

**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:

400548187

Date Received:

**Oil and Gas Location Assessment**☐ New Location ☐ Refile ☒ Amend Existing Location Location#: 335889

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:

**335889**

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: 66571Name: OXY USA WTP LPAddress: 760 HORIZON DR #101City: GRAND JUNCTION State: CO Zip: 81506**Contact Information**Name: Joan ProulxPhone: (970) 263-3641Fax: (970) 263-3694email: joan\_proulx@oxy.com**RECLAMATION FINANCIAL ASSURANCE**☒ Plugging and Abandonment Bond Surety ID: 20060137☐ Gas Facility Surety ID: \_\_\_\_\_☐ Waste Management Surety ID: \_\_\_\_\_**LOCATION IDENTIFICATION**Name: Cascade CreekNumber: 697-09-61County: GARFIELDQuarterQuarter: SWSE Section: 9 Township: 6S Range: 97W Meridian: 6 Ground Elevation: 8279

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: 323 feet FSL from North or South section line2171 feet FEL from East or West section lineLatitude: 39.531100 Longitude: -108.223160PDOP Reading: 1.4 Date of Measurement: 12/18/2013Instrument Operator's Name: R Bullen

## 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	18	Oil Tanks	2	Condensate Tanks	1	Water Tanks	1	Buried Produced Water Vaults	
Drilling Pits		Production Pits		Special Purpose Pits		Multi-Well Pits		Temporary Large Volume Above Ground Tanks	
Pump Jacks		Separators	4	Injection Pumps		Cavity Pumps			
Gas or Diesel Motors		Electric Motors		Electric Generators		Fuel Tanks		Gas Compressors	
Dehydrator Units		Vapor Recovery Unit		VOC Combustor	1	Flare		LACT Unit	
								Pigging Station	

## OTHER FACILITIES

### Other Facility Type

### Number

Solar panels	1
2-phase separator to be added	1
Plugged and abandoned wells	4

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

Approximately 1260' of 6" STD carbon steel pipe for natural gas gathering  
Approximately 1260' of 4" FP 601 flexpipe for natural gas supply

## CONSTRUCTION

Date planned to commence construction: 04/01/2014      Size of disturbed area during construction in acres: 4.80  
Estimated date that interim reclamation will begin: 08/01/2015      Size of location after interim reclamation in acres: 3.00  
Estimated post-construction ground elevation: 8279

## DRILLING PROGRAM

Will a closed loop system be used for drilling fluids: Yes

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: OFFSITE

Drilling Fluids Disposal Method: Recycle/reuse

Cutting Disposal: OFFSITE

Cuttings Disposal Method: Other

Other Disposal Description:

Drilling fluids may be trucked to the 604-1 SWD for injection.  
Cuttings may be disposed of at the 697-15-01 Cuttings Disposal Area (see approved From 4 Sundry Notice doc #400493031).

Beneficial reuse or land application plan submitted? No

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

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

## SURFACE & MINERALS & RIGHT TO CONSTRUCT

Name: OXY USA WP 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: 77227-7757

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: Yes

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

Distance to nearest:

Building: 861 Feet  
Building Unit: 5280 Feet  
High Occupancy Building Unit: 5280 Feet  
Designated Outside Activity Area: 5280 Feet  
Public Road: 5280 Feet  
Above Ground Utility: 5280 Feet  
Railroad: 5280 Feet  
Property Line: 2171 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.

## 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: \_\_\_\_\_

## 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 be 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: Map Unit Symbol 55, Parachute-Irigul complex, 5 to 30 percent slopes

NRCS Map Unit Name: Map Unit Symbol 56, Parachute-Irigul-Phone association, 25 to 50 percent slopes

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: Map Unit Symbol 55: Slender wheatgrass, Lettermans' needlegrass, Arizona fescue, Mountain big sagebrush, Columbia needlegrass, Saskatoon serviceberry, Sandberg bluegrass, Mountain snowberry, Yellow rabbitbrush

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: 1471 Feet

water well: 9386 Feet

Estimated depth to ground water at Oil and Gas Location 400 Feet

Basis for depth to groundwater and sensitive area determination:

Hydrology plat; COGCC GIS website

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 No zone:

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

## GROUNDWATER BASELINE SAMPLING AND MONITORING AND WATER WELL SAMPLING

Water well sampling required per Rule 609

## 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

The Cascade Creek 697-09-61 pad is an existing pad with 17 producing wells and 4 plugged and abandoned wells. The location is being amended in order to permit and drill one horizontal well. Oxy is both the surface and mineral owner. Per GarCo Vacation Ordinance dated 10-5-1987, CR 213 is now OXY's private property north of Sec 8, 7S, 97W, 6 PM. Oxy will provide appropriate housing for essential personnel in order to conduct safe, efficient drilling operations at this well site. Oxy will comply with Notice to Operators (NTO) Drilling wells on the Roan Plateau (June 12, 2008). The seasonal wood frame house on the location drawing plat is "Conn Camp," a cow camp located on Oxy private surface and used by ranchers leasing Oxy surface to graze their cattle. This location is not located within a SWH (sensitive wildlife habitat) or an RSO (restricted surface occupancy), but it is located within a black bear area. Per the CPW, no notification is needed if the location is located only within a black bear area. The appropriate BMP is attached. On the Soil & Plant Community tab, the Individual Species Field comment box for the plant community ran out of room; the Map Unit Symbol 56 species are: Saskatoon serviceberry, Elk sedge, Mountain brome, Western wheatgrass, Mountain snowberry, Mountain big sagebrush, Columbia needlegrass, Letterman's needlegrass.

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

Signed: \_\_\_\_\_ Date: \_\_\_\_\_ 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.**

#### **COA Type**

#### **Description**

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### **Best Management Practices**

#### **No BMP/COA Type**

#### **Description**

1	Wildlife	<p>Wildlife and Domestic Animals Policy</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>
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Total: 1 comment(s)

### Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400548425	ACCESS ROAD MAP
400548426	MINERAL LEASE MAP
400548427	TOPO MAP
400548428	HYDROLOGY MAP
400548430	REFERENCE AREA MAP
400548432	LOCATION DRAWING
400548433	LOCATION PICTURES
400548435	REFERENCE AREA PICTURES
400548443	MULTI-WELL PLAN
400548444	NRCS MAP UNIT DESC
400548446	CONST. LAYOUT DRAWINGS
400548448	CONST. LAYOUT DRAWINGS
400548451	OTHER

Total Attach: 13 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)