

FORM  
2A

Rev  
04/01

State of Colorado  
Oil and Gas Conservation Commission

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



DE	ET	OE	ES
----	----	----	----

Document Number:  
400100017

**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 stand alone 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:  
**420505**  
Expiration Date:  
**11/26/2013**

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: Wild Horse Number: 16-13H  
County: WELD  
Quarter: NWSW Section: 16 Township: 9N Range: 59W Meridian: 6 Ground Elevation: 5056  
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: 1958 feet FSL, from North or South section line, and 664 feet FWL, from East or West section line.  
Latitude: 40.748570 Longitude: -103.990200 PDOP Reading: 2.2 Date of Measurement: 09/13/2010  
Instrument Operator's Name: Darren Veal

**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="1"/>	Production Pits: <input type="checkbox"/>	Dehydrator Units: <input type="checkbox"/>
Condensate Tanks: <input type="checkbox"/>	Water Tanks: <input type="text" value="1"/>	Separators: <input type="text" value="1"/>	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="1"/>	Pigging Station: <input type="checkbox"/>
Electric Generators: <input type="checkbox"/>	Gas Pipeline: <input type="checkbox"/>	Oil Pipeline: <input type="checkbox"/>	Water Pipeline: <input type="checkbox"/>	Flare: <input type="checkbox"/>
Gas Compressors: <input type="checkbox"/>	VOC Combustor: <input type="checkbox"/>	Oil Tanks: <input type="text" value="3"/>	Fuel Tanks: <input type="checkbox"/>	

Other: 1 Meter Housed

6. Construction:

Date planned to commence construction: 11/01/2010 Size of disturbed area during construction in acres: 4.00
Estimated date that interim reclamation will begin: 05/01/2011 Size of location after interim reclamation in acres: 2.00
Estimated post-construction ground elevation: 5054 Will a closed loop system be used for drilling fluids: Yes [X]
Will salt sections be encountered during drilling: Yes [ ] No [X] Is H2S anticipated? Yes [ ] No [X]
Will salt (>15,000 ppm TDS Cl) or oil based muds be used: Yes [ ] No [X]
Mud disposal: Offsite [X] Onsite [ ] Method: Land Farming [ ] Land Spreading [ ] Disposal Facility [X]
Other: \_\_\_\_\_

7. Surface Owner:

Name: \_\_\_\_\_ Phone: \_\_\_\_\_
Address: \_\_\_\_\_ Fax: \_\_\_\_\_
Address: \_\_\_\_\_ Email: \_\_\_\_\_
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Date of Rule 306 surface owner consultation: 09/10/2010
Surface Owner: [X] Fee [ ] State [ ] Federal [ ] Indian
Mineral Owner: [ ] Fee [X] 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 [X] 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:

[X] 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 [X]
Distance, in feet, to nearest building: 4676 , public road: 1942 , above ground utilit: 5280
, railroad: 5280 , property line: 664

10. Current Land Use (Check all that apply):

Crop Land: [ ] Irrigated [ ] Dry land [ ] Improved Pasture [ ] Hay Meadow [ ] CRP
Non-Crop Land: [X] 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: [X] 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 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: 27 - Epping Silt

NRCS Map Unit Name: 45 - Olney Fine Sandy Loam

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: 09/17/2010

List individual species: \_\_\_\_\_

Check all plant communities that exist in the disturbed area.

- Disturbed Grassland (Cactus, Yucca, Cheatgrass, Rye)
- Native Grassland (Bluestern, 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: 4760, water well: 5258, depth to ground water: 140

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 Suppl 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 #20992

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

Signed: \_\_\_\_\_ Date: 10/13/2010 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.

*David S. Neslin*

COGCC Approved: \_\_\_\_\_ Director of COGCC Date: 11/27/2010

**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
2613312	CORRESPONDENCE
400100017	FORM 2A SUBMITTED
400100043	WELL LOCATION PLAT
400100057	LOCATION PICTURES
400100063	NRCS MAP UNIT DESC
400100064	NRCS MAP UNIT DESC
400100066	PROPOSED BMPs
400100153	ACCESS ROAD MAP
400100434	HYDROLOGY MAP
400100435	LOCATION DRAWING
400100437	SURFACE AGRMT/SURETY

Total Attach: 11 Files

**General Comments**

User Group	Comment	Comment Date
Permit	waiting on pilot hole permit	11/2/2010 8:02:01 AM
OGLA	Changed depth to ground water to 140 feet and distance to nearest water well to 4760 feet. Obtained operator concurrence on revisions to Form 2A. Ready to Pass 11/4/2010.	10/19/2010 10:45:23 AM
OGLA	There are no visible improvements within 400 feet of the proposed oil and gas location. The reference area is located on undisturbed ground immediately adjacent to and north of the well pad location. The location photograph looking north is the reference area photograph.	10/19/2010 10:43:50 AM
OGLA	Changed date of interim reclamation to 5/1/2011. Interim reclamation includes restoration of the location to the extent practicable, including removing waste and debris, removing equipment not necessary for production, and stabilization of disturbed areas to minimize erosion. The disturbed areas not needed for production will be revegetated in the first favorable season following rig demobilization per rule 1003.e(2). Weed control should continue throughout drilling, production and reclamation per rule 1003.e.(f).	10/19/2010 10:43:25 AM
Permit	Opr-Michael corrected attachments and SUA. sf	10/14/2010 9:51:10 AM
Permit	Back to draft. Attachments (Hydrology & Loc. Drawing) won't open. Needs stmt of SUA attachment to Form 2.	10/13/2010 3:47:56 PM

Total: 6 comment(s)

**BMP**

<u>Type</u>	<u>Comment</u>

Total: 0 comment(s)