

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: 400864718 (REJECTED) Date Received: 07/16/2015
APPLICATION FOR PERMIT TO:			
<input checked="" type="checkbox"/> Drill <input type="checkbox"/> Deepen <input type="checkbox"/> Re-enter <input type="checkbox"/> 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"/>	
Well Name: <u>Randall Creek</u>		Well Number: <u>520-2920H</u>	
Name of Operator: <u>EOG RESOURCES INC</u>		COGCC Operator Number: <u>27742</u>	
Address: <u>600 17TH ST STE 1100N</u>			
City: <u>DENVER</u>		State: <u>CO</u>	Zip: <u>80202</u>
Contact Name: <u>Barbara Griswold</u>		Phone: <u>(303)262-9894</u>	Fax: <u>()</u>
Email: <u>barbara_griswold@eogresources.com</u>			
RECLAMATION FINANCIAL ASSURANCE			
Plugging and Abandonment Bond Surety ID: <u>20030058</u>			
WELL LOCATION INFORMATION			
QtrQtr: <u>SESW</u>		Sec: <u>29</u>	Twp: <u>12N</u>
		Rng: <u>62W</u>	Meridian: <u>6</u>
Latitude: <u>40.975092</u>		Longitude: <u>-104.345456</u>	
Footage at Surface: <u>630</u> feet		FNL/FSL <u>FSL</u>	FEL/FWL <u>2108</u> feet <u>FWL</u>
Field Name: <u>HEREFORD</u>		Field Number: <u>34200</u>	
Ground Elevation: <u>5356</u>		County: <u>WELD</u>	
GPS Data:			
Date of Measurement: <u>04/30/2015</u>		PDOP Reading: <u>1.7</u>	Instrument Operator's Name: <u>Chad Meiers</u>
If well is <input type="checkbox"/> Directional <input checked="" type="checkbox"/> Horizontal (highly deviated) submit deviated drilling plan.			
Footage at Top of Prod Zone:		Bottom Hole:	
FNL/FSL <u>1070</u>	FSL <u>2295</u>	FEL <u>843</u>	FNL <u>1575</u>
FEL <u>FWL</u>	FNL <u>FWL</u>	FEL <u>FWL</u>	FEL <u>FWL</u>
Sec: <u>29</u> Twp: <u>12N</u> Rng: <u>62W</u>		Sec: <u>20</u> Twp: <u>12N</u> Rng: <u>62W</u>	
LOCATION SURFACE & MINERALS & RIGHT TO CONSTRUCT			
Surface Ownership: <input checked="" type="checkbox"/> Fee <input type="checkbox"/> State <input type="checkbox"/> Federal <input type="checkbox"/> Indian			
The Surface Owner is:			
(check all that apply)			
<input type="checkbox"/> is the mineral owner beneath the location.			
<input type="checkbox"/> is committed to an Oil and Gas Lease.			
<input type="checkbox"/> has signed the Oil and Gas Lease.			
<input type="checkbox"/> is the applicant.			
The Mineral Owner beneath this Oil and Gas Location is: <input checked="" type="checkbox"/> Fee <input type="checkbox"/> State <input type="checkbox"/> Federal <input type="checkbox"/> Indian			
The Minerals beneath this Oil and Gas Location will be developed by this Well: <u>Yes</u>			
The right to construct the Oil and Gas Location is granted by: <u>Bond</u>			
Surface damage assurance if no agreement is in place: <u>Blanket</u>		Surface Surety ID: <u>20090114</u>	

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 attached.

Total Acres in Described Lease: 1200 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: 5280 Feet
Building Unit: 5280 Feet
High Occupancy Building Unit: 5280 Feet
Designated Outside Activity Area: 5280 Feet
Public Road: 611 Feet
Above Ground Utility: 587 Feet
Railroad: 5280 Feet
Property Line: 446 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: 5280 Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary 600 Feet (Enter 5280 for distance greater than 1 mile.)

Federal or State Unit Name (if appl): _____ Unit Number: _____

SPACING & FORMATIONS COMMENTS

EOG has submitted an application to create a 1248 acre Drilling and Spacing Unit to the Colorado Oil and Gas Conservation Commission. The hearing for Docket 150300081 is set for July, 2015, which will cover this well.

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		1248	Secs. 20 & 29: ALL

DRILLING PROGRAM

Proposed Total Measured Depth: 16388 Feet

Distance to nearest permitted or existing wellbore penetrating objective formation: 5280 Feet (Including plugged wells)

Will a closed-loop drilling system be used? Yes

Is H₂S 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? 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 609

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? No

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	20	16	42	0	60	50	60	0
SURF	13+1/2	9+5/8	36	0	1349	412	1349	0
1ST	8+3/4	5+1/2	17	0	16388	2191	16388	0

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: There are multiple leases that cover this location. The horizontal wellbore crosses this lease line and conforms to the Drilling and Spacing Unit setbacks. The 8-3/4" hole will be drilled from the surface down through the curve and the 7-7/8" hole in the lateral. Please contact Kim Rodell at krodell@upstreampm.com or at 303-942-0506 if there are any questions on this permit. Thank you.

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: Barbara Griswold

Title: Sr. Regulatory Specialist Date: 7/16/2015 Email: barbara_griswold@eogresourc

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

No	<u>BMP/COA Type</u>	<u>Description</u>
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	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. 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 its 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 may 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.

Total: 2 comment(s)

Applicable Policies and Notices to Operators

Notice Concerning Operating Requirements for Wildlife Protection.

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400864718	FORM 2 SUBMITTED
400864819	DEVIATED DRILLING PLAN
400864820	WELL LOCATION PLAT
400866489	DIRECTIONAL DATA
400866491	DRILLING PLAN
400866631	LEGAL/LEASE DESCRIPTION
400870009	OffsetWellEvaluations Data

Total Attach: 7 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit (Rejected)	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.	8/20/2015 9:45:05 AM
Permit	Passed completeness.	7/17/2015 1:44:19 PM

Total: 2 comment(s)