

State of Colorado  
Energy & Carbon Management Commission

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404288993  
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08/29/2025  
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 ECOM 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>OMIMEX PETROLEUM INC</u>	Operator No: <u>66190</u>	Phone Numbers Phone: <u>(303) 894-2100</u> Mobile: <u>(303) 905-5341</u>
Address: <u>100 CRESCENT CT SUITE700-#5528</u>		
City: <u>DALLAS</u>	State: <u>TX</u>	Zip: <u>75201</u>
Contact Person: <u>James Hix - East OWP EPS</u>	Email: <u>james.hix@state.co.us</u>	

PROJECT, PURPOSE & SITE INFORMATION

PROJECT INFORMATION

Remediation Project #: 40589 Initial Form 27 Document #: 404213158

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: Gas Well Emergency Plugging and Abandonment

SITE INFORMATION

No  Multiple Facilities

Facility Type: <u>WELL</u>	Facility ID: _____	API #: <u>125-09958</u>	County Name: <u>YUMA</u>
Facility Name: <u>BLEDSOE 10-19-5-44</u>	Latitude: <u>40.387714</u>	Longitude: <u>-102.309333</u>	
** correct Lat/Long if needed: Latitude: _____		Longitude: _____	
QtrQtr: <u>NWSE</u>	Sec: <u>19</u>	Twps: <u>5N</u>	Range: <u>44W</u> Meridian: <u>6</u> Sensitive Area? <u>No</u>

SITE CONDITIONS

General soil type - USCS Classifications SM Most Sensitive Adjacent Land Use Rangeland  
Is domestic water well within 1/4 mile? Yes 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**

There is one DWR Permitted Water Well located w/in 1/4 mile. DWR Permit #31513- Receipt #9069339 (Livestock 1968) [DTW = 89 ft bgs, Top of Perf Casing = 113 ft bgs, TD = 125 ft bgs, ~630 ft SE]; Est depth to groundwater = 89 ft bgs. There are no mapped surface water bodies and no NWI Mapped wetlands within 1/4 mile. There are no residential building units (RBU) within 1/4 mile. The Location lies within CPW mapped high priority habitat (HPH): Greater Prairie Chicken Lek Site (Rule 1202.c) and Greater Prairie Chicken Production Area (Rule 1202.d)

**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
UNDETERMINED	SOILS	UNKNOWN	VISUALLY, FIELD SCREENING, ANALYTICAL

**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 oil and gas Location is in the Colorado ECMC Orphaned Well Program (OWP). This Form 27 Supplemental presents results for the decommissioning of Oil and Gas Facilities, specifically cut and cap sampling activities following emergency plugging and abandonment (PA) of the well. Field screening were performed of the four sidewalls and base of the wellhead excavation to investigate for evidence of E&P Waste impacts. Soil samples were submitted to an accredited environmental laboratory for analysis of Table 915-1 parameters from the excavation sidewall soils that exhibit E&P Waste impact; or from the expected downgradient sidewall in the absence of E&P Waste impact; and from the base of the excavation. Soil samples were collected and analyzed in accordance with Colorado ECMC 900 Series Rules.

**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 ):

Grab soil samples will be collected from areas most likely to exhibit E&P Waste impacts. Soil samples will be submitted for analysis of Table 915-1 parameters including organic compounds (TPH ranges C6-C36; BTEX; 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Naphthalene, PAH) and inorganic compounds (metals, soil suitability for reclamation).

**Proposed Groundwater Sampling**

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

Groundwater samples are not expected to be collected as part of this investigation. If encountered in sufficient quantity to enable sample collection, a grab groundwater sample or samples will be collected and submitted for analysis of organic compounds (BTEX; Naphthalene; 1,2,4-Trimethylbenzene; 1,3,5-Trimethylbenzene) and inorganic parameters (total dissolved solids (TDS), chloride ion, sulfate ion).

**Proposed Surface Water Sampling**

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

Surface water samples are not expected to be collected as part of this investigation.

**Additional Investigative Actions**

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

No additional alternative investigative actions are expected to be conducted as part of this site investigation.

