

State of Colorado
Energy & Carbon Management Commission

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404078249
Receive Date:
02/21/2025

Report taken by:
Krystal Heibel

Site Investigation and Remediation Workplan (Supplemental Form)

This form shall be submitted to the Director for approval prior to the initiation of site investigation and remediation activities. However, this shall not preclude the Operator from taking immediate action to protect public health or safety, the environment, wildlife, or livestock.

This Form 27 describes site conditions as currently understood by the Operator; approval of this Form 27 by ECMC is based on the site conditions accurately described herein; any changes in site conditions identified during or subsequent to the performance of the approved workplan may necessitate additional investigation or remediation which shall be described on a supplemental Form 27. This Form 27 is intended to provide basic information regarding the proposed site investigation and remediation actions, but the workplan may be more fully described in attached documentation.

Closure request is not available for an Initial Site Investigation and Remediation Workplan.

OPERATOR INFORMATION

Name of Operator: <u>OWN RESOURCES OPERATING LLC</u>	Operator No: <u>10699</u>	Phone Numbers Phone: <u>(970) 3323585</u> Mobile: <u>(713) 6287339</u>
Address: <u>305 S RIDGE STREET #6279</u>		
City: <u>BRECKENRIDGE</u>	State: <u>CO</u>	Zip: <u>80424</u>
Contact Person: <u>NIELS PHAF</u>	Email: <u>NIELS.PHAF@OWNRESOURCES.COM</u>	

PROJECT, PURPOSE & SITE INFORMATION

PROJECT INFORMATION

Remediation Project #: 17670 Initial Form 27 Document #: 402656569

PURPOSE INFORMATION

- Rule 913.c.(1): Pit or Cuttings Trench closure.
- Rule 913.c.(2): Buried or partially buried vessel closure, which will be by removal.
- Rule 913.c.(3): Remediation of Spill and Releases pursuant to Rule 912.
- Rule 913.c.(4): Land treatment of Oily Waste pursuant to Rule 905.e.
- Rule 913.c.(5): Closure of Centralized E&P Waste Management Facilities pursuant to Rule 907.h.
- Rule 913.c.(6): Remediation of impacted Groundwater pursuant to Rule 915.e.(3).D, and the contaminant concentrations in Table 915-1.
- Rule 913.c.(7): Investigation and remediation of natural gas in soil or Groundwater.
- Rule 913.c.(8): When requested by the Director due to any potential risk to soil, Groundwater, or surface water.
- Rule 913.c.(9): Decommissioning of Oil and Gas Facilities.
- Rule 913.g: Changes of Operator.
- Rule 915.b: Request to leave elevated inorganics in situ.
- Other: _____

SITE INFORMATION

Yes Multiple Facilities

Facility Type: <u>WELL</u>	Facility ID: _____	API #: <u>125-09479</u>	County Name: <u>YUMA</u>
Facility Name: <u>BARBER 34-8 5N46W</u>	Latitude: <u>40.411790</u>	Longitude: <u>-102.519310</u>	
** correct Lat/Long if needed: Latitude: _____		Longitude: _____	
QtrQtr: <u>SWSE</u>	Sec: <u>8</u>	Twp: <u>5N</u>	Range: <u>46W</u> Meridian: <u>6</u> Sensitive Area? <u>No</u>
Facility Type: <u>LOCATION</u>	Facility ID: <u>336838</u>	API #: _____	County Name: <u>YUMA</u>
Facility Name: <u>BARBER-65N46W 8SWSE</u>	Latitude: <u>40.411790</u>	Longitude: <u>-102.519310</u>	
** correct Lat/Long if needed: Latitude: _____		Longitude: _____	
QtrQtr: <u>SWSE</u>	Sec: <u>8</u>	Twp: <u>5N</u>	Range: <u>46W</u> Meridian: <u>6</u> Sensitive Area? <u>Yes</u>

