

FORM  
2ARev  
04/01State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



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Document Number:

400231789

## Oil and Gas Location Assessment

☒ New Location      ☐ Amend Existing Location      Location#: \_\_\_\_\_

Submit original plus one copy. This form is to be submitted to the COGCC prior to any ground disturbance activity associated with oil and gas development operations. This Assessment may be approved as a standalone application or submitted as an informational report accompanying an Application for Permit-To-Drill, Form 2. Approval of this 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. This form may serve as notice to land owners and other interested parties, please see the COGCC web site at <http://colorado.gov/cogcc/> for all accompanying information pertinent to this Oil and Gas Location Assessment.

Location ID:

**427315**

Expiration Date:

**01/14/2015**
☒ This location assessment is included as part of a permit application.

## 1. 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.

## 2. Operator

Operator Number: 66571

Name: OXY USA WTP LP

Address: P O BOX 27757

City: HOUSTON State: TX Zip: 77227

## 3. Contact Information

Name: Joan Proulx

Phone: (970) 263.3641

Fax: (970) 263.3694

email: joan\_proulx@oxy.com

## 4. Location Identification:

Name: Shell Number: 797-03A

County: GARFIELD

QuarterQuarter: TCT 71 Section: 3 Township: 7S Range: 97W Meridian: 6 Ground Elevation: 6478

Define a single point as a location reference for the facility location. This point should be used as the point of measurement in the drawings to be submitted with this application. When the location is to be used as a well site then the point shall be a well location.

Footage at surface: 784 feet FNL, from North or South section line, and 1509 feet FEL, from East or West section line.

Latitude: 39.479610 Longitude: -108.202060 PDOP Reading: 1.7 Date of Measurement: 08/17/2011

Instrument Operator's Name: B Baker

## 5. Facilities (Indicate the number of each type of oil and gas facility planned on location):

|  |   |  |   |   |
|--|---|--|---|---|
| Special Purpose Pits: <input type="text"/>           | Drilling Pits: <input type="text" value="1"/> | Wells: <input type="text" value="11"/>     | Production Pits: <input type="text"/>           | Dehydrator Units: <input type="text"/>          |
| Condensate Tanks: <input type="text" value="1"/>     | Water Tanks: <input type="text" value="3"/>   | Separators: <input type="text" value="3"/> | Electric Motors: <input type="text" value="1"/> | Multi-Well Pits: <input type="text"/>           |
| Gas or Diesel Motors: <input type="text" value="1"/> | Cavity Pumps: <input type="text" value="1"/>  | LACT Unit: <input type="text" value="11"/> | Pump Jacks: <input type="text"/>                | Pigging Station: <input type="text" value="1"/> |
| Electric Generators: <input type="text" value="1"/>  | Gas Pipeline: <input type="text" value="1"/>  | Oil Pipeline: <input type="text"/>         | Water Pipeline: <input type="text" value="2"/>  | Flare: <input type="text"/>                     |
| Gas Compressors: <input type="text" value="1"/>      | VOC Combustor: <input type="text" value="1"/> | Oil Tanks: <input type="text"/>            | Fuel Tanks: <input type="text" value="1"/>      |   |

Other: \_\_\_\_\_

## 6. Construction:

Date planned to commence construction: 02/01/2011 Size of disturbed area during construction in acres: 4.10  
Estimated date that interim reclamation will begin: 09/15/2013 Size of location after interim reclamation in acres: 1.10  
Estimated post-construction ground elevation: 6410 Will a closed loop system be used for drilling fluids: Yes ☐  
Will salt sections be encountered during drilling: Yes ☐ No ☒ Is H2S anticipated? Yes ☐ No ☒  
Will salt (>15,000 ppm TDS Cl) or oil based muds be used: Yes ☐ No ☒  
Mud disposal: Offsite ☐ Onsite ☒ Method: Land Farming ☒ Land Spreading ☐ Disposal Facility ☐  
Other: \_\_\_\_\_

