

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:

2557291

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:

**417693**

Expiration Date:

**06/09/2013**

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: 10110

Name: GREAT WESTERN OIL & GAS COMPANY LLC

Address: 503 MAIN ST

City: WINDSOR      State: CO      Zip: 80550

3. Contact Information

Name: JEFF REALE

Phone: (970) 686-8831

Fax: (866) 413-3354

email: JREALE@GWOGCO.COM

4. Location Identification:

Name: GREAT WESTERN (PAD 10)      Number: 25-52

County: WELD

Quarter: NWSW      Section: 25      Township: 6N      Range: 67W      Meridian: 6      Ground Elevation: 4751

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: 2480 feet, from North or South section line: FSL and 1151 feet, from East or West section line: FWL

Latitude: 40.457500      Longitude: -104.847300      PDOP Reading: 1.9      Date of Measurement: 04/20/2010

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

Other: REFERENCE GREAT WESTERN 25-22 TO BE DRILLED FROM THE SAME PAD; TANK BATTERY SITE TO BE WITHIN THIS SAME LOCATION. REF. MULTI-WELL PLAN.

6. Construction:

Date planned to commence construction: 11/01/2010 Size of disturbed area during construction in acres: 2.50
Estimated date that interim reclamation will begin: 12/01/2010 Size of location after interim reclamation in acres: 0.50
Estimated post-construction ground elevation: 4751 Will a closed loop system be used for drilling fluids: Yes [X]
Will salt sections be encountered during drilling: Yes [ ] No [X] Is H2S anticipated? Yes [ ] No [ ]
Will salt (>15,000 ppm TDS Cl) or oil based muds be used: Yes [ ] No [X]
Mud disposal: Offsite [X] Onsite [ ] Method: Land Farming [ ] Land Spreading [X] Disposal Facility [ ]
Other: \_\_\_\_\_

7. Surface Owner:

Name: \_\_\_\_\_ Phone: \_\_\_\_\_
Address: \_\_\_\_\_ Fax: \_\_\_\_\_
Address: \_\_\_\_\_ Email: \_\_\_\_\_
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Date of Rule 306 surface owner consultation: 03/28/2010
Surface Owner: [X] Fee [ ] State [ ] Federal [ ] Indian [ ]
Mineral Owner: [X] Fee [ ] State [ ] Federal [ ] Indian [ ]
The surface owner is: [X] the mineral owner [X] committed to an oil and gas lease
[X] is the executer of the oil and gas lease [X] the applicant
The right to construct the location is granted by: [ ] oil and gas lease [ ] Surface Use Agreement [ ] Right of Way
[X] applicant is owner
Surface damage assurance if no agreement is in place: [ ] \$2000 [ ] \$5000 [ ] Blanket Surety ID \_\_\_\_\_

8. Reclamation Financial Assurance:

[X] Well Surety ID: 20090080 [ ] Gas Facility Surety ID: \_\_\_\_\_ [ ] Waste Mgnt. Surety ID: \_\_\_\_\_

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes [ ] No [X]
Distance, in feet, to nearest building: 793 , public road: 1170 , above ground utilit: 1085
, railroad: 200 , property line: 171

10. Current Land Use (Check all that apply):

Crop Land: [X] 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: [X] 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: 32, KIM LOAM 1 TO 3 PERCENT 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: 4437, water well: 1670, depth to ground water: 12

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:

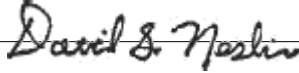
5. FACILITIES: THIS IS A MULTI-WELL PLAN LOCATION. PROPOSED WELLS TO BE DRILLED FROM THIS PAD ARE THE GREAT WESTERN 25-52 AND THE 25-22. THERE WILL BE TWO TANK BATTERIES (ONE FOR EACH WELL) LOCATED IN A SINGLE TANK BATTERY SITE IN THIS SAME LOCATION AREA. 7. SURFACE OWNER: GREAT WESTERN OIL AND GAS CO., LLC IS THE MINERAL OWNER, BROE LAND ACQUISITIONS 11 IS THE SURFACE OWNER; BOTH ENTITIES ARE OWNED BY THE BROE GROUP, INC. REFERENCE ATTACHED LETTER. 14. NEAREST WATER WELL REFERENCED IS PERMIT #113762. THERE IS AN ABANDONED LOCATION FOR #113762 ABOUT 1000' SE OF LOCATION, AND THE ACTUAL OPERATING WATER WELL WITH THE SAME PERMIT NUMBER IS 1670' SE OF PROPOSED LOCATION. WATER WELL PERMIT #173541 IS LOCATED ABOUT 1450' W OF PROPOSED LOCATION, BUT NO STATIC WATER LEVEL IS AVAILABLE TO REFERENCE. WATER WELL PERMIT #276998 IS LOCATED ABOUT 1600' SE OF LOCATION WITH A 14' STATIC WATER LEVEL INDICATED. RULE 604.a. (4) - TANK BATTERY WILL COMPLY. RULE 604.a. (2) - EACH CONDENSATE TANK MEASURES 12' DIAMETER. Per Lisa Pfizenmaier, checked surface owner "committed to" and "executer of" O&G lease. PVG

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

Signed: \_\_\_\_\_ Date: 04/29/2010 Email: JREALE@GWOGCO.COM

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: 6/10/2010

**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.**

Location is in a sensitive area because of shallow groundwater; therefore, either a lined drilling pit or closed loop system is required.

**Attachment Check List**

Att Doc Num	Name	Doc Description
2085329	CORRESPONDENCE	LF@2474608 2085329
2557291	FORM 2A	LF@2465753 2557291
2557292	OTHER	LF@2465756 2557292
2557293	LOCATION PICTURES	LF@2465764 2557293
2557294	LOCATION PICTURES	LF@2465765 2557294
2557295	LOCATION DRAWING	LF@2465762 2557295
2557296	HYDROLOGY MAP	LF@2465766 2557296
2557297	ACCESS ROAD MAP	LF@2465767 2557297
2557298	NRCS MAP UNIT DESC	LF@2465754 2557298
2557299	CONST. LAYOUT DRAWINGS	LF@2465755 2557299
2557300	MULTI-WELL PLAN	LF@2465763 2557300
2557301	EXCEPTION LOC REQUEST	LF@2465757 2557301
2621514	MULTI-WELL PLAN	LF@2486878 2621514

Total Attach: 13 Files