

State of Colorado  
Energy & Carbon Management Commission

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Document Number:  
404537169

Receive Date:

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Report taken by:

**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: OWN RESOURCES OPERATING LLC	Operator No: 10699	<b>Phone Numbers</b>
Address: 305 S RIDGE STREET #6279		Phone: (970) 5922793
City: BRECKENRIDGE State: CO Zip: 80424		Mobile: ( )
Contact Person: Niels Phaf	Email: niels.phaf@ownresources.com	

**PROJECT, PURPOSE & SITE INFORMATION**

**PROJECT INFORMATION**

Remediation Project #: 17696 Initial Form 27 Document #: 402654404

**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**

No  Multiple Facilities

Facility Type: SPILL OR RELEASE	Facility ID: 447096	API #: _____	County Name: YUMA
Facility Name: SPILL/RELEASE POINT	Latitude: 40.378040	Longitude: -102.533440	
** correct Lat/Long if needed: Latitude: _____		Longitude: _____	
QtrQtr: NENE	Sec: 30	Twp: 5N	Range: 46W Meridian: 6 Sensitive Area? Yes

**SITE CONDITIONS**

General soil type - USCS Classifications SM Most Sensitive Adjacent Land Use Dry land Farmground

Is domestic water well within 1/4 mile? No Is surface water within 1/4 mile? No

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; Ground water depth >150FT. The nearest water well is approx. 1/2 mile in the SENW/4 of Sec. 30 Permit #0006804-F. Nearest livestock are 1/2 mile away and the nearest house is approx. 3/8 mile to the NW.

**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	moderate	soil analysis

**INITIAL ACTION SUMMARY**

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

This is a spill/release from 7/28/2016 (Form 19 Doc#401085535 7/28/2016). The initial incident description is as follows: Approx. 8-10 bbls. No surface water. It was a small pin hole in a fuse, the leak was isolated with valves and a vac truck was used to remove all remaining water out of the flowline. We replaced the damaged fuse on the 1" line with a shark bite fitting. The line will stay idol until we can pressure test it early next week. Normal operating pressure on this line is 60 psig and will be tested at a pressure exceeding 100 psig.

**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 ):

Four samples taken in 2016 based on surface extend of 12' x 60' and vertical extend of around 1.5ft. However not tested versus full Table 915-1; In November 2024 the effected area had reduced to 8'x30' and 3 new soil samples were taken of the most effected, two samples in the spill area and one background sample and fully analyzed against Table 915-1; however, had holding time issues and resulted in Denied Form 27S 404077541. In January 2026 we resampled with three samples - 2 in the highest impact leak areas and one in the background

**Proposed Groundwater Sampling**

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

No ground water observed

**Proposed Surface Water Sampling**

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

No surface water observed

**Additional Investigative Actions**

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

# SITE INVESTIGATION REPORT

## SAMPLE SUMMARY

### Soil

Number of soil samples collected 3  
Number of soil samples exceeding 915-1 3  
Was the areal and vertical extent of soil contamination delineated? Yes  
Approximate areal extent (square feet) 750

### NA / ND

-- Highest concentration of TPH (mg/kg) 200  
-- Highest concentration of SAR 9.46  
BTEX > 915-1 No  
Vertical Extent > 915-1 (in feet) 2

### Groundwater

Number of groundwater samples collected 0  
Was extent of groundwater contaminated delineated? No  
Depth to groundwater (below ground surface, in feet) \_\_\_\_\_  
Number of groundwater monitoring wells installed \_\_\_\_\_  
Number of groundwater samples exceeding 915-1 \_\_\_\_\_

\_\_\_\_ Highest concentration of Benzene (µg/l) \_\_\_\_\_  
\_\_\_\_ Highest concentration of Toluene (µg/l) \_\_\_\_\_  
\_\_\_\_ Highest concentration of Ethylbenzene (µg/l) \_\_\_\_\_  
\_\_\_\_ Highest concentration of Xylene (µg/l) \_\_\_\_\_  
\_\_\_\_ Highest concentration of Methane (mg/l) \_\_\_\_\_

### Surface Water

0 Number of surface water samples collected  
\_\_\_\_\_ Number of surface water samples exceeding 915-1  
If surface water is impacted, other agency notification may be required.

## OTHER INVESTIGATION INFORMATION

Were impacts to adjacent property or offsite impacts identified?

Were background samples collected as part of this site investigation?