## 7. Surface Owner:

Name: \_\_\_\_\_ Phone: \_\_\_\_\_  
Address: \_\_\_\_\_ Fax: \_\_\_\_\_  
Address: \_\_\_\_\_ Email: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Date of Rule 306 surface owner consultation: \_\_\_\_\_  
Surface Owner: ☒ Fee ☐ State ☐ Federal ☐ Indian  
Mineral Owner: ☒ Fee ☐ State ☐ Federal ☐ Indian  
The surface owner is: ☒ the mineral owner ☒ committed to an oil and gas lease  
☒ is the executer of the oil and gas lease ☐ the applicant  
The right to construct the location is granted by: ☒ oil and gas lease ☐ Surface Use Agreement ☐ Right of Way  
☐ applicant is owner  
Surface damage assurance if no agreement is in place: ☐ \$2000 ☐ \$5000 ☐ Blanket Surety ID \_\_\_\_\_

## 8. Reclamation Financial Assurance:

☐ Well Surety ID: 20060137 ☐ Gas Facility Surety ID: \_\_\_\_\_ ☐ Waste Mgmt. Surety ID: \_\_\_\_\_

## 9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes ☐ No ☒  
Distance, in feet, to nearest building: 13086, public road: 13675, above ground utilit: 27700  
, railroad: 31527, property line: 1163

## 10. 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

## 11. 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

## 12. Soils:

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.gov/> 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 42, Grobutte very channery loam, 30 to 60 percent slopes

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

### 13. 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: NRCS soil name is Grobutte; no characteristic vegetation or individual species listed

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): Determined by location photographs

### 14. Water Resources:

Rule 901.e. may require a sensitive area determination be performed. If this determination is performed the data is to be submitted with the Form 2A.

Is this a sensitive area: ☐ No ☒ Yes Was a Rule 901.e. Sensitive Areas Determination performed: ☒ No ☐ Yes

Distance (in feet) to nearest surface water: 300, water well: 7444, depth to ground water: 100

Is the location in a riparian area: ☒ No ☐ Yes Was an Army Corps of Engineers Section 404 permit filed ☒ No ☐ Yes

Is the location within a Rule 317B Surface Water Supply Area buffer zone:

☒ No ☐ 0-300 ft. zone ☐ 301-500 ft. zone ☐ 501-2640 ft. 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: ☐ No ☐ Yes

### 15. Comments:

The Shell 797-03A well pad has not been constructed. 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. The CDOW pre-consultation meeting occurred on Oct. 31, 2011. A semi-closed loop system will be used and the reserve pit will be lined. The proposed pad location is 300' from Baker Gulch, an intermittent stream bed location.

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

Signed: \_\_\_\_\_ Date: 12/14/2011 Email: joan\_proulx@oxy.com

Print Name: Joan Proulx Title: Regulatory Analyst

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: David S. Neslin Director of COGCC Date: 1/15/2012

**CONDITIONS OF APPROVAL, IF ANY:**

**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.**

**SITE SPECIFIC COAs:**

Operator must implement best management practices to contain any unintentional release of fluids, including any fluids conveyed via temporary surface pipelines.

Any pit constructed to hold fluids (reserve pit, production pit, frac pit; except for flare pit, if built) must be lined.

The access road will be constructed to prevent sediment migration from the access road to nearby surface water or any drainages leading to other nearby surface waters. Strategically apply fugitive dust control measures to reduce fugitive dust and coating of vegetation and deposition in water sources.

The surface soils and materials are moderately unconsolidated and the slopes to the east are very steep; therefore appropriate BMPs need to be in place both during, after well pad construction completion, as well as during all drilling and well completion operations. Standard stormwater BMPs must be implemented at this location to insure compliance with CDPHE and COGCC requirements and to prevent any stormwater run-on and /or stormwater runoff.

Operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations; including, but not limited to, construction of a berm or diversion dike, diversion/collection trenches within and/or outside of berms/dikes, site grading, or other comparable measures (i.e., best management practices (BMPs) associated with stormwater management) sufficiently protective of nearby surface water. Any berm constructed at the well pad location will be stabilized, inspected at regular intervals (at least every 14 days), and maintained in good condition.

