

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: 402300857

APPLICATION FOR PERMIT TO:

Drill Deepen Re-enter Recomplete and Operate

Date Received: 01/31/2020

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

Refiling Sidetrack

Well Name: WINDSOCK Well Number: 21-4HZ 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: CRYSTAL MCCLAIN Phone: (720)9294398 Fax: Email: CRYSTAL\_MCCLAIN@OXY.COM

RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 20010124

WELL LOCATION INFORMATION

QtrQtr: SWSE Sec: 21 Twp: 1N Rng: 68W Meridian: 6 Latitude: 40.030294 Longitude: -105.007497

Footage at Surface: 338 Feet FNL/FSL FSL 2343 Feet FEL/FWL FEL

Field Name: WATTENBERG Field Number: 90750

Ground Elevation: 5223 County: WELD

GPS Data: Date of Measurement: 11/14/2018 PDOP Reading: 1.5 Instrument Operator's Name: JEREMY GROVES

If well is Directional Horizontal (highly deviated) submit deviated drilling plan.

Footage at Top of Prod Zone: FNL/FSL FSL 2041 FWL 50 FNL 1891 FWL Bottom Hole: FNL/FSL FEL/FWL Sec: 21 Twp: 1N Rng: 68W Sec: 16 Twp: 1N Rng: 68W

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: WOGLA

The local government siting permit was filed on: 05/13/2019

The disposition of the application filed with the local government is: Approved

Additional explanation of local process:

WOGLA application was approved on June 24, 2019. WOGLA application was submitted on May 13, 2019. Location is within 1500' of the town of Erie. Kerr-McGee met with the Town of Erie staff to discuss the location, haul routes and access road prior to sending out the WOGLA notices. The LGD from the Town of Erie was included in the WOGLA notice, which was sent on April 11, 2019. The proposed haul routes and access permits have been reviewed by the Town of Erie and were approved on June 5, 2019. The Emergency Action Plan has been reviewed by the Mountain View Fire Protection District and was approved on June 7, 2019.

## 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 1 North, Range 68 West, 6th P.M.  
Section 4: Lot 2 (78.16), S/2NW/4, S/2  
Section 5: Lot 2 (82.75), S/2NW/4, SW/4, SW/4SE/4  
Section 7: E/2SW/4, SW/4SE/4  
Section 8: NW/4, SW/4NE/4, SE/4  
Section 9: NW/4, S/2  
Section 17: NW/4, S/2  
Section 18: E/2W/2, SW/4NE/4, SE/4  
Section 19: Lot 1 (76.96), E/2W/2, W/2SW/4NE/4, SE/4  
Section 20: NW/4SW/4, S/2NE/4SW/4  
Section 21: NW/4, S/2 (except approx. 7.10 ac. ROW to Community Ditch and Reservoir Co.)  
Section 31: W/2SE/4SE/4, SE/4SE/4SE/4  
Section 33: NW/4, S/2 (except approx. 8.60 ac ROW to Community Ditch and Reservoir Co.)  
Township 2 North, Range 68 West, 6th P.M.  
Section 29: SW/4NE/4SW/4, S/2SW/4  
Section 33: W/2NE/4, SE/4  
Township 1 North, Range 69 West, 6th P.M.  
Section 5: Lot 2 (77.61), S/2NW/4, S/2  
Section 7: Lot 1 (79.30), E/2NW/4, S/2NE/4  
Section 13: W/2SE/4, W/2SW/4NE/4SE/4, SE/4SE/4 less Southeasterly 20 acres  
Section 25: W/2NW/4, SW/4  
Township 1 North, Range 70 West, 6th P.M.  
Section 1: SW/4NE/4, S/2  
Containing 5,844.08 acres, more or less

Total Acres in Described Lease: 5844 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: 841 Feet

Building Unit: 2674 Feet

High Occupancy Building Unit: 5280 Feet  
 Designated Outside Activity Area: 5280 Feet  
 Public Road: 321 Feet  
 Above Ground Utility: 379 Feet  
 Railroad: 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.

