

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
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DE	ET	OE	ES
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SUNDRY NOTICE

Submit a signed original. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full in Comments or provide as an attachment. Identify Well by API Number; identify Oil and Gas Location by Location ID Number; identify other Facility by Facility ID Number.

OGCC Operator Number: <u>10651</u>	Contact Name <u>Heather Mitchell</u>
Name of Operator: <u>VERDAD RESOURCES LLC</u>	Phone: <u>(720) 845-6917</u>
Address: <u>1125 17TH STREET SUITE 550</u>	Fax: <u>()</u>
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u>	Email: <u>regulatory@verdadresources.com</u>

FORM 4 SUBMITTED FOR:

Facility Type: WELL

API Number : 05- 123 51088 00 ID Number: 476965

Name: Timbro Number: 0101-13H

Location QtrQtr: Lot 2 Section: 1 Township: 9N Range: 59W Meridian: 6

County: WELD Field Name: WILDCAT

Oil & Gas Location(s) and Oil & Gas Development Plan (OGDP) Information

Location(s)
No Location

OGDP(s)
No OGDP

WELL LOCATION CHANGE OR AS-BUILT GPS REPORT

Change of Location for Well * As-Built GPS Location Report As-Built GPS Location Report with Survey

* Well Location Change requires a new Plat.

SURFACE LOCATION GPS DATA Data must be provided for Change of Surface Location and As Built Reports.

Latitude 40.786593 Longitude -103.924229

GPS Quality Value: 1.5 Type of GPS Quality Value: PDOP Measurement Date: 03/16/2018

Well Ground Elevation: 4937 feet (Required for change of Surface Location.)

WELL LOCATION CHANGE

Well plan is: HORIZONTAL (Vertical, Directional, Horizontal)

		FNL/FSL		FEL/FWL	
Change of Surface Footage From:		<u>356</u>	<u>FNL</u>	<u>1977</u>	<u>FEL</u>
Change of Surface Footage To:		<u>316</u>	<u>FNL</u>	<u>1913</u>	<u>FEL</u>
Current Surface Location From	QtrQtr <u>Lot 2</u> Sec <u>1</u>	Twp <u>9N</u>	Range <u>59W</u>	Meridian <u>6</u>	
New Surface Location To	QtrQtr <u>Lot 2</u> Sec <u>1</u>	Twp <u>9N</u>	Range <u>59W</u>	Meridian <u>6</u>	
Change of Top of Productive Zone Footage From:		<u>300</u>	<u>FNL</u>	<u>1231</u>	<u>FEL</u>
Change of Top of Productive Zone Footage To:		<u>300</u>	<u>FNL</u>	<u>1231</u>	<u>FEL</u> **
Current Top of Productive Zone Location	Sec <u>1</u>	Twp <u>9N</u>	Range <u>59W</u>		
New Top of Productive Zone Location	Sec <u>1</u>	Twp <u>9N</u>	Range <u>59W</u>		

Change of **Base of Productive Zone** Footage **From:**

FNL

FEL

Change of **Base of Productive Zone** Footage **To:**

300 FSL

1224 FEL **

Current **Base of Productive Zone** Location

Sec

Twp

Range

New **Base of Productive Zone** Location

Sec

Twp

Range

Change of **Bottomhole** Footage **From:**

300 FSL

1224 FEL

Change of **Bottomhole** Footage **To:**

210 FSL

1224 FEL **

Current **Bottomhole** Location

Sec

Twp

Range

** attach deviated drilling plan

New **Bottomhole** Location

Sec

Twp

Range

SAFETY SETBACK INFORMATION

Required for change of Surface Location.

Distance from Well to nearest:

Building: 2969 Feet
 Building Unit: 5280 Feet
 Public Road: 286 Feet
 Above Ground Utility: 434 Feet
 Railroad: 5280 Feet
 Property Line: 316 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.

SUBSURFACE MINERAL SETBACKS

Required for change of Top and/or Base of Productive Zone. 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: 300 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: 448 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. _____

LOCATION CHANGE COMMENTS

CHANGE OR ADD OBJECTIVE FORMATION AND/OR SPACING UNIT

Objective Formation	Formation Code	Spacing Order Number	Unit Acreage	Unit Configuration	Add	Modify	No Change	Delete
NIOBRARA	NBRR	535-1270	640	Sec. 1:All	X			

Comments:

ENGINEERING AND ENVIRONMENTAL WORK

NOTICE OF CONTINUED TEMPORARILY ABANDONED STATUS

Indicate why the well is temporarily abandoned and describe future plans for utilization in the COMMENTS box below, as required by Rule 434.b.(3).

