

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



#7363

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SEP 16 2011

COGCC

OGCC Employee

☐ Spill ☐ Complaint  
☐ Inspection ☐ NOAV

Tracking No:

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): Land Treatment for soil

OGCC Operator Number: 10292	Contact Name and Telephone:
Name of Operator: Three Forks Resources, Inc	Irene Trujillo
Address: 1515 Wazee, Suite 350	No: 303-318-0717
City: Denver State: CO Zip: 80202	Fax:
API Number: 05-081-07006	County: Moffat
Facility Name:	Facility Number: Location ID # 313122
Well Name: USA-CLARK - MILLISON	Well Number: 1
Location: (QtrQtr, Sec, Twp, Rng, Meridian): NENE 17 11N 97W	Latitude: 40.91848 Longitude: -108.30879

TECHNICAL CONDITIONS

Type of Waste Causing Impact (crude oil, condensate, produced water, etc): Soil with Petroleum hydrocarbons

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.): Federal Land, grazing, oil and gas operations

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: Torriorthents, Stony loam

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	Within pit	Excavated to non impacted soil
<input type="checkbox"/> Vegetation		
<input type="checkbox"/> Groundwater		
<input type="checkbox"/> Surface Water		

REMEDIAL WORKPLAN

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

The BLM gave verbal approval for the construction of a land treatment facility designed to treat soil excavated from produced water pits that are no longer necessary. The land treatment facility was constructed with an adequate earthen berm to allow for potential storm events and to prevent surface runoff.

Describe how source is to be removed:

Soils were excavated with a backhoe from five pits located at the Kleanhammer 3, Kleanhammer 3A, Ptasynski 1x and Ptasynski #2 - 2 locations.

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.:

Please see attached summary

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**REMEDIAL WORKPLAN (Cont.)**

Tracking Number: \_\_\_\_\_  
Name of Operator: THREE FORKS RESOURCES  
OGCC Operator No: \_\_\_\_\_  
Received Date: \_\_\_\_\_  
Well Name & No: USA-CLARK-MILLISON API 081 07006  
Facility Name & No: LOCATION # 313122

OGCC Employee: \_\_\_\_\_

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

No groundwater was impacted

**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.

No excavation was required in the area of land treatment. The surface area was scraped and berms constructed. Reclamation activities will include re-seeding in accordance with Moffat County Soil Conservation recommended seed mix. The seed mix includes Western Wheatgrass, Needleand thread, Bluebunch Wheatgrass, Sainfoin, Small Burnett and Sandberg Bluegrass. The seed will be obtained from Arkansas Valley Seed Company, or similar, and will be certified noxious weed free. The BLM will be contacted for their input and approval once the soil is below the COGCC 910-1 cleanup standards.

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 treatment facility was inspected in August 2011 and appeared to require additional treatment. Samples will be obtained in the late spring 2012 if it appears that the material has been treated sufficiently.

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

The soil, once treated and cleared with confirmatory sampling, will be used to backfill the pits where the material was originally derived.

**IMPLEMENTATION SCHEDULE**

Date Site Investigation Began: <u>8/17/2010</u>	Date Site Investigation Completed: <u>8/17/2010</u>	Date Remediation Plan Submitted: <u>9/9/2011</u>
Remediation Start Date: <u>8/18/2010</u>	Anticipated Completion Date: <u>9-2012</u>	Actual Completion Date: <u>Pending</u>

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

Print Name: Irene Trujillo Signed: Irene Trujillo  
Title: Regulatory Analyst Date: 9/9/2011

OGCC Approved: [Signature] Title: FOR Chris Canfield Date: 10/18/2012  
EPS NW Region

Note: Please read  
uploaded email  
for requested information ak



ATTACHMENT  
USA-Clark Millison Land Treatment for Soil

**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.:**

A land treatment facility was constructed at the Clark-Millison 1 well location in accordance with the COGCC Series 907 rules. The facility was constructed in August 2010 after the Bureau of Land Management; Little Snake Field Office as landowner gave verbal approval for the construction of the facility as a result of their request that several pits in the field be cleaned up. We were unaware of the requirements to file a Form 27 Sundry with the COGCC at that time. A Form 3160-5 was submitted to BLM. The soil located within the land treatment facility was derived from five pits located at the Kleanhammer 3, Kleanhammer 3A, Ptasynski 1x and Ptasynski #2 - 2 locations. All free liquids were removed from the material prior to excavating and placing in the land treatment facility. The land treatment facilities were constructed with an earthen berm to prevent storm water runoff. The treatment facility was inspected in August 2011 and appeared to require additional treatment. As a result, we will continue to turn the soil and add water and nutrients to this material until November and begin the process again in April 2012. We will plan on obtaining a confirmatory sample for the Table 910-1 analyte in the late spring 2012 if it appears that the treatment of the soil is completed. If the soil is within the Table 910-1 concentration levels we propose to beneficially use the soil for backfilling pits that we propose to close in this field.