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: 400177513

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: **424630**

Expiration Date: **08/06/2014**

☒ 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: Julia Carter

Phone: (720) 876.5240

Fax: (720) 876.6240

email: Julia.Carter@encana.com

4. Location Identification:

Name: SG Number: D36 496

County: GARFIELD

QuarterQuarter: LOT 4 Section: 36 Township: 4S Range: 96W Meridian: 6 Ground Elevation: 8299

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: 451 feet FNL , from North or South section line, and 1028 feet FWL , from East or West section line.

Latitude: 39.664811 Longitude: -108.122917 PDOP Reading: 2.0 Date of Measurement: 08/01/2009

Instrument Operator's Name: Greg Olsen

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

Special Purpose Pits:	0	Drilling Pits:	1	Wells:	28	Production Pits:	0	Dehydrator Units:	0
Condensate Tanks:	0	Water Tanks:	4	Separators:	28	Electric Motors:	6	Multi-Well Pits:	0
Gas or Diesel Motors:	5	Cavity Pumps:	0	LACT Unit:	0	Pump Jacks:	0	Pigging Station:	0
Electric Generators:	3	Gas Pipeline:	2	Oil Pipeline	0	Water Pipeline:	1	Flare:	1
Gas Compressors:	0			VOC Combustor:	0	Oil Tanks:	0	Fuel Tanks:	2

Other: 12 Meter Houses - Please see attached Facilities List

6. Construction:

Date planned to commence construction: 09/01/2011 Size of disturbed area during construction in acres: 9.67

Estimated date that interim reclamation will begin: 05/01/2013 Size of location after interim reclamation in acres: 2.19

Estimated post-construction ground elevation: 8290 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 [ ] Onsite [X] Method: Land Farming [ ] Land Spreading [ ] Disposal Facility [ ]

Other: Recycle & Bury

7. Surface Owner:

Name: _____ Phone: _____

Address: _____ Fax: _____

Address: _____ Email: _____

City: _____ State: _____ Zip: _____ Date of Rule 306 surface owner consultation: _____

Surface Owner: [X] Fee [ ] State [ ] Federal [ ] Indian

Mineral Owner: [ ] Fee [ ] State [X] 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 [X] the applicant

The right to construct the location is granted by: [ ] oil and gas lease [ ] Surface Use Agreement [ ] Right of Way

[X] 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 [X]

Distance, in feet, to nearest building: 65529 , public road: 32168 , above ground utilit: 31129

, railroad: 70157 , property line: 2737

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: 53. Parachute-Rhone Loams; 5 to 30 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 [X] No [ ]

Plant species from: [ ] NRCS or, [X] field observation Date of observation: 08/10/2009

List individual species: Trace of Hounds Tongue

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)
- [X] 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)
- [X] Other (describe): Big Sagebrush, Serviceberry, Rabbitbrush, Oakbrush, Snowberry, Grass, Forbs

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 [X] Yes Was a Rule 901.e. Sensitive Areas Determination performed: [X] No [ ] Yes

Distance (in feet) to nearest surface water: 942 , water well: 5340 , depth to ground water: 30

Is the location in a riparian area: [X] No [ ] Yes Was an Army Corps of Engineers Section 404 permit filed [X] No [ ] Yes

Is the location within a Rule 317B Surface Water Suppl Area buffer zone:

[X] 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:

Encana Oil & Gas (USA) Inc owns surface. Location was onsited 8/12/2009 with the BLM and CDOW. The distances in the cultural section are taken from SG 8504G-36 D36 496.

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

Signed: Date: 06/27/2011 Email: Julia.Carter@encana.com

Print Name: Julia M. Carter Title: Regulatory 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: David S. Neslin **Director of COGCC** Date: 8/7/2011

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.

SITE SPECIFIC COAs:

Reserve pit (or any other pit used to contain/hold fluids) must be lined or a closed loop system must be implemented during drilling.

The nearby hillside must be monitored for any day-lighting of drilling fluids throughout the drilling of the surface casing interval.

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., best management practices (BMPs) associated with stormwater management) sufficiently protective of nearby surface water. Any berm constructed at the well pad location will be stabilized, inspected at regular intervals (at least every 14 days), and maintained in good condition.

Operator must implement best management practices to contain any unintentional release of fluids, including any fluids conveyed via temporary surface pipelines.

