

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:  
401049575  
**(SUBMITTED)**

APPLICATION FOR PERMIT TO:

Drill     Deepen     Re-enter     Recomplete and Operate

Date Received:  
05/18/2016

TYPE OF WELL OIL  GAS  COALBED  OTHER \_\_\_\_\_ Refilling   
ZONE TYPE SINGLE ZONE  MULTIPLE ZONES  COMMINGLE ZONES  Sidetrack

Well Name: Marr 0780 Well Number: 4-6H  
Name of Operator: SANDRIDGE EXPLORATION & PRODUCTION LLC COGCC Operator Number: 10598  
Address: 123 ROBERT S KERR AVE  
City: OKLAHOMA CITY State: OK Zip: 73102  
Contact Name: Laci Bevans Phone: (405)429-5610 Fax: ( )  
Email: lbevans@sandridgeenergy.com

**RECLAMATION FINANCIAL ASSURANCE**  
Plugging and Abandonment Bond Surety ID: 20160010

**WELL LOCATION INFORMATION**  
QtrQtr: NWNE Sec: 7 Twp: 7N Rng: 80W Meridian: 6  
Latitude: 40.598361 Longitude: -106.415631  
Footage at Surface: 400 feet FNL/FSL FNL 2406 feet FEL/FWL FEL  
Field Name: NORTH PARK HORIZONTAL Field Number: 60120  
NIOBRARA  
Ground Elevation: 8130 County: JACKSON  
GPS Data:  
Date of Measurement: 04/18/2016 PDOP Reading: 1.2 Instrument Operator's Name: C.M., G.W.  
If well is  Directional  Horizontal (highly deviated) **submit deviated drilling plan.**  
Footage at Top of Prod Zone: FNL/FSL FNL/FWL Bottom Hole: FNL/FSL FEL/FWL  
100 FSL 2310 FWL 100 FNL 2310 FWL  
Sec: 6 Twp: 7N Rng: 80W Sec: 6 Twp: 7N Rng: 80W

**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: 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.)

The surface in which this well will be drilled from is private surface and the minerals directly below the well pad and for the entire length of the well are private as well. No surface or minerals penetrated or produced by this well will be anything other than leased private/fee.

Lease info: All of Sec 6-7N-80W and other lands

Total Acres in Described Lease: 8145 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: 100 Feet

## CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 2200 Feet  
Building Unit: 2240 Feet  
High Occupancy Building Unit: 5280 Feet  
Designated Outside Activity Area: 5280 Feet  
Public Road: 1650 Feet  
Above Ground Utility: 2271 Feet  
Railroad: 5280 Feet  
Property Line: 400 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 proposed wellbore to nearest completed portion of offset wellbore permitted or completed in the same formation: 660 Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary 330 Feet (Enter 5280 for distance greater than 1 mile.)

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

## SPACING & FORMATIONS COMMENTS

The location from which this well will be drilled from is existing and on private surface. All minerals this well will penetrate and produce from are all private/fee.

## 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           | 531-2                   | 640                           | Sec 6: All                           |

## DRILLING PROGRAM

Proposed Total Measured Depth: 12246 Feet

Distance from proposed wellbore to nearest existing or permitted wellbore belonging to another operator:

5280 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 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 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:

Surface casing will be drilled with water based mud, surface cuttings, if passing COGCC rule 910 levels, may be reused beneficially. All other sections drilled will use oil based mud and those cuttings will be disposed of at commercial site.

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   | 26           | 16+1/4         | 42    | 0             | 90            | 190       | 90      | 0       |
| SURF        | 12+1/4       | 9+5/8          | 36    | 0             | 2500          | 629       | 2500    | 0       |
| 1ST         | 8+3/4        | 5+1/2          | 20    | 0             | 12246         | 2151      | 12246   | 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 No CDP #: \_\_\_\_\_

Location ID: 413754

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: Laci Bevans

Title: Regulatory Analyst Date: 5/18/2016 Email: lbevans@sandridgeenergy.com

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

| <u>COA Type</u> | <u>Description</u> |
|-----------------|--------------------|
|                 |                    |

## Best Management Practices

No BMP/COA Type

Description

| <u>No BMP/COA Type</u> | <u>Description</u>   |
|------------------------|--|
| 1                      | Drilling/Completion Operations   |
|                        | One of the first wells drilled on the pad will be logged with an open-hole resistivity log and gamma ray log from kick off point to surface (vertical section of well). 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 form 5 completion report for each well drilled on this pad will have all logs run on that well noted and attached. If no logs were run, that also will be clearly noted on the well's form 5. |

Total: 1 comment(s)

## Attachment Check List

| <b>Att Doc Num</b> | <b>Name</b>            |
|--------------------|------------------------|
| 401049575          | FORM 2 SUBMITTED       |
| 401049670          | SURFACE AGRMT/SURETY   |
| 401049671          | DRILLING PLAN          |
| 401049672          | ANTI-COLLISION WAIVER  |
| 401049673          | DEVIATED DRILLING PLAN |
| 401049777          | WELL LOCATION PLAT     |
| 401055861          | DIRECTIONAL DATA       |
| 401055864          | DEVIATED DRILLING PLAN |

Total Attach: 8 Files

**General Comments**

| <b>User Group</b> | <b>Comment</b> | <b>Comment Date</b> |
|-------------------|----------------|---------------------|
|                   |                |                     |

Total: 0 comment(s)

