

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:

2093104

## Oil and Gas Location Assessment

☐ New Location
 ☒ Amend Existing Location
 Location#: 332825

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:

**332825**

Expiration Date:

**01/12/2013**☒ 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: 46290

Name: K P KAUFFMAN COMPANY INC

Address: 1675 BROADWAY, STE 2800

City: DENVER State: CO Zip: 80202

## 3. Contact Information

Name: SHERRY GLASS

Phone: (303) 825-4822 x116

Fax: (303) 825-4825

email: SGLASS@KPK.COM

## 4. Location Identification:

Name: MCCARTY Number: 14-22-23

County: WELD

QuarterQuarter: SESW Section: 22 Township: 4N Range: 67W Meridian: 6 Ground Elevation: 4865

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: 682 feet, from North or South section line: FSL and 2261 feet, from East or West section line: FWL

Latitude: 40.292670 Longitude: -104.878180 PDOP Reading: 6.0 Date of Measurement: 02/23/2007

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

Special Purpose Pits: <input type="text"/>	Drilling Pits: <input type="text" value="1"/>	Wells: <input type="text" value="3"/>	Production Pits: <input type="text"/>	Dehydrator Units: <input type="text"/>
Condensate Tanks: <input type="text"/>	Water Tanks: <input type="text"/>	Separators: <input type="text"/>	Electric Motors: <input type="text"/>	Multi-Well Pits: <input type="text"/>
Gas or Diesel Motors: <input type="text"/>	Cavity Pumps: <input type="text"/>	LACT Unit: <input type="text"/>	Pump Jacks: <input type="text"/>	Pigging Station: <input type="text"/>
Electric Generators: <input type="text"/>	Gas Pipeline: <input type="text" value="3"/>	Oil Pipeline: <input type="text" value="3"/>	Water Pipeline: <input type="text"/>	Flare: <input type="text"/>
Gas Compressors: <input type="text"/>	VOC Combustor: <input type="text"/>	Oil Tanks: <input type="text"/>	Fuel Tanks: <input type="text"/>	

Other: \_\_\_\_\_

6. Construction:

Date planned to commence construction: 02/01/2010 Size of disturbed area during construction in acres: 1.38  
Estimated date that interim reclamation will begin: 03/05/2010 Size of location after interim reclamation in acres: 0.50  
Estimated post-construction ground elevation: 4865 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: \_\_\_\_\_  
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: 20010023 ☐ 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: 729, public road: 682, above ground utilit: 372  
, railroad: 9821, property line: 372

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: 79

NRCS Map Unit Name: WELD LOAM, 1-3% 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: 178, water well: 975, depth to ground water: 12

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 Supply 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:

SURFACE CONSULT. W/THE SFC.OWNER WILL PROBABLY TAKE PLACE SOMETIME BEFORE 12/15/09. THERE IS A CURRENT SUA W/ SURFACE OWNER & A COPY WILL BE ATTACHED TO FORM 2. THERE'S A POWER LINE (AT 372' TO THE EAST) & A TRASH-FILLED WETLANDS/AGRICULTURAL IRRIGATION DITCH (HILLSBORO DITCH ON TOPO MAP, 178' TO THE WEST, WETLANDS SURVEY & PHOTOS ATTACHED) WITHIN 400' OF THIS PROPOSED LOCATION, AS DETAILED ON WELL LOC. & HYDROLOGY MAPS. THERE ARE NO DOMESTIC/IRRIGATION WATER WELS FOR AT LEAST A 3-MI. RADIUS, THOUGH SVRL GROUNDWTR MONITORING WELLS ARE NEARBY. SURFACE WAER IS BEST ILLUSTRATED BY THE WETLAND DELINEATIO SURVEY TO SHOW THE SURFACE WTR & AFFECTED SOIL NOT INDICATED BY THE TOPO MAP. BMP ARE DEVELOPED FOR THIS LOCATION & A WRITTEN COPY IS AVAIL. AT KPK's CORPORATE OFFICE. / PAGE 2 OF MCCARTY 14-22-23, LOCATION #332825, FORM 2A. Surface use agreement, exception location waivers and request filed with Form 2 DOC #2093094.

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

Signed: \_\_\_\_\_ Date: 12/09/2009 Email: SGLASS@KPK.COM

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:  Director of COGCC Date: 1/13/2010

Location may be in a sensitive area due to shallow groundwater; therefore if drilling pits intercept groundwater the pit must be lined or a closed loop system used.

### **Attachment Check List**

Att Doc Num	Name	Doc Description
1641399	CORRESPONDENCE	LF@2207646 1641399
1641400	CORRESPONDENCE	LF@2207847 1641400
2063529	HYDROLOGY MAP	LF@2193688 2063529
2063530	HYDROLOGY MAP	LF@2193689 2063530
2063531	HYDROLOGY MAP	LF@2193690 2063531
2093104	FORM 2A	LF@2193844 2093104
2093105	LOCATION PICTURES	LF@2193681 2093105
2093106	LOCATION PICTURES	LF@2199689 2093106
2093107	LOCATION DRAWING	LF@2193682 2093107
2093108	HYDROLOGY MAP	LF@2193845 2093108
2093109	HYDROLOGY MAP	LF@2193683 2093109
2093111	ACCESS ROAD MAP	LF@2193684 2093111
2093112	REFERENCE AREA MAP	LF@2193685 2093112
2093113	REFERENCE AREA PICTURES	LF@2193686 2093113
2093114	NRCS MAP UNIT DESC	LF@2193846 2093114
2093115	MULTI-WELL PLAN	LF@2193687 2093115

Total Attach: 16 Files