

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:

400085091

## Oil and Gas Location Assessment

☐ New Location ☒ Amend Existing Location Location#: 332807

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:

**332807**

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: 10273

Name: HRM RESOURCES LLC

Address: 410 17TH ST STE 1200

City: DENVER State: CO Zip: 80202

## 3. Contact Information

Name: CLAYTON DOKE

Phone: (970) 669-7411

Fax: (970) 669-4077

email: cdoke@petersonenergy.com

4. Location  
Identification:

Name: DUTTON PAD Number: CNW-22

County: WELD

QuarterQuarter: NWNW Section: 22 Township: 4N Range: 67W Meridian: 6 Ground Elevation: 4871

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: 1158 feet, from North or South section line: FNL and 1177 feet, from East or West section line: FWL

Latitude: 40.302110 Longitude: -104.882150 PDOP Reading: 0.9 Date of Measurement: 08/09/2010

Instrument Operator's Name: BRIAN T. BRINKMAN

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

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

Other: 3-PHASE FLOW LINE TO BATTERY LOCATED ~1,100' WEST OF TEH PROPOSED DUTTON 0-2-22 WELL (~32' EAST OF COUNTY ROAD 19)

6. Construction:

Date planned to commence construction: 09/01/2010 Size of disturbed area during construction in acres: 1.50  
Estimated date that interim reclamation will begin: 09/15/2010 Size of location after interim reclamation in acres: 0.50  
Estimated post-construction ground elevation: 4871 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: MILLIKEN INVESTORS, LLC Phone: \_\_\_\_\_  
Address: 6025 S. QUEBEC ST., SUITE 250 Fax: \_\_\_\_\_  
Address: \_\_\_\_\_ Email: \_\_\_\_\_  
City: CENTENNIAL State: CO Zip: 80111 Date of Rule 306 surface owner consultation: 07/03/2008  
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: 20090029 ☐ Gas Facility Surety ID: \_\_\_\_\_ ☐ Waste Mgmt. Surety ID: \_\_\_\_\_

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes ☐ No ☒  
Distance, in feet, to nearest building: 1182, public road: 1177, above ground utilit: 1177  
, railroad: 5280, property line: 155

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: COLBY LOAM, 1 TO 3 PERCENT SLOPES  
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: 915, water well: 1060, depth to ground water: 30  
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 #93108 TO THE NORTH WAS DRILLED TO 30' AND PRODUCED AT 2 GAL/MIN. THIS WELL IS 10' HIGHER IN ELEVATION THAN THE LOCATION. LOCATION MAY BE IN A SENSITIVE AREA: DEPTH TO GROUNDWATER IN ABOVE WELL IS UNKNOWN BUT NO MORE THAN 30', THERE ARE RETENTION PONDS 900' AWAY AND 20' HIGHER LIKELY CONTRIBUTING TO GROUNDWATER FLOW MOVING EAST, AND THERE IS AN IRRIGATION DITCH APPROXIMATELY 700' TO THE EAST AND APPROXIMATELY 40' LOWER THAN THE LOCATION. SUA ON FILE (DOC #2049905). HRM RESOURCES LLC REQUESTS APPROVAL OF A RULE 318A(c) EXCEPTION LOCATION; WELLHEAD IS TO BE DRILLED GREATER THAN 50' FROM AN EXISTING WELL LOCATION. EXCEPTION LOCATION REQUEST AND WAIVERS ARE ATTACHED. THE DUTTON #11-22 AND #21-22 WELLS WERE APPROVED PREVIOUSLY. SUNDRY NOTICES WERE SENT TO THE STATE 8/11/2010 IN ORDER TO MOVE THE SURFACE LOCATIONS OF THESE WELLS NORTH 20'. SCANNED COPIES OF THESE ARE INCLUDED WITH THIS 2A.

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

Signed: \_\_\_\_\_ Date: \_\_\_\_\_ Email: cdoke@petersonenergy.com

Print Name: CLAYTON DOKE Title: ENGINEER

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
400085108	NRCS MAP UNIT DESC	NRCS Report.pdf
400085118	EXCEPTION LOC REQUEST	Exception Request to State- 318.A(c), 08-16-10.pdf
400085466	OTHER	Dutton #11-22, Form 4, SHL & BHL CHNG, SIGNED, 08-11-10.pdf
400085467	OTHER	Dutton #21-22, Form 4, SHL & BHL CHNG, SIGNED, 08-11-10.pdf
400085540	MULTI-WELL PLAN	Dutton Pad #CNW-22, Multi-Well Plan.pdf
400085572	ACCESS ROAD MAP	Access Road Map.pdf
400085573	HYDROLOGY MAP	Hydrology Map.pdf
400085578	LOCATION DRAWING	Location Drawing.pdf
400085582	LOCATION PICTURES	Dutton 0-2-22 (8-10-10), Pictures.pdf
400086609	EXCEPTION LOC WAIVERS	Dutton Pad #CNW-22, Exception Location 318.A(c) Waiver, SIGNED, 08-23-10.pdf

Total Attach: 10 Files