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|---|--|---|--|--|-------------------------------------|---------------------------------------|---------------------------------------|--|--|-----------------------------------|----------------------------------|---------------------------------------|---------------------------------------|--|------------------------------------|---------------------------------|--|---------------------------------------|---|------------------------------------|------------------------------------|--------------------------------------|-----------------------------|---------------------------------------|-------------------------------------|---------------------------------|----------------------------------|--|
| <b>FORM</b><br><b>2A</b><br>Rev<br>04/01  | <b>State of Colorado</b><br><b>Oil and Gas Conservation Commission</b><br>1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109 |    | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">DE</td> <td style="width: 25%;">ET</td> <td style="width: 25%;">OE</td> <td style="width: 25%;">ES</td> </tr> </table> <p style="text-align: center;">Document Number:<br/>400133303</p> | DE   | ET                                  | OE                                    | ES                                    |  |  |                                   |                                  |                                       |                                       |  |                                    |                                 |  |                                       |   |                                    |                                    |                                      |                             |                                       |                                     |                                 |                                  |  |
| DE  | ET   | OE  | ES   |  |                                     |                                       |                                       |  |  |                                   |                                  |                                       |                                       |  |                                    |                                 |  |                                       |   |                                    |                                    |                                      |                             |                                       |                                     |                                 |                                  |  |
| <b>Oil and Gas Location Assessment</b>  |  |   | <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">         Location ID:<br/> <b>419470</b> </div> <div style="border: 1px solid black; padding: 5px;">         Expiration Date:<br/> <b>04/10/2014</b> </div>   |  |                                     |                                       |                                       |  |  |                                   |                                  |                                       |                                       |  |                                    |                                 |  |                                       |   |                                    |                                    |                                      |                             |                                       |                                     |                                 |                                  |  |
| <input type="checkbox"/> New Location <input checked="" type="checkbox"/> Amend Existing Location      Location#: <u>419470</u>   |  |   |  |  |                                     |                                       |                                       |  |  |                                   |                                  |                                       |                                       |  |                                    |                                 |  |                                       |   |                                    |                                    |                                      |                             |                                       |                                     |                                 |                                  |  |
| <p>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 <a href="http://colorado.gov/cogcc/">http://colorado.gov/cogcc/</a> for all accompanying information pertinent to this Oil and Gas Location Assessment.</p>   |  |   |  |  |                                     |                                       |                                       |  |  |                                   |                                  |                                       |                                       |  |                                    |                                 |  |                                       |   |                                    |                                    |                                      |                             |                                       |                                     |                                 |                                  |  |
| <input checked="" type="checkbox"/> This location assessment is included as part of a permit application.   |  |   |  |  |                                     |                                       |                                       |  |  |                                   |                                  |                                       |                                       |  |                                    |                                 |  |                                       |   |                                    |                                    |                                      |                             |                                       |                                     |                                 |                                  |  |
| <b>1. CONSULTATION</b><br><input type="checkbox"/> This location is included in a Comprehensive Drilling Plan. CDP # _____<br><input type="checkbox"/> This location is in a sensitive wildlife habitat area.<br><input type="checkbox"/> This location is in a wildlife restricted surface occupancy area.<br><input type="checkbox"/> This location includes a Rule 306.d.(1)A.ii. variance request.  |  |   |  |  |                                     |                                       |                                       |  |  |                                   |                                  |                                       |                                       |  |                                    |                                 |  |                                       |   |                                    |                                    |                                      |                             |                                       |                                     |                                 |                                  |  |
