

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:

403050958

**(SUBMITTED)**

Date Received:

05/23/2022

## 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: East Sauls Creek 35 Well Number: 4-2  
 Name of Operator: SIMCOE LLC COGCC Operator Number: 10749  
 Address: 1199 MAIN AVE SUITE 101  
 City: DURANGO State: CO Zip: 81301  
 Contact Name: Gina Doerner Phone: (970)852-0082 Fax: ( )  
 Email: gina.doerner@ikavenergy.com

### RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 20200027

### WELL LOCATION INFORMATION

#### Surface Location

QtrQtr: NESE Sec: 34 Twp: 35N Rng: 6W Meridian: N  
 Footage at Surface: 1426 Feet FSL 972 Feet FEL  
 Latitude: 37.254223 Longitude: -107.509493  
 GPS Data: GPS Quality Value: 2.2 Type of GPS Quality Value: PDOP Date of Measurement: 10/10/2016  
 Ground Elevation: 7398  
 Field Name: \_\_\_\_\_ Field Number: \_\_\_\_\_

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: 34 Twp: 35N Rng: 6W Footage at TPZ: 1426 FSL 972 FEL  
 Measured Depth of TPZ: 2499 True Vertical Depth of TPZ: 2499 FNL/FSL FEL/FWL

Base of Productive Zone (BPZ)  
 Sec: 34 Twp: 35N Rng: 6W Footage at BPZ: 1426 FSL 972 FEL  
 Measured Depth of BPZ: 2669 True Vertical Depth of BPZ: 2669 FNL/FSL FEL/FWL

Bottom Hole Location (BHL)  
 Sec: 35 Twp: 35N Rng: 6W Footage at BHL: 1407 FSL 710 FEL  
FNL/FSL FEL/FWL

## LOCAL GOVERNMENT PERMITTING INFORMATION

County: LA PLATA

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.? No

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: \_\_\_\_\_ Date of Final Disposition: \_\_\_\_\_

Comments: \_\_\_\_\_

## 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 Financial Assurance (if applicable): Blanket Surety ID Number (if applicable): 20200026

### 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.)

See attached mineral lease map.

Total Acres in Described Lease: 2480 Described Mineral Lease is:  Fee  State  Federal  Indian

Federal or State Lease # COC17340

### SAFETY SETBACK INFORMATION

Distance from Well to nearest:

Building: 4864 Feet  
Building Unit: 4864 Feet  
Public Road: 896 Feet  
Above Ground Utility: 5280 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: 4082 Feet

### OBJECTIVE FORMATIONS

Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)
FRUITLAND COAL	FRLDC	112-267	480	SE/4 S.34 & S/2 S.35

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? No

If YES:

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

If NO:

Enter the minimum distance from the Completed Zone of this Well to the Lease Line of the described lease: 1407 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: 0 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: 8648 Feet TVD at Proposed Total Measured Depth 3360 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: \_\_\_\_\_ Feet  No well belonging to another operator within 1,500 feet

Will a closed-loop drilling system be used? Yes

Is H<sub>2</sub>S gas reasonably expected to be encountered during drilling operations at concentrations greater than or equal to 100 ppm? No If yes, attach an H<sub>2</sub>S 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? Yes

Will oil based drilling fluids be used? No

BOP Equipment Type:  Annular Preventor  Double Ram  Rotating Head  None

Beneficial reuse or land application plan submitted? No

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
SURF	16	13+3/8	J55	54	0	350	251	350	0
1ST	12+1/4	9+5/8	J55	36	0	2800	510	2800	0
2ND	8+3/4	5+1/2	P110	17	0	8647	1047	8647	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	ANIMAS	0	0	17	17	0-500	Produced Water Sample	
Groundwater	LOWER ANIMAS	17	17	1274	1274	501-1000	USGS	WRI 95-4190
Groundwater	KIRTLAND	1274	1274	1714	1714	1001-10000	USGS	WRI 95-4188
Hydrocarbon	FARMINGTON SANDSTONE	1714	1714	1899	1899			
Hydrocarbon	KIRTLAND SHALE LWR	1899	1899	2364	2364			
Hydrocarbon	FRUITLAND COAL	2364	2364	2499	2499			
Hydrocarbon	BAYFIELD	2499	2499	2549	2549			
Hydrocarbon	LEMON	2549	2549	2669	2669			
Hydrocarbon	PICTURED CLIFFS	2669	2669	3009	3009			

## OPERATOR COMMENTS AND SUBMITTAL

Comments: Although the East Sauls Creek 35 4-2 well will produce some gas from the Fruitland Coal, it is intended primarily as a dewatering well for East Sauls Creek 35 4-1 well. As a result, the goal is for these two wells to intersect near their toes either directly or indirectly. Since intersection of these two wells is an acceptable outcome, we have proposed a 0' distance between these well completions. Anti-collision evaluations will be conducted on all other portions of the wellbores to prevent unintended intersections or collisions. The distance of 0 ft noted in the Spacing & Formations tab was calculated from the multi-well plan looking at the plan view distance from the completed portion of this well to the East Sauls Creek 35 4-1 well.

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

Oil and Gas Development Plan Name \_\_\_\_\_ OGDID#: \_\_\_\_\_

Location ID: 325891

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

Signed: \_\_\_\_\_ Print Name: Amanda Blanchard

Title: Environmental Coordinator Date: 5/23/2022 Email: amanda.blanchard@ikavenergy

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: \_\_\_\_\_

<b>API NUMBER</b>
05 067 09994 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

<u>No</u>	<u>BMP/COA Type</u>	<u>Description</u>
1	Drilling/Completion Operations	An open-hole resistivity/gamma ray log was already run on the first well drilled on this pad (Yankee Federal B 1 – API 05-067-07127 – Doc ID 960790). The intermediate string for this well on the multi-well location will be logged with a cement bond log with cased-hole gamma-ray log from intermediate TD or the deepest depth possible using conventional wireline conveyance into the surface casing.
2	Drilling/Completion Operations	Anti-collision evaluation was performed. Offset wells are operated by SIMCOE.

Total: 2 comment(s)

### Attachment List

<u>Att Doc Num</u>	<u>Name</u>
403051630	MINERAL LEASE MAP
403051631	WELL LOCATION PLAT
403051632	WELLBORE DIAGRAM
403051634	DEVIATED DRILLING PLAN
403051635	DIRECTIONAL DATA
403056952	OffsetWellEvaluations Data

Total Attach: 6 Files

### General Comments

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

Total: 0 comment(s)

**Public Comments**

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

