

FORM  
2A

Rev  
08/13

# State of Colorado Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203  
Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400884107

**(SUBMITTED)**

Date Received:

08/20/2015

## Oil and Gas Location Assessment

New Location     Refile     Amend Existing Location    Location#: 414403

Submit signed original form. This Oil and Gas Location Assessment is to be submitted to the COGCC for approval prior to any ground disturbance activity associated with oil and gas operations. Approval of this Oil and Gas Location Assessment will allow for the construction of the below specified Location; however, it does not supersede any land use rules applied by the local land use authority. Please see the COGCC website at <http://cogcc.state.co.us/> for all accompanying information pertinent this Oil and Gas Location Assessment.

Location ID:

**414403**

Expiration Date:

This location assessment is included as part of a permit application.

### CONSULTATION

- This location is included in a Comprehensive Drilling Plan. CDP # \_\_\_\_\_
- This location is in a sensitive wildlife habitat area.
- This location is in a wildlife restricted surface occupancy area.
- This location includes a Rule 306.d.(1)A.ii. variance request.

### Operator

Operator Number: 66571  
 Name: OXY USA WTP LP  
 Address: 760 HORIZON DR #101  
 City: GRAND JUNCTION    State: CO    Zip: 81506

### Contact Information

Name: Blair Rollins  
 Phone: (970) 263-3637  
 Fax: (970) 263-3694  
 email: blair\_rollins@oxy.com

### RECLAMATION FINANCIAL ASSURANCE

- Plugging and Abandonment Bond Surety ID: 20060137     Gas Facility Surety ID: \_\_\_\_\_
- Waste Management Surety ID: \_\_\_\_\_

### LOCATION IDENTIFICATION

Name: Pond    Number: 13 E  
 County: GARFIELD  
 Quarter: NESE    Section: 4    Township: 6S    Range: 97W    Meridian: 6    Ground Elevation: 8601

Define a single point as a location reference for the facility location. When the location is to be used as a well site then the point shall be a well location.

Footage at surface: 1269 feet FSL from North or South section line  
160 feet FEL from East or West section line

Latitude: 39.548650    Longitude: -108.217230

PDOP Reading: 2.2    Date of Measurement: 04/13/2015

Instrument Operator's Name: S Bonner

## RELATED REMOTE LOCATIONS

(Enter as many Related Locations as necessary. Enter the Form 2A document # only if there is no established COGCC Location ID#)

This proposed Oil and Gas Location is:

LOCATION ID # FORM 2A DOC #

## FACILITIES

Indicate the number of each type of oil and gas facility planned on location

Wells \_\_\_\_\_ Oil Tanks\* \_\_\_\_\_ Condensate Tanks\* \_\_\_\_\_ Water Tanks\* \_\_\_\_\_ Buried Produced Water Vaults\* \_\_\_\_\_  
Drilling Pits \_\_\_\_\_ Production Pits\* \_\_\_\_\_ Special Purpose Pits \_\_\_\_\_ Multi-Well Pits\* \_\_\_\_\_ Modular Large Volume Tanks \_\_\_\_\_  
Pump Jacks \_\_\_\_\_ Separators\* \_\_\_\_\_ Injection Pumps\* \_\_\_\_\_ Cavity Pumps\* \_\_\_\_\_ Gas Compressors\* \_\_\_\_\_  
Gas or Diesel Motors\* \_\_\_\_\_ Electric Motors \_\_\_\_\_ Electric Generators\* \_\_\_\_\_ Fuel Tanks\* \_\_\_\_\_ LACT Unit\* \_\_\_\_\_  
Dehydrator Units\* \_\_\_\_\_ Vapor Recovery Unit\* \_\_\_\_\_ VOC Combustor\* \_\_\_\_\_ Flare\* \_\_\_\_\_ Pigging Station\* \_\_\_\_\_

## OTHER FACILITIES\*

### Other Facility Type

### Number

Concrete pump pad	2
Electrical panels & transformers	1
Power panel	1
Solar panel	3

\*Those facilities indicated by an asterisk (\*) shall be used to determine the distance from the Production Facility to the nearest cultural feature on the Cultural Setbacks Tab.

