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: 400213864

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: **427300**

Expiration Date: **01/14/2015**

☐ 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: 100322

Name: NOBLE ENERGY INC

Address: 1625 BROADWAY STE 2200

City: DENVER State: CO Zip: 80202

3. Contact Information

Name: Tania McNutt

Phone: (303) 228-4392

Fax: (303) 338-4286

email: tmcnutt@nobleenergyinc.com

4. Location Identification:

Name: BM COMPRESSOR PAD Number: _____

County: GARFIELD

QuarterQuarter: SESE Section: 11 Township: 7S Range: 95W Meridian: 6 Ground Elevation: 6740

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: 105 feet FSL , from North or South section line, and 491 feet FEL , from East or West section line.

Latitude: 39.446058 Longitude: -107.958930 PDOP Reading: 2.7 Date of Measurement: 08/26/2011

Instrument Operator's Name: J. KIRKPATRICK

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

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

Other: COMPRESSOR PAD LOCATION ONLY - EQUIPMENT TO BE DETERMINED LATER.

6. Construction:

Date planned to commence construction: 03/01/2012 Size of disturbed area during construction in acres: 12.80

Estimated date that interim reclamation will begin: 03/01/2013 Size of location after interim reclamation in acres: 12.80

Estimated post-construction ground elevation: 6735 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: COMPRESSOR PAD LOCATION

7. Surface Owner:

Name: _____ Phone: _____

Address: _____ Fax: _____

Address: _____ Email: _____

City: _____ State: _____ Zip: _____ Date of Rule 306 surface owner consultation: 08/26/2011

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: 20030009 ☐ 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: 3759 , public road: 3355 , above ground utilit: 3759

, railroad: 10121 , property line: 354

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 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: 12. Bucklon-Inchau Loams, 25 - 50 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: Gambrel Oak, Elk Sledge, Mountain Brome, Utah Serviceberry, Common Snowberry, Slender Wheatgrass, Western Wheatgrass

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): RANGELAND

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: 900 , water well: 3900 , depth to ground water: 125

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:

COMPRESSOR PAD - LOCATION ONLY. NO PLANS ARE INCLUDED FOR ACTUAL EQUIPMENT (COMPRESSORS, PIPING, ETC.) ON PAD. THIS INFORMATION WILL BE DETERMINED AT A LATER DATE.An H2S contingency plan has been attached, per Corporate Policy, although there will be no penetration of the soil/earth, just surface disturbance in the pad construction and future placement of the compressor equipment.

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

Signed: Date: 12/15/2011 Email: tmcnutt@nobleenergyinc.com

Print Name: Tania McNutt 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: 1/15/2012

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.

GENERAL SITE COAs:

Notify COGCC Oil and Gas Location Assessment (OGLA) Specialist for Western Colorado (Dave Kubeczko; email dave.kubeczko@state.co.us) 48 hours prior to start of construction.

Operator must ensure secondary containment for any volume of fluids contained at the site during natural gas activities and 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.

The access road will be constructed to prevent sediment migration from the access road to nearby surface water or any drainages leading to other nearby surface waters. Strategically apply fugitive dust control measures, including enforcing established speed limits on private roads, to reduce fugitive dust and coating of vegetation and deposition in water sources.

The surface soils and materials are fine-grained and moderately unconsolidated and the slopes to the south are very steep; therefore the pad shall be constructed as quickly as possible and appropriate BMPs need to be in place both during, after compressor pad construction completion, as well as during all operations. Standard stormwater BMPs must be implemented at this location to insure compliance with CDPHE and COGCC requirements and to prevent any stormwater run-on and /or stormwater runoff.

All tanks and aboveground vessels containing fluids must have secondary containment structures. All secondary containment structures/areas must be lined. Operator must ensure 150 percent secondary containment for the largest structure containing fluids within each bermed area the facility during operations. The construction and lining of the secondary containment structures/areas shall be supervised by a professional engineer or their agent.

