

FORM
2

Rev
12/05

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:

400296960

Date Received:

06/20/2012

APPLICATION FOR PERMIT TO:

1. Drill, Deepen, Re-enter, Recomplete and Operate

2. TYPE OF WELL

OIL GAS COALBED OTHER Lateral
SINGLE ZONE MULTIPLE COMMINGLE

Refiling

Sidetrack

PluggingBond SuretyID

20100083

3. Name of Operator: AXIA ENERGY LLC

4. COGCC Operator Number: 10335

5. Address: 1430 LARIMER STREET #400

City: DENVER State: CO Zip: 80202

6. Contact Name: Lisa Smith Phone: (303)857-9999 Fax: (303)450-9200

Email: lspemitco@aol.com

7. Well Name: Bulldog Well Number: 14-14H-893

8. Unit Name (if appl): _____ Unit Number: _____

9. Proposed Total Measured Depth: 18087

WELL LOCATION INFORMATION

10. QtrQtr: SWSW Sec: 14 Twp: 8N Rng: 93W Meridian: 6

Latitude: 40.639756 Longitude: -107.807722

Footage at Surface: 832 feet FSL 661 feet FWL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 6539 13. County: MOFFAT

14. GPS Data:

Date of Measurement: 03/15/2012 PDOP Reading: 1.2 Instrument Operator's Name: Greg Olsen

15. 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
293 FSL 447 FWL 720 FNL 2040 FEL
Sec: 14 Twp: 8N Rng: 93W Sec: 27 Twp: 8N Rng: 93W

16. Is location in a high density area? (Rule 603b)? Yes No

17. Distance to the nearest building, public road, above ground utility or railroad: 1062 ft

18. Distance to nearest property line: 490 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 5280 ft

20. LEASE, SPACING AND POOLING INFORMATION

Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)
Niobrara	NBRR			

21. Mineral Ownership: Fee State Federal Indian Lease #: _____

22. Surface Ownership: Fee State Federal Indian

23. Is the Surface Owner also the Mineral Owner? Yes No Surface Surety ID#: _____

23a. If 23 is Yes: Is the Surface Owner(s) signature on the lease? Yes No

23b. If 23 is No: Surface Owners Agreement Attached or \$25,000 Blanket Surface Bond \$2,000 Surface Bond \$5,000 Surface Bond

24. Using standard QtrQtr, Sec, Twp, Rng format enter entire mineral lease description upon which this proposed wellsite is located (attach separate sheet/map if you prefer):

See attached Voluntary Pooling Declaration.

25. Distance to Nearest Mineral Lease Line: 0 ft 26. Total Acres in Lease: 660

DRILLING PLANS AND PROCEDURES

27. Is H2S anticipated? Yes No If Yes, attach contingency plan.

28. Will salt sections be encountered during drilling? Yes No

29. Will salt (>15,000 ppm TDS CL) or oil based muds be used during drilling? Yes No

30. If questions 28 or 29 are yes, is this location in a sensitive area (Rule 901.e)? Yes No

31. Mud disposal: Offsite Onsite

If 28, 29, or 30 are "Yes" a pit permit may be required.

Method: Land Farming Land Spreading Disposal Facility Other: _____

Note: The use of an earthen pit for Recompletion fluids requires a pit permit (Rule 905b). If air/gas drilling, notify local fire officials.

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	1,500	545	1,500	0
1ST	9+7/8	7+5/8	26.4	0	8,600	935	8,600	3,000
1ST LINER	6+3/4	5+1/2	20	0	8,500	125	8,500	6,600
2ND LINER	6+3/4	4+1/2	13.5	8500	18,087	1,075	18,087	8,500

32. BOP Equipment Type: Annular Preventer Double Ram Rotating Head None

33. Comments Moffat County is partial mineral interest owner.

34. Location ID: _____

35. Is this application in a Comprehensive Drilling Plan? Yes No

36. Is this application part of submitted Oil and Gas Location Assessment? Yes 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: Authorized Agent Date: 6/20/2012 Email: lspermitco@aol.com

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 and applicable orders and is hereby approved.

COGCC Approved: Matthew Lee Director of COGCC Date: 8/18/2012

API NUMBER 05 081 07745 01	Permit Number: _____	Expiration Date: <u>8/17/2014</u>
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CONDITIONS OF APPROVAL, IF ANY:

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.

(1) COMPLIANCE WITH THE MOST CURRENT REVISION OF THE NORTHWEST COLORADO NOTIFICATION POLICY IS REQUIRED.

(2) Provide cement coverage from the intermediate casing shoe to a minimum of 200' above Niobrara [or other shallowest-known producing horizon]. Verify cement with a cement bond log.
 •If the production liner is cemented, verify cement with a cement bond log.

(3) THE PROPOSED SURFACE CASING IS MORE THAN 50' BELOW THE DEPTH OF THE DEEPEST WATER WELL WITHIN 1-MILE OF THE SURFACE LOCATION WHEN CORRECTED FOR ELEVATION DIFFERENCES. THE DEEPEST WATER WELL WITHIN 1-MILE IS 180 FEET DEEP.

Attachment Check List

Att Doc Num	Name
1533416	LEASE MAP
1533463	WELL LOCATION PLAT
400296960	FORM 2 SUBMITTED
400297630	DEVIATED DRILLING PLAN
400297631	DIRECTIONAL DATA
400297634	WELL LOCATION PLAT
400297768	SURFACE AGRMT/SURETY
400297785	PROPOSED SPACING UNIT

Total Attach: 8 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	No LGD or public comments. Final Review--passed.	8/15/2012 7:48:52 AM
Permit	Attached new well loc. plat.	7/31/2012 7:03:34 AM
Permit	Attached new "voluntary pooling designation map" and corrected lease acres. Minimum distance at BHL from border of pooling area is 600'. Oper. to submit new well loc. plat.	7/24/2012 11:07:08 AM
Permit	Need oper. comment referring to "voluntary pooling designation" not "spacing unit" on attached map. Changed dist. to nearest min. lease to 0'. Need plat for Sec. 22? Total lease acres inaccurate?	7/23/2012 1:03:32 PM

Total: 4 comment(s)

BMP

<u>Type</u>	<u>Comment</u>

Total: 0 comment(s)