

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:

400432731

APPLICATION FOR PERMIT TO:

Drill  Deepen  Re-enter  Recomplete and Operate

Date Received:

09/11/2013

TYPE OF WELL OIL  GAS  COALBED  OTHER Pilot/Directional

Refiling

ZONE TYPE SINGLE ZONE  MULTIPLE ZONES  COMMINGLE ZONES

Sidetrack

Well Name: Bulldog Well Number: 2-33H-791  
Name of Operator: AXIA ENERGY LLC COGCC Operator Number: 10335  
Address: 1430 LARIMER STREET #400  
City: DENVER State: CO Zip: 80202  
Contact Name: Lisa Smith Phone: (303)857-9999 Fax: (303)450-9200  
Email: Lisa@permitco-usa.com

RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 20100083

WELL LOCATION INFORMATION

QtrQtr: Lot 13 Sec: 2 Twp: 7N Rng: 91W Meridian: 6  
Latitude: 40.592886 Longitude: -107.566884

Footage at Surface: 2283 feet <sup>FNL/FSL</sup> FSL 1175 feet <sup>FEL/FWL</sup> FEL

Field Name: Wildcat Field Number: 99999

Ground Elevation: 6625 County: MOFFAT

GPS Data:

Date of Measurement: 01/17/2013 PDOP Reading: 1.3 Instrument Operator's Name: Glen McElroy

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

Footage at Top of Prod Zone: <sup>FNL/FSL</sup> 1979 <sup>FSL</sup> FSL 1981 <sup>FEL</sup> FEL Bottom Hole: <sup>FNL/FSL</sup> 1979 <sup>FSL</sup> FSL 1981 <sup>FEL/FWL</sup> FEL  
Sec: 2 Twp: 7N Rng: 91W Sec: 2 Twp: 7N Rng: 91W

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.)

At surface: Lessor: Alice Lorraine Robinson. T7N - R90W: Sec. 6: Lot 10, 12, 13, 18-21; Sec. 7: Lots 5-15, 18-20; Sec. 8: Lots 9-16; Sec. 17: Lots 3-4; Sec. 18: Lots 5-8; T7N - R91W: Sec. 1: Lots 17-20; Sec. 2: Lots 13, 14, 19, 20; Sec. 12: Lots 1-6, 8, 11-16; Sec. 13: Lots 1,2 - containing 2307.7 acres

Total Acres in Described Lease: 2308 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: 1981 Feet

## CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 3705 Feet  
Building Unit: 5280 Feet  
High Occupancy Building Unit: 5280 Feet  
Designated Outside Activity Area: 5280 Feet  
Public Road: 345 Feet  
Above Ground Utility: 3705 Feet  
Railroad: 5280 Feet  
Property Line: 2978 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: 1320 Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary 1981 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.)
NIOBRARA	NBRR	540-16	2608	See Attached

## DRILLING PROGRAM

Proposed Total Measured Depth: 12889 Feet

Distance to nearest permitted or existing wellbore penetrating objective formation: 1320 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:

Water based cuttings to be tested to Table 910 standards, mixed/treated as necessary and buried or spread at location. Oil based cuttings will be hauled to a commercial disposal facility.

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	75#	0	60	60	60	0
SURF	13+1/2	10+3/4	40.5#	0	1500	410	1500	0
1ST	9+7/8	7+5/8	26.4#	0	10788	830	10788	4000
OPEN HOLE	6+3/4	0+0/0	0	10788	12889	380	12889	10320

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 location will be drilled for informational purposes only. Open hole will be plugged back with 380 sx cement prior to drilling the lateral hole.

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: Lisa Smith - PermitCo

Title: Authorized Agent for Axia Date: 9/11/2013 Email: Lisa@permitco-usa.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>

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## Attachment Check List

<b>Att Doc Num</b>	<b>Name</b>
400432731	FORM 2 SUBMITTED
400479933	MULTI-WELL PLAN
400479934	MINERAL LEASE MAP
400479936	PLAT
400479937	SURFACE AGRMT/SURETY
400479938	30 DAY NOTICE LETTER
400479939	WAIVERS
400480251	DIRECTIONAL DATA
400480259	DEVIATED DRILLING PLAN

Total Attach: 9 Files

### General Comments

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>
Permit	Returned to draft: The pilot hole should have the deviated drilling plan and data template of the pilot and not the lateral. All cultural distances need to be filled in.	9/12/2013 8:46:20 AM

Total: 1 comment(s)