

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:

400433221

Date Received:

07/22/2013

PluggingBond SuretyID

20080034

APPLICATION FOR PERMIT TO:

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

2. TYPE OF WELL

OIL ☒ GAS ☐ COALBED ☐ OTHER \_\_\_\_\_  
SINGLE ZONE ☐ MULTIPLE ☒ COMMINGLE ☒

Refiling ☐

Sidetrack ☐

3. Name of Operator: BAYSWATER EXPLORATION AND PRODUCTION LLC 4. COGCC Operator Number: 10261

5. Address: 730 17TH ST STE 610

City: DENVER State: CO Zip: 80202

6. Contact Name: DeAnne Spector Phone: (303)928-7128 Fax: ()

Email: dspector@petro-fs.com

7. Well Name: Hirsch Well Number: 17-24

8. Unit Name (if appl): \_\_\_\_\_ Unit Number: \_\_\_\_\_

9. Proposed Total Measured Depth: 7736

WELL LOCATION INFORMATION

10. QtrQtr: SENW Sec: 24 Twp: 7N Rng: 67W Meridian: 6

Latitude: 40.562898 Longitude: -104.841838

Footage at Surface: 1471 feet FNL 2508 feet FWL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 5035 13. County: WELD

14. GPS Data:

Date of Measurement: 05/23/2013 PDOP Reading: 2.1 Instrument Operator's Name: Alan Hznida

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  
1321 FNL 1317 FEL 1321 FNL 1317 FEL  
Sec: 24 Twp: 7N Rng: 67W Sec: 24 Twp: 7N Rng: 67W

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: 585 ft

18. Distance to nearest property line: 128 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 2115 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.)
CODLL	CODL		160	NE/4
NIOBRARA	NBRR		160	NE/4

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):

T7N, R67W, Sec. 24: SW/4, S/2NW/4. See attached lease map.

25. Distance to Nearest Mineral Lease Line: 50 ft

26. Total Acres in Lease: 240

### 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
SURF	12+1/4	8+5/8	24	0	800	528	800	0
1ST	7+7/8	4+1/2	11.6	0	7755	896	7755	0

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

33. Comments Conductor casing will not be used. Operator requests an exception location per rule 318A.a. SHL will not be drilled in a legal drilling window. Signed waiver attached. SHL on Hirsch, BHL on Mtn. View Lambs. Operator has a signed lease with Mtn. View Lambs and has all leases in the NE/4. Distance to the property line is 128'. Bayswater holds the leases on both sides of this property line. Unit configuration is 160 acres, center spot. Distance to the nearest well is 2116' to the Hirsch 6-24.

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: DeAnne M. Spector

Title: Regulatory Analyst

Date: 7/22/2013

Email: dspector@petro-fs.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: 9/8/2013

#### API NUMBER

05 123 37923 00

Permit Number: \_\_\_\_\_ Expiration Date: 9/7/2015

#### 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.

<b>COA Type</b>	<b>Description</b>
	Operator must meet water well testing requirements per Rule 318A.
	1) Note surface casing setting depth change from 735' to 800'. Increase cement coverage accordingly. 2) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 3) Comply with Rule 317.i and provide cement coverage from TD to a minimum of 200' above Niobrara. Verify coverage with cement bond log. 4) Run and submit Directional Survey from TD to base of surface casing. The operator shall comply with Rule 321, and it shall be the operator's responsibility to ensure that the wellbore complies with setback requirements in commission orders or rules prior to producing the well.

### **Applicable Policies and Notices to Operators**

Notice Concerning Operating Requirements for Wildlife Protection.

### **Attachment Check List**

<b><u>Att Doc Num</u></b>	<b><u>Name</u></b>
2167206	WAIVERS
2482483	SURFACE CASING CHECK
400433221	FORM 2 SUBMITTED
400435384	PLAT
400443351	DIRECTIONAL DATA
400443354	DEVIATED DRILLING PLAN
400451846	EXCEPTION LOC WAIVERS
400451971	30 DAY NOTICE LETTER
400452307	EXCEPTION LOC REQUEST
400452312	MINERAL LEASE MAP

Total Attach: 10 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Final review complete.	9/6/2013 9:56:48 AM
Permit	Attached property line waiver as per opr.	8/27/2013 8:22:26 AM
Permit	Corrected Lease description as per opr.	7/25/2013 1:12:49 PM
Permit	Opr using different lease and acres on this form. Wait for clarification.	7/24/2013 3:02:57 PM
Permit	Back to draft for corrections to surf/min owner informaton and distance to property line.	7/23/2013 11:13:39 AM

Total: 5 comment(s)

## Best Management Practices

No	BMP/COA Type	Description
1	Planning	When feasible develop multiple well sites by using directional drilling to reduce cumulative impacts and adverse impacts on wildlife resources.
2	General Housekeeping	Fence the well site after drilling to restrict public and wildlife access. Keep well site location, the road, and the pipeline easement free of noxious weeds, litter and debris. Spray for noxious weeds, and implement dust control, as needed. Operator will not permit the release or discharge of any toxic or hazardous chemicals or wastes on Owner's Land. Construct and maintain gates where any roads used by operator, its employees, or contractors cross through fences on the leased premises.
3	Storm Water/Erosion Control	Use water bars, and other measures to prevent erosion and non-source pollution. Implement and maintain BMPs to control stormwater runoff in a manner that minimizes erosion, transport of sediment offsite, and site degradation. Co-locate gas and water gathering lines whenever feasible, and mitigate any erosion problems that arise due to the construction of any pipeline(s).
4	Construction	Remove only the minimum amount of vegetation necessary for the construction of roads and facilities. Conserve topsoil during excavation and reuse as cover on disturbed areas to facilitate regrowth of vegetation. No construction or routine maintenance activities will be performed during periods when the soil is too wet to adequately support construction equipment.
5	Drilling/Completion Operations	A closed-loop drilling mud system will be used to preclude the use of an earthen reserve pit. Light Sources will likewise be directed downwards and away from occupied structures where possible. Once the drilling and completion rigs leave the site, there will be no permanently installed lighting on site.
6	Interim Reclamation	Utilize only such area around each producing well as is reasonably necessary. Restore the remainder of the well site location to its original condition within a reasonable time after the completion of operations. All reseeding shall be done with grasses consistent with the Rocky Mountain native mix or other grasses reasonably requested by surface owner and during planting period suggested by Owner.
7	Final Reclamation	All surface restoration shall be accomplished to the satisfaction of Owner. All reseeding shall be done with grasses consistent with the Rocky Mountain native mix or other grasses reasonably requested by surface owner and during planting period suggested by Owner. Final reclamation shall be completed to the reasonable satisfaction of the Owner as soon as practical after installation (weather permitting) and in accordance with regulatory agency standards (BLM/COGCC).

Total: 7 comment(s)