contour Details:

N/O FOTHER ACTION

# Onsite Noxious Weed Form

If noxious weeds are found during the onsite, fill out form and submit to FFO weed coordinator
Operator SAN JUAN 30-5 223A Surveyor(s) SAMUEL JACOBS
Well Name and Number Conoco Phillips Date 2-18-2015
Location: Township, Range, Section Sec 20 T30N R5W
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 | | Eurasian watermilfoil | | Oxeye daise | | Scotch thistle | | |
| | Canada thistle | | Giant salvinia | | Parrotfeather | | Spotted knapweed | | |
| | Dalmation 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: Bob Switzer
sign and date
Operator Representative
sign and date

SEED LIST PICK LISTS - ONSITE / PRE-DISTURBANCE SITE VISIT

Location: _____

Date: _____

Yellow highlighted species = introduced, not native

*Sagebrush-Grass* - Reclamation Goal: Native/Desirables ≥ 35%

| Common Name | Scientific Name | Season | Form |
|---|---|---|---|
| | Pick 2 | | |
| Fourwing saltbush | *Atriplex canescens* | C | S |
| Antelope bitterbrush | *Purshia tridentata* | C | S |
| Winterfat | *Krascheninnikovia lanata* | C | S |
| | Pick 3 | | |
| Indian ricegrass | *Achnatherum hymenoides* | C | B |
| Blue grama | *Bouteloua gracilis* | W | Sod |
| James' galleta | *Pleuraphis jamesii* | W | B / Sod. |
| Sand dropseed | *Sporobolus cryptandrus* | W | B |
| Western wheatgrass | *Pascopyrum smithii* | C | Sod |
| | Pick 1 | | |
| Bottlebrush squirreltail | *Elymus elymoides* | C | B |
| Siberian wheatgrass | *Agropyron fragile* | C | B |
| | Pick 2 | | |
| Small burnet | *Sanguisorba minor* | C | F |
| Rocky Mountain bee plant | *Cleome serrulata* | C | F |
| Lewis flax<br>(BLM list says blue, this not blue flax) | *Linum lewisii* | C | F |

*Pinon-Juniper*

Types/Characteristics:

- Persistent PJ Woodlands (shallow, rocky soils)
  - Canopy – sparse stands of scattered, small trees to dense stands of larger trees
  - Understory – variable, sparse, extensive areas of litter and bare soil or rock
  - Site conditions – most common on rugged uplands with shallow, coarse-textured, and often rocky soils
  - Reclamation goal - Native/Desirables ≥ 20%
- Wooded shrublands (deeper soils)
  - Canopy – variable tree component ranging from very sparse to dense; oneseed & alligator juniper most common
  - Understory – well-developed shrub stratum (biotic community in this ecosystem); variable grass-forb cover
  - Site conditions – most common shallow, rocky soils on mountains to deep soils of intermountane valleys;
  - Reclamation goal - Native/Desirables ≥ 20%

| Common Name | Scientific Name | Season | Form |
|---|---|---|---|
| | Pick 1 | | |
| Mountain mahogany | *Cercocarpus montanus* | W | S |
| Antelope bitterbrush | *Purshia tridentata* | C | S |
| | Pick 2 | | |
| Western wheatgrass | *Pascopyrum smithii* | C | B |
| Bottlebrush squirreltail | *Elymus elymoides* | C | B |
| Needle and thread | *Hesperostipa comata* | C | B |
| | Pick 3 | | |
| Indian ricegrass | *Achnatherum hymenoides* | C | B |
| Blue grama | *Bouteloua gracilis* | W | B |
| Sand dropseed | *Sporobolus cryptandrus* | W | B |
| Prairie junegrass | *Koeleria macrantha* | C | B |
| Muttongrass | *Poa fendleriana* | C | B |
| | Pick 1 | | |
| Scarlet globemallow | *Sphaeralcea coccinea* | W | F |
| Utah sweetvetch | *Hedysarum boreale* | W | F |

**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: San Juan 30-5 Unit #223A

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 #2 to 2441 ft. to cover the Kirtland and Ojo Alamo tops. Adjust cement volume accordingly.

b) Set plug #3 (1403-1303) ft. to cover the Nacimiento top.

Operator will run a CBL to verify cement top. Submit the electronic copy of the log for verification to the following addresses: tsalyers@blm.gov Brandon.Powell@state.nm.us

Note: Plug #1 from (3022-2922) ft. will cover the Fruitland formation. BLM picks top of Fruitland at 3016 ft.

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.