

State of Colorado
Oil and Gas Conservation Commission



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 REM 9026

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: 53650

Name of Operator: Marathon Oil Company

Address: 1501 Stampede Avenue

City: Cody State: WY Zip: 82414

Contact Name and Telephone:

Zach Toellner

No: (307) 527-2155

Fax: _____

API Number: NA

County: Garfield County

Facility Name: 697-21A Wellpad

Facility Number: 335476

Well Name: NA

Well Number: NA

Location: (QtrQtr, Sec, Twp, Rng, Meridian): SENE, SEC 21, T6S-R97W, 6th PM Latitude: 39.509400 Longitude: -108.218230

TECHNICAL CONDITIONS

Type of Waste Causing Impact (crude oil, condensate, produced water, etc): condensate & 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.): Non-crop land

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: Parachule-Ingrid-Rhone Assoc, 25-50% slopes, very channery loam over unweathered bedrock

Potential receptors (water wells within 1/4 mi, surface waters, etc.): 0

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

Impacted Media (check):



Soils

Extent of Impact:

36 cubic yards, all onsite.

How Determined:

Site PID readings and lab analyticals



Vegetation



Groundwater



Surface Water

REMEDIALATION WORKPLAN

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

21A wells isolated and tank immediately drained. Leak was identified through pressure testing of line between tank and separator. All impacted materials excavated. See Remediation Plan (attached) and Form 19 for additional information.

Describe how source is to be removed:

Source has been removed via excavation of impacted materials to bedrock and identification / repair of leaking dump line.

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.:

All impacted soils have been removed and will be disposed of after spring time sampling activities. Ongoing surface water sampling activities will be used to identify any impacts to area watershed. See Remediation Plan for additional information.



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

OGCC Employee: _____

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

See attached 21A Remediation Report for proposed monitoring plan, including sampling points and schedule.

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.

Release was located entirely within existing well pad location, no additional reclamation will be necessary. All impacted soils have been removed. Site excavations have been backfilled and location returned to service.

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:

Ongoing surface water and seeps / spring sampling will occur through 2016 as described in the 21A Remediation Report. See attached for additional information.

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

Impacted soils are being temporarily stored on location and are protected by pit liner. Once the spoil pile thaws in the Spring of 2015, composite samples will be collected and laboratory analyzed to identify contaminants and their concentrations. After the laboratory results are known, MOC will determine the best method for treatment or disposal of the materials, as appropriate.

IMPLEMENTATION SCHEDULE

Date Site Investigation Began: 12/2/2014	Date Site Investigation Completed: 1/8/2015	Date Remediation Plan Submitted: 2/9/2015
Remediation Start Date: 12/2/2014	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: Zach Toellner

Signed: _____

Title: HES Professional

Date: 2/9/2015

OGCC Approved: _____ Title: _____ Date: _____