

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



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Document Number:
400096550

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:
420186
Expiration Date:
10/30/2013

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: Larry Brown
Phone: (307) 237-9310
Fax: ()
email: ld_brown@bresnan.net

4. Location Identification:

Name: Pawnee Number: 16-13H
County: WELD
Quarter: NWSW Section: 16 Township: 10N Range: 59W Meridian: 6 Ground Elevation: 5115
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: 1834 feet, from North or South section line: FSL and 413 feet, from East or West section line: FWL
Latitude: 40.835220 Longitude: -103.992170 PDOP Reading: 2.2 Date of Measurement: 09/10/2010
Instrument Operator's Name: Tim Leibert

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 Shack

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: 5113 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: [] Fee [X] State [] Federal [] Indian
Mineral Owner: [] Fee [X] State [] Federal [] Indian
The surface owner is: [X] the mineral owner [X] committed to an oil and gas lease
[X] is the executer of the oil and gas lease [] the applicant
The right to construct the location is granted by: [X] 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:

[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: 5280 , public road: 5280 , above ground utilit: 5280
, railroad: 5280 , property line: 413

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 Loam

NRCS Map Unit Name: 31 - Kim Mitchell Complex

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: 5280, water well: 5280, depth to ground water: 160

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:

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

Signed: _____ Date: 09/30/2010 Email: ld_brown@bresnan.net

Print Name: Larry D. 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: 10/31/2010

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.

Access road will be constructed such that any potential seasonal runoff through North Pawnee Creek and its tributaries will not be impeded. Appropriate measures may include, but not be limited to appropriately sized culvert(s) to allow sufficient flow beneath the access road.

Provide notice to COGCC 48 hours prior to the commencement of construction activities.

Site-specific best management practices must be implemented to prevent fluid and/or sediment runoff from the access road from entering North Pawnee Creek and its tributaries.

Attachment Check List

| Att Doc Num | Name | Doc Description |
|-------------|--------------------|----------------------|
| 2613308 | CORRESPONDENCE | LF@2603998 2613308 |
| 400096550 | FORM 2A SUBMITTED | LF@2597327 400096550 |
| 400096566 | WELL LOCATION PLAT | LF@2597328 400096566 |
| 400096570 | LOCATION DRAWING | LF@2597329 400096570 |
| 400096582 | NRCS MAP UNIT DESC | LF@2597330 400096582 |
| 400096583 | NRCS MAP UNIT DESC | LF@2597331 400096583 |
| 400096584 | PROPOSED BMPs | LF@2597332 400096584 |
| 400096585 | LOCATION PICTURES | LF@2597333 400096585 |
| 400097101 | ACCESS ROAD MAP | LF@2597334 400097101 |
| 400097103 | HYDROLOGY MAP | LF@2597335 400097103 |

Total Attach: 10 Files

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|--------------------------|---|----------------------------|
| OGLA | Obtained operator concurrence on changing reclamation date, designation of reference area, and COAs for access road that crosses intermittent drainages. Ready to Pass 10/26/2010. | 10/19/2010 8:06:12 AM |
| OGLA | The reference area is located on undisturbed ground and is immediately adjacent to and west of the location. The west facing location photograph is the reference area photograph. | 10/19/2010 8:03:50 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 8:03:21 AM |
| Permit | Surface Restoration Bond on file with SLB; per Tim Kelly | 10/14/2010 3:50:01 PM |
| Permit | On Hold State Land board is having a few issues with Whiting. Please hold their permit for several days. | 10/12/2010 2:29:34 PM |
| Agency | E-mailed Tim Kelly at SLB for verification of Surface Restoration bond. | 10/6/2010 10:41:17 AM |
| Permit | Opr - Larry B. corrected upload of attachments. | 10/5/2010 9:05:52 AM |
| Permit | DRAFT: Hydrology and access road attachments are corrupt/emailed opr to reupload | 10/1/2010 2:07:22 PM |

Total: 8 comment(s)

Error: Subreport could not be shown.