

**APPLICATION FOR PERMIT TO:**

**Drill**       Deepen       Re-enter       Recomplete and Operate

TYPE OF WELL    OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> COALBED <input type="checkbox"/> OTHER _____	Refiling <input type="checkbox"/>
ZONE TYPE    SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONES <input type="checkbox"/> COMMINGLE ZONES <input type="checkbox"/>	Sidetrack <input type="checkbox"/>

Date Received:  
07/10/2015

Well Name: Fox Creek      Well Number: 535-2501H

Name of Operator: EOG RESOURCES INC      COGCC Operator Number: 27742

Address: 600 17TH ST STE 1100N

City: DENVER      State: CO      Zip: 80202

Contact Name: Mickenzie Larsen      Phone: (435)781-9145      Fax: (435)789-7633

Email: mickenzie\_larsen@eogresources.com

**RECLAMATION FINANCIAL ASSURANCE**  
Plugging and Abandonment Bond Surety ID: 20030058

**WELL LOCATION INFORMATION**

QtrQtr: SWSW      Sec: 25      Twp: 12N      Rng: 63W      Meridian: 6

Latitude: 40.975189      Longitude: -104.386714

Footage at Surface: <u>650</u> feet	FNL/FSL	FEL/FWL
<u>FSL</u> <u>1131</u> feet	<u>FSL</u>	<u>FWL</u>

Field Name: HEREFORD      Field Number: 34200

Ground Elevation: 5411      County: WELD

GPS Data:  
Date of Measurement: 04/30/2015    PDOP Reading: 1.4    Instrument Operator's Name: Zane Bullard

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
<u>460</u> <u>FNL</u> <u>896</u> <u>FWL</u>	<u>600</u> <u>FSL</u> <u>865</u> <u>FWL</u>				
Sec: <u>36</u> Twp: <u>12N</u> Rng: <u>63W</u>	Sec: <u>1</u> Twp: <u>11N</u> Rng: <u>63W</u>				

**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.)

Township 12 North – Range 63 West, 6th P.M.  
Section 36: ALL  
Containing 640.00 acres more or less

Total Acres in Described Lease: 640 Described Mineral Lease is:  Fee  State  Federal  Indian

Federal or State Lease # 8755.5

Distance from Completed Portion of Wellbore to Nearest Lease Line of described lease: 0 Feet

## CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 2046 Feet  
Building Unit: 4097 Feet  
High Occupancy Building Unit: 5280 Feet  
Designated Outside Activity Area: 5280 Feet  
Public Road: 638 Feet  
Above Ground Utility: 1165 Feet  
Railroad: 5280 Feet  
Property Line: 650 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: 710 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

Unit Configuration: Section 1 T11N R63W ALL, Section 36 T12N R63W ALL

## 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	421-64	1282	Secs. 1 & 36

## DRILLING PROGRAM

Proposed Total Measured Depth: 18160 Feet

Distance to nearest permitted or existing wellbore penetrating objective formation: 0 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



## 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 from completed portion of wellbore to nearest wellbore completed in the same formation is measured to Fox Creek 538-2501H well.

Distance to nearest permitted or existing wellbore penetrating objective formation is measured to Fox Creek 2-25H well.

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: Mickenzie Larsen

Title: Regulatory Administrator Date: 7/10/2015 Email: mickenzie\_larsen@eogresourc

Operator must have a valid water right or permit allowing for industrial use or purchased water from a seller that has a valid water right or permit allowing for industrial use, otherwise an application for a change in type of use is required under Colorado law. Operator must also use the water in the location set forth in the water right decree or well permit, otherwise an application for a change in place of use is required under Colorado law. Section 37-92-103(5), C.R.S. (2011).

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: *Matthew Lee* Director of COGCC Date: 9/27/2015

Expiration Date: 09/26/2017

### API NUMBER

05 123 42244 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

- 1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU.
- 2) Comply with Rule 317.j and provide cement coverage from TD to a minimum of 200' above the Niobrara. Verify coverage with cement bond log.
- 3) Comply with Rule 321. Run and submit Directional Survey from TD to base of surface casing. Ensure that the wellbore complies with setback requirements in commission orders or rules prior to producing the well.

## Best Management Practices

<b>No</b>	<b>BMP/COA Type</b>	<b>Description</b>
1	Drilling/Completion Operations	One of the first wells drilled on the pad will be logged with open-hole Resistivity Log and Gamma Ray Log from the kick-off point into the surface casing. All wells on the pad will have a cement bond log with gamma-ray run on production casing (or on intermediate casing if production liner is run) into the surface casing. The horizontal portion of every well will be logged with a measured-while-drilling gamma-ray log. The Form 5, Completion Report, for each well on the pad will list all logs run and have those logs attached. The Form 5 for a well without open-hole logs shall clearly state "No open-hole logs were run" and shall clearly identify (by API#, well name & number) the well in which open-hole logs were run.
2	Drilling/Completion Operations	<p>Anti-collision: EOG Resources, Inc. will perform an anti-collision evaluation of all active (producing, shut in or temporarily abandoned) offset well bores that have the potential of being within 150 feet of a proposed well prior to drilling operations for the proposed well. Notice shall be given to all offset operators prior to drilling.</p> <p>Prior to drilling operations, EOG will perform an anti-collision review of existing offset wells that have the potential of being within close proximity of the proposed well. This anti-collision review may include MWD or gyro surveys of the offset wells with included error of uncertainty per survey instrument and compared against the proposed well path with tis respective error of uncertainty. If the current surveys do not exist for the offset wells, EOG may have gyro surveys conducted to verify bottom hole location. EOG maybe also perform IFR (In Field Reference) to increase survey accuracy. The proposed well will only be drilled if the anti-collision review results indicate that the risk of collision is sufficiently low as defined by the anti-collision plan, with separation factors greater than 1.5 or if the risk of collision has been mitigated through other means including shutting in wells, pugging wells, increased drilling fluid in the event of lost returns or as appropriate for the specific situation. In the event of an increased risk of collision, that risk will be mitigated to prevent harm to people, environment or property. A MWD directional survey for the proposed well will be submitted to the COGCC with Form 5 upon completion of drilling operations.</p>

Total: 2 comment(s)

### Applicable Policies and Notices to Operators

Notice Concerning Operating Requirements for Wildlife Protection.

### Attachment Check List

<b>Att Doc Num</b>	<b>Name</b>
400862391	FORM 2 RESUBMITTED
400884751	FORM 2 SUBMITTED
400884752	FORM 2 REJECTED
400889259	OffsetWellEvaluations Data
400889260	DEVIATED DRILLING PLAN
400889261	DRILLING PLAN
400889263	WELL LOCATION PLAT
400889264	SURFACE AGRMT/SURETY
400889266	DIRECTIONAL DATA
400889271	FORM 2 SUBMITTED

Total Attach: 10 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final Review Completed. No LGD or public comment received. Verified surface restoration bond with State Land Board.	9/23/2015 9:38:36 AM
Permit	Passed completeness.	8/31/2015 11:09:08 AM
Permit	This application is being rejected through the COGCC rejection process in order for the operator to revise data fields.  Consultation with COGCC staff and the operator have resulted in concurrence that this APD should be rejected.	8/14/2015 3:34:34 PM
Engineer	Evaluated offset wells. "Distance to nearest permitted or existing wellbore penetrating the objective formation:" is 0 due to surface projection of lines crossing.	7/31/2015 8:56:08 AM
Permit	Passed completeness.	7/16/2015 9:10:44 AM

Total: 5 comment(s)