Flowback and stimulation fluids must be sent to tanks, separators, or other containment/filtering equipment before the fluids can be placed into any pipeline or pit located on the well pad or into tanker trucks for offsite disposal. The flowback and stimulation fluid tanks, separators, or other containment/filtering equipment must be placed on the well pad in an area with additional downgradient perimeter berming. The area where flowback fluids will be stored/reused must be constructed to be sufficiently impervious to contain any spilled or released material. Under unforeseen upset conditions during flowback operations, operator may discharge flowback fluids directly into the pit, as needed (notice of intent to directly discharge into the pit must be sent to Dave Kubeczko; email dave.kubeczko@state.co.us).

Berms or other containment devices shall be constructed to be sufficiently impervious to contain any spilled or released material around crude oil, condensate, and produced water storage tanks.

The moisture content of any drill cuttings in a cuttings pit, trench, or pile shall be as low as practicable to prevent accumulation of liquids greater than de minimis amounts. At the time of closure, the drill cuttings must also meet the applicable standards of table 910-1.

No portion of any pit that will be used to hold liquids shall be constructed on fill material, unless the pit and fill slope are designed and certified by a professional engineer, subject to review and approval by the director prior to construction of the pit. The construction and lining of the pit shall be supervised by a professional engineer or their agent. The entire base of the pit must be in cut.

### Attachment Check List

| Att Doc Num | Name                    |
|-------------|-------------------------|
| 2034017     | CORRESPONDENCE          |
| 400231789   | FORM 2A SUBMITTED       |
| 400231828   | ACCESS ROAD MAP         |
| 400231829   | MULTI-WELL PLAN         |
| 400231831   | CONST. LAYOUT DRAWINGS  |
| 400231832   | HYDROLOGY MAP           |
| 400231833   | LOCATION DRAWING        |
| 400231834   | LOCATION PICTURES       |
| 400231835   | NRCS MAP UNIT DESC      |
| 400231836   | NRCS MAP UNIT DESC      |
| 400231837   | LOCATION DRAWING        |
| 400231838   | CONST. LAYOUT DRAWINGS  |
| 400231840   | REFERENCE AREA PICTURES |
| 400231842   | REFERENCE AREA MAP      |
| 400231844   | TOPO MAP                |
| 400232173   | CORRESPONDENCE          |
| 400232176   | CORRESPONDENCE          |
| 400232380   | CONST. LAYOUT DRAWINGS  |

Total Attach: 18 Files

### General Comments

| <u>User Group</u> | <u>Comment</u>  | <u>Comment Date</u>    |
|-------------------|---|------------------------|
| Permit            | No public or LGD comments<br>Comprehensive Final Review status -- Passed  | 1/9/2012 9:14:41 AM    |
| OGLA              | Initiated/Completed OGLA Form 2A review on 12-27-11 by Dave Kubeczko; requested acknowledgement of fluid containment, spill/release BMPs, lined pits/closed loop, flowback to tanks only, tank berming, no pit in fill, access road sediment control, pad construction BMPs, and cuttings low moisture content COAs from operator on 12-27-11; received acknowledgement of COAs from operator on 01-06-12; no CPW; passed OGLA Form 2A review on 01-06-12 by Dave Kubeczko; fluid containment, spill/release BMPs, lined pits/closed loop, flowback to tanks only, tank berming, no pit in fill, access road sediment control, pad construction BMPs, and cuttings low moisture content COAs. | 12/27/2011 10:30:45 AM |
| Permit            | Added surface owner is committed to a mineral lease   | 12/20/2011 2:42:30 PM  |
| Permit            | Form has passed completeness.   | 12/14/2011 1:04:43 PM  |
| Permit            | Returned to draft. Missing NRCS map unit information.   | 12/14/2011 11:54:46 AM |
| Permit            | Returned to draft. Unable to open the construction layout drawings.   | 12/14/2011 10:44:26 AM |

Total: 6 comment(s)

## **BMP**

| <b><u>Type</u></b> | <b><u>Comment</u></b>   |
|--------------------|---|
| Wildlife           | <p>OXY USA WTP LP and OXY USA Inc.</p> <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 Division of 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 CDOW.</li></ul></li></ul> |

Total: 1 comment(s)