

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:

400445641

Date Received:

07/26/2013

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:

434248

Expiration Date:

09/15/2016

☒ 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: 100185

Name: ENCANA OIL & GAS (USA) INC

Address: 370 17TH ST STE 1700

City: DENVER State: CO Zip: 80202-5632

3. Contact Information

Name: Erin Hochstetler

Phone: (720) 876-5827

Fax: ()

email: erin.hochstetler@encana.com

4. Location Identification:

Name: File Number: 32H-K268

County: WELD

QuarterQuarter: NESW Section: 32 Township: 2N Range: 68W Meridian: 6 Ground Elevation: 4958

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: 1757 feet FSL, from North or South section line, and 1653 feet FWL, from East or West section line.

Latitude: 40.092570 Longitude: -105.031000 PDOP Reading: 2.4 Date of Measurement: 06/13/2013

Instrument Operator's Name: JOHN RICE

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"/>	Wells: <input type="text" value="16"/>	Production Pits: <input type="text"/>	Dehydrator Units: <input type="text"/>
Condensate Tanks: <input type="text"/>	Water Tanks: <input type="text" value="8"/>	Separators: <input type="text" value="16"/>	Electric Motors: <input type="text"/>	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"/>	Pigging Station: <input type="text"/>
Electric Generators: <input type="text"/>	Gas Pipeline: <input type="text"/>	Oil Pipeline: <input type="text"/>	Water Pipeline: <input type="text"/>	Flare: <input type="text"/>
Gas Compressors: <input type="text"/>	VOC Combustor: <input type="text" value="24"/>	Oil Tanks: <input type="text" value="28"/>	Fuel Tanks: <input type="text"/>	

Other: IN ADDITION: 1 ELECTRICAL SKID, 8 BUFFER VESSELS, 8 VRUS, 7 VRTS, 2 VRU DISCHARGE SCRUBBERS, & 16 METER RUNS.

6. Construction:

Date planned to commence construction: 02/01/2015 Size of disturbed area during construction in acres: 10.50
Estimated date that interim reclamation will begin: 02/01/2016 Size of location after interim reclamation in acres: 5.50
Estimated post-construction ground elevation: 4958 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: 05/08/2013
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: 20100017 ☐ 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: 512, public road: 327, above ground utility: 311,
railroad: 10202, property line: 316

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: Symbol 47: Olney fine sandy loam, 1 to 3 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: _____

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: 372, water well: 397, depth to ground water: 8
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:

Depth to ground water taken from water well permit #60421. The File 32H-K268 horizontal wells will be located approximately 1800' west from one of Encana's proposed horizontal locations, HWY 52 32H-O268 (not yet permitted). Encana is working towards utilizing a centralized gathering facility (yet to be permitted) for this location in order to reduce the equipment placed on this site. Due to multiple factors including the timing of necessary permits and operations, Encana is planning this location with two options: 1. All necessary equipment on this location (without centralized gathering) and 2. Minimal equipment placed on this location (with centralized gathering). Option 2 will have the following equipment: 16 separators, 1 pump skid, 2 pig launchers, 3 meter houses and 1 electrical skid and will be reclaimed to 3.5 acres. A temporary completions area approximately 4 acres will be utilized for up to 3 fresh water storage tanks to be used during completions operations. This area will be completely reclaimed. See attached drawing for reference, labeled as 'other'.

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

Signed: _____ Date: 07/26/2013 Email: erin.hochstetler@encana.com
Print Name: Erin Hochstetler Title: Permitting 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: Matthew Lee Director of COGCC Date: 9/16/2013

**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.

COA Type

Description

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Attachment Check List

Att Doc Num

Name

2086270	LOCATION DRAWING
400445641	FORM 2A SUBMITTED
400455942	HYDROLOGY MAP
400455943	NRCS MAP UNIT DESC
400455945	ACCESS ROAD MAP
400455947	MULTI-WELL PLAN
400455948	OTHER
400455949	LOCATION PICTURES
400455953	WASTE MANAGEMENT PLAN

Total Attach: 9 Files

General Comments

User Group

Comment

Comment Date

Permit	Final Review Completed. No LGD or public comment received.	9/13/2013 3:40:23 PM
OGLA	Uploaded new Location Drawing at the request of the Operator.	9/6/2013 11:59:41 AM
Permit	ON HOLD: w/o OGLA's request to change location to new. Per operator 16 wells is the correct total. For the minerals, the operator's land negotiator has that they are committed to a lease but are not the executer. ok to pass.	8/28/2013 4:07:22 PM
Permit	Per the request of the Weld Cty LGD the Public Comment period has been extended 10 days to 8/28/2013.	8/19/2013 10:01:12 AM
Permit	ON HOLD: Requesting correction to number of wells. Under Minerals: the surface owner is the mineral owner is committed to O&G lease. Are the also the executer?	8/19/2013 9:56:37 AM
OGLA	Requesting Location Drawing changes.	8/16/2013 12:55:31 PM
Permit	This form has passed completeness.	7/29/2013 7:25:32 AM

Total: 7 comment(s)

Best Management Practices

No BMP/COA Type

Description

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