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

FOR OGCC USE ONLY

REM 8333
Document 2526001

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): Pit Closure; Fac ID 100600

OGCC Operator Number: 36200
Name of Operator: Grynberg Petroleum Company
Address: 3600 South Yosemite Street, Suite 900
City: Denver State: CO Zip: 80237

Contact Name and Telephone:
Joe Mazotti
No: 303-850-7490
Fax:

API Number: 05-081-05709 County: Moffat
Facility Name: Chivington Facility Number: 1
Well Name: Chivington Well Number: 1
Location: (QtrQtr, Sec, Twp, Rng, Meridian): NWSW, Sec. 26, T6N - R67W, 6th p.m. Latitude: 40.4575 Longitude: -104.8473

TECHNICAL CONDITIONS

Type of Waste Causing Impact (crude oil, condensate, produced water, etc): Drill curttings, produced water & 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.): Oil & gas production

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: Talamantes loam, 0 - 6% slopes

Potential receptors (water wells within 1/4 mi, surface waters, etc.): Potential seasonal stream located within 1/4 mile.

NOT APPROVED
received date: 3/22/2016

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

Impacted Media (check):	Extent of Impact:	How Determined:
☑ Soils	Local soil contamination confirmed to pit	COGCC Inspection (Doc #669300751)
☐ Vegetation		
☐ Groundwater		
☐ Surface Water		

REMEDIATION WORKPLAN

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

Per conversations between Kris Neidel and Chris DiMarco (Lesair Environmental), the below pit remediation workplan and soil sampling was approved and implemented. We are now in the final reclamation phase

Describe how source is to be removed:

Soils have been carefully excavated and placed within liner and surface-berm containment on-site until a waste soil characterization is completed. After recieving the characterization of waste soils, The soils have been disposed of at an appropriatly permitted disposal facility will be contracted to accept the soils where a manifest system to track the disposal process will be employed .

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.:

Soils will be excavated with heavy equipment using the process described above. After the waste soils are removed, the remaining clean soils will be sampled by collection of five (5) evenly spaced discreet samples, providing a good representation of the pit bottom. These samples will each be analyized at a laboratory in accordance with table 910-1. See "Reclamation Plan" section of this document .

Submit Page 2 with Page 1

FORM
27
Rev 6/99

Page 2

State of Colorado
Oil and Gas Conservation Commission
1120 Lincoln Street, Suite 801, Denver, Colorado 80203
(303)894-2100 Fax:(303)894-2109

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

REMEDIATION WORKPLAN (Cont.)

OGCC Employee:

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

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.

Fac ID: 100600
Project #: 8333

See attached workplan and timeline for the final reclamation of the Chivington #1 pit.

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:

NOT APPROVED
received date: 3/22/2016

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

IMPLEMENTATION SCHEDULE

Date Site Investigation Began: _____ Date Site Investigation Completed: _____ Date Remediation Plan Submitted: _____
Remediation Start Date: _____ Anticipated Completion Date: _____ 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: Joe Mazotti Signed: _____
Title: Regulatory Manager Date: 3-23-2016

OGCC Approved: _____ Title: _____ Date: _____

Grynberg Petroleum Co.

Chivington #1

Loc ID: 100600

Reclamation Timeline.

- We are awaiting state approval to back-fill tank battery area.
- Once site conditions improve and we have approval, (currently unsafe too wet and muddy). We will remove any accumulated storm water, truck to great divide water disposal, and then back-fill tank battery area with clean soils that are stock piled on site.
  30 days April 1 thru April 30
- On the larger pit area again once conditions are dry enough, the pit area will need some stabilization work. Some erosion has since occurred on the pit walls making any work on the pit dangerous. Once the pit is stabilized, any accumulated storm water will be removed and transported to Great Divide Water Disposal.
  15 days April 1 thru April 15
- Next on-site VOC sampling will be done and some soils may need excavated and removed and will be transported to Le-point disposal. It's estimated that not much if any contamination remains. 0cy-150cy
  VOC sample test results will determine what if any additional work will be required.
  5-30 days April 15 thru April 20

NOT APPROVED
received date: 3/22/2016

- Lab samples will be taken from large pit area as directed by State Inspector. All sample locations will be marked and located by survey stakes on-site and no disturbances will be made until results are returned. If samples indicate contamination outside of acceptable ranges, excavation and disposal of contaminated soils will proceed in the located problem areas, and new samples will be processed when the area is thought to be cleaned out.
  30-50 days (need 15-25 days to get samples processed) April 20 thru May 20
- Upon return of samples in acceptable ranges we will seek approval to back-fill and will begin the back-filling process when State approval is made. Clean back-fill material will need to be transported to the site to complete the back-fill as there is not enough material on-site
  90 days May 2 thru August 17
- Transportation of fill material to site can begin at any time - April 1st?
  70 days to transport fill, 20 days backfill time
- Reclamation and re-seed area and de-mobilize all Equipment
  August 17th thru September 1st, 15 days