

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:

1757409

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:

413324

Expiration Date:

09/28/2012
☒ 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: EILEEN ROBERTS

Phone: (303) 228-4330

Fax: (303) 228-4286

email: EROBERTS@NOBLEENERGYIN
C.COM

4. Location Identification:

Name: GEMINI K

Number: 01-99HZ

County: WELD

QuarterQuarter: SESE Section: 1 Township: 4N Range: 66W Meridian: 6 Ground Elevation: 4694

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: 1089 feet, from North or South section line: FSL and 219 feet, from East or West section line: FEL

Latitude: 40.337300 Longitude: -104.716300 PDOP Reading: 1.3 Date of Measurement: 05/18/2009

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

Special Purpose Pits: <input type="text"/>	Drilling Pits: <input type="text" value="1"/>	Wells: <input type="text" value="2"/>	Production Pits: <input type="text" value="2"/>	Dehydrator Units: <input type="text"/>
Condensate Tanks: <input type="text"/>	Water Tanks: <input type="text"/>	Separators: <input type="text" value="2"/>	Electric Motors: <input type="text"/>	Multi-Well Pits: <input type="text"/>
Gas or Diesel Motors: <input type="text"/>	Cavity Pumps: <input type="text"/>	LACT Unit: <input type="text"/>	Pump Jacks: <input type="text"/>	Pigging Station: <input type="text"/>
Electric Generators: <input type="text" value="2"/>	Gas Pipeline: <input type="text" value="1"/>	Oil Pipeline: <input type="text"/>	Water Pipeline: <input type="text"/>	Flare: <input type="text"/>
Gas Compressors: <input type="text"/>	VOC Combustor: <input type="text" value="2"/>	Oil Tanks: <input type="text" value="2"/>	Fuel Tanks: <input type="text" value="2"/>	

Other: _____

6. Construction:

Date planned to commence construction: 10/01/2009 Size of disturbed area during construction in acres: 5.00
Estimated date that interim reclamation will begin: 10/31/2009 Size of location after interim reclamation in acres: 1.00
Estimated post-construction ground elevation: 4694 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: BERNICE LOEFFLER TRUST Phone: _____
Address: 23079 HWY 85 Fax: _____
Address: _____ Email: _____
City: LASALLE State: CO Zip: 80645 Date of Rule 306 surface owner consultation: 05/18/2009
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: 277, public road: 410, above ground utilit: 402
, railroad: 650, property line: 219

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 TO 3% 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: _____

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: 2000, water well: 662, depth to ground water: 19

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 Supply 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:

WE ARE DRILLING THE GEMINI K 01-99HZ WITH THE GEMINI G 06-33. DUE TO SHALLOW GROUNDWATER (APPROXIMATELY 19 FEET BGS), THE PROPOSED WELL PAD AREA HAS BEEN DESIGNATED A SENSITIVE AREA, THUS REQUIRING EITHER A CLOSED LOOP SYSTEM OR LINED DRILLING PIT.

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

Signed: _____ Date: 07/08/2009 Email: EROBERTS@NOBLEENERGYINC.COM

Print Name: EILEEN ROBERTS Title: REGULATORY SPECIALIST

Surface Owner Information

Owner Name	Address	Phone	Fax	Email
BERNICE LOEFFLER TRUST	23079 HWY 85 LASALLE, CO 80645			
ELMER V. LOEFFLER TRUST	23079 HWY 85 LASALLE, CO 80645			

2 Surface Owner(s)

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 G. Nashin Director of COGCC Date: 9/29/2009

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
1757409	FORM 2A APPROVED	1757409.pdf
1757410	LOCATION PICTURES	LF@2096555 1757410
1757411	LOCATION PICTURES	LF@2096553 1757411
1757412	LOCATION PICTURES	LF@2096551 1757412
1757413	LOCATION DRAWING	LF@2096559 1757413
1757414	HYDROLOGY MAP	LF@2096557 1757414
1757415	ACCESS ROAD MAP	LF@2096290 1757415
1757416	NRCS MAP UNIT DESC	LF@2096291 1757416
2032608	CORRESPONDENCE	LF@2154409 2032608
400009247	FORM 2A	LF@2096289 400009247

Total Attach: 10 Files

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
	Oil and Gas Location Assessment			Document Number: 1757409			
<input checked="" type="checkbox"/> New Location <input type="checkbox"/> Amend Existing Location Location#: _____				Location ID: 413324 Expiration Date: 09/28/2012			
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<input checked="" type="checkbox"/> This location assessment is included as part of a permit application.							

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3. Contact Information

Name: EILEEN ROBERTS

Phone: (303) 228-4330

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email: EROBERTS@NOBLEENERGYIN C.COM

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County: WELD

QuarterQuarter: SESE Section: 1 Township: 4N Range: 66W Meridian: 6 Ground Elevation: 4694

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Mud disposal: Offsite ☒ Onsite ☐ Method: Land Farming ☐ Land Spreading ☐ Disposal Facility ☒

Other: _____

7. Surface Owner:

Name: ELMER V. LOEFFLER TRUST Phone: _____
Address: 23079 HWY 85 Fax: _____
Address: _____ Email: _____
City: LASALLE State: CO Zip: 80645 Date of Rule 306 surface owner consultation: 05/18/2009
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 _____

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Subdivided: ☐ Industrial ☐ Commercial ☐ Residential

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☐ Other (describe): _____

14. Water Resources:

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Is this a sensitive area: ☐ No ☒ Yes Was a Rule 901.e. Sensitive Areas Determination performed: ☒ No ☐ Yes

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

Signed: _____ Date: 07/08/2009 Email: EROBERTS@NOBLEENERGYINC.COM

Print Name: EILEEN ROBERTS Title: REGULATORY
SPECIALIST

Surface Owner Information

Owner Name	Address	Phone	Fax	Email
BERNICE LOEFFLER TRUST	23079 HWY 85 LASALLE, CO 80645			
ELMER V. LOEFFLER TRUST	23079 HWY 85 LASALLE, CO 80645			

2 Surface Owner(s)

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: 9/29/2009

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

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