

FORM

27

Rev 6/99

State of Colorado
Oil and Gas Conservation Commission

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



#8482

Faxed 3-26-14

RECEIVED

MAR 26 2014

COGCC

COGCC 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):

OGCC Operator Number: 95620

Name of Operator: Western Operating Company

Address: 518 17th Street, Suite 200

City: Denver State: CO Zip: 80202

Contact Name and Telephone:

Steven James

No: (303) 893-2438

Fax:

API Number: 05-121-06758

County: Washington

Facility Name: Forbes 1

Facility Number: 101054

Well Name: Forbes

Well Number: 1-14

Location: (QtrQtr, Sec, Twp, Rng, Meridian): SESE Sec 14 T1N R54W 6th PM

Latitude: 40.047495

Longitude: 103.379795

TECHNICAL CONDITIONS

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

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.): stockyard

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: Norka-Colby very fine sand loams, 3 to 9 percent slope

Potential receptors (water wells within 1/4 mi, surface waters, etc.): Water well adjacent to the south, shears draw 850 feet NE.

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

Impacted Media (check):

☒ Soils☐ Vegetation☐ Groundwater☐ Surface Water

Extent of Impact:

25' N-S x 25' E-W x 15' bgs

How Determined:

Visually

REMEDIATION WORKPLAN

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

On December 13, 2013, the Colorado Oil and Gas Conservation Commission (COGCC) issued a Notice of Alleged Violation (NOAV #200392590) to Western Operating Company (WOC) following an on-site field inspection (Document #670600111) on November 20, 2013.

Describe how source is to be removed:

WOC excavated and removed oily soil from the unlined oil skim pit.

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.:

The extent of petroleum hydrocarbon impact was removed via excavation activities. The oily soil was thoroughly mixed and used on-site to construct berms surrounding the current produced water tank.

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Page 2

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REMEDIAL WORKPLAN (Cont.)

Page 2

Tracking Number: _____
Name of Operator: _____
OGCC Operator No: _____
Received Date: _____
Well Name & No: Forbes 1-14
Facility Name & No: Forbes 1 101054

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

Groundwater was not encountered.

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 excavation was backfilled with clean fill and a to re-establish the pre-existing grade. Reclamation will be completed with the COGCC reclamation Regulation 1004-Final Reclamation of the well site and associated production facilities.

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:

WOC will conduct confirmation soil sampling of the extenet of the excavation and berm matierial to ensure soil is in compliance with the COGCC Table 910-1.

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

The oily soil was thoroughly mixed and used on-site to construct berms surrounding the current produced water tank.

IMPLEMENTATION SCHEDULE

Date Site Investigation Began: TBD	Date Site Investigation Completed: TBD	Date Remediation Plan Submitted: 3-27-14
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: Steven James

Signed:

Title: President

Date: 3-26-14

OGCC Approved: _____ Title: _____ Date: _____