| <b>2. Operator</b><br>Operator Number: <u>100322</u><br>Name: <u>NOBLE ENERGY INC</u><br>Address: <u>1625 BROADWAY STE 2200</u><br>City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u>   |  | <b>3. Contact Information</b><br>Name: <u>MARI CLARK</u><br>Phone: <u>(303) 228-4413</u><br>Fax: <u>(303) 228-4286</u><br>email: <u>mclark@nobleenergyinc.com</u> |  |  |                                     |                                       |                                       |  |  |                                   |                                  |                                       |                                       |  |                                    |                                 |  |                                       |   |                                    |                                    |                                      |                             |                                       |                                     |                                 |                                  |  |
| <b>4. Location Identification:</b><br>Name: <u>SCHOLFIELD STATE A</u> Number: <u>36-69HN</u><br>County: <u>WELD</u><br>QuarterQuarter: <u>NWNW</u> Section: <u>36</u> Township: <u>6N</u> Range: <u>64W</u> Meridian: <u>6</u> Ground Elevation: <u>4630</u><br>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.<br>Footage at surface: <u>300</u> feet <u>FNL</u> , from North or South section line, and <u>489</u> feet <u>FWL</u> , from East or West section line.<br>Latitude: <u>40.449320</u> Longitude: <u>-104.506050</u> PDOP Reading: <u>2.6</u> Date of Measurement: <u>01/24/2011</u><br>Instrument Operator's Name: <u>DAVID C HOLMES</u>   |  |   |  |  |                                     |                                       |                                       |  |  |                                   |                                  |                                       |                                       |  |                                    |                                 |  |                                       |   |                                    |                                    |                                      |                             |                                       |                                     |                                 |                                  |  |
| <b>5. Facilities (Indicate the number of each type of oil and gas facility planned on location):</b><br><table style="width: 100%;"> <tr> <td>Special Purpose Pits: <input type="text"/></td> <td>Drilling Pits: <input type="text"/></td> <td>Wells: <input type="text" value="4"/></td> <td>Production Pits: <input type="text"/></td> <td>Dehydrator Units: <input type="text"/></td> </tr> <tr> <td>Condensate Tanks: <input type="text"/></td> <td>Water Tanks: <input type="text"/></td> <td>Separators: <input type="text"/></td> <td>Electric Motors: <input type="text"/></td> <td>Multi-Well Pits: <input type="text"/></td> </tr> <tr> <td>Gas or Diesel Motors: <input type="text"/></td> <td>Cavity Pumps: <input type="text"/></td> <td>LACT Unit: <input type="text"/></td> <td>Pump Jacks: <input type="text" value="3"/></td> <td>Pigging Station: <input type="text"/></td> </tr> <tr> <td>Electric Generators: <input type="text"/></td> <td>Gas Pipeline: <input type="text"/></td> <td>Oil Pipeline: <input type="text"/></td> <td>Water Pipeline: <input type="text"/></td> <td>Flare: <input type="text"/></td> </tr> <tr> <td>Gas Compressors: <input type="text"/></td> <td>VOC Combustor: <input type="text"/></td> <td>Oil Tanks: <input type="text"/></td> <td>Fuel Tanks: <input type="text"/></td> <td></td> </tr> </table> <p>Other: <u>3 - 3 PHASE FLOW LINES FLOWING TO AN EXISTING PRODUCTION FACILITY, #419466, LOCATED APPROX. 428' SW FROM WELL SITE. NO ADDITIONAL SURFACE DISTURBANCE WILL OCCUR FOR THE FACILITY.</u></p> |  |   |  | Special Purpose Pits: <input type="text"/> | Drilling Pits: <input type="text"/> | Wells: <input type="text" value="4"/> | Production Pits: <input type="text"/> | Dehydrator Units: <input type="text"/> | Condensate Tanks: <input type="text"/> | Water Tanks: <input type="text"/> | Separators: <input type="text"/> | 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" value="3"/> | Pigging Station: <input type="text"/> | Electric Generators: <input type="text"/> | Gas Pipeline: <input type="text"/> | Oil Pipeline: <input type="text"/> | Water Pipeline: <input type="text"/> | Flare: <input type="text"/> | Gas Compressors: <input type="text"/> | VOC Combustor: <input type="text"/> | Oil Tanks: <input type="text"/> | Fuel Tanks: <input type="text"/> |  |
| Special Purpose Pits: <input type="text"/>  | Drilling Pits: <input type="text"/>  | Wells: <input type="text" value="4"/>   | Production Pits: <input type="text"/>  | Dehydrator Units: <input type="text"/>     |                                     |                                       |                                       |  |  |                                   |                                  |                                       |                                       |  |                                    |                                 |  |                                       |   |                                    |                                    |                                      |                             |                                       |                                     |                                 |                                  |  |
| Condensate Tanks: <input type="text"/>  | Water Tanks: <input type="text"/>  | Separators: <input type="text"/>  | 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" value="3"/>   | Pigging Station: <input type="text"/>      |                                     |                                       |                                       |  |  |                                   |                                  |                                       |                                       |  |                                    |                                 |  |                                       |   |                                    |                                    |                                      |                             |                                       |                                     |                                 |                                  |  |
| Electric Generators: <input type="text"/>   | Gas Pipeline: <input type="text"/>   | Oil Pipeline: <input type="text"/>  | Water Pipeline: <input type="text"/>   | Flare: <input type="text"/>                |                                     |                                       |                                       |  |  |                                   |                                  |                                       |                                       |  |                                    |                                 |  |                                       |   |                                    |                                    |                                      |                             |                                       |                                     |                                 |                                  |  |
| Gas Compressors: <input type="text"/>   | VOC Combustor: <input type="text"/>  | Oil Tanks: <input type="text"/>   | Fuel Tanks: <input type="text"/>   |  |                                     |                                       |                                       |  |  |                                   |                                  |                                       |                                       |  |                                    |                                 |  |                                       |   |                                    |                                    |                                      |                             |                                       |                                     |                                 |                                  |  |

