

State of Colorado Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

403096634

Receive Date:

09/01/2022

Report taken by:

Steven Arauza

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 COGCC 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>VISION ENERGY LLC</u>	Operator No: <u>10770</u>	Phone Numbers Phone: <u>(970) 5634000</u> Mobile: <u>()</u>
Address: <u>P O BOX 370</u>		
City: <u>IGNACIO</u> State: <u>CO</u> Zip: <u>81137</u>		
Contact Person: <u>Trish Harrison</u> Email: <u>trishharrison@eis-llc.com</u>		

PROJECT, PURPOSE & SITE INFORMATION

PROJECT INFORMATION

Remediation Project #: 21532 Initial Form 27 Document #: 402906374

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>PIT</u>	Facility ID: <u>113496</u>	API #: _____	County Name: <u>GARFIELD</u>
Facility Name: <u>W.T. SPEARS #1-28DF</u>	Latitude: <u>39.419097</u>	Longitude: <u>-108.449836</u>	
** correct Lat/Long if needed: Latitude: _____		Longitude: _____	
QtrQtr: <u>SENW</u>	Sec: <u>28</u>	Twp: <u>7S</u>	Range: <u>99W</u> Meridian: <u>6</u> Sensitive Area? <u>Yes</u>
Facility Type: <u>WELL</u>	Facility ID: _____	API #: <u>045-06288</u>	County Name: <u>GARFIELD</u>
Facility Name: <u>USA 1-28DF</u>	Latitude: <u>39.419850</u>	Longitude: <u>-108.447805</u>	
** correct Lat/Long if needed: Latitude: _____		Longitude: _____	
QtrQtr: <u>SENW</u>	Sec: <u>28</u>	Twp: <u>7S</u>	Range: <u>99W</u> Meridian: <u>6</u> Sensitive Area? <u>Yes</u>

Facility Type:	LOCATION	Facility ID:	322450	API #:		County Name:	GARFIELD
Facility Name:	USA-67S99W 28SENW			Latitude:	39.419827	Longitude:	-108.447996
				** correct Lat/Long if needed: Latitude:		Longitude:	
QtrQtr:	SENW	Sec:	28	Twp:	7S	Range:	99W
				Meridian:	6	Sensitive Area?	Yes

SITE CONDITIONS

General soil type - USCS Classifications CL
Most Sensitive Adjacent Land Use Range land/
Farm land

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

SITE INVESTIGATION PLAN

TYPE OF WASTE:

☐ E&P Waste
 ☐ Other E&P Waste
 ☒ Non-E&P Waste

☐ Produced Water
 ☐ Workover Fluids
 ☐ Wellhead

☐ 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	TBD	soil samples

INITIAL ACTION SUMMARY

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

N/A

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):

8 soil grab samples, will be collected from the location consisting of one (1) at the wellhead, one (1) in the middle of the Earthen pit, one (1) where the separator and dehydrator were placed. Additional sampling will occur below the area where a 50 barrel production tank was placed, as well as the start and end point of the flowline and the end point of the water lines. Areas below the separator, dehydrator and flowline/water lines will be field screened with a PID and/or Petroflag. If concentrations do not indicate a hydrocarbon presence, Maralex is requesting a reduced analyte list consisting of TPH/BTEX and Inorganics (SAR/EC/pH).

Proposed Groundwater Sampling

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

Proposed Surface Water Sampling

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

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 8

Number of soil samples exceeding 915-1 0

Was the areal and vertical extent of soil contamination delineated? _____

NA / ND

-- Highest concentration of TPH (mg/kg) 99

-- Highest concentration of SAR 1

BTEX > 915-1 No

Approximate areal extent (square feet) _____ 0

Vertical Extent > 915-1 (in feet) _____ 0

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 _____ 0

Number of groundwater samples exceeding 915-1 _____ 0

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?

☐ 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? No _____

SOURCE REMOVAL SUMMARY

Describe how source is to be removed.

Wellhead was cut off 3' below the surface and hauled off.

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.

At this time, there is no reason to suspect surface or subsurface soil impacts requiring remediation are present.

Soil Remediation Summary

☐ In Situ

☐ Ex Situ

_____ Bioremediation (or enhanced bioremediation)

_____ Chemical oxidation

_____ Air sparge / Soil vapor extraction

_____ Natural Attenuation

_____ Other _____

_____ Excavate and offsite disposal

_____ If Yes: Estimated Volume (Cubic Yards) _____

_____ Name of Licensed Disposal Facility or COGCC 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 Notice of Completion (NOC)

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.

