

FORM 2A Rev 04/01

State of Colorado Oil and Gas Conservation Commission

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Table with columns DE, ET, OE, ES

Document Number: 400165635

Oil and Gas Location Assessment

[X] 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.

Location ID: 424170 Expiration Date: 07/07/2014

[X] 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: Rebecca Heim Phone: (720) 929-6361 Fax: (720) 929-7361 email: rebecca.heim@anadarko.com

4. Location Identification:

Name: MORTON Number: 41-12 County: WELD Quarter: SWNE Section: 12 Township: 1N Range: 67W Meridian: 6 Ground Elevation: 4905 Define a single point as a location reference for the facility location. Footage at surface: 1412 feet FNL, from North or South section line, and 1761 feet FEL, from East or West section line. Latitude: 40.068863 Longitude: -104.836147 PDOP Reading: 1.9 Date of Measurement: 05/20/2010 Instrument Operator's Name: TRAVIS KRAICH

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

Special Purpose Pits: [ ] Drilling Pits: [ ] Wells: [ 9 ] Production Pits: [ ] Dehydrator Units: [ ] Condensate Tanks: [ ] Water Tanks: [ 1 ] Separators: [ 9 ] Electric Motors: [ ] Multi-Well Pits: [ ] Gas or Diesel Motors: [ ] Cavity Pumps: [ ] LACT Unit: [ ] Pump Jacks: [ ] Pigging Station: [ ] Electric Generators: [ ] Gas Pipeline: [ 1 ] Oil Pipeline: [ ] Water Pipeline: [ ] Flare: [ 1 ] Gas Compressors: [ ] VOC Combustor: [ 1 ] Oil Tanks: [ 9 ] Fuel Tanks: [ ]

Other: AUGUST LAMBRECHT GAS UNIT 1 plus 8 new wells will flow into this facility

6. Construction:

Date planned to commence construction: 10/15/2011 Size of disturbed area during construction in acres: 4.12
Estimated date that interim reclamation will begin: 12/15/2011 Size of location after interim reclamation in acres: 0.78
Estimated post-construction ground elevation: 4905 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 [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: 05/18/2010
Surface Owner: [X] Fee [ ] State [ ] Federal [ ] Indian
Mineral Owner: [X] 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 [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: 20010124 [ ] 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: 510 , public road: 3499 , above ground utilit: 1286
, railroad: 7789 , property line: 320

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

Crop Land: [ ] Irrigated [X] 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 [X] Other (describe): Sand & Gravel Mining
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: 19 Colombo clay loam, 0 to 1 percent slopes

NRCS Map Unit Name: 75 Vona sandy loam, 0 to 1 percent 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 (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: 95, water well: 641, depth to ground water: 50

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:

Water well permit #12790-R.

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

Signed: \_\_\_\_\_ Date: 06/17/2011 Email: DJRegulatory@anadarko.com

Print Name: Rebecca Heim Title: Regulatory Analyst II

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: 7/8/2011

**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
400165635	FORM 2A SUBMITTED
400165674	LOCATION PICTURES
400165675	LOCATION DRAWING
400165676	HYDROLOGY MAP
400165678	ACCESS ROAD MAP
400165679	WELL LOCATION PLAT
400165680	TOPO MAP
400165681	NRCS MAP UNIT DESC
400165682	MULTI-WELL PLAN
400165686	SURFACE AGRMT/SURETY
400176641	EXCEPTION LOC REQUEST
400176642	30 DAY NOTICE LETTER

Total Attach: 12 Files

**General Comments**

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>
OGLA	OK to pass.	6/23/2011 4:36:34 PM

Total: 1 comment(s)

**BMP**

<u>Type</u>	<u>Comment</u>
Site Specific	Morton 41-12 -- Tank Battery Regarding the tank battery, Kerr-McGee will create secondary containment by constructing an earthen berm between the tank battery berm and the ditch just east of the tank battery to further protect the ditch.

Total: 1 comment(s)