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State of Colorado

Oil and Gas Conservation Commission

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



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FOR OGCC USE ONLY

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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: 10048Name of Operator: Meritage Energy Partners, LLCAddress: 1600 Broadway, Suite 1360City: Denver State: CO Zip: 80202

Contact Name and Telephone:

Gerald Lucero - Production ManagerNo: 720-932-0220Fax: 720-932-0224API Number: _____ County: LoganFacility Name: Sindt Tank Battery Facility Number: _____

Well Name: _____ Well Number: _____

Location: (QtrQtr, Sec, Twp, Rng, Meridian): SESW Sec 31 T- 10N R-52W Latitude: N-47 Longitude: W-103

TECHNICAL CONDITIONS

Type of Waste Causing Impact (crude oil, condensate, produced water, etc): Crude oil and Produced WaterSite 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-landSoil type, if not previously identified on Form 2A or Federal Surface Use Plan: Mitchell, Keota - From form 2A for Fluharty #1Potential 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):

- ☒ Soils
☒ Vegetation
☒ Groundwater
☒ Surface Water

Extent of Impact:

localized area around pitN/ANoneN/A

How Determined:

soil borings 4/16/04 & sample 6/18/04no vegetation in tank battery siteSoil borings to 16' - no groundwater

REMEDIALATION 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. Previous 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 conducted on all soils before use after land farming. Additional tests required by land fill will be done if moved to land fill.



REMEDIATION WORKPLAN (Cont.)

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.):

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: <u>4/16/04</u>	Date Site Investigation Completed: <u>7/1/04</u>	Date Remediation Plan Submitted: <u>7/12/04</u>
Remediation Start Date: <u>6/14/04</u>	Anticipated Completion Date: <u>7/12/04</u>	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