

Base of Productive Zone (BPZ)

Sec: 36 Twp: 4N Rng: 68W Footage at BPZ: 1335 FSL 1115 FEL

Measured Depth of BPZ: 19809 True Vertical Depth of BPZ: 6926 FNL/FSL FEL/FWL

Bottom Hole Location (BHL)

Sec: 36 Twp: 4N Rng: 68W Footage at BHL: 1335 FSL 1115 FEL

FNL/FSL 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? Yes No

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: 06/30/2022

Comments: WOGLA#: 1041WOGLA21-0026
Approved on: 06/30/2022

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

Surface Owner of the land at this Well’s Oil and Gas Location: Fee State Federal Indian

Mineral Owner beneath this Well’s Oil and Gas Location: Fee State Federal Indian

Surface Owner Protection Bond (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):

- 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.)

Township 3 North, Range 67 West, 6th P.M.
 Section 4: Lot 1, S2NE (NE)
 Weld County, Colorado

Total Acres in Described Lease: 162 Described Mineral Lease is: Fee State Federal Indian
 Federal or State Lease # _____

SAFETY SETBACK INFORMATION

Distance from Well to nearest:

Building: 1996 Feet
 Building Unit: 1996 Feet
 Public Road: 2095 Feet
 Above Ground Utility: 2081 Feet
 Railroad: 5280 Feet
 Property Line: 219 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.

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	407-3374	3440	T3N67W;1:NW4;2:N2;3:N2;4:N2;5:N2;6:N2;T 3N-68W;1:N2;T4N67W;31:S2;32:S2;33:S2;34:S2;T4N68W;36:E2SE4

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

Enter 5280 for distance greater than 1 mile.

SUBSURFACE MINERAL SETBACKS

Is this Well within a unit? Yes

If YES:

Enter the minimum distance from the Completed Zone of this Well to the Unit Boundary: 212 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: 308 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

DRILLING PROGRAM

Proposed Total Measured Depth: 19809 Feet TVD at Proposed Total Measured Depth 6926 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: 175 Feet No well belonging to another operator within 1,500 feet

Will a closed-loop drilling system be used? Yes

Is H₂S 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? Yes

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	ASTM A53 B	36.94	0	80	64	80	0
SURF	12+1/4	8+5/8	L80-IC	28	0	1899	620	1899	0
1ST	7+7/8	5+1/2	P110-ICY	17	0	19799	1785	19799	0

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	FOX HILLS	17	17	190	190	501-1000	USGS	DEPTH DATA FROM DWR
Confining Layer	PIERRE SHALE	191	191	413	413			
Groundwater	UPPER PIERRE AQUIFER	414	414	1290	1279	501-1000	Electric Log Calculation	CONTROLLED BY WATER SAMPLES
Confining Layer	PIERRE SHALE	1291	1280	4310	4107			
Hydrocarbon	SUSSEX	4311	4108	4534	4316			NON-PRODUCTIVE
Confining Layer	PIERRE SHALE	4535	4317	4853	4614			
Hydrocarbon	SHANNON	4854	4615	4925	4682			NON-PRODUCTIVE
Confining Layer	PIERRE SHALE	4926	4683	7499	6917			
Hydrocarbon	NIOBRARA	7502	6918	0	0			

OPERATOR COMMENTS AND SUBMITTAL

Comments

Below is information requesting to sidetrack the Camenisch 33-4HZ. If you have any questions or concerns, please let me know.

Well name and API #:
o CAMENISCH 33-4HZ
o 05-123-51906

Explanation of the situation that has resulted in the need to sidetrack

o While displacing cement from production casing, circulation was lost due to suspected annular rubber packing off around casing. This led to a portion of the lateral and the entirety of the curve and vertical sections to lack competent cement. To remediate this situation, production casing has been cut at 7,077' MD and recovered from the cut point to surface. A new wellbore is planned to be kicked off from the original wellbore at 6444' with the new lateral positioned 150' south of the original lateral. Oxy is requesting approval for this proposed sidetrack wellbore.

Total measured depth reached in the wellbore being plugged back

o 19,712' MD

Casing set – size(s) and measured depth(s)

o 8.625" surface casing set at 1886' MD
o 5.5" production casing set at 19684' with cut top at 7,077' MD

Description of fish in the hole (if any) – including top and bottom measured depths

o Partially cemented 5.5" original hole casing string – 19686' MD to 7,077' MD

Description of proposed plugs: setting measured depths, heights, and cement volumes

o 727' 17.0ppg kickoff plug
o Bottom: 6730' MD
o Top: 6103' MD
o Volume: 42.2bbbls

Type of cement to be used for all plugs, including slurry weight (ppg) and yield (cf/sk)

o Class G 17.0 ppg cement / 0.99 cf/sk

Measured depth of proposed sidetrack kick-off point

o 6444' MD

Proposed objective formation(s) for sidetrack hole – new or same as the wellbore being abandoned

o Same as original, permitted wellbore – Niobrara A

BHL target for sidetrack hole – new or same as the wellbore being abandoned

o Sidetrack lateral will be drilled 150' south of original hole
o Sidetrack BHL is 150' south of original BHL

This application is in a Comprehensive Area Plan No CAP #: _____
Oil and Gas Development Plan Name Democrat OGD OGD ID#: 482251
Location ID: 329899

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

Signed: _____ Print Name: DANE OLSON

Title: REGULATORY ANALYST Date: 7/15/2024 Email: DANE_OLSON@OXY.COM

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

ECMC Approved: _____ Director of ECMC Date: _____
Expiration Date: _____

API NUMBER 05 123 51906 01

CONDITIONS OF APPROVAL, IF ANY LIST

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.

<u>COA Type</u>	<u>Description</u>
0 COA	

Best Management Practices

<u>No</u>	<u>BMP/COA Type</u>	<u>Description</u>

ATTACHMENT LIST

<u>Att Doc Num</u>	<u>Name</u>
403854377	CORRESPONDENCE
403854393	DEVIATED DRILLING PLAN
403854419	DIRECTIONAL DATA
403854428	WELLBORE DIAGRAM

Total Attach: 4 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)