Date well temporarily abandoned _____
Has Production Equipment been removed from site? _____
Mechanical Integrity Test (MIT) required. Date of last MIT _____

TECHNICAL ENGINEERING AND ENVIRONMENTAL WORK

Details of work must be described in full in the COMMENTS below or provided as an attachment.

NOTICE OF INTENT/REQUEST FOR APPROVAL Approximate Start Date 10/08/2021
 SUBSEQUENT REPORT Date of Activity _____

- Bradenhead Plan
- Change Drilling Plan
- Gross Interval Change
- Underground Injection Control
- Request approval of Reuse and Recycling Plan per Rule 905.a.(3). (Reuse and Recycling Plan must be attached.)
- Request approval of Alternative Sampling Plan per Rule 909.j.(6). for this Pit. (Alternative Sampling Program must be attached.)
- Other
- Venting or Flaring (Rule 903)
- Repair Well
- E&P Waste Mangement
- Beneficial Reuse of E&P Waste

Request that an existing produced water sample from the same formation be used per Rule 909.j.(6) to meet the requirements of Rule 909.j.(1)-(5) for this Well.

Pit ID _____ Pit Name _____
(No Sample Provided)

Subsequent well operations with heavy equipment (Rule 312)
(No Well Provided)

COMMENTS:

Change SHL and BHL location

CASING PROGRAM

<u>Casing Type</u>	<u>Size of Hole</u>	<u>Size of Casing</u>	<u>Grade</u>	<u>Wt/Ft</u>	<u>Csg/Liner Top</u>	<u>Setting Depth</u>	<u>Sacks Cmt</u>	<u>Cmt Btm</u>	<u>Cmt Top</u>
CONDUCTOR	26	16	ASTM	65	0	80	70	80	0
SURF	13+1/2	9+5/8	J55	36	0	1617	439	1617	0
1ST	8+1/2	5+1/2	P110	20	0	11302	1510	11302	0

POTENTIAL FLOW AND CONFINING FORMATIONS

<u>Zone Type</u>	<u>Formation /Hazard</u>	<u>Top M.D.</u>	<u>Top T.V.D.</u>	<u>Bottom M.D.</u>	<u>Bottom T.V.D.</u>	<u>TDS (mg/L)</u>	<u>Data Source</u>	<u>Comment</u>
Groundwater	Alluvial Fill	0	0	205	205	0-500	USGS	TDS from sample sites USGS-404200104042401 (836 mg/mL), USGS-410223104065901 (369mg/mL)
Groundwater	Fox Hills	205	205	524	524	0-500	USGS	TDS from sample sites USGS-410233104093201 (384mg/mL)
Confining Layer	Pierre	524	524	1205	1194			
Groundwater	Upper Pierre Porosity	1205	1194	1559	1542	501-1000	Other	CO DNR Report Project Number 2141
Confining Layer	Pierre	1559	1542	3535	3482			
Hydrocarbon	Parkman	3535	3482	3946	3886			
Confining Layer	Pierre	3946	3886	4205	4140			
Hydrocarbon	Sussex	4205	4140	4534	4463			
Hydrocarbon	Shannon	4534	4463	5369	5283			
Confining Layer	Pierre	5369	5283	6034	5884			
Hydrocarbon	Sharon Springs	6034	5884	6115	5934			
Hydrocarbon	Niobrara	6115	5934	11302	6050			

H2S REPORTING

- Intentional release of H2S gas due to Upset Condition or malfunction.
- Intent to temporarily abandon well with potential H2S concentration >100 ppm.

Data Fields in this section are intended to document Sample and Location Data associated with the collection of a Gas Sample that is submitted for Laboratory Analysis.

Gas Analysis Report must be attached.

