

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:  
400786963  
**(SUBMITTED)**

APPLICATION FOR PERMIT TO:

Drill     Deepen     Re-enter     Recomplete and Operate

TYPE OF WELL    OIL     GAS     COALBED     OTHER UNPLANNED  
ZONE TYPE    SINGLE ZONE     MULTIPLE ZONES     COMMINGLE ZONES

Refilling   
Sidetrack

Date Received:  
02/05/2015

Well Name: COPPERHEAD    Well Number: 27N-15HZX  
Name of Operator: KERR MCGEE OIL & GAS ONSHORE LP    COGCC Operator Number: 47120  
Address: P O BOX 173779  
City: DENVER    State: CO    Zip: 80217-3779  
Contact Name: Cheryl Light    Phone: (720)929-6461    Fax: (720)929-7461  
Email: cheryl.light@anadarko.com

RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 20010124

WELL LOCATION INFORMATION

QtrQtr: NWSE    Sec: 22    Twp: 2N    Rng: 67W    Meridian: 6  
Latitude: 40.122945    Longitude: -104.875177

Footage at Surface: 2368 feet    FNL/FSL    FSL    2165 feet    FEL/FWL    FEL

Field Name: WATTENBERG    Field Number: 90750

Ground Elevation: 5028    County: WELD

GPS Data:

Date of Measurement: 11/18/2013    PDOP Reading: 2.6    Instrument Operator's Name: OWEN MCKEE

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  
71    FSL    980    FEL    50    FNL    1087    FEL  
Sec: 15    Twp: 2N    Rng: 67W    Sec: 22    Twp: 2N    Rng: 67W

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: applicant is owner

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.)

Township 2 North, Range 67 West, 6th P.M.  
Section 15: S/2  
Weld County, Colorado

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: 0 Feet

## CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 1972 Feet  
Building Unit: 1973 Feet  
High Occupancy Building Unit: 5280 Feet  
Designated Outside Activity Area: 5280 Feet  
Public Road: 2225 Feet  
Above Ground Utility: 2215 Feet  
Railroad: 5280 Feet  
Property Line: 270 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: 74 Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary 660 Feet (Enter 5280 for distance greater than 1 mile.)

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

## SPACING & FORMATIONS COMMENTS

2N-67W Section 10: S/2SE/4; Section 15: E/2; Section 22: N/2NE/4

## OBJECTIVE FORMATIONS

Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)
NIOBRARA	NBRR		480	GWA

## DRILLING PROGRAM

Proposed Total Measured Depth: 13635 Feet

Distance to nearest permitted or existing wellbore penetrating objective formation: 74 Feet (Including plugged wells)

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 H2S 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 318A

## DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: OFFSITE Drilling Fluids Disposal Methods: Recycle/reuse

Cuttings Disposal: OFFSITE Cuttings Disposal Method: Other

Other Disposal Description:

Please see Comments section. Disposal description will not fit in space provided.

Beneficial reuse or land application plan submitted? Yes

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	13+1/2	9+5/8	36	0	1320	500	1320	0
1ST	8+3/4	7+0/0	26	0	8479	860	8479	0
1ST LINER	6+1/8	4+1/2	11.6	7612	13635	390	13635	7712

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

UNPLANNED SIDETRACK - VERBAL GIVEN BY DIANA BURN 02/03/15 (see attached)

7" casing string fell to bottom after the box collar parted from the shop end of a casing joint. Noble Casing Crew had picked up the next joint of casing, tied it into the stump, filled the string with active mud, and proceeded to pick up on the elevators. After the Driller picked up just enough to clear the slips, and slips were removed, the casing dropped from the elevators and proceeded to descend down hole. The floor hands made a good effort to throw the slips, but the fall rate was too great. Note: The collar that separated from the pin end was recovered from the elevators.

Total measured depth reached (also have TVD) - - 8,445' MD      7,434' TVD

Casing sizes set and measured depth - 9-5/8" set at 1,320'

Description of fish-including top and bottom - - 7" casing (Top = 2,462'; Bottom = 6,637' MD)

Description of cement plugs - - Kick Off Plug ? Set Depth = 2,262' MD, Height = 800', Volume = 59.5 bbls  
7" Casing Plug ? Set Depth = 6,276' MD, Height = 1,000', Volume = 65 bbls

Type of cement you will be using including weight, yield, and sacks. If an open hole sidetrack make that point clear - - Kick Off Plug ? 17#, Class G, 52 bbls, Yield 0.99 cf/sk  
7" Casing Plug ? 12.7#, Type III, 65 bbls, Yield 2.11 cf/sk

Measured depth and TVD of sidetrack point - - 1,652' MD      1,647' TVD

Proposed target formation of sidetrack hole if different than permitted - Same as permitted

BHL of sidetrack hole. - BHL (i.e. 50' FNL, 1087' FEL, Section 25)

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

Location ID: 439805

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: CHERYL LIGHT

Title: SR. REGULATORY ANALYST Date: 2/5/2015 Email: DJREGULATORY@ANADARK

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 40562 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.

## Best Management Practices

**No BMP/COA Type**

**Description**

No BMP/COA Type	Description

## Attachment Check List

**Att Doc Num**

**Name**

400786963	FORM 2 SUBMITTED
400786979	WELLBORE DIAGRAM
400786981	DEVIATED DRILLING PLAN
400786983	CORRESPONDENCE
400787021	WELL LOCATION PLAT
400787023	DIRECTIONAL DATA

Total Attach: 6 Files

## General Comments

**User Group**

**Comment**

**Comment Date**

User Group	Comment	Comment Date

Total: 0 comment(s)