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

Oil and Gas Location Assessment

Document Number: 400226280

Date Received: 03/05/2012

☒ 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: **428380**

Expiration Date: **03/29/2015**

☐ 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: MARI CLARK

Phone: (303) 228-4413

Fax: (303) 228-4286

email: mclark@nobleenergyinc.com

4. Location Identification:

Name: REI H Number: 17-21D TANK

County: WELD

QuarterQuarter: SWNW Section: 17 Township: 3N Range: 65W Meridian: 6 Ground Elevation: 4928

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: 1610 feet FNL , from North or South section line, and 1298 feet FWL , from East or West section line.

Latitude: 40.228220 Longitude: -104.692180 PDOP Reading: 1.5 Date of Measurement: 10/10/2011

Instrument Operator's Name: BRIAN BRINKMAN

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:	8	Electric Motors:		Multi-Well Pits:	
Gas or Diesel Motors:		Cavity Pumps:		LACT Unit:		Pump Jacks:		Pigging Station:	
Electric Generators:		Gas Pipeline:	2	Oil Pipeline		Water Pipeline:		Flare:	
Gas Compressors:		VOC Combustor:	5	Oil Tanks:	8	Fuel Tanks:	

Other: 7 BURIED CEMENT PRODUCED H2O VAULTS, 8 EFM, 9 - 3 PHASE FLOW LINES. SEE COMMENTS FOR ASSOCIATED WELLS.

6. Construction:

Date planned to commence construction: 05/01/2012 Size of disturbed area during construction in acres: 2.00

Estimated date that interim reclamation will begin: 07/01/2012 Size of location after interim reclamation in acres: 1.50

Estimated post-construction ground elevation: 4928 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: REI LLC Phone:

Address: 6025 S LIMA Fax:

Address: Email:

City: ENGLEWOOD State: CO Zip: 80111 Date of Rule 306 surface owner consultation: 10/12/2011

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 20030012

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: 2720 , public road: 1290 , above ground utilit: 3898

, railroad: 5281 , property line: 1298

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: 69– VALENT SAND, 0-3% SLOPES

NRCS Map Unit Name: 70 - VALENT SAND, 3-9% 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: 10/12/2011

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: 3265 , water well: 2059 , depth to ground water: 75

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:

PERMIT #6844-- A USED FOR STATIC H2O LEVEL - LOCATED APPROX. 2059' SE OF SITE. NEAREST RAILROAD IS GREATER THAN 1 MILE. THE REFERENCE AREA IS ON UNDISTURBED GROUND IMMEDIATELY ADJACENT TO AND SOUTH OF THE OF THE FACILITY LOCATION AS SHOWN IN THE REFERENCE AREA PHOTO FACING SOUTH. EXISTING LOCATION (NO FACILITY #) NOBLE EXISTING EQUIPMENT = 4 OIL TANKS, 3 SEPARATORS, 3 H2O VAULTS, 3 EFM, 2 VOC COMBUSTORS, 6 3 PHASE FLOW LINES, & 1 GAS PIPELINE. KERR MCGEE EXISTING EQUIPMENT = 1 OIL TANK, 2 SEPARATORS, 2 EFM, 1 VOC COMBUSTOR & 1 H2O VAULT. KM OPERATED WELLS = UPRR 22 PAN AM UT/S 2 & HSR-REI 3-17A. ADDING EQUIPMENT = 3 TANKS, 3 SEPARATORS, 3 H2O VAULTS, 3 EFM, 2 VOC COMBUSTORS, 3 3 PHASE FLOW LINES & 1 GAS PIPELINE TOTALLING EQUIPMENT LISTED IN FACILITIES & CONSTRUCTION #1. SEE LOCATION DRAWING FOR NOBLE ASSOCIATED WELLS.

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

Signed: Date: 03/05/2012 Email: mclark@nobleenergyinc.com

Print Name: MARI CLARK Title: REG. ANALYST II

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: **Director of COGCC** Date: 3/30/2012

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.

Attachment Check List

Att Doc Num	Name
400226280	FORM 2A SUBMITTED
400257928	ACCESS ROAD MAP
400257929	HYDROLOGY MAP
400257930	LOCATION DRAWING
400257931	LOCATION PICTURES
400257932	NRCS MAP UNIT DESC
400257933	REFERENCE AREA PICTURES
400257934	WASTE MANAGEMENT PLAN

Total Attach: 8 Files

General Comments

User Group	Comment	Comment Date
Permit	Final review complete.	3/28/2012 9:47:59 AM
OGLA	OK to pass.	3/12/2012 8:16:32 PM
Permit	Ready to pass pending public comment 3/27/12	3/12/2012 9:08:39 AM

Total: 3 comment(s)

BMP

Type	Comment
General Housekeeping	Housekeeping will consist of neat and orderly storage of materials and fluids. Wastes will be temporarily stored in sealed containers and regularly collected and disposed of at offsite, suitable facilities. If spills occur prompt cleanup is required to minimize any commingling of waste materials with stormwater runoff. Routine maintenance will be limited to fueling and lubrication of equipment. Drip pans will be used during routine fueling and maintenance to contain spills or leaks. Any waste product from maintenance will be containerized and transported offsite for disposal or recycling. There will be no major equipment overhauls conducted onsite. Equipment will be transported offsite for major overhauls. Cleanup of trash and discarded materials will be conducted at the end of each work day. Cleanup will consist of patrolling the roadway, access areas, and other work areas to pickup trash, scrap debris, other discarded materials, and any contaminated soil. These materials will be disposed of properly.
Material Handling and Spill Prevention	Spill Prevention Control and Countermeasures (SPCC) plans are in place to address any possible spill associated with Oil & Gas operations throughout the state of Colorado in accordance with CFR 112.
Storm Water/Erosion Control	Stormwater management plans (SWMP) are in place to address construction, drilling and operations associated with Oil & Gas development throughout the state of Colorado in accordance with Colorado Department of Public Health and Environment (CDPHE) General Permit No. COR-038637. BMP's will be constructed around the perimeter of the site prior to, or at the beginning of construction. BMP's used will vary according to the location, and will remain in place until the pad reaches final reclamation.

Total: 3 comment(s)