

State of Colorado
Energy & Carbon Management Commission

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Document Number:
404288906
Receive Date:
08/11/2025

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
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>	Phone: <u>(303) 894-2100</u>
		Mobile: <u>(303) 905-5341</u>

PROJECT, PURPOSE & SITE INFORMATION

PROJECT INFORMATION

Remediation Project #: 40335 Initial Form 27 Document #: 404183557

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: Emergency Well Plugging and Abandonment

SITE INFORMATION

No Multiple Facilities

Facility Type: <u>WELL</u>	Facility ID: _____	API #: <u>125-09486</u>	County Name: <u>YUMA</u>
Facility Name: <u>BLEDSOE 7-6-5-44 (OWP)</u>	Latitude: <u>40.435060</u>	Longitude: <u>-102.308750</u>	
** correct Lat/Long if needed: Latitude: _____		Longitude: _____	
QtrQtr: <u>SWNE</u>	Sec: <u>6</u>	Twp: <u>5N</u>	Range: <u>44W</u>
Meridian: <u>6</u>	Sensitive Area? <u>No</u>		

SITE CONDITIONS

General soil type - USCS Classifications SP Most Sensitive Adjacent Land Use Rangeland, Cropland

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

There are no DWR Permitted Water Wells plotted within 1/4 mile. DWR Permit #14739-F Receipt #0006845 (Expired 1970 Irrigation) [Aquifer = Ogallala, ~2127 ft SW]; DWR Permit #14738-F Receipt #0017050 (Expired 1970) [Aquifer = Ogallala, ~1975 ft W]; DWR Permit #19754-FP Receipt #9068651 (Irrigation) ~3400 ft SW; DWR Permit #98744- Receipt #9054119 [DTW = 90 ft bgs, Top of Perf Casing = 190 ft bgs, TD = 220 ft bgs, ~2965 ft NW]; Est depth to groundwater = 90 ft bgs. There are no mapped surface water bodies or NWI Mapped Wetlands within 1/4 mile. There are no residential building units (RBU) within 1/4 mile. The Location lies within CPW Mapped HPH: 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 ECOM Orphaned Well Program ("OWP"). This Form 27 Supplemental presents the site investigation results for activities performed during decommissioning of Oil and Gas Facilities, specifically wellhead cut and cap sampling activities following emergency plugging and abandonment (PA) of the well. Field screening was performed of the four sidewalls and base of the wellhead excavation to investigate for evidence of E&P Waste impacts. Soil samples collected from the excavation sidewall soils that exhibited 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 were submitted to an accredited environmental laboratory for analysis of Table 915-1 parameters. Soil samples were collected and analyzed in accordance with Colorado ECOM 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) 110

NA / ND

-- Highest concentration of TPH (mg/kg) 5930

-- Highest concentration of SAR 25.3

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

0 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 investigation associated with emergency well plugging. Arsenic and barium were the only two Table 915-1 metals reportedly detected; however, the arsenic results are less than the Table 915-1 Residential soil screening levels (SSL) and barium results were reported below the Table 915-1 barium Protection of Groundwater SSL. The results for SAR and pH were reported above the Table 915-1 soil suitability for reclamation parameter levels for these parameters. Site-specific background soil samples will be collected from undisturbed areas away from historic oil and gas activities during a future OWP project.

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 define the lateral and vertical extent of total petroleum hydrocarbons, 5930 mg/kg reported in basal soil sample 336843 WH-S1 at 5 ft bgs. Concentrations of benzene, toluene, ethylbenzene, and xylenes (BTEX), 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, polycyclic aromatic hydrocarbon (PAH) compounds were not detected at or above Table 915-1 SSL. Naphthalene was reported at 0.0034 mg/kg. The results for arsenic (0.362 mg/kg and 0.456 mg/kg) were below residential SSL and barium (18 mg/kg and 27 mg/kg) were below the Table 915-1 Protection of Groundwater SSL. Other Table 915-1 metals were not detected. Results for pH (9.67 standard units (s.u.) and 9.24 s.u.) were above the Table 915-1 levels for pH (8.3 s.u.) and SAR (7.72 and 25.3) was above the SAR (<6) soil suitability for reclamation levels. The OWP requests using the Table 915-1 Residential SSL and consideration of site-specific background levels for these parameters.

