

State of Colorado
Oil and Gas Conservation Commission

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



#7913

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RECEIVED
6/25/2013

SITE INVESTIGATION AND REMEDIATION WORKPLAN

This form shall be submitted to the Director for approval prior to the initiation of site investigation and remediation 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.

CAUSE OF CONDITION BEING INVESTIGATED AND REMEDIATED

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

OGCC Employee:

☐ Spill ☐ Complaint
☐ Inspection ☐ NOAV

Tracking No:

OGCC Operator Number: 31257

Name of Operator: Fritzler Resources, Inc.

Address: P.O Box 114

City: Fort Morgan

State: CO Zip: 80701

Contact Name and Telephone:

Gene Fritzler, VP

No: 970-768-0845

Fax: 866-437-4804

API Number: 05-075-09233

County: Logan 221107

Facility Name: Blood Spring

Facility Number: 6907 PIT ID # 112220

Well Name: Blood Spring

Well Number: #1

Location: (QtrQtr, Sec, Twp, Rng, Meridian): SE SE Sec 1 Tn 9N Rng 54W

Latitude: 40.777057 Longitude: -103.34804

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.): Pasture

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: Sandy Loam

Potential receptors (water wells within 1/4 mi, surface waters, etc.): N/A

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

Impacted Media (check):

- ☐ Soils
☐ Vegetation
☐ Groundwater
☐ Surface Water

Extent of Impact:

TBD when excavation begins

How Determined:

Analysis to be performed, TPH(gasoline)

TPH(diesel), BTEX, And SARs.

Cations/Anions: Na, Ca, Mg, Iron, Ba,

Cl, BiCarbonates, Nitrates, Nitrites, Sulfate, Sulfide, EC, pH

REMEDIALATION WORKPLAN

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

Pipe and associated Screen Cover and weeds were removed June 24, 2013,

Preliminary Background Samples will be taken June 25, 2013.

Describe how source is to be removed:

Sides and bottoms of Pit will be excavated, Loaded into a belly dump or dump trailer depending upon the quantity requiring treatment and hauled to Buffalo Ridge or the nearest acceptable landfill. Soil samples will be visually examined and tested using a TPH test kit during excavation prior to sending confirmation samples to the lab.

Confirmation samples have a ten day turnaround plus five days for review and report generation.

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.:

Insitu bioremediation will be evaluated based on sample qualities and a site review. E&P waste and soils will be disposed of at an acceptable landfill. Upon receipt of acceptable analysis, pit will be backfilled, contoured and reseeded with native grasses.



Tracking Number: _____
Name of Operator: _____
OGCC Operator No: _____
Received Date: _____
Well Name & No: _____
Facility Name & No: _____

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REMEDIATION WORKPLAN (Cont.)

OGCC Employee: _____

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

N/A

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.

Reclamation of Pit will require excavation, soil analysis, backfill, compaction, and reseeding. The amount of backfill will be contingent on the quantity of soils sent to the disposal facility and available stockpiled fill on location.

The site investigation incorporates excavation and sampling. Excavation of E&P waste from the Pit will be finished upon receipt of acceptable analytical results.

With countouring and reseeding efforts an anticipated completion date is August 2014.

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? ☐ Y ☐ N If yes, describe:

TBD

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

E&P waste will be disposed of at Buffalo Ridge or nearest acceptable landfill

IMPLEMENTATION SCHEDULE

Date Site Investigation Began: June 24, 2013 Date Site Investigation Completed: _____ Date Remediation Plan Submitted: _____
Remediation Start Date: _____ Anticipated Completion Date: August 15, 2014 Actual Completion Date: _____

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

Print Name: Gene Fritzler,

Signed:

Title: VP, Fritzler Resources, Inc.

Date: June 24, 2013

OGCC Approved: ACE for John Axelsson Title: NE CO EPS Date: 7/29/2013

See attached Conditions of Approval
Ann C Edelman
7/29/2013