Facility Type: LOCATION Facility ID: 467875 API #: _____ County Name: YUMA
 Facility Name: Barber 34-08 Latitude: 40.411472 Longitude: -102.511703
 ** correct Lat/Long if needed: Latitude: _____ Longitude: _____
 QtrQtr: SWSE Sec: 8 Twp: 5N Range: 46W Meridian: 6 Sensitive Area? No

Facility Type: OFF-LOCATION FLOWLINE Facility ID: 467894 API #: _____ County Name: YUMA
 Facility Name: Wellhead Line 34-08 Latitude: 40.411472 Longitude: -102.511703
 ** correct Lat/Long if needed: Latitude: _____ Longitude: _____
 QtrQtr: SWSE Sec: 8 Twp: 5N Range: 46W Meridian: 6 Sensitive Area? No

SITE CONDITIONS

General soil type - USCS Classifications SM Most Sensitive Adjacent Land Use non irrigated farm ground
 Is domestic water well within 1/4 mile? No Is surface water within 1/4 mile? Yes
 Is groundwater less than 20 feet below ground surface? No

Other Potential Receptors within 1/4 mile

Location is in Designated Groundwater Management Area and Designated Basin, Groundwater depth>150FT. (according to water well records, the static water level was 175 feet when water well was drilled in 1973. The domestic well is located less than 1/2 mile away. No high priority habitat. There is a seasonal intermitted river stream ~960 feet away.

SITE INVESTIGATION PLAN

TYPE OF WASTE:

- E&P Waste Other E&P Waste Non-E&P Waste
- Produced Water Workover Fluids
- Oil Tank Bottoms
- Condensate Pigging Waste
- Drilling Fluids Rig Wash
- Drill Cuttings Spent Filters
- Pit Bottoms
- Other (as described by EPA) _____

DESCRIPTION OF IMPACT

Impacted?	Impacted Media	Extent of Impact	How Determined
Yes	SOILS	Medium	Soil Analysis-Table 915-1

INITIAL ACTION SUMMARY

Description of initial action or emergency response measures take to abate, investigate, and/or remediate impacts associated with E&P Waste.

No initial action or emergency response measure required, this form is prepared for a planned P&A on April 15, 2021. Scope: location 467875 with the wellhead of the Barber 34-08, an off location flowline abandoned in place (in 2023) and shared meter shed location 336838 shared with the well Barber 44-08 that is currently producing and will not be removed. The off location flowline was cut and capped and abandoned in placed on June 23, 2021 Form 44-03059157.

PROPOSED SAMPLING PLAN

Proposed Soil Sampling

Will soil samples be collected as part of this investigation? (Number, type (grab/composite), analyses, and locations of samples):

The well was P&Ad in 2021. In July 2021, based on location, flowline and excavations screening four soil samples were collected from the wellhead, waterline, gas riser, and meter shed. Samples were not tested against the full Table 915-1 but were analyzed for EC, SAR, pH, and Boron. The results indicated elevated EC at the wellhead (6.65 mmhos) and elevated SAR at both the wellhead (44.50) and waterline (58.60). To assess improvements, three locations were resampled in November 2024, the wellhead, off-location flowline riser, and a background. The EC at the wellhead showed significant improvement, decreasing to (0.16 mmhos), while the SAR remained elevated but dropped to 18.70. pH levels remained similar or slightly higher compared to the previous samples. These samples were analyzed against the full Table 915-1. However, Summit Scientific ran the analysis outside the recommended hold time but do give a good indication. We will use these samples in the remainder of this Form 27S.

Proposed Groundwater Sampling

Will groundwater samples be collected as part of this investigation? (Number, analyses, and locations of samples):

No ground water present

Proposed Surface Water Sampling

Will surface water samples be collected as part of this investigation? (Number, analyses, and locations of samples):

No surface water present

Additional Investigative Actions

Additional alternative investigative actions described in attached Site Investigation Plan (summary):

Confirming samples will be completed late 2025 against full Table 915-1

SITE INVESTIGATION REPORT

SAMPLE SUMMARY

Soil

NA / ND

Number of soil samples collected 3

ND Highest concentration of TPH (mg/kg) _____

Chemical oxidation
 Air sparge / Soil vapor extraction
Yes Natural Attenuation
Yes Other Gypsum after decompacting