Berms or other containment devices shall be constructed in compliance with Rule 604.a.(4) around crude oil, condensate, and produced water storage tanks.

Operator shall implement reasonable noise reduction equipment on compressors and other production equipment or add sound barriers to limit noise levels at property boundaries. Operator shall comply with the applicable noise levels presented in Rule 802. Noise Abatement.

Attachment Check List

Att Doc Num	Name
2034119	CORRESPONDENCE
400213864	FORM 2A SUBMITTED
400233057	H2S CONTINGENCY PLAN
400233059	SURFACE AGRMT/SURETY
400233060	NRCS MAP UNIT DESC
400233062	NRCS MAP UNIT DESC
400233247	ACCESS ROAD MAP
400233248	CONST. LAYOUT DRAWINGS
400233250	LOCATION DRAWING
400233982	HYDROLOGY MAP
400233998	REFERENCE AREA PICTURES
400233999	LOCATION PICTURES

Total Attach: 12 Files

General Comments

User Group	Comment	Comment Date
Permit	No public or LGD comments Comprehensive Final Review status -- Passed	1/11/2012 11:54:49 AM
OGLA	Initiated/Completed OGLA Form 2A review on 12-27-11 by Dave Kubeczko; requested acknowledgement of fluid containment, spill/release BMPs, access road sediment control, pad construction BMPs, tank berming, lined bermed areas, and sound mitigation COAs from operator on 12-27-11; received acknowledgement of COAs from operator on 01-04-12; passed by CPW on 12-27-11 with recommendation that 800 series rules be followed; passed OGLA Form 2A review on 01-10-12 by Dave Kubeczko; fluid containment, spill/release BMPs, access road sediment control, pad construction BMPs, tank berming, lined bermed areas, and sound mitigation COAs.	12/27/2011 12:36:48 PM
DOW	CPW requests that the operator and COGCC ensure that applicable sections of the 800 Series Rule be applied to the site and facility, and that monitoring as appropriate and depicted in Rule be completed. Tuesday, December 27, 2011 at 9:20 a.m.	12/27/2011 9:17:35 AM
Permit	Operator has attached location pictures and addressed all completeness issues. This form has passed completeness.	12/20/2011 6:17:26 AM
Permit	Returned to draft. Missing lcoation photos.	12/19/2011 2:55:23 PM
Permit	Returned to draft. Missing lcoation photos.	12/16/2011 10:58:04 AM
Permit	Returned to draft. This location is in a SWA. Missing estimated post ground construction elevation and NRCS soil types. Hydrology, location drawing, and access road map attachments missing.	12/16/2011 6:26:24 AM

Total: 7 comment(s)

BMP

Type	Comment
Storm Water/Erosion Control	• Stormwater management practices during construction and interim reclamations phases in accordance with CDPHE regulations. • Stormwater management practices in accordance with COGCC rules throughout the operating life of the locations.
General Housekeeping	• Waste minimization practices including re-use and recycling when practicable. • Waste management (handling and disposal) practices in accordance with COGCC rules and RCRA guidelines as applicable. • Good housekeeping practices relative to overall site condition.
Wildlife	Bird protection practices in accordance with the Migratory Bird Act.
Interim Reclamation	Use of portable toilets whenever long-term activities are occurring onsite.
Drilling/Completion Operations	• Spill reporting and cleanup per COGCC guidelines, EPA regulations, CDPEH regulations, and Noble Energy Inc. policies.
Planning	• Traffic minimization practices whenever possible in order to reduce dust, noise, congestion, road maintenance. • Noise minimization. • Use of multi-well pad sites for the purpose of minimizing areas of disturbance, traffic, and environmental impact. • Proper reclamation and reseeding practices in accordance with COGCC rules, landowner requirements and BLM stipulations as applicable
Material Handling and Spill Prevention	• Spill Prevention Control and Countermeasure (SPCC) Plans in accordance with 40 CFR, Part 112. • Secondary containment for oil and produced water vessels in accordance with COGCC rules.

Total: 7 comment(s)