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: 1690798

## Oil and Gas Location Assessment

☐ New Location ☒ Amend Existing Location Location#: 327298

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. Approvalof 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: 327298

Expiration Date: 09/13/2012

☐ 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: 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: CANNON Number: 24-33

County: WELD

QuarterQuarter: NENE Section: 33 Township: 3N Range: 65W Meridian: 6 Ground Elevation: 4840

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: 943 feet, from North or Sourth section line: FNL and 953 feet, from East or West section line: FEL

Latitude: 40.186580 Longitude: -104.662580 PDOP Reading: 6.0 Date of Measurement: 04/02/2009

## 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: | 1 | Sparators: | 2 | Electric Motors: | 77 | Multi-Well Pits: | |
| Gas or Diesel Motors: | 4 | Cavity Pumps: | | LACT Unit: | | Pump Jacks: | | Pigging Station: | |
| Electric Generators: | 3 | Gas Pipeline: | 1 | Oil Pipeline | | Water Pipeline: | | Flare: | 1 |
| Gas Compressors: | 1 | | | VOC Combustor: | 1 | Oil Tanks: | 2 | Fuel Tanks: | 2 |

Other: _____

## 6. Construction:

Date planned to commence construction: 03/01/2010 Size of disturbed area during construction in acres: 2.53

Estimated date that interim reclamation will begin: 03/01/2010 Size of location after interim reclamation in acres: 0.01

Estimated post-construction ground elevation: 4840 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: 04/01/2009

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 executor 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: 1040 , public road: 925 , above ground utilit: 915

, railroad: 42240 , property line: 900

## 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: VALENT SAND 0-3% SLOPES

NRCS Map Unit Name: OSGOOD SAND 0-3% SLOPES

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: 1638 , water well: 1052 , depth to ground water: 35

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:

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

Signed: _____ Date: 06/08/2009 Email: CHERYL.LIGHT@ANADARKO.COM

Print Name: CHERYL LIGHT Title: SR REGULATORY ANALYST