Per Rule 303.b.(3)C, description of all oil, gas, and/or water pipelines:

2 existing 8" water lines

## CONSTRUCTION

Date planned to commence construction: 04/01/2016 Size of disturbed area during construction in acres: 2.14

Estimated date that interim reclamation will begin: 09/01/2016 Size of location after interim reclamation in acres: 2.14

Estimated post-construction ground elevation: 8601

## DRILLING PROGRAM

Will a closed loop system be used for drilling fluids: No

Is H<sub>2</sub>S anticipated? No

Will salt sections be encountered during drilling: No

Will salt based mud (>15,000 ppm Cl) be used? No

Will oil based drilling fluids be used? No

## DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: \_\_\_\_\_ Drilling Fluids Disposal Method: \_\_\_\_\_

Cutting Disposal: \_\_\_\_\_ Cuttings Disposal Method: \_\_\_\_\_

Other Disposal Description:

\_\_\_\_\_

Beneficial reuse or land application plan submitted? No

Reuse Facility ID: \_\_\_\_\_ or Document Number: \_\_\_\_\_

Centralized E&P Waste Management Facility ID, if applicable: 436570

## SURFACE & MINERALS & RIGHT TO CONSTRUCT

Name: OXY USA WTP LP

Phone: 970-263-3641

Address: P O Box 27757

Fax: 970-263-3694

Address: Suite 110

Email: joan\_proulx@oxy.com

City: Houston State: TX Zip: 77227

Surface Owner:  Fee  State  Federal  Indian

Check all that apply. The Surface Owner:  is the mineral owner

is committed to an oil and Gas Lease

has signed the Oil and Gas Lease

is the applicant

The Mineral Owner beneath this Oil and Gas Location is:  Fee  State  Federal  Indian

The Minerals beneath this Oil and Gas Location will be developed from or produced to this Oil and Gas Location: No

The right to construct this Oil and Gas Location is granted by: applicant is owner

Surface damage assurance if no agreement is in place: \_\_\_\_\_ Surface Surety ID: \_\_\_\_\_

Date of Rule 306 surface owner consultation \_\_\_\_\_

## CURRENT AND FUTURE LAND USE

### Current Land Use (Check all that apply):

Crop Land:  Irrigated  Dry land  Improved Pasture  Hay Meadow  CRP

Non-Crop Land:  Rangeland  Timber  Recreational  Other (describe): \_\_\_\_\_

Subdivided:  Industrial  Commercial  Residential

### Future Land Use (Check all that apply):

Crop Land:  Irrigated  Dry land  Improved Pasture  Hay Meadow  CRP

Non-Crop Land:  Rangeland  Timber  Recreational  Other (describe): \_\_\_\_\_

Subdivided:  Industrial  Commercial  Residential

## CULTURAL DISTANCE INFORMATION

Provide the distance to the nearest cultural feature as measured from Wells or Production Facilities onsite.

	From WELL	From PRODUCTION FACILITY
Building:	_____ Feet	5280 Feet
Building Unit:	_____ Feet	5280 Feet
High Occupancy Building Unit:	_____ Feet	5280 Feet
Designated Outside Activity Area:	_____ Feet	5280 Feet
Public Road:	_____ Feet	5280 Feet
Above Ground Utility:	_____ Feet	5280 Feet
Railroad:	_____ Feet	5280 Feet
Property Line:	_____ Feet	3389 Feet

### INSTRUCTIONS:

- All measurements shall be provided from center of nearest Well or edge of nearest Production Facility to nearest of each cultural feature as described in Rule 303.b.(3)A.
- Enter 5280 for distance greater than 1 mile.
- Building - nearest building of any type. If nearest Building is a Building Unit, enter same distance for both.
- Building Unit, High Occupancy Building Unit, and Designated Outside Activity Area - as defined in 100-Series Rules.
- For measurement purposes only, Production Facilities should only include those items with an asterisk(\*) on the Facilities Tab.

