

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:  
400028685

**Oil and Gas Location Assessment**

New Location       Amend Existing Location      Location#: 332315

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:  
**332315**  
Expiration Date:  
**04/05/2013**

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: 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: FIVE Number: 31-9  
County: WELD  
Quarter: SWNW Section: 9 Township: 4N Range: 66W Meridian: 6 Ground Elevation: 4699

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: 1964 feet, from North or South section line: FNL and 513 feet, from East or West section line: FWL  
Latitude: 40.328230 Longitude: -104.791040 PDOP Reading: 2.8 Date of Measurement: 10/13/2009

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

|  |   |  |   |  |
|--|---|--|---|--|
| Special Purpose Pits: <input type="text" value="0"/> | Drilling Pits: <input type="text" value="0"/> | Wells: <input type="text" value="2"/>        | Production Pits: <input type="text" value="0"/> | Dehydrator Units: <input type="text" value="0"/> |
| Condensate Tanks: <input type="text" value="0"/>     | Water Tanks: <input type="text" value="0"/>   | Separators: <input type="text" value="0"/>   | Electric Motors: <input type="text" value="0"/> | Multi-Well Pits: <input type="text" value="0"/>  |
| Gas or Diesel Motors: <input type="text" value="0"/> | Cavity Pumps: <input type="text" value="0"/>  | LACT Unit: <input type="text" value="0"/>    | Pump Jacks: <input type="text" value="0"/>      | Pigging Station: <input type="text" value="0"/>  |
| Electric Generators: <input type="text" value="0"/>  | Gas Pipeline: <input type="text" value="0"/>  | Oil Pipeline: <input type="text" value="0"/> | Water Pipeline: <input type="text" value="0"/>  | Flare: <input type="text" value="0"/>            |
| Gas Compressors: <input type="text" value="0"/>      | VOC Combustor: <input type="text" value="0"/> | Oil Tanks: <input type="text" value="0"/>    | Fuel Tanks: <input type="text" value="0"/>      |  |

Other: TANK BATTERY 1040 FEET TO THE SOUTH

6. Construction:

Date planned to commence construction: 01/02/2011 Size of disturbed area during construction in acres: 2.41
Estimated date that interim reclamation will begin: 02/25/2011 Size of location after interim reclamation in acres: 0.24
Estimated post-construction ground elevation: 4699 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: Five Rivers Ranch Phone: 970-737-2444
Address: Cattle Feeding LLC c/o JBS USA LLC Fax: \_\_\_\_\_
Address: 1770 Promontory Circle Email: \_\_\_\_\_
City: Greeley State: CO Zip: 80634 Date of Rule 306 surface owner consultation: 08/14/2009
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 [ ] Surface Use Agreement [ ] Right of Way
[ ] applicant is owner
Surface damage assurance if no agreement is in place: [ ] \$2000 [ ] \$5000 [X] Blanket Surety ID 20010125

8. Reclamation Financial Assurance:

[X] Well Surety ID: 20010124 [ ] Gas Facility Surety ID: \_\_\_\_\_ [ ] Waste Mgmt. Surety ID: \_\_\_\_\_

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes [ ] No [X]
Distance, in feet, to nearest building: 3312 , public road: 3417 , above ground utilit: 3417
, railroad: 2881 , property line: 513

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 [X] 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: Aquolls & Aquents, Gravelly substratum

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: 620, water well: 171, depth to ground water: 5

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:

Permit # 11418-R- 620' To South Platte River

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

Signed: \_\_\_\_\_ Date: 01/21/2010 Email: DJRegulatory@anadarko.com

Print Name: Cheryl Light Title: Senior Regulatory Analyst

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.

*David S. Nesher*

COGCC Approved: \_\_\_\_\_

Director of COGCC

Date: 4/6/2010

**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.**

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.

Within 0.5 mile of any active bald eagle winter roost site from November 15 to March 15 periodic visits such as maintenance and monitoring should be restricted to the period between 10:00 a.m. and 2:00 p.m. Minor workover or swabbing to improve production that could be completed within a 2-day time frame would be allowed.

A closed loop system will be used and no drilling or production pits will be constructed

**Attachment Check List**

| Att Doc Num | Name                  | Doc Description      |
|-------------|-----------------------|----------------------|
| 1784874     | CORRESPONDENCE        | LF@2431321 1784874   |
| 1784875     | CORRESPONDENCE        | LF@2431335 1784875   |
| 1784885     | CORRESPONDENCE        | LF@2434010 1784885   |
| 1784929     | SURFACE OWNER CONSENT | LF@2444351 1784929   |
| 1784930     | CORRESPONDENCE        | LF@2444359 1784930   |
| 1784931     | CORRESPONDENCE        | LF@2444360 1784931   |
| 400028692   | LOCATION DRAWING      | LF@2221545 400028692 |
| 400028701   | ACCESS ROAD MAP       | LF@2221546 400028701 |
| 400028703   | HYDROLOGY MAP         | LF@2221547 400028703 |
| 400028704   | LOCATION PICTURES     | LF@2221548 400028704 |
| 400028706   | MULTI-WELL PLAN       | LF@2221549 400028706 |
| 400028708   | TOPO MAP              | LF@2221550 400028708 |
| 400030865   | 30 DAY NOTICE LETTER  | LF@2221551 400030865 |
| 400030867   | NRCS MAP UNIT DESC    | LF@2221552 400030867 |
| 400030942   | FORM 2A SUBMITTED     | LF@2221553 400030942 |

Total Attach: 15 Files