

**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:

1813945

Oil and Gas Location Assessment☐ New Location ☒ Amend Existing Location Location#: 334632

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:

334632☒ 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: MIRACLE PFISTER

Phone: (720) 876-3761

Fax: (720) 876-6060

email: MIRACLE.PFISTER@ENCANA.COM

4. Location Identification:

Name: GMU Number: 33-11A (K33NW)

County: GARFIELD

QuarterQuarter: NESW Section: 33 Township: 6S Range: 93W Meridian: 6 Ground Elevation: 6618

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: 2512 feet, from North or South section line: FSL and 1754 feet, from East or West section line: FWL

Latitude: 39.482358 Longitude: -107.783111 PDOP Reading: 4.1 Date of Measurement: 12/11/2007

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

| | | | | | | | | | |
|-----------------------|-----------|----------------|----------|---------------|-----------|------------------|----------|-------------------|----------|
| Special Purpose Pits: | <u>1</u> | Drilling Pits: | <u>0</u> | Wells: | <u>13</u> | Production Pits: | <u>0</u> | Dehydrator Units: | <u>1</u> |
| Condensate Tanks: | <u>6</u> | Water Tanks: | <u>0</u> | Sparators: | <u>13</u> | Electric Motors: | <u>0</u> | Multi-Well Pits: | <u>0</u> |
| Gas or Diesel Motors: | <u>13</u> | Cavity Pumps: | <u>0</u> | LACT Unit: | <u>0</u> | Pump Jacks: | <u>0</u> | Pigging Station: | <u>1</u> |
| Electric Generators: | <u>2</u> | Gas Pipeline: | <u>1</u> | Oil Pipeline: | <u>0</u> | Water Pipeline: | <u>1</u> | Flare: | <u>1</u> |
| Gas Compressors: | <u>0</u> | VOC Combustor: | <u>0</u> | Oil Tanks: | <u>0</u> | Fuel Tanks: | <u>1</u> | | |

Other: WE CURRENTLY STORE OUR WATER AND OIL TOGETHER IN TANKS THAT HAVE BEEN COUNTED ABOVE AS CONDENSATE TANKS, THE SPECIAL PURPOSE PIT IS A CUTTINGS PIT.

6. Construction:

Date planned to commence construction: 08/07/2009 Size of disturbed area during construction in acres: 13.00
Estimated date that interim reclamation will begin: 05/01/2010 Size of location after interim reclamation in acres: 1.61
Estimated post-construction ground elevation: 6618 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: 02/07/2006
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 executor 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: 20020067 ☒ Gas Facility Surety ID: 2005 ☒ Waste Mgmt. Surety ID: 2005

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes ☐ No ☒
Distance, in feet, to nearest building: 532 , public road: 539 , above ground utilit: 532
 , railroad: 16896 , property line: 112

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: MORVAL-TRIDELL COMPLEX # 45

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: BLUESTEM, GRAMA, WHEATGRASS, BUFFALOGRASS, FESCUE, OATGRASS, BROME

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: 830, water well: 512, depth to ground water: 357

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:

THIS EXISTING LOCATION WAS EVALUATED AND APPROVED IN THE GRASS MESA GAP. DOW CONSULTATION WAS PERFORMED FOR THE GAP AND ADDITIONAL APDS WERE SUBMITTED DURING THE INTERIM PERIOD AND HAVE GONE THROUGH DOW CONSULTATION (GMR 33-1, GMR 33-11D & GMU 33-6). NO CHANGES OR ADDITIONAL CONSTRUCTION IS BEING DONE TO THE SURFACE DISTURBANCE THAT HAS ALREADY BEEN CONSIDERED. REFERENCE PICTURES WILL BE TAKEN THIS SUMMER AND FORWARDED TO THE COGCC. A REFERENCE MAP IS NOT INCLUDED BECAUSE THE REFERENCE AREA IS ADJACENT TO THE PAD. A LIST OF STANDARD BMP'S IS ATTACHED.

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

Signed: _____ Date: 07/08/2009 Email: MIRACLE.PFISTER@ENCANA.COM

Print Name: MIRACLE PFISTER Title: _____

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: _____

David S. Nashin

Director of COGCC

Date: 8/31/2009

Condition of Approval

| Comment | User Name | Comment Date |
|---|--------------|--------------|
| Agency | | |
| Special Purpose Pit will be permitted in compliance with Rule 903.a.(2). Pit lining shall be in compliance with rule 904.a.(3). Pit closure shall be in compliance with Rule 905. | | 08/28/2009 |
| Special Purpose Pit will be permitted in compliance with Rule 903.a.(2). Pit lining shall be in compliance with rule 904.a.(3). Pit closure shall be in compliance with Rule 905. | Margaret Ash | 08/31/2009 |

DOW

| | | |
|--|----------------|------------|
| Set and post speed limits below 20mph and caution signs on the access road where allowed by surface owners. Close and immediately reclaim all roads that are redundant, not used regularly, or have been abandoned to the maximum extent possible to minimize disturbance and habitat fragmentation. Reclaim mule deer habitat with native shrubs, grasses, and forbs appropriate to the ecological site disturbed where allowed by surface owner. Use a wildlife-appropriate fence as outlined in the Landowner Guide to Wildlife Friendly Fences: How to Build a Fence with Wildlife in Mind by Montana Fish, Wildlife, and Parks at this location if approved by the surface owner. | Michael Warren | 08/31/2009 |
|--|----------------|------------|

Attachment Check List

| Att Doc Num | Name | Doc Description | Op. Check | File Size |
|-------------|------------------------|--------------------|-----------|-----------|
| 1789199 | LOCATION PICTURES | LF@2096565 1789199 | Y | |
| 1789200 | LOCATION PICTURES | LF@2096561 1789200 | Y | |
| 1789201 | LOCATION PICTURES | LF@2096563 1789201 | Y | |
| 1789202 | LOCATION DRAWING | LF@2096293 1789202 | Y | |
| 1789203 | HYDROLOGY MAP | LF@2096567 1789203 | Y | |
| 1789204 | ACCESS ROAD MAP | LF@2096294 1789204 | Y | |
| 1789206 | NRCS MAP UNIT DESC | LF@2096295 1789206 | Y | |
| 1789209 | CONST. LAYOUT DRAWINGS | LF@2096297 1789209 | Y | |
| 1789212 | PROPOSED BMPs | LF@2096296 1789212 | Y | |
| 1789214 | REFERENCE AREA MAP | LF@2096569 1789214 | Y | |
| 1808379 | WAIVERS | LF@2136392 1808379 | Y | |
| 1808380 | WAIVERS | LF@2136399 1808380 | Y | |
| 1808381 | SURFACE OWNER CONSENT | LF@2136426 1808381 | Y | |
| 1808383 | WAIVERS | LF@2136487 1808383 | Y | |
| 1813945 | FORM 2A | LF@2096292 1813945 | Y | |

Total Attach: 15 Files