## DESIGNATED SETBACK LOCATION INFORMATION

Check all that apply. This location is within a:  Buffer Zone  Exception Zone  Urban Mitigation Area

- Buffer Zone - as described in Rule 604.a.(2), within 1,000' of a Building Unit.
- Exception Zone - as described in Rule 604.a.(1), within 500' of a Building Unit.
- Urban Mitigation Area - as defined in 100-Series Rules.

Pre-application Notifications (required if location is within 1,000 feet of a building unit):

Date of Rule 305.a.(1) Urban Mitigation Area Notification to Local Government: \_\_\_\_\_

Date of Rule 305.a.(2) Buffer Zone Notification to Building Unit Owners: \_\_\_\_\_

## FOR MULTI-WELL PADS AND PRODUCTION FACILITIES WITHIN DESIGNATED SETBACK LOCATIONS ONLY:

- Check this box if this Oil and Gas Location has or will have Production Facilities that serve multiple wells (onl or offsite) and the Production Facilities are proposed to be located less than 1,000 feet from a Building Unit. *(Pursuant to Rule 604.c.(2)E.i., the operator must evaluate alternative locations for the Production Facilities that are farther from the Building Unit, and determine whether those alternative locations were technically feasible and economically practicable for the same proposed development.)*
- By checking this box, I certify that no alternative placements for the Production Facilities, farther from the nearest Building Unit, were available based on the analysis conducted pursuant to Rule 604.c.(2)E.i.

In the space below, explain rationale for siting the multi-well Production Facility(ies) that supports your Rule 604.c.(2)E.i determination. Attach documentation that supports your determination to this Form 2A.

## SOIL

List all soil map units that occur within the proposed location. attach the National Resource Conservation Service (NRCS) report showing the "Map Unit Description" report listing the soil typical vertical profile. This data is to used when segregating topsoil.

The required information can be obtained from the NRCS web site at <http://soildatamart.nrcs.usda.org/> or from the COGCC web site GIS Online map page found at <http://colorado.gov/cogcc>. Instructions are provided within the COGCC web site help section.

NRCS Map Unit Name: 55, Parachute-Irigul complex, 5 to 30% slopes

NRCS Map Unit Name: \_\_\_\_\_

NRCS Map Unit Name: \_\_\_\_\_

**PLANT COMMUNITY:**

Complete this section only if any portion of the disturbed area of the location's current land use is on non-crop land.

Are noxious weeds present: Yes  No

Plant species from:  NRCS or,  field observation Date of observation: \_\_\_\_\_

List individual species: Letterman's needlegrass, Slender wheatgrass, Asizona fescue, Mountain big sagebrush, Columbia needlegrass, Saskatoon serviceberry, Yellow rabbitbrush, Sandberg bluegrass, Mountain snowberry

Check all plant communities that exist in the disturbed area.

- Disturbed Grassland (Cactus, Yucca, Cheatgrass, Rye)
- Native Grassland (Bluestem, Grama, Wheatgrass, Buffalograss, Fescue, Oatgrass, Brome)
- Shrub Land (Mahogany, Oak, Sage, Serviceberry, Chokecherry)
- Plains Riparian (Cottonwood, Willow, Aspen, Maple, Poplar, Russian Olive, Tamarisk)
- Mountain Riparian (Cottonwood, Willow, Blue Spruce)
- Forest Land (Spruce, Fir, Ponderosa Pine, Lodgepole Pine, Juniper, Pinyon, Aspen)
- Wetlands Aquatic (Bullrush, Sedge, Cattail, Arrowhead)
- Alpine (above timberline)
- Other (describe): \_\_\_\_\_

**WATER RESOURCES**

Is this a sensitive area:  No  Yes

Distance to nearest

downgradient surface water feature: 1024 Feet

water well: 7362 Feet

Estimated depth to ground water at Oil and Gas Location 450 Feet

Basis for depth to groundwater and sensitive area determination:

COGCC GIS

Is the location in a riparian area:  No  Yes

Was an Army Corps of Engineers Section 404 permit filed  No  Yes If yes attach permit.