**SITE INVESTIGATION REPORT**

## SAMPLE SUMMARY

### Soil

Number of soil samples collected 2  
Number of soil samples exceeding 915-1 2  
Was the areal and vertical extent of soil contamination delineated? No  
Approximate areal extent (square feet) 85

### NA / ND

-- Highest concentration of TPH (mg/kg) 737  
-- Highest concentration of SAR 18.7  
BTEX > 915-1 No  
Vertical Extent > 915-1 (in feet) 5

### 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?

Site-specific background samples were not collected as part of this site investigation. Site-specific background soil samples will be collected from undisturbed areas away from historic oil and gas facilities during a future OWP project. Background samples will be submitted to an accredited environmental laboratory for analysis of Table 915-1 metals and soil suitability for reclamation parameters.

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?

Further site investigation is required to delineate the lateral and vertical extent of E&P Waste impacts, specifically TPH concentrations (737 mg/kg) in the excavation floor soil sample, Sample ID #337245-WH-S1 at 5 ft bgs, arsenic (1.45 mg/kg and 1.65 mg/kg) reported above Table 915-1 residential soil screening levels (SSL). The pH (9.02 s.u.) reported in floor soil sample, 337245-WH-S1 at 5 ft, and SAR (13.9 and 18.7) reported above Table 915-1 in both the floor and sidewall soil sample, 337245-NW-S2 at 3 ft bgs were reported above the Table 915-1 SAR soil suitability for reclamation level of < 6. Site-specific background metals concentrations and soil suitability for reclamation parameters need to be assessed.

## REMEDIAL ACTION PLAN

Does this Supplemental Form 27A include changes to a previously approved Remedial Action Plan? No

## SOURCE REMOVAL SUMMARY

Describe how source is to be removed.

If E&P Waste impacts are encountered during decommissioning of Oil and Gas Facilities, approximately 10 cubic yards of impacted soils will be excavated, temporarily stockpiled on location, and hauled to a commercial disposal facility.

## REMEDICATION 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.

If E&P Waste impacted soils are encountered, approximately 10 cubic yards of the impacted soils will be excavated and removed. If the horizontal and vertical extent of the E&P Waste impacts cannot be defined or removed during this initial action, then additional site investigation and remediation will be performed at a later date under an approved supplemental Form 27. Site data will be evaluated and remediation technologies implemented to meet Table 915-1 soil residential screening levels, protection of groundwater screening levels, or Table 915-1 groundwater and WQCC Regulation 41 numeric and narrative levels as applicable to site conditions.

## Soil Remediation Summary

In Situ

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

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

A Form 27 Supplemental will be submitted within 90 days from the date results are received.

### 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.

This former OMIMEX PETROLEUM INC. gas well is in the ECMC Orphaned Well Program ("OWP"). The former Operator's bond and other funding will be used to plug and abandon (PA) the well; decommission, investigate, remediate, and reclaim the oil and gas Location.

Operator anticipates the remaining cost for this project to be: \$ 48400 \_\_\_\_\_

## 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.

The Colorado ECMC OWP will reclaim this oil and gas location in accordance with 1000 Series Rules including grading/recontouring of disturbed areas. The reclamation plan will be implemented under a separate scope of work. Final reclamation will be conducted per ECMC 1000 Series Rules and prioritized based on OWP ranking, project funding, and staff availability. The reclamation scope will include a plan to address and avoid any effect on reclamation from Table 915-1 inorganic and soil suitability for reclamation parameters.

Is the described reclamation complete? \_\_\_\_\_

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? \_\_\_\_\_

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

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

### SITE RECLAMATION DATES

Proposed date of commencement of Reclamation. \_\_\_\_\_

Proposed date of completion of Reclamation. \_\_\_\_\_

## 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. 04/25/2025

Actual Spill or Release date, or date of discovery. \_\_\_\_\_

### SITE INVESTIGATION DATES

Date of Initial Actions described in Site Investigation Plan (start date). 05/14/2025

Proposed site investigation commencement. 05/15/2025

Proposed completion of site investigation. 05/29/2026

### REMEDIAL ACTION DATES

Proposed start date of Remediation. \_\_\_\_\_

Proposed date of completion of Remediation. \_\_\_\_\_

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:

