FORM 2 Rev 12/20

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: 402741360 **(SUBMITTED)**

Date Received:` 07/13/2021

APPLICATION FOR PERMIT TO:

[X] **Drill** [ ] Deepen [ ] Re-enter [ ] Recomplete and Operate

Amend [ ] Refile [X] Sidetrack [ ]

TYPE OF WELL OIL [X] GAS [ ] COALBED [ ] OTHER:

ZONE TYPE SINGLE ZONE [X] MULTIPLE ZONES [ ] COMMINGLE ZONES [ ]

Well Name: Dotsero Well Number: 3

Name of Operator: BAYSWATER EXPLORATION & PRODUCTION LLC COGCC Operator Number: 10261

Address: 730 17TH ST STE 500

City: DENVER State: CO Zip: 80202

Contact Name: Mark Brown Phone: (720)3508858 Fax: (303)8932508

Email: mbrown@bayswater.us

RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 20080034

WELL LOCATION INFORMATION

Surface Location

QtrQtr: NESE Sec: 6 Twp: 7N Rng: 64W Meridian: 6

Footage at Surface: 1576 Feet FSL (FNL/FSL) 475 Feet FEL (FEL/FWL)

Latitude: 40.598970 Longitude: -104.584550

GPS Data: GPS Quality Value: 1.1 Type of GPS Quality Value: PDOP Date of Measurement: 02/03/2018

Ground Elevation: 4989

Field Name: WATTENBERG Field Number: 90750

Well Plan: is [ ] Directional [X] Horizontal (highly deviated) [ ] Vertical

If Well plan is Directional or Horizontal attach Deviated Drilling Plan and Directional Data.

Subsurface Locations

Top of Productive Zone (TPZ)

Sec: 6 Twp: 7N Rng: 64W Footage at TPZ: 2135 FNL (FNL/FSL) 470 FEL (FEL/FWL)

Measured Depth of TPZ: 7752 True Vertical Depth of TPZ: 7182

Base of Productive Zone (BPZ)

Sec: 1 Twp: 7N Rng: 65W Footage at BPZ: 2168 FNL (FNL/FSL) 470 FWL (FEL/FWL)

Measured Depth of BPZ: 17157 True Vertical Depth of BPZ: 7177

Bottom Hole Location (BHL)

Sec: 1 Twp: 7N Rng: 65W Footage at BHL: 2168 FNL (FNL/FSL) 470 FWL (FEL/FWL)

LOCAL GOVERNMENT PERMITTING INFORMATION

County: WELD Municipality: N/A

Is the Surface Location of this Well in an area designated as one of State interest and subject to the requirements of § 24-65.1-108 C.R.S.? Yes

Per § 34-60-106(1)(f)(I)(A) C.R.S., the following questions pertain to the Relevant Local Government approval of the siting of the proposed Oil and Gas Location.

SB 19-181 provides that when "applying for a permit to drill," operators must include proof that they sought a local government siting permit and the disposition of that permit application, or that the local government does not have siting regulations. § 34-60-106(1)(f)(I)(A) C.R.S.

Does the Relevant Local Government regulate the siting of Oil and Gas Locations, with respect to this Location? [X] Yes [ ] No

[X] If yes, in checking this box, I hereby certify that an application has been filed with the local government with jurisdiction to approve the siting of the proposed oil and gas location.

The disposition of the application filed with the Relevant Local Government is: Approved Date of Final Disposition: 09/26/2019

Comments: 1041WOGLA19-0056 Submitted 4/16/2019, Approved 9/26/2019

SURFACE AND MINERAL OWNERSHIP AT WELL'S OIL & GAS LOCATION

Surface Owner of the land at this Well's Oil and Gas Location: [X] Fee [ ] State [ ] Federal [ ] Indian

Mineral Owner beneath this Well's Oil and Gas Location: [X] Fee [ ] State [ ] Federal [ ] Indian

Surface Owner Protection Financial Assurance (if applicable): Surety ID Number (if applicable):

MINERALS DEVELOPED BY WELL

The ownership of all the minerals that will be developed by this Well is (check all that apply):

- [X] Fee
- [ ] State
- [ ] Federal
- [ ] Indian
- [ ] N/A

LEASE INFORMATION

Using standard QtrQtr, Section, Township, Range format describe one entire mineral lease as follows:
* If this Well is within a unit, describe a lease that will be developed by the Well.
* If this Well is not subject to a unit, describe the lease that will be produced by the Well.
(Attach a Lease Map or Lease Description or Lease if necessary.)

