



State of Colorado  
Oil and Gas Conservation Commission



# 3374

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

FOR OGCC USE ONLY  
**RECEIVED**  
JUL 14 04  
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): Close existing pit

OGCC Operator Number: <u>10048</u>	Contact Name and Telephone: <u>Gerald Lucero - Production Manager</u>
Name of Operator: <u>Meritage Energy Partners, LLC</u>	No: <u>720-932-0220</u>
Address: <u>1600 Broadway, Suite 1360</u>	Fax: <u>720-932-0224</u>
City: <u>Denver</u> State: <u>CO</u> Zip: <u>80202</u>	

API Number: _____	County: <u>Logan</u>
Facility Name: <u>Sindt Tank Battery</u>	Facility Number: _____
Well Name: _____	Well Number: _____
Location: (QtrQtr, Sec, Twp, Rng, Meridian): <u>SESW Sec 31 T- 10N R-52W</u> Latitude: <u>N-47</u> Longitude: <u>W-103</u>	

**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.): Pasture, Non Crop-land

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: Mitchell, Keota - From form 2A for Fluharty #1

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	<u>localized area around pit</u>	<u>soil borings 4/16/04 &amp; sample 6/18/04</u>
<input checked="" type="checkbox"/> Vegetation	<u>N/A</u>	<u>no vegetation in tank battery site</u>
<input checked="" type="checkbox"/> Groundwater	<u>None</u>	<u>Soil borings to 16' - no groundwater</u>
<input checked="" type="checkbox"/> Surface Water	<u>N/A</u>	

**REMEDATION WORKPLAN**

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

Plan to close pit Disconnected all lines from Sindt and Fluharty Treaters and Tank batteries. Dug up impacted soil. Took samples of clean soil at bottom of pit to lab. Prevous samples taken of sides. Moved pit bottoms and berms to "spoils pile". Back fill pit with clean soil.

Describe how source is to be removed:

Source of liquids in pit were treater drain lines and vent lines and tank drain lines from Sindt and Fluharty tank batteries. Disconnected all lines and piped to new tank set at tank battery. All impacted soil removed with back hoe, included berms.

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.:

Impacted soil will be land farmed on site or taken to licensed facility for disposal. Testing for TPH, electrical conductance and PH will be conduted on all soils before use after land farming. Additional tests required by land fill will be done if moved to land fill.



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

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**REMEDIATION WORKPLAN (Cont.)**

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

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

N/A

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.

Back fill pit with clean soil. The area will be contoured to match tank battery grade. The old pit site is in the tank battery area. The entire battery area will be reclaimed at the end of life of the wells. The area will be treated for weed control at the same time as rest of battery.

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:

Final disposition of E&P waste (landtreated and disposed onsite, name of licensed disposal facility, recycling, reuse, etc.):  
Contaminated soil will be land farmed on site. After treatment is complete soil will be used for berms and back fill uses.

If taken to landfill, copies of all documents will be submitted.

**IMPLEMENTATION SCHEDULE**

Date Site Investigation Began: 4/16/04 Date Site Investigation Completed: 7/1/04 Date Remediation Plan Submitted: 7/12/04  
Remediation Start Date: 6/14/04 Anticipated Completion Date: 7/12/04 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: Gerald Lucero Signed: Gerald Lucero  
Title: Production Manager Date: 7/12/04

OGCC Approved: Randall V. Jager Title: EPS Date: 10/12/05