

FORM
2A

Rev
04/01

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400399914

Date Received:

04/05/2013

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:

432801

Expiration Date:

05/08/2016

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: 22755
 Name: DAVIS, LLC* EDWARD MIKE
 Address: 730 17TH ST STE 450
 City: DENVER State: CO Zip: 80202

3. Contact Information

Name: Rhonda White
 Phone: (970) 867-4736
 Fax: (970) 867-3714
 email: rwhite@qwestoffice.net

4. Location Identification:

Name: Niebur Number: 41-2
 County: WASHINGTON
 QuarterQuarter: LOT 1 Section: 2 Township: 3S Range: 51W Meridian: 6 Ground Elevation: 4552

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: 600 feet FNL, from North or South section line, and 600 feet FEL, from East or West section line.
 Latitude: 39.828790 Longitude: -103.050220 PDOP Reading: 1.1 Date of Measurement: 03/29/2013
 Instrument Operator's Name: M. BRYAN SHORT

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

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

Other: 1 Treater

6. Construction:

Date planned to commence construction: 05/15/2013 Size of disturbed area during construction in acres: 1.00
Estimated date that interim reclamation will begin: 06/30/2013 Size of location after interim reclamation in acres: 0.50
Estimated post-construction ground elevation: 4552 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: Evaporate and bury (see BMP)

7. Surface Owner:

Name: _____ Phone: _____
Address: _____ Fax: _____
Address: _____ Email: _____
City: _____ State: _____ Zip: _____ Date of Rule 306 surface owner consultation: 04/03/2013
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: 19930038 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: 1950, public road: 570, above ground utility: 580,
railroad: 5280, property line: 600

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: 55: Platner Loam, Washington County, CO
NRCS Map Unit Name: 58: Rago Silt Loam, Washington County, CO
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: Blue Grama, Buffalograss, Western Wheatgrass, Green Needlegrass, sedges

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: 475, water well: 1300, depth to ground water: 110
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:

Reference area is immediately adjacent to location to the east. Thus, location pictures are reference area pictures and no reference area map is included per COGCC "Well Permitting and Location Approval Manual" Dated March 7, 2009 §2.2.4.1. Per Rule 303.d(3)C: there are no visible improvements within 400' of location. This is listed on the location drawing under the last note. Depth to groundwater estimated from offsetting water well depths. Likely <110'- this is what has been reported above.

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.
Signed: _____ Date: 04/05/2013 Email: cdoke@petersonenergy.com
Print Name: ANDY PETERSON Title: CONSULTANT

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: 5/9/2013

**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.

Construction of the production pit shall not commence prior to approval of an Earthen Pit Report/Permit, Form 15.

Attachment Check List

Att Doc Num	Name
400399914	FORM 2A SUBMITTED
400400315	LOCATION PICTURES
400400320	OTHER
400400321	HYDROLOGY MAP
400400322	ACCESS ROAD MAP
400400323	TOPO MAP
400402238	NRCS MAP UNIT DESC
400402245	LOCATION DRAWING

Total Attach: 8 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final review completed. No LGD or public comments.	5/8/2013 8:11:09 AM
OGLA	per operator email, sensitive area changed to "yes", construction date changed, mud disposal information provided and added as BMP, reference photos will be submitted within 12 months. operator agreed to COA.	5/2/2013 7:46:10 AM
Permit	Operator requested the addition of a check mark for the lease being signed by the mineral owner and NENE to be changed to Lot 1. Received authorization from Operator.	4/22/2013 12:00:45 PM
Permit	Requested changing lease signature from blank to signed.	4/22/2013 8:54:11 AM
Permit	Mineral owner's signature is on the lease as per operator.	4/22/2013 8:13:06 AM
Permit	Operator addressed previous concerns. This form has passed completeness.	4/11/2013 6:47:44 AM
Permit	RTD:1) Location drawing does not address surface improvements within 400 feet of the location. If there are no surface improvements within 400', than a statement stating that there are no improvements within 400 feet should be on the location drawing. 2)Their should be a reference area map and at least one picture showing the reference area. 3)Submitter not a designated agent. 4)There appears to be two hydrology maps. 5)The NRCS map unit description is all that's needed. The lengthy text description isn't necessary.	4/8/2013 9:26:48 AM

Total: 7 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
Drilling/Completion Operations	Water based bentonitic drilling fluids shall be disposed of in accordance with Rule 907.d (3)A, through being dried in place and buried with the drilling pit. Testing shall be conducted to ensure that soil concentration levels do not exceed those as listed in Table 910-1. The pit shall be closed in accordance with Rule 1003.d(2); the dried pit shall be backfilled subsequent to any materials which were removed from it for drying being returned. The backfilling shall be done to restore the soils to their original relative positions and to ensure that materials associated with the pit, such as muds and solids, be confined to the pit in a manner that prevents them being squeezed out and incorporated into the surface materials. This closure will occur no later than 6 months subsequent to the termination of drilling and completion activities contingent upon the weather. The remainder of the interim reclamation will be conducted in accordance with Rule 1003.e(2) and a subsequent sundry shall be submitted in accordance with Rule 1003.e(3).
Drilling/Completion Operations	Excell Services will build location they will move in rig up Excell Rig #3. They will drill 12 -1/4" hole to surface casing depth and Kimzey Casing Crew will rig up and set casing. After surface casing is set, cemented, cement set, and BOP has been rigged up Drilling of 7-7/8" hole will begin and drill to approximatley 4500'. After logging and determination of activity. If hole is plugged from 5 and 6 will be submitted. If hole is completed production casing will be set by Kimzey Casing crew and cemented. A sundry notice will be completed at this time to submit production plan for this well.

Total: 2 comment(s)