

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:

400342751

Date Received:

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:

Expiration Date:

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: 10399  
Name: NIGHTHAWK PRODUCTION LLC  
Address: 1805 SHEA CENTER DR #290  
City: HIGHLANDS RANCH State: CO Zip: 80129

Contact Information

Name: KYLA VAUGHAN  
Phone: (505) 635-5669  
Fax: ( )  
email: KVAUGHAN@LTENV.COM

RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 20120012     Gas Facility Surety ID: \_\_\_\_\_

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

LOCATION IDENTIFICATION

Name: CRAIG Number: 11-34  
County: LINCOLN

Quarter: NESW Section: 34 Township: 13S Range: 55W Meridian: 6 Ground Elevation: 5085

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: 2287 feet FSL from North or South section line  
2552 feet FWL from East or West section line

Latitude: 38.871640 Longitude: -103.543620

PDOP Reading: 3.1 Date of Measurement: 10/08/2012

Instrument Operator's Name: KEITH WESTFALL

## 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	<u>1</u>	Oil Tanks	<u>4</u>	Condensate Tanks	<u>        </u>	Water Tanks	<u>2</u>	Buried Produced Water Vaults	<u>        </u>
Drilling Pits	<u>1</u>	Production Pits	<u>        </u>	Special Purpose Pits	<u>        </u>	Multi-Well Pits	<u>        </u>	Temporary Large Volume Above Ground Tanks	<u>        </u>
Pump Jacks	<u>1</u>	Separators	<u>1</u>	Injection Pumps	<u>        </u>	Cavity Pumps	<u>        </u>		
Gas or Diesel Motors	<u>1</u>	Electric Motors	<u>        </u>	Electric Generators	<u>        </u>	Fuel Tanks	<u>        </u>	Gas Compressors	<u>        </u>
Dehydrator Units	<u>        </u>	Vapor Recovery Unit	<u>        </u>	VOC Combustor	<u>        </u>	Flare	<u>1</u>	LACT Unit	<u>        </u>
								Pigging Station	<u>        </u>

## OTHER FACILITIES

Other Facility Type

Number

<input type="text"/>	<input type="text"/>
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Per Rule 303.b.(3)C, description of all oil, gas, and/or water pipelines:

## CONSTRUCTION

Date planned to commence construction: 10/21/2013 Size of disturbed area during construction in acres: 2.50

Estimated date that interim reclamation will begin: 01/13/2014 Size of location after interim reclamation in acres: 1.50

Estimated post-construction ground elevation: 5085

## 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: ONSITE Drilling Fluids Disposal Method: Evaporation

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: Cross Properties LLC Phone:

Address: 970 Summer Games Drive

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

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

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

City: Colorado Springs State: CO Zip: 80906

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: Surface Use Agreement

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

Date of Rule 306 surface owner consultation 08/22/2013

**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: 5280 Feet  
Building Unit: 5280 Feet  
High Occupancy Building Unit: 5280 Feet  
Designated Outside Activity Area: 5280 Feet  
Public Road: 5280 Feet  
Above Ground Utility: 5280 Feet  
Railroad: 5280 Feet  
Property Line: 1232 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: 220 Access Denied Areas

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: 10/24/2012

List individual species: 70% Blue Grama, witchgrass, winter wheat

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: 2999 Feet

water well: 4008 Feet

Estimated depth to ground water at Oil and Gas Location 26 Feet

Basis for depth to groundwater and sensitive area determination:

There are no water wells located in Section 34. The nearest water with depth information is in Section 33, 4008' away with an elevation of approximately 5107'. DTW is listed in this well as 8' (receipt #9090557). There is another water well in Section 33 in SW 1/4 6808' feet away and a water well in Section 26, 4516' away. Neither of these wells provide any data. There is a minute amount of surface water in the entire section of 34. Existing oil well were reviewed in section 34, but no DTW could be determined. I don't believe 8' is a true representation of the DTW at our proposed location due to distance and elevation. 26' DTW is a best estimated evaluation.

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

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

Signed: \_\_\_\_\_ Date: \_\_\_\_\_ Email: KVAUGHAN@LTENV.COM

Print Name: KYLA VAUGHAN Title: AGENT FOR NIGHTHAWK  
PROD

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**

**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.**

#### **COA Type**

#### **Description**

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

### **Best Management Practices**

#### **No BMP/COA Type**

#### **Description**

<b><u>No BMP/COA Type</u></b>	<b><u>Description</u></b>
1 Construction	<p>Certificate to Discharge Under CDPHE General Permit No. COR-030000. Stormwater Discharges associated with Construction Certification No. COR031825 Prior to construction, perimeter controls will be installed utilizing cuttings from the clearing operations. Once the well pad has been constructed a vareity of BMP's shall be utilized for the site specific conditions. BMP's to be utilized may include, but are not limited to: -Dirt Ditch/Berm -Erosion Control Blankets -Straw Bale Barrier -Straw Wattles -Seeding -Imported Hard Armor -Check Dams -Culvert/Culvert Protection -Crimped Straw -Silt Fence -Surface Roughening/Surface Rip During construction, each site will be inspected every 14 days and 24-72 hours after any precipitation event causing erosion depending on the current site activities. These inspections will be recorded and maintained at Nighthawk's office. Repairs shall be completed as soon as possible after an inspection reporting BMP repairs are required. Any site specific modifications will be revised on the site plan when implemented at the site. A field wide Stormwater Management Plan (SWMP) for the Project Area is located at Nighthawk's office. Spill Protection Control and Countermeasures (SPCC) plans for the Project Area are stored on file at Nighthawk's office. The field wide SWMP addresses SPCC during construction operations.</p>

Total: 1 comment(s)

## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400343093	NRCS MAP UNIT DESC
400343095	REFERENCE AREA MAP
400343097	LOCATION PICTURES
400343098	REFERENCE AREA PICTURES
400343101	ACCESS ROAD MAP
400343102	HYDROLOGY MAP A, TOPO
400343103	CONST. LAYOUT DRAWINGS
400481587	LOCATION DRAWING

Total Attach: 8 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)