

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:
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:

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

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="checkbox"/>	Drilling Pits: <input type="checkbox"/> <u>1</u>	Wells: <input type="checkbox"/> <u>10</u>	Production Pits: <input type="checkbox"/>	Dehydrator Units: <input type="checkbox"/>
Condensate Tanks: <input type="checkbox"/> <u>2</u>	Water Tanks: <input type="checkbox"/> <u>2</u>	Separators: <input type="checkbox"/> <u>4</u>	Electric Motors: <input type="checkbox"/>	Multi-Well Pits: <input type="checkbox"/>
Gas or Diesel Motors: <input type="checkbox"/>	Cavity Pumps: <input type="checkbox"/>	LACT Unit: <input type="checkbox"/>	Pump Jacks: <input type="checkbox"/>	Pigging Station: <input type="checkbox"/>
Electric Generators: <input type="checkbox"/>	Gas Pipeline: <input type="checkbox"/> <u>10</u>	Oil Pipeline: <input type="checkbox"/> <u>10</u>	Water Pipeline: <input type="checkbox"/>	Flare: <input type="checkbox"/>
Gas Compressors: <input type="checkbox"/>	VOC Combustor: <input type="checkbox"/> <u>1</u>	Oil Tanks: <input type="checkbox"/>	Fuel Tanks: <input type="checkbox"/>	

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 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: Front Range Land-Lvstk Phone:
Address: 1776 Lincoln St Fax:
Address: Ste 811 Email:
City: Denver State: CO Zip: 80203 Date of Rule 306 surface owner consultation:
Surface Owner: X Fee State Federal Indian
Mineral Owner: X Fee State Federal Indian
The surface owner is: the mineral owner X committed to an oil and gas lease
X 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: 20010023 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: 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 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: 600, depth to ground water: 15

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:

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.

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

Signed: _____ Date: _____ 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.

COGCC Approved: _____ Director of COGCC Date: _____

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	Doc Description
400071032	LOCATION DRAWING	Conceptual Well Pad Layout.pdf
400071034	LOCATION PICTURES	Binder1.pdf
400071041	LOCATION DRAWING	Front Range #11-17 pad UTS 3-68-76 AND soils map.pdf
400071043	OTHER	water wells in Front Range #11-17 pad area.pdf
400071046	HYDROLOGY MAP	hydrology map Front Range #11-17 pad_3.pdf
400071048	TOPO MAP	FRONT RANGE 11-17 PAD TOPO.pdf
400071063	LOCATION DRAWING	well location map Front Range #11-17 pad_2.pdf
400085476	PROPOSED BMPs	Conceptual Well Pad Layoutw pond SWmgmt.pdf
400085600	SURFACE AGRMT/SURETY	Front Range lease_Final SUA_memorandum and attachments f.pdf
400085646	MULTI-WELL PLAN	Front Range multi- wells pad plat_11_100726.pdf
400085647	ACCESS ROAD MAP	Front Range 11-17 pad road access concept plan_3 acres_100513.pdf
400085653	LOCATION DRAWING	Front Range pad schematic drawing.pdf

Total Attach: 12 Files

BMP

<u>Type</u>	<u>Comment</u>
Storm Water/Erosion Control	Please see attached conceptual pad plat with indicated storm water retention pond and rockfall for capture area.

Total: 1 comment(s)