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: 400052327

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 stand alone application or submitted as an informational report accompanying an Application for Permit-To-Drill, Form 2. Approvalof 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:

Expiration Date:

☒ 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: Cheryl Johnson

Phone: (303) 228-4437

Fax: (303) 228-4286

email: cheryljohnson@nobleenergyinc.com

4. Location Identification:

Name: Booth N Multi Number: 25-20D

County: WELD

QuarterQuarter: SWSE Section: 25 Township: 5N Range: 67W Meridian: 6 Ground Elevation: 4926

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: 686 feet, from North or South section line: FSL and 2441 feet, from East or West section line: FEL

Latitude: 40.365160 Longitude: -104.840810 PDOP Reading: 1.5 Date of Measurement: 12/17/2009

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

Special Purpose Pits:		Drilling Pits:		Wells:	4	Production Pits:		Dehydrator Units:	
Condensate Tanks:		Water Tanks:		Separators:	3	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:	1	Oil Tanks:	3	Fuel Tanks:			

Other: 4 3-three phase flowlines, 3 EFM, 3 water vaults, 3 gas pipelines

6. Construction:

Date planned to commence construction: 06/01/2010 Size of disturbed area during construction in acres: 3.00

Estimated date that interim reclamation will begin: 07/01/2010 Size of location after interim reclamation in acres: 1.00

Estimated post-construction ground elevation: 4926 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 [X] Onsite [ ] Method: Land Farming [X] Land Spreading [ ] Disposal Facility [ ]

Other:

7. Surface Owner:

Name: Booth Land & Livestock Phone: 970 302-4572

Address: PO Box 72 Fax:

Address: Email:

City: Lucerne State: CO Zip: 80615 Date of Rule 306 surface owner consultation: 12/28/2009

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

Mineral Owner: [X] 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 [X] Blanket Surety ID 20030012

8. Reclamation Financial Assurance:

[X] 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 [X]

Distance, in feet, to nearest building: 387 , public road: 671 , above ground utilit: 335

, railroad: 5280 , property line: 686

10. Current Land Use (Check all that apply):

Crop Land: [ ] Irrigated [ ] Dry land [X] 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 [X] 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: Colby Loam, 1-9%

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 (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: 187 , water well: 730 , depth to ground water: 1

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:

Nearest surface water is irrigation canal. Next closest surface water is a stream that is 243 ft away. Closest water water (permit 266384) has no static water level; nor does the next closest 276712. Per DWR website there's an issue with both ww permits. Multi-well pad: Booth N25-20D and Booth N25-24D will commingle.

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

Signed: _____ Date: _____ Email: cheryljohnson@nobleenergyinc.com

Print Name: Cheryl Johnson 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: _____ **Director of COGCC** Date: _____

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	Doc Description
400055225	LOCATION PICTURES	Booth N25-20D Loc Pics.pdf
400055226	LOCATION DRAWING	Booth N25-20D Loc Drawing.pdf
400055227	HYDROLOGY MAP	Booth N25-20D Hydrology Map.pdf
400055228	ACCESS ROAD MAP	Booth N25-20D Access Rd Map.pdf
400055230	NRCS MAP UNIT DESC	Booth N25-20D NRCS rpt.pdf
400055231	MULTI-WELL PLAN	Booth N25-20D Multi-well plan.pdf
400055233	PROPOSED BMPs	Noble BMP 2010.pdf

Total Attach: 7 Files