

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:

2557117

Oil and Gas Location Assessment

New Location Amend Existing Location Location#: 309871

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:

309871

Expiration Date:

06/03/2013

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: NEW CACHE Number: 8-43

County: WELD

Quarter: SWSE Section: 8 Township: 6N Range: 63W Meridian: 6 Ground Elevation: 4689

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: 1249 feet, from North or South section line: FSL and 1429 feet, from East or West section line: FEL

Latitude: 40.497390 Longitude: -104.456520 PDOP Reading: 2.0 Date of Measurement: 03/15/2010

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

Special Purpose Pits: Drilling Pits: 1 Wells: 2 Production Pits: Dehydrator Units:

Condensate Tanks: Water Tanks: Separators: Electric Motors: Multi-Well Pits:

Gas or Diesel Motors: Cavity Pumps: LACT Unit: Pump Jacks: Pigging Station:

Electric Generators: Gas Pipeline: Oil Pipeline: Water Pipeline: Flare:

Gas Compressors: VOC Combustor: Oil Tanks: Fuel Tanks:

Other: THIS WELL WILL BE DRILLED FROM EXISTING PAD FOR CACHE 8-54. EXISTING CACHE 8-44 & CACHE 8-54 WELL BATTERY WILL BE USED WITH NO NEW GROUND DISTURBANCE.

6. Construction:

Date planned to commence construction: 09/15/2010 Size of disturbed area during construction in acres: 2.50
Estimated date that interim reclamation will begin: 10/15/2010 Size of location after interim reclamation in acres: 0.50
Estimated post-construction ground elevation: 4689 Will a closed loop system be used for drilling fluids: Yes
Will salt sections be encountered during drilling: Yes No X Is H2S anticipated? Yes No X
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:
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 the applicant
The right to construct the location is granted by: oil and gas lease X 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:

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: 1490 , public road: 1370 , above ground utilit: 1422
, railroad: 68112 , property line: 48

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

Crop Land: Irrigated Dry land X 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 X 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: 70. VALENT SAND. 3 TO 9 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: 242, water well: 1155, depth to ground water: 26

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:

14. WATER RESOURCES: REFERENCE WATER WELL PERMIT #279329 TO THE SOUTHWEST OF THE PROPOSED LOCATION. NEAREST SURFACE WATER IS A SEASONAL, SHALLOW POND WEST OF THE PROPOSED LOCATION. IT CONTAINS WATER IN THE SPRING AND IS DRY LAND THE REST OF THE YEAR. TO THE EAST OF THE PROPOSED LOCATION IS A NEWLY CREATED WATER RESERVOIR. THIS RESERVOIR IS LOCATED AT A HIGHER ELEVATION ABOVE THE PROPOSED LOCATION. 5. FACILITIES: THIS PROPOSED WELL WILL BE DRILLED FROM THE EXISTING WELL PAD OF THE CACHE 8-54. THE NEW WELL WILL USE THE EXISTING CACHE TANK BATTERY THAT SERVES THE EXISTING CACHE 8-44 AND CACHE 8-54 WELLS. NO GROUND WILL BE DISTURBED AT THE EXISTING BATTERY. SUA ATTACHED TO THE FORM 2.

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

Signed: _____ Date: 04/15/2010 Email: JREALE@GWOGCO.COM

Print Name: JEFF REALE Title: VP OPERATIONS

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: 6/4/2010

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.

Operator must implement best management practices to contain any unintentional release of fluids.

Location is in a sensitive area because of close proximity to surface water, therefore, operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations.

Attachment Check List

Att Doc Num	Name	Doc Description
1641569	CORRESPONDENCE	LF@2464836 1641569
1641570	CORRESPONDENCE	LF@2464837 1641570
1641571	EXCEPTION LOC WAIVERS	LF@2464838 1641571
2557117	FORM 2A	LF@2457832 2557117
2557118	REFERENCE AREA PICTURES	LF@2457839 2557118
2557119	LOCATION PICTURES	LF@2457840 2557119
2557120	LOCATION PICTURES	LF@2457841 2557120
2557121	LOCATION DRAWING	LF@2457844 2557121
2557122	HYDROLOGY MAP	LF@2457842 2557122
2557123	NRCS MAP UNIT DESC	LF@2457833 2557123
2557124	ACCESS ROAD MAP	LF@2457843 2557124
2557125	REFERENCE AREA MAP	LF@2457845 2557125

Total Attach: 12 Files