

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:  
400209466

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 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:  
**426032**  
Expiration Date:  
**10/16/2014**

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: 10360  
Name: NAVEX RESOURCES LLC  
Address: 4925 GREENVILLE AVENUE #915  
City: DALLAS State: TX Zip: 75206

3. Contact Information

Name: Robert Helbing  
Phone: (214) 3823227  
Fax: (214) 3738035  
email: rhelbing@trekresources.com

4. Location Identification:

Name: State 16 Number: 1  
County: KIOWA  
Quarter: NWSW Section: 16 Township: 19S Range: 50W Meridian: 6 Ground Elevation: 4393

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: 2108 feet FSL, from North or South section line, and 692 feet FWL, from East or West section line.  
Latitude: 38.402060 Longitude: -103.022470 PDOP Reading: 2.5 Date of Measurement: 08/09/2011  
Instrument Operator's Name: Keith Westfall

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="1"/>	Production Pits: <input type="text"/>	Dehydrator Units: <input type="text"/>
Condensate Tanks: <input type="text"/>	Water Tanks: <input type="text"/>	Separators: <input type="text" value="1"/>	Electric Motors: <input type="text" value="1"/>	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="1"/>	Gas Pipeline: <input type="text"/>	Oil Pipeline: <input type="text"/>	Water Pipeline: <input type="text"/>	Flare: <input type="text"/>
Gas Compressors: <input type="text" value="1"/>	VOC Combustor: <input type="text"/>	Oil Tanks: <input type="text" value="2"/>	Fuel Tanks: <input type="text" value="1"/>	

Other: \_\_\_\_\_

6. Construction:

Date planned to commence construction: 11/15/2011 Size of disturbed area during construction in acres: 0.50  
 Estimated date that interim reclamation will begin: 11/29/2011 Size of location after interim reclamation in acres: 0.30  
 Estimated post-construction ground elevation: 4393 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: \_\_\_\_\_  
 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: 20110103  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: 692, public road: 692, above ground utilit: 692  
 , railroad: 5280, property line: 692

**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: Wiley Loam Unit #41, 0 to 3 percent slope

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 (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: 5280, water well: 5280, depth to ground water: 60  
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:

Company plans to re-seed the ara disturbed by the drilling location with native grass or other appropriate grass seed. Any open pit will be fenced to prevent entry by livestock. Surface tennant will be consulted as to how best to cross over the ditch along the western boundary of the lease along CR27.

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

Signed: \_\_\_\_\_ Date: 09/28/2011 Email: conrad@trekresources.com

Print Name: Conrad Mirochna Title: Sr VP

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. Nashin Director of COGCC Date: 10/17/2011

**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.

**Attachment Check List**

Att Doc Num	Name
1792333	CORRESPONDENCE
1792336	WAIVERS
1792337	WAIVERS
1792338	CORRESPONDENCE
400209466	FORM 2A SUBMITTED
400209517	ACCESS ROAD MAP
400209518	HYDROLOGY MAP
400209519	LOCATION DRAWING
400209522	LOCATION PICTURES
400209523	REFERENCE AREA PICTURES
400209524	REFERENCE AREA MAP
400213082	NRCS MAP UNIT DESC

Total Attach: 12 Files

**General Comments**

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>
Agency	Operator has requested exigent circumstances for early permit approval, request and waivers are attached.	10/17/2011 5:14:04 PM
Permit	Final review completed. NLP	10/17/2011 2:38:39 PM
Permit	Bill, We are ok with Navex and their drilling this well. Tim. See attachment. BY	10/17/2011 2:38:13 PM
Permit	Received email from LGD Debra C. Lening waiving the 20 day comment period. BY	10/17/2011 7:16:15 AM
OGLA	Nearest water well is 60 feet not 6 as stated. The depth to water was changed to 60 feet.	10/11/2011 4:12:19 PM
Permit	Operator correct errors. The form has passed completeness.	10/11/2011 9:39:34 AM
Permit	Returned to draft. Missing surface and minerals information.	10/11/2011 6:57:11 AM
Permit	Returned to draft. <ul style="list-style-type: none"> <li>•Missing the well surety ID “plugging bond”</li> <li>•Location is part of a permit application (second box on form)</li> <li>•Under the surface and minerals tab if the surface and mineral owner are state then please check the box that the surface owner is the mineral owner</li> <li>•If you are using a oil and gas lease for the right to construct then “the surface owner is” question should have committed to an oil and gas lease box checked</li> <li>•IF using an oil and gas lease for right to construct then you do not need to use your bond. In that case where you entered \$5,000 should read N/A and the surety ID should be blank</li> <li>•Missing distance to nearest rail road under the cultural and soil tab.</li> <li>•Based on the water well to the NW of the proposed location I don’t think the depth to ground water is one mile</li> <li>•NRCS map unit attachment will not open</li> </ul>	9/28/2011 1:58:13 PM

Total: 8 comment(s)

**BMP**

<b>Type</b>	<b>Comment</b>

Total: 0 comment(s)