**6. Construction:**

Date planned to commence construction: 06/01/2011 Size of disturbed area during construction in acres: 5.00  
 Estimated date that interim reclamation will begin: 08/01/2011 Size of location after interim reclamation in acres: 1.00  
 Estimated post-construction ground elevation: 4630 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: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Address: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Address: \_\_\_\_\_ Email: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Date of Rule 306 surface owner consultation: 01/24/2011  
 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: 590 , public road: 288 , above ground utilit: 275  
   , railroad: 5281 , property line: 300

**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: 25 – HAVERSON LOAM, 0-1% SLOPES

NRCS Map Unit Name: 23 – FT. COLLINS LOAM, 0-1% 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: 01/24/2011

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): NO CHEATGRASS VISIBLE

### 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: 331, water well: 1220, depth to ground water: 35

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:

PERMIT #1624 - R USED FOR STATIC H2O LEVEL; LOCATED APPROX. 474' SE OF LOCATION, HOWEVER UPON VISUAL INSPECTION, WELL COULD NOT BE LOCATED. THE REFERENCE AREA IS ON UNDISTURBED GROUND IMMEDIATELY ADJACENT TO AND SOUTH OF THE LOCATION AS SHOWN IN THE REFERENCE AREA PHOTO FACING SOUTH. THE WELL WILL TEMPORARILY ENCOMPASS 5 ACRES DUE TO THE COMPLETION FRAC TANKS THAT WILL BE LOCATED TEMPORARILY ADJACENT TO THE WELL PAD WITH ONLY MINIMAL DISTURBANCE DURING THE COMPLETION PROCESS. THE SIZE OF THE LOCATION WILL THEN BE REDUCED TO THE NOTATED INTERIM RECLAMATION ACRES IN FACILITIES & CONSTRUCTION, #2. WELL IS TO BE LOCATED ON PAD WITH PERMITTED SCHOLFIELD STATE A36-99HZ & PROPOSED SCHOLFIELD STATE A36-69HN. SUA ATTACHED TO DOC #400133302. The Scholfield State A36-30D may or may not be submitted for permitting.

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

Signed: \_\_\_\_\_ Date: 03/18/2011 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: 4/11/2011**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.**

Operator must implement site-specific best management practices in accordance with good engineering practices, including, but not limited to, construction of a berm or diversion dike, site grading, or other comparable measures, sufficient to protect the concrete irrigation ditch located 331 feet north of the oil and gas location from a release of drilling, completion, produced fluids, and chemical products.

**Attachment Check List**

| Att Doc Num | Name                    |
|-------------|-------------------------|
| 2533157     | CORRESPONDENCE          |
| 400133303   | FORM 2A SUBMITTED       |
| 400144095   | LOCATION PICTURES       |
| 400144096   | LOCATION DRAWING        |
| 400144097   | HYDROLOGY MAP           |
| 400144098   | ACCESS ROAD MAP         |
| 400144099   | REFERENCE AREA PICTURES |
| 400144100   | MULTI-WELL PLAN         |
| 400144101   | NRCS MAP UNIT DESC      |

Total Attach: 9 Files

**General Comments**

| <u>User Group</u> | <u>Comment</u>           | <u>Comment Date</u>     |
|-------------------|--------------------------|-------------------------|
| OGLA              | Ready to pass 4/11/2011. | 3/31/2011<br>9:10:00 AM |

Total: 1 comment(s)

## BMP

| <u>Type</u>                            | <u>Comment</u>  |
|--|---|
| 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. |
| 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-039527. 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.  |
| 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.  |

Total: 3 comment(s)