

**State of Colorado
Oil and Gas Conservation Commission**

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received 12/14/2016
REM 9949
Spill 448386
FAC 426021
Document 2527425

SITE INVESTIGATION AND REMEDIATION WORK

This form shall be submitted to the Director for approval prior to the initiation of site investigation activities. Form 27 is intended to be used whenever possible. Additional documentation will be required when large volumes of soil and groundwater have been impacted or involve large facilities with multiple source areas. See Rule 910. Attach as many pages as needed to fully describe the proposed work.

Spill Complaint
 Inspection NOAV
Tracking No: _____

CAUSE OF CONDITION BEING INVESTIGATED AND REMEDIATED

Spill or Release Plug & Abandon Central Facility Closure Site/Facility Closure Other (describe): _____

OGCC Operator Number: <u>10311</u> Name of Operator: <u>Synergy Resources Corporation</u> Address: <u>5400 W 11th Street, Suite C</u> City: <u>Greeley</u> State: <u>CO</u> Zip: <u>80634</u>	Contact Name and Telephone: <u>Jerry Brian</u> No: <u>970-518-2062</u> Fax: <u>970-737-1045</u>
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API Number: _____ Facility Name: <u>Nelson Tank Battery</u> Well Name: _____	County: <u>Weld</u> Facility Number: <u>426021</u> Well Number: _____ Location: (QtrQtr, Sec, Twp, Rng, Meridian): <u>NENE, 5, 4N, 67W, 6</u> Latitude: <u>40.347524</u> Longitude: <u>-104.906878</u>
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448386

TECHNICAL CONDITIONS

Type of Waste Causing Impact (crude oil, condensate, produced water, etc): Produced Water

Site Conditions: Is location within a sensitive area (according to Rule 901e)? Y N If yes, attach evaluation.

Adjacent land use (cultivated, irrigated, dry land farming, industrial, residential, etc.): Crop Land

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: Nunn Loam, 0-1% Slope

Potential receptors (water wells within 1/4 mi, surface waters, etc.): None

Description of Impact (if previously provided, refer to that form or document):

Impacted Media (check):	Extent of Impact:	How Determined:
<input checked="" type="checkbox"/> Soils	<u>60ft x 45ft x 9ft - Document # 401165019</u>	<u>Excavation and Sampling</u>
<input type="checkbox"/> Vegetation	_____	_____
<input checked="" type="checkbox"/> Groundwater	<u>Unknown - Document # 401165019</u>	<u>Groundwater Sampling</u>
<input type="checkbox"/> Surface Water	_____	_____

REMEDIALTION WORKPLAN

Describe initial action taken (if previously provided, refer to that form or document):

Following the removal of a partially buried produced water tank from the Site, impacts to the soil were observed. Synergy conducted source removal excavations of the impacted soils.

Describe how source is to be removed:

The partially buried produced water tank was removed from service. Impacted soils were excavated and transported to a licensed disposal facility. Confirmation soil samples collected from the excavation indicated that soil impacts have been adequately removed.

Describe how remediation of existing impacts is to be accomplished, including removal and disposal at an injection well or licensed facility, land treatment on site, removal of impacted groundwater, insitu bioremediation, burning of oily vegetation, etc.:

Groundwater was observed in the excavation at approximately 9 feet below ground surface. Laboratory analysis of the groundwater sample collected from the base of the excavation indicate benzene concentrations above 910-1 standards. The extent of groundwater impacts will be further evaluated.



Tracking Number: _____ Name of Operator: _____ OGCC Operator No: _____ Received Date: _____ Well Name & No: _____ Facility Name & No: Nelson Tank Battery 426021

REMEDIATION WORKPLAN (Cont.)

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If groundwater has been impacted, describe proposed monitoring plan (# of wells or sample points, sampling schedule, analytical methods, etc.):

Synergy is currently conducting an environmental site investigation to adequately delineate the impacts to groundwater. Synergy will provide the COGCC with a summary of the environmental site investigation and a remediation workplan upon completion of the delineation.

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. Use additional sheet for description if required.

The facility is currently in operation.

Attach samples and analytical results taken to verify remediation of impacts. Show locations of samples on an onsite schematic or drawing.

Is further site investigation required? [X] Y [] N If yes, describe:

Laboratory analysis of the confirmation soil samples collected from the excavation indicated no impacted soil remains. These data were provided as an attachment to the F19 (Supplemental) (Document # 401165019).

Synergy is currently conducting an environmental site investigation to adequately delineate the impacts to groundwater. Synergy will provide the COGCC with a summary of the environmental site investigation and a remediation workplan upon completion of the delineation.

Final disposition of E&P waste (landtreated and disposed onsite, name of licensed disposal facility, recycling, reuse, etc.):

Impacted soils were hauled off site and disposed of at the Denver Regional Landfill in Erie, Colorado and the North Weld Landfill in Ault, Colorado.

IMPLEMENTATION SCHEDULE

Date Site Investigation Began: 11/17/2016 Date Site Investigation Completed: TBD Date Remediation Plan Submitted: TBD Remediation Start Date: TBD Anticipated Completion Date: TBD Actual Completion Date: TBD

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete. Print Name: Jerry Brian Signed: [Signature] Title: Manager of Environmental and Health Date: 10/14/2016

OGCC Approved: _____ Title: _____ Date: _____

Submit reports of site investigation and progress of remediation including results of sampling and analysis on an annual basis or more often until remediation is closed.