

FORM
27
Rev 6/99

State of Colorado

02086928



Oil and Gas Conservation Commission

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

FOR OGCC USE ONLY

MAR 30 2015

COGCC

OGCC Employee:

☐ Spill ☐ Complaint
☐ Inspection ☐ NOAV

Tracking No:

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): Skim Pit Closure

OGCC Operator Number: 10548

Name of Operator: HRM Resources II, LLC

Address: 410 17th Street, Suite 1100

City: Denver State: CO Zip: 80202

Contact Name and Telephone:

Terry Pape

No: (970) 768-5700

Fax: (303) 893-6892

API Number: 05-121-07586

County: Washington

Facility Name: Anderson #1

Facility Number: ~~107577~~ 107578

Well Name: Anderson #1

Well Number: 1

Location: (QtrQtr, Sec, Twp, Rng, Meridian): NESW Sec. 20, T3S, R52W, 6PM Latitude: Longitude:

TECHNICAL CONDITIONS

Type of Waste Causing Impact (crude oil, condensate, produced water, etc): crude oil and 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.): agricultural - grazing and cultivated

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: upland soils derived from glacial till

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:



Soils

500 yards

visual inspection



Vegetation



Groundwater



Surface Water

REMEDIATION WORKPLAN

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

The skim pit was partially excavated in November 2014. Approximately 800 yards of oily soil was transported to the Waste Management Denver-Aurora Disposal Site (DADS) for disposal.

Describe how source is to be removed:

Confirmation samples will be collected to evaluate whether impacted soil remains in the excavation. Remaining impacted soils beneath the skim pit will be excavated and placed in one or more bermed areas on the lease and landfarmed.

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.:

Any remaining impacted soil will be landfarmed on site. Confirmation samples will be collected from the base and sidewalls of the skim pit excavation to confirm that all soils that exceed the Table 910-1 standards for TPH have been removed. Materials placed in the landfarm will be periodically tilled and sampled to evaluate when the Table 910-1 standards have been achieved. The skim pit excavation will be backfilled with the landfarmed soil and clean fill and the evaporation pit berms rebuilt as necessary.



Tracking Number: 2086928
Name of Operator: HRM Resources II, LLC
OGCC Operator No: 10548
Received Date: 3/30/2015
Well Name & No: Anderson 1
Facility Name & No: 107577 oil skim pit

Page 2
REMEDIATION WORKPLAN (Cont.)

OGCC Employee: Robert Young

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

Impacts to groundwater have not been identified at the site.

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.

It is anticipated that no reclamation will be required. The landfarm will be constructed on areas currently used for production activities. After Table 910-1 standards have been achieved, the landfarmed soil and berms will be used to backfill the excavation. Weeds will be controlled by spraying and mechanical removal as necessary.

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:

The landfarm materials will be periodically sampled to evaluate progress in achieving the Table 910-1 standards.

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

Impacted soils and clean fill will be backfilled into the skim pit excavation once the Table 910-1 standards have been achieved with approval from COGCC.

IMPLEMENTATION SCHEDULE

Date Site Investigation Began: _____ Date Site Investigation Completed: _____ Date Remediation Plan Submitted: April 1, 2015
Remediation Start Date: _____ Anticipated Completion Date: November 1, 2015 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: L. Roger Hutson

Signed: [Signature]

Title: President

Date: 3/25/15

OGCC Approved: [Signature] Title: NE EPS II Date: 5/6/2015

* See Conditions of Approval Correspondence.