

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:

400595808

Date Received:

04/29/2014

Oil and Gas Location Assessment

☒ New Location    ☐ Refile    ☐ Amend Existing Location    Location#: \_\_\_\_\_

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:

**438354**

Expiration Date:

**07/29/2017**

☒ 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: 10503

Name: RED HAWK PETROLEUM LLC

Address: 4125 BLACKHAWK PLAZA CIRCLE SUITE 201A

City: DANVILLE    State: CA    Zip: 94506

Contact Information

Name: Angie Galvan

Phone: (281) 716-5730

Fax: (281) 815-2882

email: Angie.Galvan@stxra.com

RECLAMATION FINANCIAL ASSURANCE

☒ Plugging and Abandonment Bond Surety ID: 20140027    ☐ Gas Facility Surety ID: \_\_\_\_\_

☐ Waste Management Surety ID: \_\_\_\_\_

LOCATION IDENTIFICATION

Name: Loomis    Number: 2-7H

County: WELD

QuarterQuarter: SWSE    Section: 2    Township: 7N    Range: 60W    Meridian: 6    Ground Elevation: 4949

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: 250 feet FSL from North or South section line

1874 feet FEL from East or West section line

Latitude: 40.597800    Longitude: -104.056750

PDOP Reading: 1.3    Date of Measurement: 04/16/2014

Instrument Operator's Name: Eric Purcell

## 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 # FORM 2A DOC #

## FACILITIES

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

Wells	6	Oil Tanks	20	Condensate Tanks		Water Tanks	6	Buried Produced Water Vaults	
Drilling Pits		Production Pits		Special Purpose Pits		Multi-Well Pits		Temporary Large Volume Above Ground Tanks	
Pump Jacks	6	Separators	12	Injection Pumps		Cavity Pumps			
Gas or Diesel Motors		Electric Motors		Electric Generators		Fuel Tanks		Gas Compressors	6
Dehydrator Units		Vapor Recovery Unit		VOC Combustor		Flare	6	LACT Unit	
								Pigging Station	

## OTHER FACILITIES

Other Facility Type

Number

Freshwater Pit

1

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

A temporary water line may be installed to transport water to the well from the above ground fresh water storage facilities prior to stimulation. The temporary water line would only be used to transport fresh water, permitted for consumable industrial use, and would be removed no later than 60 days following the installation of such lines. A gas pipeline is expected to be installed before production of the well is established. The gas pipeline will be owned by Sterling Energy. Each pad will be connected to a single gas sales line:

Gas Pipeline: 2" Fiberglass, Buried, Pressure up to 125#

Temporary water transfer line: 4-6" Aluminum pipe and/or Polyurethane hose, Surface (temporary), Pressure 0-? – I don't expect much pressure if any.

## CONSTRUCTION

Date planned to commence construction: 08/01/2014 Size of disturbed area during construction in acres: 5.90

Estimated date that interim reclamation will begin: 02/01/2015 Size of location after interim reclamation in acres: 3.00

Estimated post-construction ground elevation: 4949

## DRILLING PROGRAM

Will a closed loop system be used for drilling fluids: Yes

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: Commercial Disposal

Cutting Disposal: OFFSITE

Cuttings Disposal Method: Commercial Disposal

Other Disposal Description:

Beneficial reuse or land application plan submitted? No

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

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

## SURFACE & MINERALS & RIGHT TO CONSTRUCT

Name: Ada Loomis

Phone: \_\_\_\_\_

Address: 24975 MCR 19

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

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

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

City: Fort Morgan State: CO Zip: 80701

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: Bond

Surface damage assurance if no agreement is in place: Blanket Surface Surety ID: 20140026

Date of Rule 306 surface owner consultation \_\_\_\_\_

## 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: 3815 Feet  
Building Unit: 3640 Feet  
High Occupancy Building Unit: 5280 Feet  
Designated Outside Activity Area: 5280 Feet  
Public Road: 3320 Feet  
Above Ground Utility: 3290 Feet  
Railroad: 5280 Feet  
Property Line: 250 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 be 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: (44) Olney fine sandy loam, 0 to 6 percent 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: 8200 Feet

water well: 5524 Feet

Estimated depth to ground water at Oil and Gas Location 74 Feet

Basis for depth to groundwater and sensitive area determination:

There is no water feature within 1000' of the proposed location. However, the nearest water well has a static water level of 74 which was used to determine the estimated ground water depth.

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 

An application for increased density has been submitted and is on the June 16, 2014 docket

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

Signed: \_\_\_\_\_ Date: 04/29/2014 Email: Angie.Galvan@stxra.com

Print Name: Angie Galvan Title: Regulatory Analyst

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: 7/30/2014

### **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>
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### **Best Management Practices**

<b><u>No</u></b>	<b><u>BMP/COA Type</u></b>	<b><u>Description</u></b>
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1	Storm Water/Erosion Control	Material handling and spill prevention procedures and practices will be followed to help prohibit discharges to surface waters. Internal storm water inspections will be conducted per applicable stormwater regulations. Any excessive precipitation accumulation within containment should be removed as appropriate and disposed of properly. Implement appropriate erosion control devices where necessary to minimize erosion of the access road and pad.
2	Material Handling and Spill Prevention	Operator will ensure 110 percent secondary containment for any volume of fluids contained at the well site during drilling and completion. Operator will implement best practices to contain any unintentional release of fluids.
3	Construction	The location will be fenced and the fenced area will include the fresh water containment. Fresh water for the fresh water storage comes from a water provider, water sources permitted for consumable industrial use.
4	Drilling/Completion Operations	Drill cuttings will either be hauled to an approved spread field or waste disposal facility. Drilling fluids will be contained and hauled to an approved waste disposal facility. Flowback and stimulation fluids will be sent to tanks and/or filters to allow the sand to settle out before the fluids are hauled to a state approved disposal facility. Diking, berms, ditches and other forms of containment and diversions will be utilized around tanks, frac tanks, liquids, and/or well pad.

Total: 4 comment(s)

### **Attachment Check List**

<b><u>Att Doc Num</u></b>	<b><u>Name</u></b>
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1668324	CORRESPONDENCE
400595808	FORM 2A SUBMITTED
400595823	NRCS MAP UNIT DESC
400595824	ACCESS ROAD MAP
400595825	CONST. LAYOUT DRAWINGS
400595827	HYDROLOGY MAP
400595828	LOCATION DRAWING
400595830	LOCATION PICTURES
400595831	REFERENCE AREA PICTURES
400595832	REFERENCE AREA MAP
400595833	MULTI-WELL PLAN

Total Attach: 11 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	No LGD or public comments. Final Review--passed.	7/30/2014 9:57:11 AM
OGLA	IN PROCESS - Operator provided additional pipeline description. No Public Comments. OGLA task passed.	5/22/2014 10:42:36 AM
OGLA	ON HOLD - Add freshwater pit to Facilities list and pipeline description is incomplete. Due by 6/15/14.	5/15/2014 11:16:32 AM
Permit	Passed completeness. Filled in Surface Surety ID no. as per operator's request.	5/1/2014 3:51:23 PM
Permit	Returned to draft per operator's request	4/30/2014 9:42:17 AM

Total: 5 comment(s)