Is the location within a Rule 317B Surface Water Supply Area buffer zone: No

If the location is within a Rule 317B Surface Water Supply Area buffer have all public water supply systems within 15 miles been notified: \_\_\_\_\_

Is the Location within a Floodplain?  No  Yes Floodplain Data Sources Reviewed (check all that apply)

Federal (FEMA)

State

County

Local

Other \_\_\_\_\_

**GROUNDWATER BASELINE SAMPLING AND MONITORING AND WATER WELL SAMPLING**

Water well sampling required per Rule N/A

## DESIGNATED SETBACK LOCATION EXCEPTIONS

Check all that apply:

- Rule 604.a.(1)A. Exception Zone (within 500' of Building Unit)
- Rule 604.b.(1)A. Exception Location (existing or approved Oil & Gas Location now within a Designated Setback as a result of Rule 604.a.)
- Rule 604.b.(1)B. Exception Location (existing or approved Oil & Gas Location is within a Designated Setback due to Building Unit construction after Location approval)
- Rule 604.b.(2) Exception Location (SUA or site-specific development plan executed on or before August 1, 2013)
- Rule 604.b.(3) Exception Location (Building Units constructed after August 1, 2013 within setback per an SUA or site-specific development plan)

## RULE 502.b VARIANCE REQUEST

- Rule 502.b. Variance Request from COGCC Rule or Spacing Order Number \_\_\_\_\_

ALL exceptions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g. waivers, certifications, SUAs).

## OPERATOR COMMENTS AND SUBMITTAL

Comments

OXY is proposing to convert Pond 13 E (location #414403) and Pond 13 W (location #414404) into a Centralized E&P waste management facility. A Form 28 has been submitted to Alex Fischer and this Form 2A is being submitted at his request.

OXY requests that the name of the new E&P waste management facility be Pond 13 (facility ID #436570).

A Garfield County Land Use Change Permit was approved on 08-17-2015.

OXY remotely monitors fluid levels using a pressure transducer set in the ponds with high-level fluid alarms. These high-level alarms are transmitted through a fluid level monitoring and reporting system call Iconics which generates a report saved to OXY's Grand Junction server. Fluid level reports are then provided to the field and office personnel twice a day via email. When the fluid level of a pond is nearing capacity, but not to free-board levels, emails and notifications via text message are sent to field personnel alerting them that there is an issue at the facility. Low (1 foot below freeboard), medium (at freeboard), and high (1 foot above freeboard) level alarms are established for each facility associated with the freeboard level of the pond. Once the alarm notification is sent to the field personnel, it is their responsibility to respond to the facility and assess any problems that may be occurring at the facility.

OXY proposes to monitor the surface water locations quarterly throughout the life of the facility and all samples will be analyzed for: total petroleum hydrocarbons (diesel and gas range organics), benzene, toluene, ethyl-benzene, xylenes, pH, specific conductance, total alkalinity, total dissolved solids, bromide, chloride, fluoride, nitrate, nitrite, sulfate, calcium, iron, magnesium, manganese, potassium, selenium and sodium.

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

Signed: \_\_\_\_\_ Date: 08/20/2015 Email: joan\_proulx@oxy.com

Print Name: Joan Proulx Title: Regulatory

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: \_\_\_\_\_ Director of COGCC Date: \_\_\_\_\_

## Conditions Of Approval

**All representations, stipulations and conditions of approval stated in this Form 2A for this location shall constitute representations, stipulations and conditions of approval for any and all subsequent operations on the location unless this Form 2A is modified by Sundry Notice, Form 4 or an Amended Form 2A.**

