

FORM

2

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:

400483652

## APPLICATION FOR PERMIT TO:

☒ Drill
 ☐ Deepen
 ☐ Re-enter
 ☐ Recomplete and Operate

Date Received:

TYPE OF WELL OIL ☒ GAS ☐ COALBED ☐ OTHER \_\_\_\_\_Refilling ☐ZONE TYPE SINGLE ZONE ☐ MULTIPLE ZONES ☒ COMMINGLE ZONES ☐Sidetrack ☐

Well Name: BIG SKY

Well Number: 14-11

Name of Operator: NIGHTHAWK PRODUCTION LLC

COGCC Operator Number: 10399

Address: 1805 SHEA CENTER DR #290

City: HIGHLANDS  
RANCH

State: CO

Zip: 80129

Contact Name: KYLA VAUGHAN

Phone: (505)635-5669

Fax: ( )

Email: KVAUGHAN@LTENV.COM

## RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 20120011

## WELL LOCATION INFORMATION

QtrQtr: SESW Sec: 11 Twp: 6S Rng: 54W Meridian: 6

Latitude: 39.537660

Longitude: -103.409260

Footage at Surface: 658 feet FNL/FSL FSL 2127 feet FEL/FWL FWL

Field Name: ARIKAREE CREEK

Field Number: 2914

Ground Elevation: 5214

County: LINCOLN

GPS Data:

Date of Measurement: 07/19/2013 PDOP Reading: 1.9 Instrument Operator's Name: KEITH WESTFALL

If well is ☐ Directional ☐ Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL FEL/FWL Bottom Hole: FNL/FSL FEL/FWL

Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_ Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_

## LOCATION SURFACE &amp; MINERALS &amp; RIGHT TO CONSTRUCT

Surface Ownership: ☒ Fee ☐ State ☐ Federal ☐ IndianThe Surface Owner is: ☒ is the mineral owner beneath the location.(check all that apply) ☒ 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 by this Well: Yes

The right to construct the Oil and Gas Location is granted by: Surface Use Agreement

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

## LEASE INFORMATION

Using standard QtrQtr, Sec, Twp, Rng format, describe one entire mineral lease that will be produced by this well (Describe lease beneath surface location if produced. Attach separate description page or map if necessary.)

T6S, R54W, SEC 11:W2

Total Acres in Described Lease: 320 Described Mineral Lease is: ☒ Fee ☐ State ☐ Federal ☐ Indian

Federal or State Lease # \_\_\_\_\_

Distance from Completed Portion of Wellbore to Nearest Lease Line of described lease: 605 Feet

## 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: 2127 Feet

Above Ground Utility: 2093 Feet

Railroad: 5280 Feet

Property Line: 605 Feet

### INSTRUCTIONS:

- All measurements shall be provided from center of the Proposed Well to nearest of each cultural feature as described in Rule 303.a.(5).
- 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: \_\_\_\_\_

## SPACING and UNIT INFORMATION

Distance from Completed Portion of Wellbore to Nearest Wellbore Permitted or Completed in the same formation: 1483 Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary 5280 Feet (Enter 5280 for distance greater than 1 mile.)

Federal or State Unit Name (if appl): \_\_\_\_\_ Unit Number: \_\_\_\_\_

## SPACING & FORMATIONS COMMENTS

## OBJECTIVE FORMATIONS

| Objective Formation(s) | Formation Code | Spacing Order Number(s) | Unit Acreage Assigned to Well | Unit Configuration (N/2, SE/4, etc.) |
|------------------------|----------------|-------------------------|-------------------------------|--------------------------------------|
| ARBUCKLE               | ABCK           |                         |                               |                                      |
| ATOKA                  | ATOK           |                         |                               |                                      |
| CHEROKEE               | CHRK           |                         |                               |                                      |
| LANSING-KANSAS CITY    | LGKC           |                         |                               |                                      |
| MARMATON               | MRTN           |                         |                               |                                      |
| MISSISSIPPIAN-SPERGEN  | MS-SP          |                         |                               |                                      |
| MORROW                 | MRRW           |                         |                               |                                      |
| ST LOUIS               | STLS           |                         |                               |                                      |
| WARSAW                 | WRSW           |                         |                               |                                      |
| WOLFCAMP               | WFCMP          |                         |                               |                                      |

## DRILLING PROGRAM

Proposed Total Measured Depth: 9000 Feet

Distance to nearest permitted or existing wellbore penetrating objective formation: 1483 Feet (Including plugged wells)