One background sample was taken and analyzed to table 915-1. Lab results show low PH of 5.88 and elevated Arsenic at 1.91 mg/kg. Most background samples in this region are elevated versus table 915.1, showing that arsenic is a naturally occurring element in this region

Was investigation derived waste (IDW) generated as part of this investigation?

Volume of solid waste (cubic yards) \_\_\_\_\_ Volume of liquid waste (barrels) \_\_\_\_\_

Is further site investigation required?

## REMEDIAL ACTION PLAN

Does this Supplemental Form 27A include changes to a previously approved Remedial Action Plan? Yes

### SOURCE REMOVAL SUMMARY

Describe how source is to be removed.

Looking at the recent lab results:  
1. All samples had elevated arsenic including background ranging from 2.37 to 2.45 with background at 1.91 mg/kg. This seems to be a common in our region, showing natural occurrence  
2. SARs coming down since 2024 from the 20s to 9.46 in sample 1 and meeting table 915-1 in sample 2 Remediation; Since 2014 treatment - see picture book - you can see that progress also in the regrowth

### REMEDIATION SUMMARY

Describe how remediation of existing impacts to soil and groundwater is to be accomplished (i.e. summarize remedial action plan). Provide a brief narrative description including: technical justification, schedule for implementation, estimated time to attain NFA status, plus plans and specifications for the selected remedial action technology.

Current remediation methods follow recommendations from a local agronomist, for the type of soil and land use in the area: the leak area will be treated this time with RECLAIM to finalize the SAR reduction in Q12026. We are requesting NFE for arsenic with samples at 2.37 to 2.45 and background at 1.91 mg/kg. This seems to be a common in our region, showing natural occurrence

We will take final resample in the same spots and test against Soil Suitability only in January 2027

### **Soil Remediation Summary**

**In Situ**

\_\_\_\_\_ Bioremediation ( or enhanced bioremediation )

\_\_\_\_\_ Chemical oxidation

\_\_\_\_\_ Air sparge / Soil vapor extraction

\_\_\_\_\_ Natural Attenuation

Yes \_\_\_\_\_ Other \_\_\_\_\_ RECLAIM \_\_\_\_\_

**Ex Situ**

\_\_\_\_\_ Excavate and offsite disposal

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 under option 5.

Operator anticipates the remaining cost for this project to be: \$ 500 \_\_\_\_\_

## 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.

We have not taken aggressive action on this location over the years, we have made some progress since effected location has shrunk from 12'x60' in 2016 to around 8'x30' on November 2024; However treatment in 2024 with gypsum shows good significant shrinking the impacted area. The farmer continuous to farm the area; In Q12026 we will apply RECLAIM one more time and then monitor growth, noxious weeds and erosion for two seasons. All reclamation activities will be conducted in accordance with ECMC Rule 1003.

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? Yes

If YES, does the seed mix comply with local soil conservation district recommendations? No

Did the local soil conservation district provide the seed mix? \_\_\_\_\_

### SITE RECLAMATION DATES

Proposed date of commencement of Reclamation. 08/30/2016

Proposed date of completion of Reclamation. 07/01/2027

## 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. 07/26/2016

Actual Spill or Release date, or date of discovery. 07/26/2016

### SITE INVESTIGATION DATES

Date of Initial Actions described in Site Investigation Plan (start date). 07/26/2016

Proposed site investigation commencement. \_\_\_\_\_

Proposed completion of site investigation. 01/20/2026

### REMEDIAL ACTION DATES

Proposed start date of Remediation. 07/26/2016

Proposed date of completion of Remediation. 12/30/2026

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:

Milestones were not populated and new sample information provided additional insights on next steps

**OPERATOR COMMENT**

This Form 27S is an update to the Denied Form 27S 404077541 which had holding time issues for its samples. We resampled

Operator addressed the COA's listed in Document #403694343 as follows:

COA #1 - Soil Sample Location Map submitted in attachments which meets all requirements

COA#2 - Confirmation samples collected on January 2026 fully tested against Table 915-1. See sample photo book attached

COA#3 - Operator Sample Summary prepared and submitted in attachments, as well as lab analysis details

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

Signed: Azucena Torres

Title: Remediation Admin

Submit Date: \_\_\_\_\_

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: 17696

**COA Type****Description**

0 COA	

**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**

404537171	SOIL SAMPLE LOCATION MAP
404537172	ANALYTICAL RESULTS
404537173	PHOTO DOCUMENTATION
404537174	ANALYTICAL DATA SUMMARY TABLE(S)

Total Attach: 4 Files

**General Comments****User Group****Comment****Comment Date**

		Stamp Upon Approval
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Total: 0 comment(s)