## Best Management Practices

No BMP/COA Type	Description
1 Wildlife	<p>Wildlife and Domestic Animals Policy (Bear)</p> <ul style="list-style-type: none"> <li>• All firearms and hunting paraphernalia are strictly prohibited.</li> <li>• Employees, contractors, subcontractors, or visitors will not hunt, fish, trap, trade, feed, or harass animals or keep wildlife in captivity.</li> <li>• Employees, contractors, subcontractors or visitors shall not bring domestic animals to Oxy property.</li> <li>• All employees, contractors, subcontractors, or visitors shall comply with Colorado Parks and Wildlife, and U.S. Fish and Wildlife rules and regulations pertaining to wildlife.</li> <li>• All employees and visitors shall attend Oxy's Visitor Orientation presentation which includes training for Oxy's Wildlife and Domestic Animals policy.</li> <li>• Contractors and subcontractors shall read Oxy's Contractor, Health, Environment, and Safety Expectations Handbook, which contains Oxy's wildlife policies. After reading the handbook, all contractors and subcontractors shall sign, date, and return the last sheet of the handbook prior to coming on location.</li> <li>• All employees, contractors, subcontractors, or visitors shall comply with the following bear specific guidelines: <ul style="list-style-type: none"> <li>o Initiate a food and waste/refuse management program that uses bear-proof food storage containers and trash receptacles, including but not limited to all permanent facilities, drilling locations, temp housing facilities, completions and workover locations.</li> <li>o Food and food waste located at temporary job sites shall be kept in the vehicle and only disposed of in bear-proof containers.</li> <li>o Report bear conflicts immediately to Oxy HES and/or Regulatory Departments so that it may be reported to CPW.</li> </ul> </li> </ul>
2 Wildlife	<p>Sensitive Wildlife Habitat: Greater Sage Grouse Production Area</p> <ul style="list-style-type: none"> <li>• Identify seasonal habitats and migratory patterns of sage-grouse. Map all seasonal habitats using CPW habitat selection models as they become available.</li> <li>• No surface occupancy within 0.6 mile of any known greater sage-grouse lek.</li> <li>• After drilling and completions activities reduce visits to well-sites through remote monitoring (i.e. SCADA) and the use of multi-function contractors.</li> <li>• Schedule, as best as possible, well site visitations to portions of the day between 9:00 a.m. and 4:00 p.m. during the lekking season (March 1 to May 15).</li> <li>• Establish company guidelines to minimize wildlife mortality from vehicle collisions on roads.</li> <li>• Phase and concentrate all development activities, so that large areas of undisturbed habitat for wildlife remain and thorough reclamation occurs immediately after development and before moving to new sites. Development should progress at a pace commensurate with reclamation success.</li> <li>• Implement the species appropriate Infrastructure Layout and Drilling and Production Operations Wildlife Protection Measures found in Section II D. of the CPW Wildlife BMP document as follows: <ul style="list-style-type: none"> <li>• Section II D. DRILLING AND PRODUCTION OPERATIONS WILDLIFE PROTECTION MEASURES: The purpose of these measures is to reduce disturbance on the actual drill site and the surrounding area, to reduce direct conflict with wildlife and hunters, and to prevent wildlife access to equipment. <ol style="list-style-type: none"> <li>1. Use centralized hydraulic fracturing operations.</li> <li>2. Transport water through centralized pipeline systems rather than by trucking.</li> <li>3. Where possible, locate pipeline systems under existing roadways, or roadways that are planned for development.</li> <li>4. Maximize use of state-of-the-art drilling technology (e.g., high efficiency rigs, coiled-tubing unit rigs, closed-loop or pitless drilling, etc.) to minimize disturbance.</li> <li>5. Conduct well completions with drilling operations to limit the number of rig moves and traffic.</li> <li>6. Install exclusionary devices to prevent bird and other wildlife access to equipment stacks, vents and openings.</li> <li>7. During pipeline installations install trench plugs, earthen ramps, or other means as necessary to ensure that open pipeline trenches do not trap wildlife, and that pipe strings to not impair wildlife movements.</li> </ol> </li> <li>• Minimize surface disturbance and fragmentation of greater sage-grouse habitat through use of the smallest facility footprints possible, use of multiple well pads, clustering of roads and pipelines, and the widest possible spacing of surface facilities.</li> <li>• Where applicable design tanks and other facilities with structures such that they do</li> </ul> </li> </ul>

not provide perches or nest substrates for raptors, crows and ravens.

