

**FORM
2A**Rev
04/01**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:

400437664

Date Received:

06/27/2013

Oil and Gas Location Assessment☐ New Location☒ Amend Existing Location Location#: 431115

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:

431115

Expiration Date:

08/03/2016☒ 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: 96155

Name: WHITING OIL AND GAS CORPORATION

Address: 1700 BROADWAY STE 2300

City: DENVER State: CO Zip: 80290

3. Contact Information

Name: Michael Brown

Phone: (307) 237-9310

Fax: ()

email: ml_brown@bresnan.net

4. Location Identification:

Name: Razor Number: 21B-0909A

County: WELD

QuarterQuarter: NWNE Section: 21 Township: 10N Range: 58W Meridian: 6 Ground Elevation: 4839

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: 330 feet FNL, from North or South section line, and 1980 feet FEL, from East or West section line.

Latitude: 40.830203 Longitude: -103.868211 PDOP Reading: 1.3 Date of Measurement: 05/17/2012

Instrument Operator's Name: Darren Shanks

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

| | | | | |
|--|--|--|--|--|
| Special Purpose Pits: <input type="checkbox"/> | Drilling Pits: <input type="checkbox"/> | Wells: <input type="text" value="8"/> | Production Pits: <input type="checkbox"/> | Dehydrator Units: <input type="checkbox"/> |
| Condensate Tanks: <input type="checkbox"/> | Water Tanks: <input type="checkbox"/> | Separators: <input type="checkbox"/> | Electric Motors: <input type="checkbox"/> | Multi-Well Pits: <input type="checkbox"/> |
| Gas or Diesel Motors: <input type="checkbox"/> | Cavity Pumps: <input type="checkbox"/> | LACT Unit: <input type="checkbox"/> | Pump Jacks: <input type="text" value="8"/> | Pigging Station: <input type="checkbox"/> |
| Electric Generators: <input type="checkbox"/> | Gas Pipeline: <input type="text" value="1"/> | Oil Pipeline: <input type="text" value="1"/> | Water Pipeline: <input type="text" value="1"/> | Flare: <input type="checkbox"/> |
| Gas Compressors: <input type="checkbox"/> | VOC Combustor: <input type="checkbox"/> | Oil Tanks: <input type="checkbox"/> | Fuel Tanks: <input type="checkbox"/> | |
| Other: _____ | | | | |

6. Construction:

Date planned to commence construction: 08/20/2013 Size of disturbed area during construction in acres: 10.28
Estimated date that interim reclamation will begin: 02/20/2014 Size of location after interim reclamation in acres: 3.00
Estimated post-construction ground elevation: 4837 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: 02/22/2013
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: 20030110 ☐ Gas Facility Surety ID: _____ ☐ Waste Mgnt. Surety ID: _____

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes ☐ No ☒
Distance, in feet, to nearest building: 5280, public road: 1926, above ground utility: 647,
railroad: 5280, property line: 330

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: 31 Kim-Mitchell

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: 02/22/2013
List individual species: _____

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): _____

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: 5040, water well: 3805, depth to ground water: 90
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:

Water well permit 11399

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

Signed: _____ Date: 06/27/2013 Email: ml_brown@bresnan.net

Print Name: Michael L. Brown Title: Agent

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: Matthew Lee Director of COGCC Date: 8/4/2013

**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.

Attachment Check List

| Att Doc Num | Name |
|-------------|-------------------------|
| 400437664 | FORM 2A SUBMITTED |
| 400437733 | LOCATION DRAWING |
| 400437734 | LOCATION PICTURES |
| 400437735 | SURFACE AGRMT/SURETY |
| 400437736 | ACCESS ROAD MAP |
| 400439038 | MULTI-WELL PLAN |
| 400439039 | NRCS MAP UNIT DESC |
| 400439040 | HYDROLOGY MAP |
| 400439041 | REFERENCE AREA PICTURES |

Total Attach: 9 Files

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|-------------------|---|--------------------------|
| Permit | Final Review Completed. No LGD or public comment received. | 7/30/2013 10:33:19 AM |
| OGLA | the reference area coordinates are lat 40.831216672 long -103.881266880 listed on Reference Area Photos attachment and marked on the Access Road Map. | 7/25/2013 8:38:05 AM |
| Permit | Initial review complete. Form 2 and 2A compared. | 7/11/2013 6:55:48 AM |
| Permit | Passed completeness | 6/28/2013 7:17:44 AM |

Total: 4 comment(s)

BMP

| <u>Type</u> | <u>Comment</u> |
|--|---|
| Storm Water/Erosion Control | Stormwater management plans (SWMP) are in place to address construction, drilling and operations associated with oil and gas development throughout the State of Colorado. BMPs will be constructed as necessary to prevent stormwater from leaving the construction site. BMPs used will vary according to the location, and will remain until the pad is reclaimed. |
| Material Handling and Spill Prevention | <p>Spill Prevention Control and Countermeasures (SPCC) plans are in place to address any possible spill associated with oil and gas operations throughout the State of Colorado.</p> <ul style="list-style-type: none"> • Materials and fluids will be stored in a neat and orderly fashion. • Waste will be collected regularly and disposed of at an offsite facility. • Prompt cleanup is required of spills to minimize waste materials entering the stormwater runoff. • Drip pans will be used during fueling and maintenance to contain spills or leaks. • Cleanup of trash and discarded material will be done at the end of the work day. • Cleanup will consist of monitoring the road, location and any other work areas. • Material to be cleaned up includes trash, scrap, and contaminated soil. |

Total: 2 comment(s)