Flowback and stimulation fluids must be sent to tanks, separators, or other containment/filtering equipment before the fluids can be placed into any pipeline or pit located on the well pad or into tanker trucks for offsite disposal. The flowback and stimulation fluid tanks, separators, or other containment/filtering equipment must be placed on the well pad in an area with additional downgradient perimeter berming. The area where flowback fluids will be stored/reused must be constructed to be sufficiently impervious to contain any spilled or released material.

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, if the drill cuttings are to be left onsite, they must also meet the applicable standards of table 910-1.

Operator must comply with all provisions of the June 12, 2008 Notice to Operators (NTO) Drilling Wells Within ¾ Mile of the Rim of the Roan Plateau in Garfield County – Pit Design, Construction, and Monitoring Requirements.

Attachment Check List

Att Doc Num	Name
2033943	CORRESPONDENCE
400177513	FORM 2A APPROVED
400179212	LOCATION PICTURES
400179213	LOCATION DRAWING
400179214	HYDROLOGY MAP
400179216	ACCESS ROAD MAP
400179221	REFERENCE AREA MAP
400179226	NRCS MAP UNIT DESC
400179227	CONST. LAYOUT DRAWINGS
400179228	MULTI-WELL PLAN
400179230	OTHER
400192976	FORM 2A SUBMITTED

Total Attach: 12 Files

General Comments

User Group	Comment	Comment Date
DOW	These comments are a resubmittle of the comments made on June 28, 2011 at 4:06 P.M. The BMPs as submitted by the operator are applicable to the site. This permit well pad falls withing the boundary of an Encana-CDOW Wildlife Mitigation Plan.The BMPs of the WMP apply per the agreement. Michael WarrenFriday, August 5, 2011 at 10:50 A.M.	8/5/2011 10:49:50 AM
Permit	Added Related Forms inforamtion to tab	7/27/2011 9:23:10 AM
OGLA	Initiated/Completed OGLA Form 2A review on 07-08-11 by Dave Kubeczko; requested acknowledgement of fluid containment, spill/release BMPs, lined pits/closed loop, moisture content cuttings, flowback to tanks, hillside monitoring, and Roan Rim NTO COAs from operator on 07-08-11; received no acknowledgement of COAs from operator; passed by CDOW on 08-05-11 with operator agreed to BMPs and WMP, as well as BLM stipulations and COAs acceptable; passed OGLA Form 2A review on 08-05-11 by Dave Kubeczko; fluid containment, spill/release BMPs, lined pits/closed loop, moisture content cuttings, flowback to tanks, hillside monitoring, and Roan Rim NTO COAs.	7/8/2011 6:32:42 PM

Total: 3 comment(s)

BMP

Type	Comment
Construction	-Use multiple gathering lines placed in a single trench to minimize disturbance and construction, where appropriate, economically and technically feasible. -Install pipeline crossings at right angles to the drainages, wetlands, and perennial water bodies, where appropriate, economically and technically feasible. -Maintain a minimum of five feet of soil cover between the pipeline and the lowest point of the drainage or water body channel.
Wildlife	-Install trench plugs (sloped to allow wildlife or livestock to exit the trench should they enter) at known wildlife or livestock trails to allow safe crossing on long spans of open trench, where appropriate, economically and technically feasible. -Perform biological surveys (on-site) for each new development, using the most recent data sets for wildlife and aquatic resources. -Perform pre-disturbance surveys when the on-site inspection and commencement of disturbance occur in different field seasons using the most recent data sets for wildlife and aquatic resources. -Utilize the Encana Wildlife Resources Matrix to identify and document (where appropriate) potential impacts or concerns during the project planning phase for proposed drilling operations and construction of roads, pads and pipelines. -Use enclosed, locking garbage receptacles or implement a strict daily trash removal regime on each temporary or permanent work location.
Site Specific	-Use solar panels as an alternative energy source for on-location production equipment, where appropriate, economically and technically feasible. -Prohibit Encana employees and contractors from carrying projectile weapons on Encana property, except during company organized events. -Prohibit pets on Encana property. -Strategically apply fugitive dust control measures, including enforcing established speed limits on Encana private roads, to reduce fugitive dust and coating of vegetation and deposition in water sources.

Total: 3 comment(s)