- Where needed, install raptor perch deterrents on equipment, fences, cross arms and pole tops in greater sage-grouse habitat.
- Remove all unnecessary infrastructure.
- Treat waste water pits and any associated pit containing water that provides a suitable medium for breeding mosquitoes with Bti (*Bacillus thuringiensis v. israelensis*) or take other effective action to control mosquito larvae that may spread West Nile Virus to wildlife, especially grouse.
- Implement the species appropriate reclamation guidelines found in Section II G. of the CPW Wildlife BMP document.
- Section II G. RESTORATION, RECLAMATION AND ABANDONMENT: The purpose of these measures is to restore disturbed sites to their pre-development conditions, using native vegetation that can be used by the indigenous wildlife. Develop a reclamation plan in consultation with CPW, NRCS, and the land owner or land management agency that incorporates wildlife species-specific goals and that defines reclamation performance standards, including the following components:
  1. Seed
    - a. Use only certified weed-free native seed in seed mixes, unless use of non-native plant materials is recommended by CPW.
    - b. Use locally adapted seed whenever available, especially for species which have wide geographic ranges and much genetic variation (e.g., big sagebrush (*Artemisia tridentata*), antelope bitterbrush (*Purshia tridentata*), etc.).
    - c. Where more than one ecotype of a given species is available and potentially adapted to the site, include more than one ecotype per species in the seed mix.
    - d. Use appropriately diverse reclamation seed mixes that mirror an appropriate reference area for the site being reclaimed (see also species-specific recommendations).
    - e. Conduct seeding in a manner that ensures that seedbed preparation and planting techniques are targeted toward the varied needs of grasses, forbs and shrubs (e.g., seed forbs and shrubs separately from grasses, broadcast big sagebrush but drill grasses, etc.).
    - f. Emphasize bunchgrass over sod-forming grasses in seed mixes in order to provide more effective wildlife cover and to facilitate forb and shrub establishment.
    - g. Seed immediately after recontouring and spreading topsoil. Spread topsoil and conduct seeding during optimal periods for seed germination and establishment. Use of the same contractor for re-contouring land as used for seeding is often the most effective approach.
    - h. Do not include aggressive, non-native grasses (e.g., intermediate wheatgrass, pubescent wheatgrass, crested wheatgrass, smooth brome, etc.) in reclamation seed mixes. Site specific exceptions may be considered.
    - i. Distribute quick germinating site adapted native seed or sterile non-native seed for interim reclamation on cut and fill slopes and topsoil piles.
    - j. Plan for reclamation failure and be prepared to repeat seeding as necessary to meet vegetation cover, composition, and diversity standards.
  2. Vegetative Cover Standard
    - a. Choose reference areas as goals for reclamation that have high wildlife value, with attributes such a diverse and productive understory of vegetation, productive and palatable shrubs, and a high prevalence of native species.
    - b. Establish vegetation with total perennial non-invasive plant cover of at least eighty (80) percent of pre-disturbance or reference area levels.
    - c. Establish vegetation with plant diversity of non-invasive species which is at least half that of pre-disturbance or reference area levels. Quantify diversity of vegetation using a metric that considers only species with at least 3 percent relative plant cover.
    - d. Observe and maintain a performance standard for reclamation success characterized by the establishment of a self-sustaining, vigorous, diverse, locally appropriate plant community on the site, with a density sufficient to control erosion and non-native plant invasion and diversity sufficient to allow for normal plant community development.
  3. Timing
    - a. Use early and effective reclamation techniques, including interim reclamation to accelerate return of disturbed areas for use by wildlife.
    - b. Remove all unnecessary infrastructure.
    - c. Close and reclaim roads not necessary for development immediately, including removing all bridges and culverts and recontouring/reclaiming all stream crossings.
    - d. Reclaim reserve pits as quickly as possible after drilling and ensure that pit contents

