

FORM
2

Rev
05/22

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:

403115517

(SUBMITTED)

Date Received:

07/29/2022

APPLICATION FOR PERMIT TO

Drill Deepen Re-enter Recomplete and Operate

Amend

TYPE OF WELL OIL GAS COALBED OTHER: _____

Refile

ZONE TYPE SINGLE ZONE MULTIPLE ZONES COMMINGLE ZONES

Sidetrack

Well Name: Judy Well Number: 3-2-4L
 Name of Operator: CONFLUENCE DJ LLC COGCC Operator Number: 10518
 Address: 1125 17TH STREET #1550
 City: DENVER State: CO Zip: 80202
 Contact Name: Brittany Rothe Phone: (303)226-9519 Fax: ()
 Email: brothe@confluencelp.com

FINANCIAL ASSURANCE FOR PLUGGING, ABANDONMENT, AND RECLAMATION

COGCC Financial Assurance

The Operator has provided or will provide Financial Assurance to the COGCC for this Well.

Surety ID Number (if applicable): 20160056

Federal Financial Assurance

In checking this box, the Operator certifies that it has provided or will provide at least this amount of Financial Assurance to the federal government for this Well. (Per Rule702.a.)

Amount of Federal Financial Assurance \$ _____

WELL LOCATION INFORMATION

Surface Location

QtrQtr: SWSW Sec: 34 Twp: 1N Rng: 65W Meridian: 6

Footage at Surface: 770 Feet FNL 869 Feet FWL

Latitude: 40.002660 Longitude: -104.656450

GPS Data: GPS Quality Value: 1.3 Type of GPS Quality Value: PDOP Date of Measurement: 06/14/2022

Ground Elevation: 5141

Field Name: WATTENBERG Field Number: 90750

Well Plan: is Directional 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: 3 Twp: 1S Rng: 65W Footage at TPZ: 360 FNL 1720 FWL
Measured Depth of TPZ: 7994 True Vertical Depth of TPZ: 7499 FNL/FSL FEL/FWL

Base of Productive Zone (BPZ)

Sec: 10 Twp: 1S Rng: 65W Footage at BPZ: 610 FSL 1720 FWL

Measured Depth of BPZ: 17353 True Vertical Depth of BPZ: 7499 FNL/FSL FEL/FWL

Bottom Hole Location (BHL)

Sec: 10 Twp: 1S Rng: 65W Footage at BHL: 610 FNL 1720 FWL

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: 03/19/2018

Comments: The WOGLA was approved on 03/19/2018.

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.)

T1S R65W Sec. 3: N/2

Total Acres in Described Lease: 286 Described Mineral Lease is: Fee State Federal Indian

Federal or State Lease # _____

SAFETY SETBACK INFORMATION

Distance from Well to nearest:

Building: 1000 Feet
 Building Unit: 1200 Feet
 Public Road: 754 Feet
 Above Ground Utility: 1162 Feet
 Railroad: 5280 Feet
 Property Line: 452 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.)
CODELL	CODL	407-3338	1280	T1S-R65W Sec 3 & 10: 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: 360 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: 220 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 PROGRAMProposed Total Measured Depth: 17353 Feet TVD at Proposed Total Measured Depth 7499 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: 386 Feet No well belonging to another operator within 1,500 feetWill a closed-loop drilling system be used? YesIs 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? NoWill salt sections be encountered during drilling? NoWill salt based (>15,000 ppm Cl) drilling fluids be used? NoWill oil based drilling fluids be used? YesBOP 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	A52A	43	0	80	400	80	0
SURF	13+1/2	9+5/8	J55	36	0	2500	1190	2500	0
1ST	8+1/2	5+1/2	P110	20	0	17353	1880	17353	

 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	Upper Arapahoe	0	0	541	541	501-1000	DWR	
Groundwater	Lower Arapahoe	541	541	1197	1197	501-1000	DWR	
Groundwater	Laramie-Fox Hills	1197	1197	1428	1428	501-1000	USGS	Top & bottom depth from DWR
Groundwater	Upper Pierre	1428	1428	2282	2282	1001-10000	Other	COGCC: Upper Pierre Aquifer Water Quality Study, Project #2141
Confining Layer	Pierre Shale	2282	2282	4704	4666			
Hydrocarbon	Sussex	4704	4666	4983	4939			
Confining Layer	Pierre Shale	4983	4939	5449	5397			
Hydrocarbon	Shannon	5449	5397	5824	5766			
Confining Layer	Pierre Shale	5824	5766	7154	7066			
Subsurface Hazard	Sharon Springs	7154	7066	7166	7076			
Hydrocarbon	Niobrara	7166	7076	7763	7461			
Hydrocarbon	Codell	7763	7461	7994	7499			

OPERATOR COMMENTS AND SUBMITTAL

Comments

Distance from completed zone of this wellbore to nearest completed zone of an offset well within the same unit permitted or completed in the same formation was measured to the proposed Judy 3-7-1L in 2D.

Distance from the proposed wellbore to nearest existing or proposed wellbore belonging to another operator, including plugged wells was measured to the producing Kallsen 1-10 05-001-09470 Operated by Providence Operating LLC DBA POCO Operating.

This is a Form 2 Refile.

Changes to the original approved Form 2 are: Name change, top of productive interval, bottom hole location, total depth, casing and cement program.

The API numbers being used for these APD's are for permits that have been abandoned by Confluence.

This location has been built; therefore, an OGDP is not required.

This application is in a Comprehensive Area Plan No CAP #: _____
 Oil and Gas Development Plan Name _____ OGDP ID#: _____
 Location ID: 449244
 I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.
 Signed: _____ Print Name: Andrea Gross
 Title: Permit Agent Date: 7/29/2022 Email: agross@upstreampm.com

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 45928 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.

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

Best Management Practices

No	BMP/COA Type	Description
1	Drilling/Completion Operations	Logging: The Judy 3-4 (API No. 05-123-50294-00) well drilled on the pad was logged with an open-hole Resistivity Log and Gamma Ray Log from the kick-off point 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 measured-while-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 open-hole logs shall clearly state "No open-hole logs were run. The Judy 3-4 (API No. 05-123-50294-00) is the well in which open-hole logs were run."
2	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.

Total: 2 comment(s)

Attachment List

Att Doc Num	Name
403119078	WELL LOCATION PLAT
403119079	DEVIATED DRILLING PLAN
403119080	DIRECTIONAL DATA
403121977	OffsetWellEvaluations Data

Total Attach: 4 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.