Will a closed-loop drilling system be used? No

Is H<sub>2</sub>S gas reasonably expected to be encountered during drilling operations at concentrations greater than or equal to 100 ppm? No (If Yes, attach an H<sub>2</sub>S Drilling Operations Plan)

Will salt sections be encountered during drilling? No

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

Will oil based drilling fluids be used? No

BOP Equipment Type: ☒ Annular Preventor ☐ Double Ram ☐ Rotating Head ☐ None

## GROUNDWATER BASELINE SAMPLING AND MONITORING AND WATER WELL SAMPLING

Water well sampling required per Rule 609

## DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: ONSITE Drilling Fluids Disposal Methods: Evaporation

Cuttings Disposal: ONSITE Cuttings Disposal Method: Drilling pit

Other Disposal Description:

BACKFILL WHEN DRY

Beneficial reuse or land application plan submitted?

Reuse Facility ID:  or Document Number:

## CASING PROGRAM

| Casing Type | Size of Hole | Size of Casing | Wt/Ft | Csg/Liner Top | Setting Depth | Sacks Cmt | Cmt Btm | Cmt Top |
|-------------|--------------|----------------|-------|---------------|---------------|-----------|---------|---------|
| SURF        | 11           | 8+5/8          | 24    | 0             | 300           | 69        | 300     | 0       |
| S.C. 1.1    | 7+7/8        | 5+1/2          | 17    | 0             | 9000          | 750       | 9000    | 0       |
| S.C. 1.2    | 7+7/8        | 5+1/2          | 17    | 0             | 9000          | 65        | 9000    | 6000    |

☒ Conductor Casing is NOT planned

## 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)

### GREATER WATTENBERG AREA LOCATION EXCEPTIONS

Check all that apply:

- ☐ Rule 318A.a. Exception Location (GWA Windows).
- ☐ Rule 318A.c. Exception Location (GWA Twinning).

### RULE 502.b VARIANCE REQUEST

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

### OTHER LOCATION EXCEPTIONS

Check all that apply:

- ☐ Rule 318.c. Exception Location from Rule or Spacing Order Number \_\_\_\_\_
- ☐ Rule 603.a.(2) Exception Location (Property Line Setback).

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

This application is in a Comprehensive Drilling Plan \_\_\_\_\_ CDP #: \_\_\_\_\_

Location ID: \_\_\_\_\_

Is this application being submitted with an Oil and Gas Location Assessment application? \_\_\_\_\_ Yes

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

Signed: \_\_\_\_\_ Print Name: KYLA VAUGHAN

Title: AGENT FOR NIGHTHAWK Date: \_\_\_\_\_ Email: KVAUGHAN@LTENV.COM

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: \_\_\_\_\_

Expiration Date: \_\_\_\_\_

API NUMBER

05

### Conditions Of Approval

All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in this Permit-to-Drill.

COA Type

Description

|  |  |
|--|--|
|  |  |
|--|--|

## Best Management Practices

| <u>No</u> | <u>BMP/COA Type</u> | <u>Description</u>   |
|-----------|---------------------|--|
| 1         | Construction        | <p>Certificate to Discharge Under CDPHE General Permit No. COR-030000<br/>Stormwater Discharges Associated with Construction Certification No. COR031825<br/>Prior to construction, perimeter controls will be installed utilizing cuttings from the clearing operations.<br/>Once the well pad has been constructed a variety of BMP's shall be utilized for the site specific conditions.<br/>BMP's to be utilized may include, but are not limited to:</p> <ul style="list-style-type: none"> <li>-Dirt Ditch/Berm</li> <li>-Erosion Control Blankets</li> <li>-Straw Bale Barrier</li> <li>-Straw Wattles</li> <li>-Seeding</li> <li>-Imported Hard Armor</li> <li>-Check Dams</li> <li>-Culvert/Culvert Protection</li> <li>-Crimped Straw</li> <li>-Silt Fence</li> <li>-Surface Roughening/Surface Rip</li> </ul> <p>During construction, each site will be inspected evry 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.<br/>A field wide Stormwater management Plan (SWMP) for the Project Area is located at Nighthawk's office.<br/>Spill Protection Control and Countermeasures (SPCC) plans for the Project Area are stored on file at Nighthawk's office.<br/>The field wide SWMP addresses SPCC during construction operations.</p> |

Total: 1 comment(s)

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## Attachment Check List

| <u>Att Doc Num</u> | <u>Name</u>          |
|--------------------|----------------------|
| 400483671          | PLAT                 |
| 400483672          | PLAT                 |
| 400483673          | SURFACE AGRMT/SURETY |

Total Attach: 3 Files

## General Comments

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

Total: 0 comment(s)