If Yes: Estimated Volume (Cubic Yards) _____
Name of Licensed Disposal Facility or ECMC Facility ID # _____
 Excavate and onsite remediation
 Land Treatment
 Bioremediation (or enhanced bioremediation)
 Chemical oxidation
 Other _____

Groundwater Remediation Summary

Bioremediation (or enhanced bioremediation)
 Chemical oxidation
 Air sparge / Soil vapor extraction
 Natural Attenuation
 Other _____

GROUNDWATER MONITORING

If groundwater has been impacted, describe proposed monitoring plan, including # of wells or sample points, monitoring schedule, analytical methods, points of compliance. Attach a groundwater monitoring location diagram.

REMEDIATION PROGRESS UPDATE

PERIODIC REPORTING

Approved Reporting Schedule:

Quarterly Semi-Annually Annually Other _____

Request Alternative Reporting Schedule:

Semi-Annually Annually Other _____

Rule 913.e:

After initial approval of a Form 27, the Operator will provide quarterly update reports in a Supplemental Form 27 to document progress of site investigation and remediation, unless an alternative reporting schedule has been requested by the Operator and approved by the Director. The Director may request a more frequent reporting schedule based on site-specific conditions.

Report Type: Groundwater Monitoring Land Treatment Progress Report O&M Report
 Other _____

Adequacy of Operator's General Liability Insurance and Financial Assurance

Describe the adequacy of the Operator's general liability insurance and Financial Assurance to fully address the anticipated costs of Remediation, including the estimated remaining cost for this project (below).

If this information has been provided on a Form 27 within the last 12 months, provide the Document Number of that form.

Own Resources Operating is following the minimum insurance requirements of Rule 705.b and these insurances are registered with the ECMC as per Rules 705.d and 705.e. The ECMC requires a minimum of \$5M of liability coverage, which exceeds Remediation Costs. We also have an approved assurance plan Option 5

Operator anticipates the remaining cost for this project to be: \$ 750 _____

WASTE DISPOSAL INFORMATION

Was E&P waste generated as part of this remediation? _____

Describe beneficial use, if any, of E&P Waste derived from this remediation project:

Volume of E&P Waste (solid) in cubic yards _____

E&P waste (solid) description _____

ECMC Disposal Facility ID #, if applicable: _____

Non-ECMC Disposal Facility: _____

Volume of E&P Waste (liquid) in barrels _____

E&P waste (liquid) description _____

ECMC Disposal Facility ID #, if applicable: _____

Non-ECMC Disposal Facility: _____

REMEDIATION COMPLETION REPORT

REMEDIATION COMPLETION SUMMARY

Is this a Final Closure Request for this Remediation Project? No _____

If YES:

Compliant with Rule 913.h.(1).

Compliant with Rule 913.h.(2).

Compliant with Rule 913.h.(3).

Do all soils meet Table 915-1 standards? _____

Does the previous reply indicate consideration of background concentrations? _____

Does Groundwater meet Table 915-1 standards? _____

Is additional groundwater monitoring to be conducted? _____

Operator shall comply with the ECMC 1000-Series Reclamation Requirements for all impacted and disturbed areas.

RECLAMATION PLAN

RECLAMATION PLANNING

Describe reclamation plan. Discuss existing and new grade recontouring; method and testing of compaction alleviation; and reseeding program, including location of new seed, seed mix and noxious weed prevention. Attach diagram or drawing.

This well was plugged and abandoned (P&A) in April 2021 and flowline was cut and capped in June 2021. All equipment was removed in 2021. Location was recontoured. Nothing was done beyond equipment removal at the meter shed location since it is a shared location. Well head location was decompacted, strawed and reseeded, with approved seeds in 2023. In a location inspection in November 2024 pictures show an estimated overall vegetation regrowth at approximately 80% ground cover, with perennial coverage at around 15%. In Qrt.-1 2025, gypsum will be applied at the well site to drive down the salt content in the ground. The access road also shows ~80% regrowth, and the operator will continue monitoring its progress.

