

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:

400486161

#### APPLICATION FOR PERMIT TO:

☒ Drill ☐ Deepen ☐ Re-enter ☐ Recomplete and Operate

TYPE OF WELL OIL ☒ GAS ☐ COALBED ☐ OTHER \_\_\_\_\_

Refilling ☐

ZONE TYPE SINGLE ZONE ☐ MULTIPLE ZONES ☒ COMMINGLE ZONES ☐

Sidetrack ☐

Date Received:

09/26/2013

Well Name: APC-WAYNE

Well Number: 1-35

Name of Operator: MULL DRILLING COMPANY INC

COGCC Operator Number: 61250

Address: 1700 N WATERFRONT PKWY B#1200

City: WICHITA

State: KS

Zip: 67206-6637

Contact Name: MARK SHREVE

Phone: (316)264-6366

Fax: (316)264-6440

Email: MSHREVE@MULLDRILLING.COM

#### RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 20000063

#### WELL LOCATION INFORMATION

QtrQtr: NESE Sec: 35 Twp: 16S Rng: 45W Meridian: 6

Latitude: 38.619580

Longitude: -102.423210

Footage at Surface: 1686 feet FNL/FSL FSL 1056 feet FEL/FWL FEL

Field Name: \_\_\_\_\_

Field Number: \_\_\_\_\_

Ground Elevation: 4329

County: CHEYENNE

GPS Data:

Date of Measurement: 09/16/2013 PDOP Reading: 1.8 Instrument Operator's Name: ELIJAH FRANE

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

Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_ Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_

#### 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: Bond

Surface damage assurance if no agreement is in place: Blanket

Surface Surety ID: 20010165

## 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.)

W/2, SE/4, W/2 NE/4 SECTION 35-T16S-R45W, 6TH P.M.

Total Acres in Described Lease: 560 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: 1056 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: 1056 Feet

Above Ground Utility: 4224 Feet

Railroad: 5280 Feet

Property Line: 1056 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: 2717 Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary 1056 Feet (Enter 5280 for distance greater than 1 mile.)

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

## SPACING & FORMATIONS COMMENTS

## OBJECTIVE FORMATIONS

Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)
MARMATON	MRTN			
MISSISSIPPIAN	MSSP			
SHAWNEE	SHWNE			

## DRILLING PROGRAM

Proposed Total Measured Depth: 5600 Feet

Distance to nearest permitted or existing wellbore penetrating objective formation: 2717 Feet (Including plugged wells)

Will a closed-loop drilling system be used? No

Is H<sub>2</sub>S gas reasonably expected to be encountered during drilling operations at concentrations greater than

or equal to 100 ppm? Yes (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 609

## DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: ONSITE Drilling Fluids Disposal Methods: Other

Cuttings Disposal: ONSITE Cuttings Disposal Method: Other

Other Disposal Description:

DRY & BURY

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
SURF	12+1/4	8+5/8	24	0	300	200	300	0
1ST	7+7/8	5+1/2	15.5	0	5600	250	5600	4100
			Stage Tool	0	2900	450	2900	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

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: TANNIS TRITT

Title: EXECUTIVE ASSISTANT Date: 9/26/2013 Email: TTRITT@MULLDRILLING.

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

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## Best Management Practices

### No BMP/COA Type

### Description

1	Planning	<ul style="list-style-type: none"><li>• Conduct Initial Site Assessment<ul style="list-style-type: none"><li>o Identification of nearby water bodies</li><li>o Identification of vegetation types</li><li>o Identification of protected wildlife species</li><li>o Identification of potential access routes to minimize disturbances</li><li>o Identification of nearby improvements</li></ul></li></ul>
2	Pre-Construction	<ul style="list-style-type: none"><li>• Preparation of a Storm Water Pollution Prevention Plan. Acquisition of a Storm Water Discharge Permit</li><li>• Consultation with the surface landowner or appointed agent</li><li>• Finalize access routes</li><li>• Finalize well pad location to minimize surface grade impacts</li><li>• Finalize well pad layout to minimize disturbances</li><li>• Develop wildlife management plan if protected species are present</li></ul>

3	General Housekeeping	<ul style="list-style-type: none"> <li>• Drilling and production operations conducted in safe, workmanlike manner. Safety expectations include good housekeeping.</li> <li>• During drilling/completion operations, debris stored in caged container which is removed from the site.</li> <li>• During production operations, the lease is inspected daily by MDC personnel.</li> </ul>
4	Wildlife	<ul style="list-style-type: none"> <li>• Development and implementation of a Wildlife Management Plan if protected species are present</li> </ul>
5	Storm Water/Erosion Control	<ul style="list-style-type: none"> <li>• During drilling / completion operations, implementation of Storm Water Pollution Prevention Plan</li> <li>• Following drilling/completion operations, prompt reclamation of disturbed areas</li> <li>• During production operations, implementation of MDC's Post Construction Storm Water Management Program</li> </ul> <p><b>SITE SPECIFIC</b></p> <p>1. Per indicated surface water area 207 feet Southwest, 785 feet Southeast, and 939 feet West of proposed well pad – structural practices will be implemented at the site to minimize erosion and sediment transport. Practices may include but are not limited to: straw bales, wattles/sediment control logs, silt fences, earth dikes, drainage swales, sediment traps, subsurface drains, pipe slope drains, inlet protection, outlet protection, gabions, and temporary sediment basins.</p>
6	Material Handling and Spill Prevention	<ul style="list-style-type: none"> <li>• During drilling/completion operations, storage areas graded towards pit</li> <li>• During production operations, implementation of Spill Prevention, Control and Countermeasure Plan &amp; daily inspection</li> <li>• All stock and produced water tanks have secondary containment</li> </ul>
7	Construction	<ul style="list-style-type: none"> <li>• Access road, well pad and pit disturbances minimized</li> <li>• Soils segregated by type to facilitate reclamation</li> <li>• Storm water controls deployed and routinely inspected</li> </ul>
8	Drilling/Completion Operations	<ul style="list-style-type: none"> <li>• Implement Storm Water Pollution Prevention Plan, including routine inspections and evaluation of effectiveness</li> <li>• Locate tank batteries at safe distance from public roadways and railhead</li> <li>• Full containment for stock tanks and separators</li> <li>• Installation of pipelines in common trenches when practical</li> <li>• Installation of pipelines at right angles to water bodies (drainages, wetlands, perennial water bodies) where practical</li> </ul>
9	Interim Reclamation	<ul style="list-style-type: none"> <li>• Debris and waste material removed</li> <li>• Areas not in use reclaimed promptly; pits closed using segregated material; well pad and other compacted surfaces ripped</li> <li>• Noxious weeds controlled</li> </ul>
10	Final Reclamation	<ul style="list-style-type: none"> <li>• All equipment and debris removed</li> <li>• All remaining disturbed areas, including access roads, reclaimed</li> <li>• Noxious Weed Control Plan developed if appropriate</li> </ul>

Total: 10 comment(s)

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### **Attachment Check List**

<b><u>Att Doc Num</u></b>	<b><u>Name</u></b>
400486161	FORM 2 SUBMITTED
400486466	30 DAY NOTICE LETTER
400486491	H2S CONTINGENCY PLAN
400487090	WELL LOCATION PLAT

Total Attach: 4 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Returned to DRAFT. The well location plat will not open and requested that the un-openable topo map be deleted. Also, the form 2A is not in the related forms.	9/27/2013 12:25:52 PM

Total: 1 comment(s)