H2S Concentration: _____ in ppm (parts per million) Date of Measurement or Sample Collection _____

Description of Sample Point:

Absolute Open Flow Potential _____ in CFPD (cubic feet per day)

Description of Release Potential and Duration (If flow is not open to the atmosphere, identify the duration in which the container or pipeline would likely be opened for servicing operations.):

Distance to nearest occupied residence, school, church, park, school bus stop, place of business, or other areas where the public could reasonably be expected to frequent: _____

Distance to nearest Federal, State, County, or municipal road or highway owned and principally maintained for public use: _____

COMMENTS:

OIL & GAS LOCATION UPDATES

OGDP ID _____ OGDP Name _____

SITE EQUIPMENT LIST UPDATES

Indicate the number and type of major equipment components planned for use on this Oil and Gas Location:

Wells _____	Oil Tanks _____	Condensate Tanks _____	Water Tanks _____	Buried Produced Water Vaults _____
Drilling Pits _____	Production Pits _____	Special Purpose Pits _____	Multi-Well Pits _____	Modular Large Volume Tank _____
Pump Jacks _____	Separators _____	Injection Pumps _____	Heater-Treaters _____	Gas Compressors _____
Gas or Diesel Motors _____	Electric Motors _____	Electric Generators _____	Fuel Tanks _____	LACT Unit _____
Dehydrator Units _____	Vapor Recovery Unit _____	VOC Combustor _____	Flare _____	Enclosed Combustion Devices _____
Meter/Sales Building _____	Pigging Station _____	Vapor Recovery Towers _____		

OTHER PERMANENT EQUIPMENT UPDATES

OTHER TEMPORARY EQUIPMENT UPDATES

CULTURAL AND SAFETY SETBACK UPDATES

OTHER LOCATION CHANGES AND UPDATES

Provide a description of other changes or updates to technical information for this Location:

POTENTIAL OGDP UPDATES

PROPOSED CHANGES TO AN APPROVED OGDP

This Sundry Form 4 is being submitted pursuant to Rule 301.c to propose changes to an approved Oil and Gas Development Plan.

Check all boxes that pertain to the type(s) of changes being proposed for this OGDP:

- | | |
|--|--|
| <input type="checkbox"/> Add Oil and Gas Location(s) | <input type="checkbox"/> Add Drilling and Spacing Unit(s) |
| <input type="checkbox"/> Amend Oil and Gas Location(s) | <input type="checkbox"/> Amend Drilling and Spacing Unit(s) |
| <input type="checkbox"/> Remove Oil and Gas Location(s) | <input type="checkbox"/> Remove Drilling and Spacing Unit(s) |
| <input type="checkbox"/> Oil and Gas Location attachment or plan updates | <input type="checkbox"/> Amend the lands subject to the OGDP |
| <input type="checkbox"/> Other | |

Provide a detailed description of the changes being proposed for this OGDP. Attach supporting documentation such as maps if necessary.

Best Management Practices

No BMP/COA Type

Description

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

Operator Comments:

The closest well in the same formation is the Timbro Ranch 1-41-9-5 in 3D: See attached anti-collision marked other.

This well has a bottom-hole location beyond the unit boundary setback. The bottom of the completed interval will be within the unit boundary setback at 300' FSL and 1224' FEL of Section 1. The wellbore beyond the unit boundary setback will be physically isolated and will not be completed.

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

Signed: _____ Print Name: Heather Mitchell
Title: Regulatory Manager Email: regulatory@verdadresources.com Date: 10/15/2021

Based on the information provided herein, this Sundry Notice (Form 4) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: Wolfe, Stephen Date: 11/8/2021

CONDITIONS OF APPROVAL, IF ANY:

Condition of Approval

<u>COA Type</u>	<u>Description</u>
	Operator will ensure the wellbore beyond the unit boundary setback is physically isolated and is not completed. In the Operator Comments on the Form 5A the operator will (1) report the footages from the section lines of the bottom of the completed interval (2) describe how the wellbore beyond the unit boundary setback is physically isolated and (3) certify that none of the wellbore beyond the setback was completed.
	This sundry makes changes to the approved APD and shall be displayed along with the APD in the doghouse while this well is being drilled.

2 COAs

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Permitting review complete.	11/07/2021
Permit	Returned to draft per operator request.	10/07/2021
Engineer	Updated proposed_depth in well update.	08/24/2021

Total: 3 comment(s)

Attachment List

<u>Att Doc Num</u>	<u>Name</u>
402761309	SUNDRY NOTICE APPROVED-LOC-SFTY-STBK-OBJ-DRLG-CSG-DOC
402842271	DIRECTIONAL DATA
402842273	WELL LOCATION PLAT
402842275	DEVIATED DRILLING PLAN
402842280	OTHER
402864361	FORM 4 SUBMITTED

Total Attach: 6 Files