

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



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Document Number:
400094134

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. 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:

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: Susan Miller
Phone: (303) 228-4246
Fax: (303) 228-4286
email: smiller@nobleenergyinc.com

4. Location Identification:

Name: KLEIN Number: B16-99HZ
County: WELD
Quarter: SESE Section: 16 Township: 5N Range: 64W Meridian: 6 Ground Elevation: 4607

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: 312 feet, from North or South section line: FSL and 809 feet, from East or West section line: FEL

Latitude: 40.392960 Longitude: -104.548380 PDOP Reading: 2.0 Date of Measurement: 08/25/2010

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: 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: One 3-phase flowline will be installed at each wellhead to the production facility which will be located on the same location and dedicated to the location being permitted.

6. Construction:

Date planned to commence construction: 12/01/2010 Size of disturbed area during construction in acres: 5.00

Estimated date that interim reclamation will begin: 02/01/2011 Size of location after interim reclamation in acres: 2.00

Estimated post-construction ground elevation: 4607 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: CLOSED LOOP

7. Surface Owner:

Name: LOWER LATHAM RESERVOIR CO Phone: _____

Address: 300 16TH ST., STE. 309 Fax: _____

Address: _____ Email: _____

City: GREELEY State: CO Zip: 80631 Date of Rule 306 surface owner consultation: 08/20/2010

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 Mgmt. Surety ID: _____

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes No

Distance, in feet, to nearest building: 375, public road: 317, above ground utilit: 344
, railroad: 2900, property line: 274

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: 69 - VALENT SAND, 0-3% SLOPES
NRCS Map Unit Name: 1 - ALTVAN LOAM, 0-1% SLOPES
NRCS Map Unit Name: 47 - OLNEY FINE SANDY LOAM, 1-3% SLOPES

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: 08/25/2010
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: 80, water well: 344, depth to ground water: 15
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 water well permit no. 20146-F, static level 15', approved for non-consumptive use in the Kersey sewage plant for washing & cleaning purposes; second nearest water well permit no. 67891-F, 382' from well, approved for non-consumptive use as spray for cleaning headworks and separating solids at Kersey sewage plant. No surface water was visible. The pad will be situated to avoid a berm located 262' east of location. This is part of a 3-well, multi-well pad which includes: proposed Klein B16-99HZ (ref well), Klein B16-98HZ, Klein B15-13D. The proposed production facility will service the 3 aforementioned wells. The reference area is located immediately adjacent to the location on undisturbed land to the south as shown on the attached reference area photo. The disturbed area 50' to the SW is shown as a gravel pit but appears to not be in use. All dirt and construction materials for the pad will be transported in.

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

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

Print Name: Susan Miller Title: Regulatory 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: _____

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
400094152	ACCESS ROAD MAP	Access Rd Map.pdf
400094153	PROPOSED BMPs	BMP's.pdf
400094154	HYDROLOGY MAP	Hydro Maps.pdf
400094155	LOCATION DRAWING	Loc Drawing.pdf
400094157	LOCATION PICTURES	Loc Photos.pdf
400094159	MULTI-WELL PLAN	Multi Well Plan.pdf
400094160	NRCS MAP UNIT DESC	Soils.pdf

Total Attach: 7 Files