Property Line: 338 Feet  
 School Facility: 5280 Feet  
 School Property Line: 5280 Feet  
 Child Care Center: 5280 Feet

**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: 153 Feet  
 Distance from Completed Portion of Wellbore to Nearest Unit Boundary 564 Feet (Enter 5280 for distance greater than 1 mile.)  
 Federal or State Unit Name (if appl): \_\_\_\_\_ Unit Number: \_\_\_\_\_

**SPACING & FORMATIONS COMMENTS**

PROPOSED SPACING UNIT  
 01N68W SEC 28: NENW;  
 01N68W SEC 21: E2W2;  
 01N68W SEC 16: E2W2;  
 01N68W SEC 09: SESW  
 WELD COUNTY, COLORADO

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.)
NIOBRARA	NBRR		400	GWA

## DRILLING PROGRAM

Proposed Total Measured Depth: 18608 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: 227 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:

Disposal description is included with the associated Form 2A (Doc ID: 402011503)

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
CONDUCTOR	26	16	36.94	0	80	64	80	0
SURF	13+1/2	9+5/8	36	0	1887	702	1887	0
1ST	7+7/8	5+1/2	17	0	18598	2208	18598	

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	<p>VERBAL APPROVAL GIVEN BY DIANA BURN ON 1/30/20.</p> <p>Explanation of situation and why we need to sidetrack:</p> <ul style="list-style-type: none"><li>• Formation: Nio B</li><li>• Lateral Category: Two section lateral.</li><li>• We reached a MD of 18,491'. While running casing a tight spot was encountered. In an attempt to get casing to TD the casing became stuck. While attempting to pull casing out of the hole to perform a cleanout run the casing parted. Leaving casing downhole. Casing was cut in the curve and an openhole sidetrack is required to redrill the lateral.</li></ul> <p>Total MD Reached: (Using KB of 20')</p> <ul style="list-style-type: none"><li>• 18,491' MD</li><li>• 7,815' TVD</li></ul> <p>Casing Sizes set and MD</p> <ul style="list-style-type: none"><li>• 16" conductor casing set at 80 ft. (using GL)</li><li>• 9.625" surface casing set at 1,887' MD (Using KB)</li></ul> <p>Explanation of Fish</p> <ul style="list-style-type: none"><li>• 5.5" casing parted downhole, cut casing in curve and retrieved casing from vertical part of hole to allow for sidetrack.</li></ul> <p>Measured Depth of Top and Bottom of Fish Left in hole (Using KB of 20')</p> <ul style="list-style-type: none"><li>• Top of fish = 8,104' MD</li><li>• Bottom of fish = 17,547' MD</li></ul> <p>Measured Depth and TVD of open hole sidetrack point (Using KB of 20')</p> <ul style="list-style-type: none"><li>• 7,655' MD</li><li>• 7,432' TVD</li></ul> <p>Proposed target formation of sidetrack hole if different than permitted</p> <ul style="list-style-type: none"><li>• Same well plan as permit</li></ul> <p>BHL of sidetrack hole</p> <ul style="list-style-type: none"><li>• Same well plan as permit</li></ul> <p>Wellbore diagram</p> <ul style="list-style-type: none"><li>• See attached</li></ul>
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This application is in a Comprehensive Drilling Plan \_\_\_\_\_ CDP #: \_\_\_\_\_

Location ID: 437439

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: CRYSTAL MCCLAIN

Title: REGULATORY ANALYST Date: 1/31/2020 Email: CRYSTAL\_MCCLAIN@OXY.C

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, applicable orders, and SB 19-181 and is hereby approved.

COGCC Approved: \_\_\_\_\_

Director of COGCC

Date: 2/3/2020

Expiration Date: 02/02/2022

**API NUMBER**

05 123 50632 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**

**Best Management Practices**

**No BMP/COA Type**

**Description**

**Attachment Check List**

**Att Doc Num**

**Name**

402300857	FORM 2 SUBMITTED
402300926	CORRESPONDENCE
402300927	WELLBORE DIAGRAM

Total Attach: 3 Files

**General Comments**

**User Group**

**Comment**

**Comment Date**

Permit	Final Review Completed.	02/03/2020
Permit	Passed Completeness Local government siting, LGD comment, and public comment do not pertain to this application for an unplanned sidetrack wellbore with drilling in progress.	02/03/2020

Total: 2 comment(s)