

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



Table with 4 columns: DE, ET, OE, ES

Document Number: 400125337

Oil and Gas Location Assessment

New Location Amend Existing Location Location#: 331384

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.

Location ID: 331384 Expiration Date: 04/16/2014

This location assessment is included as part of a permit application.

1. CONSULTATION

- This location is included in a Comprehensive Drilling Plan. CDP # Amend Existing Location 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: 47120 Name: KERR-MCGEE OIL & GAS ONSHORE LP Address: P O BOX 173779 City: DENVER State: CO Zip: 80217-3779

3. Contact Information

Name: Cheryl Light Phone: (720) 929-6461 Fax: (720) 929-7461 email: cheryl.light@anadarko.com

4. Location Identification:

Name: FRICO Number: 1-15HZ County: WELD QuarterQuarter: SWSW Section: 15 Township: 3N Range: 65W Meridian: 6 Ground Elevation: 4795 Define a single point as a location reference for the facility location. Footage at surface: 714 feet FSL, from North or South section line, and 640 feet FWL, from East or West section line. Latitude: 40.220126 Longitude: -104.657016 PDOP Reading: 1.9 Date of Measurement: 10/27/2010 Instrument Operator's Name: BEN MILIUS

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

Special Purpose Pits: Drilling Pits: Wells: 3 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:

6. Construction:

Date planned to commence construction: 07/13/2011 Size of disturbed area during construction in acres: 10.00
Estimated date that interim reclamation will begin: 09/01/2011 Size of location after interim reclamation in acres: 0.04
Estimated post-construction ground elevation: 4795 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: 10/18/2010
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: 20010124 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: 792, public road: 900, above ground utilit: 6000
, railroad: 39825, property line: 314

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.

IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.

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: 72 VONA LOAMY SAND, 0 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: 01/19/2011

List individual species: sand sagebrush – Artemisia filifolia/cheatgrass - Anisantha tectorum/ragweed – Ambrosia tomentosa/crested wheatgrass – Agropyron cristatum

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): Sagebrush -Cheatgrass Rangeland and Disturbed/Developed

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: 438, water well: 87, depth to ground water: 30

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:

Closest Water well permit #: 116080/ Water well with ground water depth permit # 23620/ All measurement on Location Drawing are from one central point.

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

Signed: _____ Date: 01/20/2011 Email: djregulatory@anadarko.com

Print Name: Cheryl Light Title: Senior Regulatory Analyst

IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.

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. Nesline Director of COGCC Date: 4/17/2011

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
2085895	CORRESPONDENCE
400125337	FORM 2A SUBMITTED
400125359	LOCATION PICTURES
400125361	LOCATION DRAWING
400125362	HYDROLOGY MAP
400125363	ACCESS ROAD MAP
400125365	WELL LOCATION PLAT
400125366	TOPO MAP
400125367	NRCS MAP UNIT DESC
400125368	MULTI-WELL PLAN
400125369	30 DAY NOTICE LETTER
400125371	SURFACE AGRMT/SURETY
400125704	REFERENCE AREA PICTURES

Total Attach: 13 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
DOW	Wildlife BMPs for bald eagle nesting and roosting have been added to the permit.	2/28/2011 10:49:39 AM
Permit	This matter has been moved to the April hearing (Docket No. 1104-SP-20).	2/15/2011 2:14:22 PM
Permit	Anadarko believes that they have applied for a hearing in April to address the issue of well count?	2/11/2011 12:43:40 PM
Permit	On hold Their appears to be seven completions in the SW/4 which would add up to nine when two horizontal wells are added.	2/11/2011 12:43:03 PM
OGLA	Changed number to wells from 2 to 3 and changed distance to nearest surface water from 1,000 feet to 438 feet. Added wildlife BMPs (Celia will be out of the office until 2/24/11).	2/9/2011 2:00:48 PM
Permit	On hold SUA does not seem to address horizontal wells.	1/20/2011 2:33:11 PM
Permit	On hold This is in a sensitive wildlife area. Celia Greenman notified	1/20/2011 2:32:25 PM

Total: 7 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
Wildlife	<p>No surface occupancy (beyond that which historically occurred in the area) within 0.25 mile of any active or historic bald eagle nest site.</p> <p>No human disturbance or construction activity within 0.5 mile of any active bald eagle nest from November 15 to July 31. Activity within 0.5 mile of bald eagle nest sites would be best conducted between August 15 and October 15.</p> <p>No surface occupancy or construction within 0.25 mile of any active bald eagle winter night roost site, where there is no direct line of sight to the roost, between December 1 and February 28 and within 0.5 mile of any active bald eagle winter night roost site, where there is a direct line of sight to the roost, between December 1 and February 28.</p> <p>No human disturbance within 0.5 mile of any active bald eagle winter roost site from November 15 to March 15 except for periodic visits such as oil maintenance and monitoring Maintenance and monitoring work within the buffer zone after development should be restricted to the period between 10:00 a.m. and 2:00 p.m.</p>

Total: 1 comment(s)