

**FORM
2A**Rev
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



DE ET OE ES

Document Number:

400086812

Oil and Gas Location Assessment☐ New Location ☒ Amend Existing Location Location#: 398432

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:

398432

Expiration Date:

10/26/2013☒ 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: Scott Webb

Phone: (303) 390-4095

Fax: (303) 390-4960

email: scottw@whiting.com

4. Location Identification:

Name: WRD Number: 23-33

County: RIO BLANCO

Quarter: NESW Section: 33 Township: 2N Range: 97W Meridian: 6 Ground Elevation: 6169

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: 1927 feet, from North or South section line: FSL and 2237 feet, from East or West section line: FWL

Latitude: 40.096558 Longitude: -108.284692 PDOP Reading: 2.9 Date of Measurement: 07/30/2010

Instrument Operator's Name: B.H

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

Other: _____

6. Construction:

Date planned to commence construction: 10/01/2010 Size of disturbed area during construction in acres: 8.57
Estimated date that interim reclamation will begin: 04/01/2011 Size of location after interim reclamation in acres: 5.50
Estimated post-construction ground elevation: 6167 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: BLM Phone: 970-878-3867
Address: 220 East Market St Fax: _____
Address: _____ Email: _____
City: Meeker State: CO Zip: 81641 Date of Rule 306 surface owner consultation: 08/13/2010
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: _____ ☐ 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: 6728, public road: 3620, above ground utilit: 2747
, railroad: 130152, property line: 1927

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 #1. Abor clay loam, 5 to 30 percent slopes

NRCS Map Unit Name: Map Unit #10. Blazon.moist-Rent-sac complex, 8 to 65 percent slopes

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: 08/13/2010

List individual species: Pinion Juniper

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: 498, water well: 6728, depth to ground water: 300

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:

2170' to seasonal spring. Location is in SWH for Severe Winter Range For Mule Deer.

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

Signed: _____ Date: 08/23/2010 Email: scottw@whiting.com

Print Name: Scott M. Webb Title: Regulatory Coordinator

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: 10/27/2010

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.

Location is in a sensitive area because of proximity to surface water (irrigation ditch to the northwest and intermittent stream to the west); therefore, operator must ensure 110 percent secondary containment for any volume of fluids The location is in an area of high run off/run-on potential; therefore the pad shall be constructed to prevent any stormwater run-on and/or stormwater runoff.

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.

Operator must implement best management practices to contain any unintentional release of fluids.

Location is in a sensitive area because of proximity to surface water (irrigation ditch to the northwest and intermittent stream to the west); therefore, 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., BMPs associated with stormwater management) sufficiently protective of the nearby surface water.

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.

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

Attachment Check List

Att Doc Num	Name	Doc Description
2033357	NRCS MAP UNIT DESC	LF@2540990 2033357
2033364	LOCATION DRAWING	LF@2540991 2033364
2033365	CONST. LAYOUT DRAWINGS	LF@2540992 2033365
2033366	CONST. LAYOUT DRAWINGS	LF@2540993 2033366
2033367	CORRESPONDENCE	LF@2540994 2033367
2933356	NRCS MAP UNIT DESC	LF@2540989 2933356
400086812	FORM 2A SUBMITTED	LF@2536103 400086812
400086865	NRCS MAP UNIT DESC	LF@2536104 400086865
400086867	30 DAY NOTICE LETTER	LF@2536105 400086867
400090187	LOCATION PICTURES	LF@2536106 400090187
400090188	LOCATION PICTURES	LF@2536107 400090188
400090189	LOCATION PICTURES	LF@2536108 400090189
400090190	LOCATION DRAWING	LF@2536109 400090190
400090191	TOPO MAP	LF@2536110 400090191
400090192	REFERENCE AREA MAP	LF@2536111 400090192
400090193	ACCESS ROAD MAP	LF@2536112 400090193
400090196	REFERENCE AREA PICTURES	LF@2536113 400090196
400090197	REFERENCE AREA PICTURES	LF@2536114 400090197
400090198	HYDROLOGY MAP A, TOPO	LF@2536115 400090198
400090199	30 DAY NOTICE LETTER	LF@2536116 400090199

Total Attach: 20 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Added surface owner committed to an oil and gas lease and executer of lease Changed distance to public road to 3,620'	10/15/2010 1:27:48 PM
DOW	CDOW has reviewed the lease agreement between the operator and the WRFO of BLM. CDOW affirms that the stipulations as defined by the lease agreement to be conditions of approval for this location. Submitted by: Ed Winters, Land Use Specialist 14 September 2010 @ 11:55	9/14/2010 11:57:00 AM
OGLA	Initiated/Completed OGLA Form 2A review on 09-09-10 by Dave Kubeczko; requested clarifications and acknowledgement of fluid containment, spill/release BMPs, cuttings low moisture, no pit in fill, reserve pit lined/closed loop, stormwater control BMP COAs from operator on 09-09-10; received clarifications and acknowledgement of COAs from operator on 09-14-10; passed by CDOW on 09-14-10 with operator submitted (with permit application) and BLM stipulations and COAs acceptable; passed OGLA Form 2A review on 09-24-10 by Dave Kubeczko; fluid containment, spill/release BMPs, cuttings low moisture, no pit in fill, reserve pit lined/closed loop, stormwater control BMP COAs.	9/9/2010 3:19:55 PM
Permit	push back to draft well surety ID not needed, location in SWH and missing required attachments	8/24/2010 3:11:53 PM

Total: 4 comment(s)

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