

**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:

400541606

**APPLICATION FOR PERMIT TO:**

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

Date Received:

01/31/2014

TYPE OF WELL OIL ☐ GAS ☒ COALBED ☐ OTHER ☐ Pilot Hole-Direction

Refiling ☐

ZONE TYPE    SINGLE ZONE ☒    MULTIPLE ZONES ☐    COMMINGLE ZONES ☐

## Sidetrack

Well Name: Bulldog

Well Number: 17-21H-891

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
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Phone: (303)857-9999      Fax: (303)450-9200

Email: [lisa@permitco-usa.com](mailto:lisa@permitco-usa.com)

## RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 20100083

## WELL LOCATION INFORMATION

QtrQtr: NW NE      Sec: 17      Twp: 8N      Rng: 91W      Meridian: 6

Latitude: 40.658607 Longitude: -107.627397

			FNL/FSL		FEL/FWL
Footage at Surface:	101	feet	FNL	2145	feet FEL

Field Name: WILDCAT                      Field Number: 99999

Ground Elevation: 6975 County: MOFFAT

GPS Data:

Date of Measurement: 01/11/2013 PDOP Reading: 1.1 Instrument Operator's Name: Glen McElroy

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
<u>660</u>		<u>FNL</u>	<u>1980</u>			<u>FWL</u>	<u>660</u>		<u>FNL</u>	<u>1980</u>			<u>FWL</u>
Sec:	17	Twp:	8N	Rng:	91W	Sec:		17	Twp:	8N	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: 20100083

## 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.)

Lease contains 8,802.79 acres. Please see attached lease Description.

Total Acres in Described Lease: 8803 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: 660 Feet

## CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 1462 Feet  
Building Unit: 1533 Feet  
High Occupancy Building Unit: 5280 Feet  
Designated Outside Activity Area: 5280 Feet  
Public Road: 822 Feet  
Above Ground Utility: 948 Feet  
Railroad: 5280 Feet  
Property Line: 2145 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: 1328 Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary 0 Feet (Enter 5280 for distance greater than 1 mile.)

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

## SPACING & FORMATIONS COMMENTS

Distance to nearest completed portion of wellbore to the unit boundary is zero feet because this pilot hole will not be completed.

## 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	TBD	2605	Sec. 17, 18, 19, 20

## DRILLING PROGRAM

Proposed Total Measured Depth: 14102 Feet

Distance to nearest permitted or existing wellbore penetrating objective formation: 1328 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: ONSITE Cuttings Disposal Method: Other

Other Disposal Description:

Water based cuttings will 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?

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	55	0	60	60	60	0
SURF	13+1/2	10+3/4	40.5	0	1500	545	1500	0
1ST	9+7/8	7+5/8	26.4	0	11700	823	11700	5000
OPEN HOLE	6+3/4			0	14102	300	14102	11900

☐ 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

Note - the APD for this well was original submitted on July 20, 2013 (Doc. No. 40038764) prior to the form being changed. As requested by Bill Yokely, this form is being resubmitted on the new revised Form 2.

This well will be drilled for informational purposes only and will not be produced.

This application is in a Comprehensive Drilling Plan \_\_\_\_\_ CDP #: \_\_\_\_\_

Location ID: 435185

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: Lisa Smith

Title: Agent for Axia Energy LLC Date: 1/31/2014 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

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## Best Management Practices

No BMP/COA Type

Description

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## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400541606	FORM 2 SUBMITTED
400542046	PLAT
400542047	SURFACE AGRMT/SURETY
400542048	30 DAY NOTICE LETTER
400542050	LEASE MAP
400542051	UNIT CONFIGURATION MAP
400542052	WAIVERS
400548688	WELL LOCATION PLAT
400548691	DEVIATED DRILLING PLAN
400548695	DIRECTIONAL DATA

Total Attach: 10 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Returned to draft: Missing attached Deviated Drilling Plan.	1/31/2014 4:03:35 PM

Total: 1 comment(s)