		<p>do not contaminate soil.  e. Remediate hydrocarbon spills on disturbed areas prior to reclamation.  f. Reclaim sites during optimum seasons (e.g. late fall/early winter or early spring).</p>
3	Wildlife	<p>Sage Grouse Continued  g. Complete final reclamation activities so that seeding occurs during the first optimal season following plugging and abandonment of oil and gas wells.</p> <p>4. Interim reclamation  a. Use a variety of native grasses and forbs to establish effective, interim reclamation on all disturbed areas (e.g., road shoulders and borrow areas), including disturbed areas where additional future ground disturbance is expected to occur.  b. Oxy will make a good-faith effort to perform interim reclamation to final reclamation species composition and establishment standards.  c. Perform "interim" reclamation on all disturbed areas not needed for active support of production operations.</p> <p>5. Riparian areas (none associated with this pad or associated access roads and pipelines)  a. Replace all riparian vegetation removed during development at a rate of at least 3:1.  b. Restore both form and function of impacted wetlands and riparian areas and mitigate erosion.</p> <p>6. Disposal  a. Remove well pad and road surface materials that are incompatible with post-production land use and re-vegetation requirements.  b. Remove and properly dispose of degraded silt fencing and erosion control materials after their utility has expired.  c. Remove and properly dispose of pit contents where contamination of surface water, groundwater, or soil by pit contents cannot be effectively prevented.</p> <p>7. Establishing reclaimed areas  a. Apply certified weed free mulch and crimp or tacify to remain in place to reclaim areas for seed preservation and moisture retention.  b. Utilize staked soil retention blankets for erosion control and reclamation of large surface areas with 3:1 or steeper slopes. Avoid use of plastic blanket materials, known to cause mortality of snakes.  c. Control weeds in areas surrounding reclamation areas in order to reduce weed competition.  d. Educate employees and contractors about weed issues.</p> <ul style="list-style-type: none"> <li>• Use early and effective reclamation techniques, including an aggressive interim reclamation program, to return habitat to use by greater sage-grouse as quickly as possible.</li> <li>• Reclaim/restore greater sage-grouse habitats with native grasses, forbs, and shrubs conducive to optimal greater sage-grouse habitat and other wildlife appropriate to the ecological site.</li> <li>• Use high diversity (10 species or more) reclamation seed mixes in greater sage-grouse habitat.</li> <li>• Use approved CP-4D (greater sage-grouse) seed mixes, based on soil type, precipitation, and elevation, available from Farm Service Agency or Natural Resources Conservation Service, or other seed mixes approved by CPW.</li> <li>• Avoid aggressive non-native grasses in greater sage-grouse habitat reclamation.</li> <li>• Restore disturbed sagebrush sites with the appropriate sagebrush species or subspecies on disturbed sagebrush sites. Use locally collected seed for reseeding where possible.</li> <li>• Reclaim mapped summer habitat with a substantially higher percentage of forbs (&gt; 15 percent cover post establishment) than used in other areas.</li> <li>• Utilize native and select non-native forbs and legumes in seed mixes as they are a vital component of brood-rearing habitat.</li> </ul>

Total: 3 comment(s)

## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400884107	FORM 2A SUBMITTED
400884114	NRCS MAP UNIT DESC
400884139	FACILITY LAYOUT DRAWING
400885630	TOPO MAP
400901381	ACCESS ROAD MAP
400901382	LOCATION PICTURES
400901383	HYDROLOGY MAP
400901386	LOCATION DRAWING
400920108	REFERENCE AREA PICTURES
400920110	REFERENCE AREA MAP

Total Attach: 10 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Returned to draft Missing reference area map and reference area picture attachments.	9/22/2015 12:30:16 PM
Permit	Return to draft  Missing following attachments: location pictures, location drawings, hydrology map. Please refer to Form 2A attachment guidance on attachment requirements.  Access Road attachment does not follow guidelines. Route is not shown on map.	8/25/2015 3:25:11 PM

Total: 2 comment(s)