T7N-R64W Section 6: Lot 1, Lot 2, S/2NE/4, SE/4, less and except 5.12 acres

Total Acres in Described Lease: 315 Described Mineral Lease is: [X] Fee [ ] State [ ] Federal [ ] Indian

Federal or State Lease #

SAFETY SETBACK INFORMATION

Distance from Well to nearest:

Building:	3637	Feet
Building Unit:	3605	Feet
Public Road:	465	Feet
Above Ground Utility:	449	Feet

INSTRUCTIONS:
- Specify all distances per Rule 308.b.(1).
- 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 – as defined in 100 Series Rules.

Railroad: 5280 Feet

Property Line: 475 Feet

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	407-2617	1280	SEC 6 & 1: ALL

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

SUBSURFACE MINERAL SETBACKS

Enter 5280 for distance greater than 1 mile.

Is this Well within a unit? Yes

If YES:

Enter the minimum distance from the Completed Zone of this Well to the Unit Boundary: 470 Feet

Enter the minimum distance from the Completed Zone of this Well to the Completed Zone of an offset Well within the same unit permitted or completed in the same formation: 886 Feet

If NO:

Enter the minimum distance from the Completed Zone of this Well to the Lease Line of the described lease: Feet

Enter the minimum distance from the Completed Zone of this Well to the Completed Zone of an offset Well producing from the same lease and permitted or completed in the same formation: Feet

Exception Location

☐ If this Well requires the approval of a Rule 401.c Exception Location, enter the Rule or spacing order number and attach the Exception Location Request and Waivers.

SPACING & FORMATIONS COMMENTS

T7N R64W: Section 6 ALL
T7N R65W: Section 1 ALL

DRILLING PROGRAM

Proposed Total Measured Depth: 17157 Feet TVD at Proposed Total Measured Depth 7177 Feet

Distance from the proposed wellbore to nearest existing or proposed wellbore belonging to another operator, including plugged wells:

Enter distance if less than or equal to 1,500 feet: 898 Feet ☐ No well belonging to another operator within 1,500 feet

Will a closed-loop drilling system be used? Yes

Is H_2S gas reasonably expected to be encountered during drilling operations at concentrations greater than or equal to 100 ppm? No If yes, attach an H2S Drilling Plan unless a plan was already submitted with the Form 2A per Rule 304.c.(10).

Will there be hydraulic fracture treatment at a depth less than 2,000 feet in this well? No

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

Beneficial reuse or land application plan submitted?

Reuse Facility ID: or Document Number:

CASING PROGRAM

Casing Type	Size of Hole	Size of Casing	Grade	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
CONDUCTOR	26	16	N/A	43	0	80	400	80	0
SURF	13+1/2	9+5/8	J-55	36	0	1500	660	1500	0
1ST	8+1/2	5+1/2	HCP110	20	0	17157	2336	17157	2500

☐ Conductor Casing is NOT planned

POTENTIAL FLOW AND CONFINING FORMATIONS

Zone Type	Formation /Hazard	Top M.D.	Top T.V.D.	Bottom M.D.	Bottom T.V.D.	TDS (mg/L)	Data Source	Comment
Groundwater	Quarternary Alluvium	0	0	10	10	501-1000	Groundwater Sample	DWR Receipt #0273312
Groundwater	Laramie/Fox Hills	10	10	776	776	0-500	Other	https://pubs.usgs.gov/sir/2014/5051/pdf/sir2014-5051.pdf
Groundwater	Upper Pierre	776	776	1800	1769	1001-10000	Other	https://cogcc.state.co.us/documents/library/AreaReports/DenverBasin/UPWQ_Report_Final_11_07_17.pdf
Confining Layer	Pierre Shale	1800	1769	4000	3879			
Hydrocarbon	Parkman	4000	3879	4400	4251			
Hydrocarbon	Sussex	4575	4405	4750	4593			
Hydrocarbon	Shannon	5150	4971	5525	5318			
Confining Layer	Pierre Shale	5525	5318	7300	7015			
Confining Layer	Sharon Springs	7300	7015	7350	7045			
Hydrocarbon	Niobrara	7350	7045	17157	7177			The TVD of the deepest hydrocarbon zone is the bottom of the well and not the bottom of the formation. The formation is not planned to be exited.

