

FORM  
2  
Rev  
08/16

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:  
401202564  
**(SUBMITTED)**

APPLICATION FOR PERMIT TO:

Drill       Deepen       Re-enter       Recomplete and Operate

Date Received:

TYPE OF WELL OIL  GAS  COALBED  OTHER SIDETRACK      Refilling   
ZONE TYPE SINGLE ZONE  MULTIPLE ZONES  COMMINGLE ZONES       Sidetrack

Well Name: TC Country Club West      Well Number: C19-11  
Name of Operator: EXTRACTION OIL & GAS LLC      COGCC Operator Number: 10459  
Address: 370 17TH STREET SUITE 5300  
City: DENVER      State: CO      Zip: 80202  
Contact Name: Kamrin Ruder      Phone: (720)9747743      Fax: ( )  
Email: kruder@extractionog.com

RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 20130028

WELL LOCATION INFORMATION

QtrQtr: SENE      Sec: 8      Twp: 5N      Rng: 66W      Meridian: 6  
Latitude: 40.414690      Longitude: -104.798690  
Footage at Surface: 2446 Feet      FNL/FSL      FNL      1195 Feet      FEL/FWL      FEL  
Field Name: WATTENBERG      Field Number: 90750  
Ground Elevation: 4787      County: WELD  
GPS Data:  
Date of Measurement: 02/21/2014      PDOP Reading: 0.9      Instrument Operator's Name: C. Holmes  
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  
515      FNL      460      FWL      767      FNL      2480      FWL  
Sec: 9      Twp: 5N      Rng: 66W      Sec: 11      Twp: 5N      Rng: 66W

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: No  
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.)

Please see the attached lease map. Lease is .363 acres.

Total Acres in Described Lease: 0 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: 1455 Feet

**CULTURAL DISTANCE INFORMATION**

Distance to nearest:

- Building: 968 Feet
- Building Unit: 1016 Feet
- High Occupancy Building Unit: 2218 Feet
- Designated Outside Activity Area: 5280 Feet
- Public Road: 1176 Feet
- Above Ground Utility: 1218 Feet
- Railroad: 5280 Feet
- Property Line: 409 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 proposed wellbore to nearest completed portion of offset wellbore permitted or completed in the same formation: 12 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 wellbore spacing unit:  
 Sec. 9-5N-66W: N/2  
 Sec. 10-5N-66W: N/2  
 Sec. 11-5N-66W: NW/4

**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		800	GWA

## DRILLING PROGRAM

Proposed Total Measured Depth: 20610 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: 12 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	100	80	100	0
SURF	12+1/4	9+5/8	36	0	1560	525	1560	0
1ST	7+7/8	5+1/2	20	0	20610	1971	20610	1500

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

Distance to nearest wellbore permitted/completed in the same formation: 12' (SRC GCC #41-10D) \*Stimulation Setback Consent attached

Distance to nearest wellbore penetrating the formation: 12' (SRC GCC #41-10D) \*Stimulation Setback Cosent attached

Surface owner has waived rules 318A.a. & 318A.C. in the SUA. Please see p.4 of the attached SUA.

We drilled the Triple Creek Country Club C1-9-11. We were in the process of running casing and had gas come at us, at which point we broke circulation and got the gas out of the well. We then proceeded to weight our mud up to 12ppg and then started to pull casing out of the ground and do a reamer run. On the way out we ended up getting, what we believe is, differentially stuck. We can circulate but couldn't get free with our pull limitations. We spotted lighter density fluid and tried a couple remedies but with no success. We cut casing and decided to jar on it which was also to no avail. We currently have a fish in the ground which we believe is un retrievable. It is 5.5" 20# casing from 7498' to 11,700' (4202' total).

With your permission we would like to pump a 750' cement plug right on top of the fish covering the interval (7490' to 6740'). We will then kick off and re-drill the curve and lateral portions of the well. We will keep the same bottom hole, but we won't steer back towards it till we clear the end of the fish at 11,700'. We will maintain sufficient separation while drilling by the fish.

API # - 05-123-43504-00

Total MD Drilled – 20,590'

Surface Casing – 9-5/8" 36# set at 1585'

Proposed Fish – String of casing from 7498' to 11,700' (4202' total).

Sidetrack plan: Side track at 6,900' and change targets to avoid fish until we clear it.

Depth of Sidetrack- 6,900' MD

Objective formation of sidetrack – Codell (same as APD)

Proposed BHL – Sec 11 – TWP 5N 66W 767 FNL 2480 FWL (same as Approved)

Email approval given by Diana Burn (2/5/2017)

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

Location ID: 436824

Is this application being submitted with an Oil and Gas Location Assessment application? No

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

Signed: \_\_\_\_\_ Print Name: Kamrin Ruder

Title: Drilling Technician Date: \_\_\_\_\_ Email: kruder@extractionog.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**  
05 123 43504 00

## 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**

401202590	CORRESPONDENCE
401202740	WELLBORE DIAGRAM

Total Attach: 2 Files

## General Comments

**User Group**

**Comment**

**Comment Date**

		Stamp Upon Approval

Total: 0 comment(s)

**Public Comments**

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