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 E&P Waste impacted soils will be excavated, temporarily stockpiled on location, and hauled to a commercial disposal facility.

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.

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

Operator anticipates the remaining cost for this project to be: \$ 66500 _____

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). 04/25/2025

Proposed site investigation commencement. 05/12/2025

Proposed completion of site investigation. 05/30/2025

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 former OMIMEX PETROLEUM INC - 66190, BLEDSOE #7-6-5-44 (OWP) gas well (API #05-125-09486) BLEDSOE-65N44W 6SWNE (Location ID #336843) is in the ECMC Orphaned Well Program ("OWP"). This well was plugged and abandoned (PA) as part of an emergency OWP project. OWP staff observed a section of tubing sticking up from the well. The well was PA to maintain well control and prevent potential spills/releases. Pre-plugging methane monitoring reported emissions of 760 grams/hour. Post-plugging methane monitoring conducted at least 5 days after plugging reported that methane emissions were not detected. Groundwater is estimated at 90 feet bgs based on a review of DWR permitted water well records in the area. Soils consist of poorly graded sand overlying Tertiary Ogallala Formation bedrock.

This Form 27 presents results of the wellhead decommissioning and cut and cap sampling. Soils were observed and screened from the excavation sidewalls and base for evidence of E&P Waste. Soil samples collected from the sidewall that exhibited the highest degree of E&P Waste impact, or the expected downgradient sidewall in the absence of impacts, and the excavation base sample were submitted to an accredited environmental laboratory for analysis of full Table 915-1 parameters. The total petroleum hydrocarbon (TPH) results for basal soil sample, 336843-B-WH-S1 at 5 ft bgs, were reported at 5930 mg/kg, but TPH was not detected in sidewall soil sample, 336843-WH-NW-S2 at 5 ft bgs. Concentrations of benzene, toluene, ethylbenzene, xylenes (BTEX); 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and polycyclic aromatic hydrocarbon (PAH) compounds were not detected at or above the laboratory reporting limits in either soil sample. Naphthalene was detected at 0.0034 mg/kg in the basal soil sample slightly below the Table 915-1 naphthalene Protection of Groundwater SSL of 0.0038 mg/kg. Concentrations of arsenic were detected at concentrations (0.362 mg/kg and 0.456 mg/kg) below the Table 915-1 arsenic Residential Soil Screening Level (SSL) of 0.68 mg/kg and barium was detected at concentrations (18.0 mg/kg and 27.0 mg/kg) below the Table 915-1 barium Protection of Groundwater SSL of 82 mg/kg. Results for pH (9.67 s.u. and 9.24 s.u.) and sodium adsorption ratio (SAR) (7.72 and 25.3) were reported above Table 915-1 soil suitability for reclamation parameter levels for these parameters. Further site investigation, including collection of site-specific background samples, is required to delineate the lateral and vertical extent of E&P Waste impacts. The OWP requests using the Table 915-1 Residential SSL and consideration of site-specific pH and SAR levels. Site investigation and remediation will proceed under Remediation Project # 40335.

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: 08/11/2025

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: 01/08/2026

Remediation Project Number: 40335

COA Type**Description**

	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.
1 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**

404288906	FORM 27-SUPPLEMENTAL-SUBMITTED
404312281	ANALYTICAL RESULTS
404312282	MONITORING REPORT
404312283	MONITORING REPORT
404312285	SITE INVESTIGATION REPORT

Total Attach: 5 Files

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

Environmental	"Results for pH (9.67 s.u. and 9.24 s.u.) and sodium adsorption ratio (SAR) (7.72 and 25.3) were reported above Table 915-1 soil suitability for reclamation parameter levels for these parameters."	01/08/2026
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Total: 1 comment(s)