\_\_\_\_\_

**OPERATOR COMMENT**

The OMIMEX PETROLEUM INC - 66190 BLEDSOE #10-19-5-44 gas well (API #05-125-09958) BLEDSOE-65N44W 19NWSE (Location ID #33725) is in the ECMC Orphaned Well Program ("OWP"). This well is part of an OWP emergency plugging and abandonment (PA) project. OWP personnel observed a section of tubing sticking up from the well. The well was plugged to maintain well control and to prevent potential spills/releases. Pre-plugging methane monitoring performed on 05/13/2025 detected leaks of 42 grams per hour (g/hr). Post-plugging methane monitoring performed on 05/29/2025 did not detect any leaks. Flowlines will be decommissioned by removal or abandonment-in-place following landowner consultation and Director approval. Groundwater is expected to lie at depths > 89 ft bgs. Soils consist of the Valent sand (Unit 43). This Form 27 Supplemental presents results of the cut and cap soil sampling following well plugging. Total petroleum hydrocarbons (TPH) (7.44 mg/kg) in sidewall soil sample, 337245-WH-NW-S2 at 3 ft were below the Table 915-1 cleanup concentration; however, the TPH (737 mg/kg) concentration in the floor soil sample, Sample ID #337245-WH-S1 at 5 ft was above the TPH 500 mg/kg Table 915-1 cleanup concentration. Concentrations of benzene, toluene, ethylbenzene, xylenes (BTEX); 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, naphthalene; and polycyclic aromatic hydrocarbon (PAH) compounds were not detected at or above the laboratory reporting limit. Arsenic (1.45 mg/kg and 1.65 mg/kg) was reported above the Table 915-1 Arsenic Residential soil screening level (SSL) of 0.68 mg/kg. Barium (96.4 mg/kg and 107 mg/kg) was reported above the Table 915-1 Protection of Groundwater SSL. Selenium (0.157 mg/kg and 0.216 mg/kg) and Cadmium (0.121 mg/kg) were detected at concentrations below the respective Table 915-1 Residential and Protection of Groundwater SSL. Results for pH (9.02 s.u.) were reported in the excavation floor sample, 337245-WH-S1 at 5 ft bgs above the Table 915-1 upper pH soil suitability for reclamation level of 8.3 s.u. Results for SAR (13.9 and 18.7) were reported above the Table 915-1 SAR level of < 6. Site-specific background soil samples will be collected from undisturbed areas away from historic oil and gas facilities during a future OWP project. Background soil samples will be analyzed for Table 915-1 metals and soil suitability for reclamation parameters to compare with the cut and cap soil results. Site investigation and remediation will proceed under Remediation Project #40589.

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

Signed: James Hix

Title: East OWP EPS

Submit Date: 08/29/2025

Email: james.hix@state.co.us

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: Krystal Heibel

Date: 01/14/2026

Remediation Project Number: 40589

**COA Type****Description**

	If a spill/release of produced fluids or E&P waste causes an impact from inorganic constituents to soil, OWP should perform sampling and analysis to fully delineate the lateral and vertical extent of those impacts.
	Arsenic concentrations in confirmation soil samples exceed the Table 915-1 Residential Soil Screening Level Concentrations. OWP will provide additional data to characterize arsenic concentrations at the site and to determine its source in the next quarterly report.
	The pH and SAR of soil samples collected at the Location exceeds the allowable level for Table 915-1 soil suitability for reclamation. Therefore, Operator will define the extent of soil with elevated pH and SAR, and if Operator proposes to leave soil with elevated pH and SAR in place, Operator will submit a Reclamation plan pursuant to Rule 915.b.
3 COAs	

**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.

<b>Att Doc Num</b>	<b>Name</b>
404288993	FORM 27-SUPPLEMENTAL-SUBMITTED
404337077	MONITORING REPORT
404337080	MONITORING REPORT
404337083	ANALYTICAL RESULTS
404337085	SITE INVESTIGATION REPORT

Total Attach: 5 Files

**General Comments**

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>
Environmental	ECMC approves OWP's request for use of Residential SSLs based on the depth to groundwater and the local lithology suggesting a pathway to groundwater at this location is not likely.	01/14/2026

Environmental	"Flowlines will be decommissioned by removal or abandonment-in-place following landowner consultation and Director approval."	01/14/2026
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Total: 2 comment(s)