

FORM 2 Rev 08/19

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: 402277438 (SUBMITTED)

APPLICATION FOR PERMIT TO:

Drill Deepen Re-enter Recomplete and Operate

Date Received:

TYPE OF WELL OIL GAS COALBED OTHER: UNPLANNED SIDETRACK Refiling
ZONE TYPE SINGLE ZONE MULTIPLE ZONES COMMINGLE ZONES Sidetrack

Well Name: Hingley Well Number: 3I-18H-N167
Name of Operator: CRESTONE PEAK RESOURCES OPERATING LLC COGCC Operator Number: 10633
Address: 1801 CALIFORNIA STREET #2500
City: DENVER State: CO Zip: 80202
Contact Name: Logan Siple Phone: (303)579-2174 Fax: ( )
Email: logan.siple@crestonepr.com

RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 20160104

WELL LOCATION INFORMATION

QtrQtr: SESW Sec: 18 Twp: 1N Rng: 67W Meridian: 6
Latitude: 40.045390 Longitude: -104.937360
Footage at Surface: 523 Feet FNL/FSL FSL 1439 Feet FEL/FWL FWL
Field Name: WATTENBERG Field Number: 90750
Ground Elevation: 5110 County: WELD
GPS Data:
Date of Measurement: 07/03/2019 PDOP Reading: 1.7 Instrument Operator's Name: Scott Porter
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
460 FSL 1945 FWL 460 FNL 1945 FWL
Sec: 18 Twp: 1N Rng: 67W Sec: 18 Twp: 1N Rng: 67W

LOCAL GOVERNMENT INFORMATION

County: WELD Municipality: N/A

Per § 34-60-106 (1)(f)(I)(A), the following questions pertain to the "local government with jurisdiction to approve the siting of the proposed oil and gas location."

The local government with jurisdiction is: County

Does the local government with jurisdiction regulate the siting of Oil and Gas Locations, with respect to this location? If the local government does regulate the siting, but has waived its right to precede the COGCC in siting determination, indicate by selecting "YES" here and selecting "Waived" for the disposition below. Yes No

If yes, in checking this box, I hereby certify that an application has been filed with the local government with jurisdiction to approve the siting of the proposed oil and gas location.

The local government siting permit type is:

The local government siting permit was filed on:

The disposition of the application filed with the local government is: \_\_\_\_\_

Additional explanation of local process:

\_\_\_\_\_

### LOCATION SURFACE & MINERALS & RIGHT TO CONSTRUCT

Surface Ownership:  Fee  State  Federal  Indian

The 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.)

SW4 of Sec 18, T1N-R67W

Total Acres in Described Lease: 160 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: 0 Feet

### CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 810 Feet

Building Unit: 810 Feet

High Occupancy Building Unit: 5280 Feet

Designated Outside Activity Area: 5280 Feet

Public Road: 509 Feet

Above Ground Utility: 488 Feet

Railroad: 5280 Feet

Property Line: 523 Feet

School Facility: 5280 Feet

School Property Line: 5280 Feet

Child Care Center: 5280 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, Designated Outside Activity Area, School Facility, and Child Care Center – 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: 02/05/2018

### SPACING and UNIT INFORMATION

Distance from completed portion of proposed wellbore to nearest completed portion of offset wellbore permitted or completed in the same formation: 232 Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary 460 Feet (Enter 5280 for distance greater than 1 mile.)

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

### SPACING & FORMATIONS COMMENTS

Proposed spacing unit: T1N R67W: W2 Sec 18

If this Form 2 is associated with a Drilling and Spacing Unit application, provide docket number: \_\_\_\_\_

### OBJECTIVE FORMATIONS

Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)
CODELL	CODL		320	GWA

### DRILLING PROGRAM

Proposed Total Measured Depth: 12737 Feet

Distance from the proposed wellbore to nearest existing or proposed wellbore belonging to another operator, including plugged wells:

Enter distance if less than or equal to 1,500 feet: 78 Feet  No well belonging to another operator within 1,500 feet

Will a closed-loop drilling system be used? Yes

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? Yes

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 318A

### DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: OFFSITE Drilling Fluids Disposal Methods: Commercial Disposal

Cuttings Disposal: OFFSITE Cuttings Disposal Method: Commercial Disposal

Other Disposal Description:

\_\_\_\_\_

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
CONDUCTOR	24	16	42	0	127	63	127	0
SURF	13+1/2	9+5/8	40	0	2590	970	2590	0
1ST	8+3/4	5+1/2	20	0	12737	1780	12737	

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

Per COGCC Guidance Document:

- i. Explanation of the situation that has resulted in the need to sidetrack/plug-back/temporary abandon  
Crestone has encountered formation instability.
- ii. Total measured depth reached in the wellbore being plugged back  
Original wellbore total depth is 8,796 ft MD-KB / 7,860 ft TVD-KB.
- iii. Casing set – size(s) and measured depth(s)  
9 5/8" 40 lb/ft J-55 casing set at 2,590 ft MD-KB.
- iv. Description of fish in the hole (if any) – including top and bottom measured depths  
No BHA or Drillstring fish in the wellbore.
- v. Description of proposed plug(s): setting measured depths, heights, and cement volumes  
Crestone will set one (1) cement plug in the original wellbore.  
Cement Plug Top @ ~6,800 ft MD-KB  
Bottom @ 7,455 ft MD-KB  
Length: ~ 655 ft  
Volume: ~ 50 bbl (243 sxs)
- vi. Type of cement to be used for all plugs, including slurry weight (ppg) and yield (cf/sk)  
Cement to be used is 15.8 ppg Class G Cement 1.16 ft³/sk.
- vii. Measured depth of proposed sidetrack kick-off point  
Proposed sidetrack kick-off point is ~6,800 ft MD-KB.
- viii. Proposed objective formation(s) for sidetrack hole – new or same as the wellbore being abandoned  
Same original formation objective. Crestone will continue drilling original wellbore plan and run/cement production casing per original approved APD.
- ix. BHL target for sidetrack hole – new or same as the wellbore being abandoned (NOTE: a change in the BHL must be reviewed and approved by COGCC Permitting prior to completing the sidetrack.  
Drilling a sidetrack to an unapproved BHL could result in an NOAV, plugging the well, or both).  
Same BHL target as the original approved APD.

Received email approval from Stephen Wolfe on 1/5/20 to proceed with Sidetrack Operations; see attached PDF of email.  
No revised Well Location Plat or Deviated Drilling Plan needed as we plan to drill the permitted formation and arrive at the same BHL.  
Previous Form 2 Approved prior to SB-181 Form 2 requirements were implemented.

This application is in a Comprehensive Drilling Plan       No       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: Logan Siple

Title: Drilling Technician Date: \_\_\_\_\_ Email: logan.siple@crestonepr.com

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules, applicable orders, and SB 19-181 and is hereby approved.

COGCC Approved: \_\_\_\_\_ Director of COGCC Date: \_\_\_\_\_

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

<b>API NUMBER</b>
05 123 47422 01

### 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

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### Best Management Practices

No BMP/COA Type

Description

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### Attachment Check List

Att Doc Num

Name

402277439	WELLBORE DIAGRAM
402277440	CORRESPONDENCE

Total Attach: 2 Files

### General Comments

User Group

Comment

Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)

**Public Comments**

No public comments were received on this application during the comment period.