OPERATOR COMMENTS AND SUBMITTAL

Comments

This Form 2 is being submitted as a refile of expiring API #05-123-48724.
Bayswater has acquired these well permits from Confluence.
Signed letter from Confluence in support for Bayswater is attached as correspondence.

There have been no new buildings constructed and no changes to the surrounding land use. The well site has not been constructed. There are also no changes to the Surface & Minerals, Cultural Setbacks, or Spacing & Formations. All previously submitted notices, Surface Use Agreements, and letters are also still valid.

SHL will not change; TPZ and BHL are being respaced across 6-7N-64W & 1-7N-65W within the currently approved DSU boundaries of Order 407-2617.

The Dotsero 1 (API: 05-123-48729) is using the API and former surface location of the Dotsero 6-8-2L.
The Dotsero 2 (API: 05-123-48725) is using the API and former surface location of the Dotsero 6-4-4L.
The Dotsero 3 (API: 05-123-48724) is using the API and former surface location of the Dotsero 6-9-1L.
The Dotsero 4 (API: 05-123-48726) is using the API and former surface location of the Dotsero 6-9-3L.
The Dotsero 5 (API: 05-123-48734) is using the API and former surface location of the Dotsero 6-10-2L.
The Dotsero 6 (API: 05-123-48723) is using the API and former surface location of the Dotsero 6-11-1L.

The nearest well in unit per anti-collision is updated to the Dotsero 2.
The nearest outside operated well per anti-collision is updated to ANTHOLZ PC AB 06-16 (API #05-123-32110) PA Status @ 898'.

This application is in a Comprehensive Area Plan No CAP #:

Oil and Gas Development Plan Name OGDP ID#:

Location ID: 459147

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____ Print Name: Jordan Lukasik

Title: Permitting Technician Date: 7/13/2021 Email: regulatory@ascentgeomatics.c

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules, applicable orders, and SB 19-181 and is hereby approved.

COGCC Approved: _____ **Director of COGCC** Date: _____

Expiration Date: _____

API NUMBER
05 123 48724 00

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

Best Management Practices

No	BMP/COA Type	Description
1	Drilling/Completion Operations	Blowout Prevention Equipment ("BOPE"): A double ram and annular preventer will be used during drilling. Stabbing valves shall be installed in the event of reverse circulation and shall be prior tested with low and high pressure fluid.
2	Drilling/Completion Operations	Bradenhead Monitoring: Operator acknowledges and will comply with COGCC Policy for Bradenhead Monitoring during Hydraulic Fracturing Treatments in the Greater Wattenberg Area dated May 29, 2012.
3	Drilling/Completion Operations	Anti-collision: Operator will perform an anti-collision evaluation of all active (producing, shut in, or temporarily abandoned) offset wellbores that have the potential of being within 150 feet of a proposed well prior to drilling operations for the proposed well. Notice shall be given to all offset operators prior to drilling.
4	Drilling/Completion Operations	Alternative Logging Program - One of the first wells drilled on the pad will be logged with Open Hole Resistivity Log and Gamma Ray Log from the kick-off point to into the surface casing. All wells on the pad will have a cement bond log with gamma-ray run on production casing (or on intermediate casing if production liner is run) into the surface casing. The horizontal portion of every well will be logged with a measuredwhile- drilling gamma-ray log. The Form 5, Completion Report, for each well on the pad will list all logs run and have those logs attached. The Form 5 for a well without openhole logs shall clearly state "Alternative Logging Program - No open-hole logs were run" and shall clearly identify (by API#, well name & number) the well in which openhole logs were run."

Total: 4 comment(s)

Attachment List

Att Doc Num	Name
402743430	OffsetWellEvaluations Data
402743929	DIRECTIONAL DATA
402743932	WELL LOCATION PLAT
402745386	CORRESPONDENCE
402745751	DEVIATED DRILLING PLAN

Total Attach: 5 Files

General Comments

User Group	Comment	Comment Date
		Stamp Upon Approval

Total: 0 comment(s)

Public Comments

No public comments were received on this application during the comment period.