

FORM  
2A

Rev  
08/13

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203  
Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400602117

Date Received:

05/05/2014

Oil and Gas Location Assessment

New Location     Refile     Amend Existing Location    Location#: 338129

Submit signed original form. This Oil and Gas Location Assessment is to be submitted to the COGCC for approval prior to any ground disturbance activity associated with oil and gas operations. Approval of this Oil and Gas Location 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. Please see the COGCC website at <http://cogcc.state.co.us/> for all accompanying information pertinent this Oil and Gas Location Assessment.

Location ID:

**338129**

Expiration Date:

**06/27/2017**

This location assessment is included as part of a permit application.

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.

Operator

Operator Number: 10489  
 Name: AUGUSTUS ENERGY RESOURCES LLC  
 Address: 36695 HWY 385  
 City: WRAY    State: CO    Zip: 80758

Contact Information

Name: Loni Davis  
 Phone: (970) 332-3585  
 Fax: (970) 332-3587  
 email: ldavis@augustusenergy.com

RECLAMATION FINANCIAL ASSURANCE

- Plugging and Abandonment Bond Surety ID: 20130106     Gas Facility Surety ID: \_\_\_\_\_
- Waste Management Surety ID: \_\_\_\_\_

LOCATION IDENTIFICATION

Name: Ekberg    Number: 43-32 1S43W  
 County: YUMA  
 Quarter: NESE    Section: 32    Township: 1S    Range: 43W    Meridian: 6    Ground Elevation: 3774

Define a single point as a location reference for the facility location. When the location is to be used as a well site then the point shall be a well location.

Footage at surface: 1970 feet FSL from North or South section line  
661 feet FEL from East or West section line

Latitude: 39.925170    Longitude: -102.206450

PDOP Reading: 1.8    Date of Measurement: 05/02/2014

Instrument Operator's Name: John Thompson

## RELATED REMOTE LOCATIONS

(Enter as many Related Locations as necessary. Enter the Form 2A document # only if there is no established COGCC Location ID#)

**This proposed Oil and Gas Location is:**

**LOCATION ID #** 422484 **FORM 2A DOC #** \_\_\_\_\_

Production Facilities Location serves Well(s)

\_\_\_\_\_

## FACILITIES

Indicate the number of each type of oil and gas facility planned on location

Wells	<u>1</u>	Oil Tanks	_____	Condensate Tanks	_____	Water Tanks	_____	Buried Produced Water Vaults	_____
Drilling Pits	<u>1</u>	Production Pits	_____	Special Purpose Pits	_____	Multi-Well Pits	_____	Temporary Large Volume Above Ground Tanks	_____
Pump Jacks	<u>1</u>	Separators	_____	Injection Pumps	_____	Cavity Pumps	_____		
Gas or Diesel Motors	_____	Electric Motors	<u>1</u>	Electric Generators	_____	Fuel Tanks	_____	Gas Compressors	_____
Dehydrator Units	_____	Vapor Recovery Unit	_____	VOC Combustor	_____	Flare	_____	LACT Unit	_____
								Pigging Station	_____

## OTHER FACILITIES

**Other Facility Type**

**Number**

_____	_____
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Per Rule 303.b.(3)C, description of all oil, gas, and/or water pipelines:

There will be approximately 1,992' of 2" gas, 2" water and #2 Electric wire laid S/SW from location to existing location Ekberg 1-32, continuing S/SE to existing metershed on south end of Quarter section. See attached map for detailed drawing.

## CONSTRUCTION

Date planned to commence construction: 07/10/2014 Size of disturbed area during construction in acres: 2.00  
Estimated date that interim reclamation will begin: 08/15/2014 Size of location after interim reclamation in acres: 1.00  
Estimated post-construction ground elevation: 3774

## DRILLING PROGRAM

Will a closed loop system be used for drilling fluids: No

Is H<sub>2</sub>S anticipated? No

Will salt sections be encountered during drilling: No

Will salt based mud (>15,000 ppm Cl) be used? No

Will oil based drilling fluids be used? No

## DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: OFFSITE Drilling Fluids Disposal Method: UIC Disposal

Cutting Disposal: ONSITE Cuttings Disposal Method: Drilling pit

Other Disposal Description:

\_\_\_\_\_

Beneficial reuse or land application plan submitted? \_\_\_\_\_

Reuse Facility ID: \_\_\_\_\_ or Document Number: \_\_\_\_\_

Centralized E&P Waste Management Facility ID, if applicable: \_\_\_\_\_

## SURFACE & MINERALS & RIGHT TO CONSTRUCT

Name: Harry Ekberg Phone: \_\_\_\_\_

Address: 21776 County Road KK

Fax: \_\_\_\_\_

Address: \_\_\_\_\_

Email: \_\_\_\_\_

City: Wray State: CO Zip: 80758

Surface Owner:  Fee  State  Federal  Indian

Check all that apply. The Surface Owner:  is the mineral owner  
 is committed to an oil and Gas Lease  
 has signed the Oil and Gas Lease  
 is the applicant

The Mineral Owner beneath this Oil and Gas Location is:  Fee  State  Federal  Indian

The Minerals beneath this Oil and Gas Location will be developed from or produced to this Oil and Gas Location: Yes

The right to construct this Oil and Gas Location is granted by: oil and gas lease

Surface damage assurance if no agreement is in place: \_\_\_\_\_ Surface Surety ID: \_\_\_\_\_

Date of Rule 306 surface owner consultation 04/11/2014

### CURRENT AND FUTURE LAND USE

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

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

## CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 3935 Feet  
Building Unit: 3935 Feet  
High Occupancy Building Unit: 5280 Feet  
Designated Outside Activity Area: 5280 Feet  
Public Road: 1985 Feet  
Above Ground Utility: 1970 Feet  
Railroad: 5280 Feet  
Property Line: 569 Feet

### INSTRUCTIONS:

- All measurements shall be provided from center of nearest Well or edge of nearest Production Facility to nearest of each cultural feature as described in Rule 303.b.(3)A.  
- Enter 5280 for distance greater than 1 mile.  
- Building - nearest building of any type. If nearest Building is a Building Unit, enter same distance for both.  
- Building Unit, High Occupancy Building Unit, and Designated Outside Activity Area - as defined in 100-Series Rules.

## DESIGNATED SETBACK LOCATION INFORMATION

Check all that apply. This location is within a:  Buffer Zone  
 Exception Zone  
 Urban Mitigation Area

- Buffer Zone - as described in Rule 604.a.(2), within 1,000' of a Building Unit.  
- Exception Zone - as described in Rule 604.a.(1), within 500' of a Building Unit.  
- Urban Mitigation Area - as defined in 100-Series Rules.

Pre-application Notifications (required if location is within 1,000 feet of a building unit):

Date of Rule 305.a.(1) Urban Mitigation Area Notification to Local Government: \_\_\_\_\_  
Date of Rule 305.a.(2) Buffer Zone Notification to Building Unit Owners: \_\_\_\_\_

## SOIL

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.org/> 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: 10: Colby Silt Loams 3-6% Slopes  
NRCS Map Unit Name: \_\_\_\_\_  
NRCS Map Unit Name: \_\_\_\_\_

## 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 (Bluestem, 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): \_\_\_\_\_

## WATER RESOURCES

Is this a sensitive area:  No  Yes

Distance to nearest

downgradient surface water feature: 790 Feet

water well: 3749 Feet

Estimated depth to ground water at Oil and Gas Location 53 Feet

Basis for depth to groundwater and sensitive area determination:

Sensitive area due to location in Northern High Plains Designated Groundwater Basin. Depth to Ground water was determined from DWR website via COGCC website. Well Permit # 0115033 NWSE/4 Sec. 29-T1S-R43W. Nearest producing water well is approx. 3,749'. The closest wells are Monitoring Wells, not sure if they are active.

Is the location in a riparian area:  No  Yes

Was an Army Corps of Engineers Section 404 permit filed  No  Yes If yes attach permit.

Is the location within a Rule 317B Surface Water Supply Area buffer No  
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: \_\_\_\_\_

## GROUNDWATER BASELINE SAMPLING AND MONITORING AND WATER WELL SAMPLING

Water well sampling required per Rule 609

## DESIGNATED SETBACK LOCATION EXCEPTIONS

Check all that apply:

- Rule 604.a.(1)A. Exception Zone (within 500' of Building Unit)
- Rule 604.b.(1)A. Exception Location (existing or approved Oil & Gas Location now within a Designated Setback as a result of Rule 604.a.)
- Rule 604.b.(1)B. Exception Location (existing or approved Oil & Gas Location is within a Designated Setback due to Building Unit construction after Location approval)
- Rule 604.b.(2) Exception Location (SUA or site-specific development plan executed on or before August 1, 2013)
- Rule 604.b.(3) Exception Location (Building Units constructed after August 1, 2013 within setback per an SUA or site-specific development plan)

## RULE 502.b VARIANCE REQUEST

- Rule 502.b. Variance Request from COGCC Rule or Spacing Order Number \_\_\_\_\_

ALL exceptions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g. waivers, certifications, SUAs).

