

**FORM
2A**Rev
04/01State 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:

400060686

Oil and Gas Location Assessment☐ New Location ☒ Amend Existing Location Location#: 332832

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:

332832

Expiration Date:

12/20/2013☒ 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

Fax: (303) 825-4825

email: sglass@kpk.com

4. Location Identification:

Name: Front Range Number: #11-17 pad

County: WELD

QuarterQuarter: NESW Section: 17 Township: 4N Range: 66W Meridian: 6 Ground Elevation: 4723

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: 1505 feet FSL, from North or South section line, and 1957 feet FWL, from East or West section line.

Latitude: 40.308540 Longitude: -104.804050 PDOP Reading: 6.0 Date of Measurement: 03/01/2010

Instrument Operator's Name: Kipper Goldsberry

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="10"/>	Production Pits: <input type="text"/>	Dehydrator Units: <input type="text"/>
Condensate Tanks: <input type="text" value="2"/>	Water Tanks: <input type="text" value="2"/>	Separators: <input type="text" value="4"/>	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="10"/>	Oil Pipeline: <input type="text" value="10"/>	Water Pipeline: <input type="text"/>	Flare: <input type="text"/>
Gas Compressors: <input type="text"/>	VOC Combustor: <input type="text" value="1"/>	Oil Tanks: <input type="text"/>	Fuel Tanks: <input type="text"/>	

Other: meter station

6. Construction:

Date planned to commence construction: 04/01/2011 Size of disturbed area during construction in acres: 3.75
Estimated date that interim reclamation will begin: 06/06/2011 Size of location after interim reclamation in acres: 2.87
Estimated post-construction ground elevation: 4723 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: 537, public road: 1505, above ground utilit: 1505
, railroad: 5280, property line: 179

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 be 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: 68. Ustic Torriorthents, moderately steep

NRCS Map Unit Name: 76. Vona sandy loam, 1 to 3% slopes

NRCS Map Unit Name: 3. Aquolls and Aquents, gravelly substratum, 0 to 3% slopes

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: 03/01/2010

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: 165, water well: 749, depth to ground water: 29

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:

Current SUA with surface owner, copy attached to form 2. There are no surface improvements besides agricultural access road and the existing access road will be used and possibly changed for access to this pad. A road access agreement is in place. The surface owner operates a private game preserve for migratory birds and other wildlife on this property and preservation of wetlands, natural vegetation and water quality are indicated in the SUA. Drilling can only occur from 2-16 to 9-29 of any given year. Schematic drawing attached shows proposed BMPs for SWMP, access road and approximate size of pad in relation to nearest existing structure. K P Kaufman Company, Inc. requests approval of a Rule 318Aa exception location: Wellhead is to be located outside of a GWA drilling window. Waivers are attached.

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

Signed: _____ Date: 08/18/2010 Email: sglass@kpk.com

Print Name: Sherry Glass Title: Engineering Technician

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. Neslin

COGCC Approved: _____ Director of COGCC Date: 12/21/2010

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.

The wetland boundary north of the proposed location will be determined and marked by a qualified professional prior to construction of the well pad.

Location is on steep slopes; therefore the cut and fill slopes should be constructed in such a manner to manage site drainage and slope stability. The slopes should be stabilized immediately after the location has been constructed.

Operator must implement site-specific best management practices in accordance with good engineering practices, including, but not limited to, construction of a berm or diversion dike, site grading, or other comparable measures, sufficient to protect the surface water/wetlands located 165 feet north of the proposed oil and gas location from a release of drilling, completion, produced fluids, and chemical products.

Location is in a sensitive area because of proximity to surface water and wetlands; therefore, either a lined drilling pit or closed loop system is required.

Construction of the pad and the continuing operation of the facility will not encroach beyond the current boundary of the wetland area to the north of the location.

Attachment Check List

Att Doc Num	Name
1642018	CORRESPONDENCE
2622166	CONST. LAYOUT DRAWINGS
2622167	EXCEPTION LOC REQUEST
2622168	EXCEPTION LOC WAIVERS
400060686	FORM 2A SUBMITTED
400071032	LOCATION DRAWING
400071034	LOCATION PICTURES
400071041	NRCS MAP UNIT DESC
400071043	OTHER
400071046	HYDROLOGY MAP
400071048	TOPO MAP
400071063	LOCATION DRAWING
400085600	SURFACE AGRMT/SURETY
400085646	MULTI-WELL PLAN
400085647	ACCESS ROAD MAP
400085653	LOCATION DRAWING

Total Attach: 16 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	I attached the updated construction layout drawings and added two COA to better clarify the protection of the wetlands to the north of the location.	12/20/2010 4:02:22 PM
OGLA	Requested changing sensitive area designation to Yes, distance to nearest water well to 749 feet, depth to ground water to 29 feet, and adding three COAs. Operator (S. Glass) approved.	10/25/2010 1:09:52 PM
Permit	Back ON-HOLD. It was determined that the estimated 14000 yards of fill was cost prohibitive would not be approved by the surface owner. Therefore it was determined that the elevation of the pad would be lower so that the material cut could adequately supply the needs for fill material. Operator will resubmit a new construction layout diagram reflecting the new plan. PVG	10/19/2010 4:54:22 PM
Permit	Removed from HOLD. Operator has submitted changes to well pad layout to include berming and mitigation related to the location of vessels with respect to wetlands. Uploaded new construction layout drawing to application as attachment. PVG	10/12/2010 2:29:47 PM
Permit	On Hold. From onsite consultation, operator indicated desire to amend form 2A. PVG	8/31/2010 9:54:50 AM
OGLA	Following on-site consultation, Operator indicated that they will be modifying this 2A with revised Attachments. DA 8/30/10	

Total: 6 comment(s)

BMP

<u>Type</u>	<u>Comment</u>

Total: 0 comment(s)