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

WASTE DISPOSAL INFORMATION

Was E&P waste generated as part of this remediation? No

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

COGCC Disposal Facility ID #, if applicable:

Non-COGCC Disposal Facility:

Volume of E&P Waste (liquid) in barrels

E&P waste (liquid) description

COGCC Disposal Facility ID #, if applicable:

Non-COGCC Disposal Facility:

REMEDIATION COMPLETION REPORT

REMEDIATION COMPLETION SUMMARY

Is this a Final Closure Request for this Remediation Project? Yes

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? Yes

Does the previous reply indicate consideration of background concentrations? Yes

Does Groundwater meet Table 915-1 standards? Yes

Is additional groundwater monitoring to be conducted? _____

Operator shall comply with the COGCC 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.

Location will be recontoured and reseeded with a seed mixture approved by the COGCC and chosen by High Lonesome Ranch (landowner)

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? Yes

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

SITE RECLAMATION DATES

Proposed date of commencement of Reclamation. 06/08/2022

Proposed date of completion of Reclamation. 07/29/2022

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. _____

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

SITE INVESTIGATION DATES

Date of Initial Actions described in Site Investigation Plan (start date). 09/15/2021

Proposed site investigation commencement. 06/15/2022

Proposed completion of site investigation. 06/16/2022

REMEDIAL ACTION DATES

Proposed start date of Remediation. 06/29/2022

Proposed date of completion of Remediation. 06/30/2022

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

Please forward onto Steven Arauza

This Supplemental Form 27 is being submitted to provide facility closure documentation pertaining to the Vision Energy Fed 1-28 location (previously operated under Maralex Resources).

As outlined within the approved Initial Form 27, samples were collected using a hand auger under the areas where production equipment was previously located. Samples were collected in 1-foot increments to a maximum depth of 5-feet. Each interval was field screened with a PID, which results indicated a negative hydrocarbon concentration with vales ranged from 10-50 ppm. Samples were submitted from the 1-foot depth interval was submitted for confirmation.

Flowline trenches were not present at the time of sample as it is believed that trenches were backfilled to allow for firefighting support equipment during the Pine Gulch Fire.

A geoprobe drilling rig was utilized to vertically delineate the soils within the pit footprint as shown in the historical aerial photographs. Three boreholes were completed within the pit footprint (NW corner, center, SE corner) to a maximum depth of 20-feet. Field screen readings collected every 2-3 feet indicated a negative hydrocarbon concentration. A sample was collected from the center of the pit at the 8-foot depth interval, which is the originally constructed depth of the pit.

Regarding the COA within the initial Form 27 pertaining to the pit dimensions. Aerial photographs and COGCC inspection photos confirm that the pit is approximately 35'x35'x8 as suggested in the site diagram attached to Doc# 402906436) and the dimensions within the Earthen Pit Permit (doc# 651961) are incorrect.

Results from each confirmation sample indicates that all the soils satisfy COGCC Table 915-1 thresholds.

Vision Energy is requesting closure of the Fed 28-1 location and approval to proceed with final reclamation.

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

Signed: Trish Harrison

Title: Permitting

Submit Date: 09/01/2022

Email: trishharrison@eis-llc.com

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

COGCC Approved: Steven Arauza

Date: 10/17/2022

Remediation Project Number: 21532

COA Type

Description

	Based on review of information presented it appears that no further action is necessary at this time, and COGCC approves the closure request. However, should future conditions at the site indicate contaminant concentrations in soils exceeding COGCC standards or if surface and/or ground water is found to be impacted, then further investigation and/or remediation activities will be required at the site. In addition, the non-working surface area disturbed by the remediation activity shall be reclaimed in accordance with the 1000 Series Reclamation Rules including the establishment of vegetative cover on non-cropland and successful growth on cropland. Landowner must approve reclamation of cropland.
1 COA	

Attachment Check 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

403096634	FORM 27-SUPPLEMENTAL-SUBMITTED
403096649	OTHER
403096673	ANALYTICAL RESULTS
403096674	ANALYTICAL RESULTS
403096675	SOIL SAMPLE LOCATION MAP
403096679	PHOTO DOCUMENTATION

Total Attach: 6 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)