

FORM
2Rev
12/05

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



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Document Number:

400233081

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 LLC4. COGCC Operator Number: 102615. Address: 730 17TH ST STE 610City: DENVER State: CO Zip: 802026. Contact Name: Kallasandra Moran Phone: (303)928-7128 Fax: (303)962-6237Email: kmoran@petro-fs.com7. Well Name: Brown Well Number: 13-8

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

9. Proposed Total Measured Depth: 8230

WELL LOCATION INFORMATION

10. QtrQtr: SESW Sec: 8 Twp: 1S Rng: 67W Meridian: 6Latitude: 39.974855 Longitude: -104.916119

Footage at Surface: 1086 feet FNL/FSL 1652 feet FEL/FWL FWL

11. Field Name: Spindle Field Number: 7790012. Ground Elevation: 5173 13. County: ADAMS

14. GPS Data:

Date of Measurement: 11/01/2011 PDOP Reading: 2.1 Instrument Operator's Name: Owen McKee / PFS15. If well is ☒ Directional ☐ Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL 634 FSL 639 FEL/FWL 659 FSL 657 FEL/FWL FWL
 Sec: 8 Twp: 1S Rng: 67W Sec: 8 Twp: 1S Rng: 67W

16. Is location in a high density area? (Rule 603b)? ☐ Yes ☒ No17. Distance to the nearest building, public road, above ground utility or railroad: 420 ft18. Distance to nearest property line: 206 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 1374 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.)
Codell	CODL	407-87	80	S2/SW
Greenhorn	GRNHN		80	S2/SW
Niobrara	NBRR	407-87	80	S2/SW

21. Mineral Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian Lease #: _____22. Surface Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian23. 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):
S2/SW, Sec. 8, T1S-R67W

25. Distance to Nearest Mineral Lease Line: 634 ft 26. Total Acres in Lease: 80

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

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	1,170	787	1,170	0
1ST	7+7/8	4+1/2	11.6	0	8,230	1,007	8,230	1,125

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

33. Comments No conductor casing will be set. Exception location requests & waivers to Rule 318A & 318A.c. attached

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: Kallasandra M. Moran

Title: Regulatory Manager Date: 12/15/2011 Email: kmoran@petro-fs.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: David G. Neslin Director of COGCC Date: 2/25/2012

API NUMBER

05 001 09739 00

Permit Number: _____ Expiration Date: 2/24/2014

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.

On Hold. An exception & waiver for the wells being more that 50' to each other is required. Opr notified and document requested.

Water sampling required. Opr notified. Ready to pass pending public comment 1/9/12.

1) Note surface casing setting depth change from 1125' to 1170'. Increase cement coverage accordingly and cement to surface.

2) Provide 24 hour notice of MIRU to Mike Hickey by e-mail at Mike.Hickey@state.co.us

3) Comply with Rule 317.i and provide cement coverage from TD to a minimum of 200' above Niobrara and from 200' below Sussex to 200' above Sussex. Verify coverage with cement bond log.

4) Comply with Rule 321. Run and submit Directional Survey from TD to base of surface casing. Ensure that the wellbore complies with setback requirements in commission orders or rules prior to producing the well.

Attachment Check List

Att Doc Num	Name
2113394	EXCEPTION LOC REQUEST
2113395	EXCEPTION LOC WAIVERS
400233081	FORM 2 SUBMITTED
400233084	DEVIATED DRILLING PLAN
400233085	30 DAY NOTICE LETTER
400233086	EXCEPTION LOC REQUEST
400233087	EXCEPTION LOC WAIVERS
400233088	TOPO MAP
400233090	PLAT

Total Attach: 9 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Uploaded exception location request and waiver for twinning. Final review complete.	2/24/2012 8:36:33 AM
Permit	Opr e-mailed that they are working on the surface owner communication. (exception location waivers) Continue on Hold.	1/25/2012 2:43:10 PM
Permit	Final review complete	1/10/2012 9:59:34 AM
LGD	All Production Facilities will be painted to an earthtone color. Allproduction Facilities, including the well head will fence and locked to prevent unauthorized entrance.	12/27/2011 6:58:28 AM
Permit	Operator corrected county. This form has passed completeness.	12/19/2011 12:51:18 PM
Permit	Returned to draft. Incorrect county.	12/16/2011 7:32:27 AM

Total: 6 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
Drilling/Completion Operations	When available and reasonable use a closed-loop drilling mud system to preclude the use of an earthen reserve pits when available.
Site Specific	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.
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.
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).
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.
Planning	When feasible develop multiple well sites by using directional drilling to reduce cumulative impacts and adverse impacts on wildlife resources.
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).

Total: 7 comment(s)