## OPERATOR COMMENTS AND SUBMITTAL

Comments

There are no visible improvements within 500' of this location. We would like to use the existing location ID # for this well 338129.  
There have been no changes to the location.  
-I certify that there have been no changes on land use, lease description.  
-The pad has not been built.  
-A Pit will be used for the cuttings, but has not been constructed yet  
-There will be no additional surface disturbance.  
-The location does not require a variance from any of the rules listed in Rule 306.d.(1).(A).(ii).  
-The location is not within a wildlife Restricted Surface Occupancy Area.

I am not able to mark the REFILE box on the Consultation/Contact info tab and enter the existing location ID #.  
Therefore I have marked the Amend Location and added the Location ID #.

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

Signed: \_\_\_\_\_ Date: 05/05/2014 Email: ldavis@augustusenergy.com

Print Name: Loni Davis Title: Oper Acctg & Reg Spec.

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: 6/28/2014

### **Conditions Of Approval**

**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.**

<b><u>COA Type</u></b>	<b><u>Description</u></b>

### **Best Management Practices**

<b><u>No</u></b>	<b><u>BMP/COA Type</u></b>	<b><u>Description</u></b>
1	Drilling/Completion Operations	<p>Best Management Practices Southern Yuma County, Colorado</p> <p>To address construction during drilling and all other operations associated with Oil and Gas development throughout Southern Yuma County, Colorado area StormWater Management Plans(SWMP) are in place and in compliance with the Colorado Department of Health and Environment (CDPHE) under Permit # COR-039920.</p> <p>Best Management Practices (BMP's) will be reviewed and maintained prior to, during and after construction of drilling site, laying of flowlines, installation of surface equipment and reclamation of site. Each location's BMP's will vary according to terrain and phase of construction and will be implemented in accordance to SWMP.</p> <p>Regular location inspections will be performed and any BMP's not effectively working will be documented and resolved in a timely manner.</p> <p>Spill Prevention, Control and Countermeasures will be implemented. Should any spills occur they will be cleaned up immediately and effectively to minimize any integration with storm water runoff. General good housekeeping practices will be performed to keep spills at a minimum.</p>

Total: 1 comment(s)

## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
2519191	LOCATION DRAWING
400602117	FORM 2A SUBMITTED
400602163	ACCESS ROAD MAP
400602165	HYDROLOGY MAP
400602230	LOCATION PICTURES
400602238	SURFACE PLAN
400602246	SURFACE AGRMT/SURETY
400602250	PROPOSED BMPs
400602269	NRCS MAP UNIT DESC

Total Attach: 9 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final review completed; no LGD or public comment received.	6/27/2014 6:25:48 AM
Permit	Attached Location drawing.	6/26/2014 10:59:08 AM
OGLA	Changed distance to nearest public road to 1985 per June 26, 2014 telephone conversation with the operator.	6/26/2014 9:23:11 AM
OGLA	Changed distance to nearest downgradient surface water body to 790 feet based on the USGS Topo on the COGIS Map and the Hydrology Map provided by the Operator.	6/25/2014 11:56:32 AM
OGLA	Location lies within a sensitive area, however, no additional sensitive receptors were identified warranting additional COAs.	6/25/2014 11:52:18 AM
OGLA	Changed "Closed Loop System" from YES to NO based on the use of the drilling pit.	6/25/2014 11:38:58 AM
Permit	Operator made comment that there are no improvements within 500 of the disturbance. No location drawing.	6/23/2014 11:19:14 AM
Permit	Typo on facility ID. Changed number to 422484 from 422485.	6/23/2014 8:48:53 AM
Permit	Passed completeness	5/9/2014 2:45:10 PM
Permit	Return to draft. Missing refile statements.	5/6/2014 3:02:21 PM

Total: 10 comment(s)