Is the described reclamation complete? No

Does the reclamation described herein constitute interim or final reclamation of the Oil and Gas Location?

Interim

Final

Did the Surface Owner provide the seed mix? No

If YES, does the seed mix comply with local soil conservation district recommendations? _____

Did the local soil conservation district provide the seed mix? Yes

SITE RECLAMATION DATES

Proposed date of commencement of Reclamation. 06/23/2021

Proposed date of completion of Reclamation. 07/31/2026

IMPLEMENTATION SCHEDULE

Per Rule 913.d.(2): Any change from the approved implementation schedule will be requested at least 14 days in advance, and the Operator may not make the change without the Director's approval.

PRIOR DATES

Date of Surface Owner notification/consultation, if required. 11/28/2021

Actual Spill or Release date, or date of discovery. _____

SITE INVESTIGATION DATES

Date of Initial Actions described in Site Investigation Plan (start date). 04/15/2021

Proposed site investigation commencement. 04/15/2021

Proposed completion of site investigation. 12/31/2025

REMEDIAL ACTION DATES

Proposed start date of Remediation. 06/23/2021

Proposed date of completion of Remediation. 01/01/2026

Per Rule 913.d.(2): Any change from the approved implementation schedule will be requested at least 14 days in advance, and the Operator may not make the change without the Director's approval.

Change from approved implementation schedule per Rule 913.d.(2).

Basis for change in implementation schedule:

Several milestones had not been populated in previous submittals. Soil samples collected last Qrt. 2024 added additional information.

OPERATOR COMMENT

Operator addressed the COA's listed in Document #403275891 as follows:
 COA#1 - Form 44 Doc#403059157, filed to comply with Rule 1105.e.(6) and 1105.f.(2)C.
 COA#2 - Flowline information added on the initial summary - Cut and Capped and abandoned in place 06/23/2021.
 COA#3 - Confirmation soil samples collected November 2024, analyzed to full table 915-1. Samples were originally taken / and in 2024 again after location, flow-line screening and excavation screening. Soil sample were taken from highest soil screen location, if soil screens showed no positive readings, soil sample were taken from highest visible stain location. If no visible staining, soil sample were taken at the highest potential impact areas. Also flow line was pressure tested.
 COA#4 - Wellhead area is being reclaimed following rule 1004; The shared meter shed with another PR well will not be reclaimed at this time
 COA#5 - Revised soil sample map is attached for review. See Map photobook.
 COA#6 - Also see COA#3; Field screening areas are shown on the Map Photobook attached. Samples tested against Full Table 915-1
 COA#7 - Updated site conditions to include all potential receptors.

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

Signed: AZUCENA TORRES

Title: REMEDATION & RECLAMATION

Submit Date: 02/21/2025

Email: AZUCENA.TORRES@OWNRESOURCES.COM

Based on the information provided herein, this Application for Site Investigation and Remediation Workplan complies with ECMC Rules and applicable orders and is hereby approved.

ECMC Approved: _____

Date: _____

Remediation Project Number: 17670

COA Type**Description**

0 COA	
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ATTACHMENT LIST

Upon approval, the approved Form 27 and all listed attachments will be indexed to the Remediation Project file. Only the approved Form 27 will also be indexed to the related Facilities.

Att Doc Num	Name
404078249	FORM 27 DENIED
404102442	PHOTO DOCUMENTATION
404102443	ANALYTICAL RESULTS
404102445	REMEDATION PROGRESS REPORT
404102447	SOIL SAMPLE LOCATION MAP
404102448	SOIL SAMPLE LOCATION MAP
404102453	ANALYTICAL RESULTS
404102454	ANALYTICAL RESULTS
404116060	FORM 27-SUPPLEMENTAL-SUBMITTED

Total Attach: 9 Files

General Comments

User Group	Comment	Comment Date
Environmental	The Laboratory Analytical PDF attached to this form indicates it has been altered after lab delivery. ECMC has not conducted a complete technical review of this form, data, or attachments but is denying this form.	03/05/2025

Total: 1 comment(s)