01490311

10/3/2005

Weideman #2 PJ

27

Oil and Gas Conservation Commission

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

SITE INVESTIGATION AND REMEDIATION WORKPLAN

3543

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.

OGCC Employee

☐ Spill ☐ Complaint
☐ Inspection ☐ NOAV
Tracking No:

CAUSE OF CONDITION BEING INVESTIGATED AND REMEDIATED

■ Spill or Release ☐ Plug & Abandon ☐ Central Facility Closure ☐ Site/Facility Closure ☐ Other (describe):

GENERAL INFORMATION

OGCC Operator Number:
Name of Operator: Merit Energy
Address: 1313 North Denver
City: Fort Lupton State: Co Zip: 80621

Contact Name and Telephone
Frank Holubec, Merit Energy, 970-536-0231 off, 303-857-6789 fax
John Mahoney, MEC Inc, 970-352-2644 off, 970-381-5951 cell, 970-356-0544 fax

API Number: 05-123-17093
Facility Name:
Well Name: Weideman

County: Weld
Facility Number:
Well Number: 2

Location: (QtrQtr, Sec, Twp, Rng, Meridian): SWSW 29 4N 66W
Latitude: Longitude:

TECHNICAL CONDITIONS

Type of Waste Causing Impact (crude oil, condensate, produced water, etc.): Condensate

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.): Irriated AG. Ditch adjacent to east

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: Fine to medium sand

Potential receptors (water wells within 1/4 mi, surface waters, etc.): Irrigation ditch adjacent to east extending to the north, assumed regional crossgradient / downgradient

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

Impacted Media (check):		Extent of Impact:	How Determined:
X	Soils	Impacted soils encountered from 14 BGL to water table, 26 BGL.	Per subsurface limited Phase II site assessment performed by Conquest on adjacent property in Feb 2005 , Confirmed impact at Weideman #2 tank battery June 2005 limited investigation performed by MEC Inc.
X	Vegetation		
	Groundwater	Groundwater impacted North of tank battery vault of tank. Offsite investigation encountered impacted groundwater approx 100 ft to the north	
	Surface water		

REMEDIATION WORKPLAN

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

Operator has inspected and reviewed site/tank battery records. Source of release unknown. Potential source may have been former brine vault which may have bee replaced prior to 1997, need to confirm replacement by previous operator. There are no known sources or causes of the release from the existing equipment.

Describe how remediation of existing impacts is to be accomplished, including removal and disposal at an injection well or [illegible] land treatment on site, removal of impacted groundwater, insitu bioremediation, burning of oily vegetation, etc.:

1) Additional extent of soil and groundwater impact at the tank battery and offsite to the north need to be performed. Feasible remediation technologies will be evaluated

Date Clean-Up will be

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27
Rev 6/99

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REMEDIATION WORKPLAN (Cont.)

OGCC Employee

Name of Operator: Merit Energy
OGCC Operator No:
Received Date:
Well Name & No: Weideman #2 Tank Batery
Facility Name & No.:

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

Three temporary monitoring wells have been installed at the tank battery, two on the downgradient side (north) and one upgradient (south). Additional subsurface investigation will install a minimum of two wells at or near the tank battery. Additional offsite extent of impact wells will be installed to the north.

including location of new seed, seed mix and noxious weed prevention. Attach diagram or drawing. Use additional sheet for description =

If necessary, areas that are disturbed by the impacted soil excavation will be backfilled with clean fill assumed that most of these areas will be the current traffic areas. The surface will be graded with appropriate road base for such traffic.

Attach samples and analytical results taken to verify remediation of impacts. Show locations of samples on an onsite schematic or dra

Is further site investigation required? ■ Y ☐ N **If yes, describe:**

A proposed three monitoring wells will be installed on the offsite north area and a minimum of two wells will be installed at the tank battery. In addition, a minimum of three soil borings including the collection of grab sample groundwater samples will be collected from the temporary borings. Onsite borings will be installed around the tank battery to evaluate the extent of soil impact and determine probable source.

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

Impacted soils will be landfarmed either onsite until contaminant levels are satisfactory for beneficial reuse.
Impacted groundwater removed will be disposed of at an offsite facility.

The anticipated completion date below is based on the potential need for 4 quarters of monitoring following the completion of the proposed activity, if necessary.

IMPLEMENTATION SCHEDULE

Date Site Investigation Began: 6/28/05
Date Site Investigation Completed: 7/7/05
Date Remediation Plan Submitted: 7/8/05
Remediation Start Date: 11/1/05
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, anc

Print Name: John Maltoney for Merit Energy
Signed: John Maltoney Title: President Maltoney Environmental Date: 9/31/05

OGCC Approved: Title: EPS Date: 11/23/05

COGIS - WELL Information

Scout Card | Related | Insp. | MIT | GIS | Doc | Wellbore | Orders

Surface Location Data for API # 05-123-12953

Status: PR

Well Name/No:	WEIDEMAN #2	(click well name for production)	
Operator:	MERIT ENERGY COMPANY - 56565		
Status Date:		Federal or State Lease #:	69124
County:	WELD #123	Location:	SWSW 29 4N 66W 6 PM
Field:	WATTENBERG - #90750	Footages:	660 FSL 660 FWL
DRLG Contr #:	BANNER DRILLING CO	Elevation:	4,768 ft.
Lat:	40.277003	Long:	-104.80799

Wellbore Data for Sidetrack #00

Status: PR N/A

Wellbore Permit

Permit #:	860038	Expiration Date:	5/14/1986
Prop Depth/Form:		Surface Mineral Owner Same:	
Mineral Owner:	FEE	Surface Owner:	
Unit:		Unit Number:	
Formation and Spacing:	Code: CODL , Formation: CODELL , Order: 0 , Unit Acreage: 0, Drill Unit:		

Wellbore Completed

Complte Date:	2/25/1986		
Measured TD:	7403	Measured PB depth:	7353
True Vertical TD:	7403	True Vertical PB depth:	
Casing:	String Type: SURF , Hole Size: 12.25, Size: 8.625, Top: 0, Depth: 313, Weight:		
Cement:	Sacks: 0, Top: 0, Bottom: , Method Grade:		
Casing:	String Type: 1ST , Hole Size: 7.875, Size: 4.5, Top: 0, Depth: 7403, Weight:		
Cement:	Sacks: 0, Top: 0, Bottom: , Method Grade:		

Formation	Log Top	Log Bottom	Cored	DSTs
PARKMAN	3755			
SUSSEX	4400			
SHANNON SANDSTONE	4765			
NIOBRARA	6960			
TIMPAS	7253			
CODELL	7276			

Completed information for formation CODL

1st Prod Date:	3/1/1986	Choke Size:	1,664.000
Status Date:	3/31/1986	Hole Compl:	
Commingled:		Prod Metod:	
Formation Name:	CODELL	Status:	PR
Formation Treatment:			
Tubing Size:		Tubing Setting Depth:	
Tubing Packer Depth:		Tubing Multiple Packer:	
Open Hole Top:		Open Hole Bottom:	

No Initial Test Data was found for formation CODL .

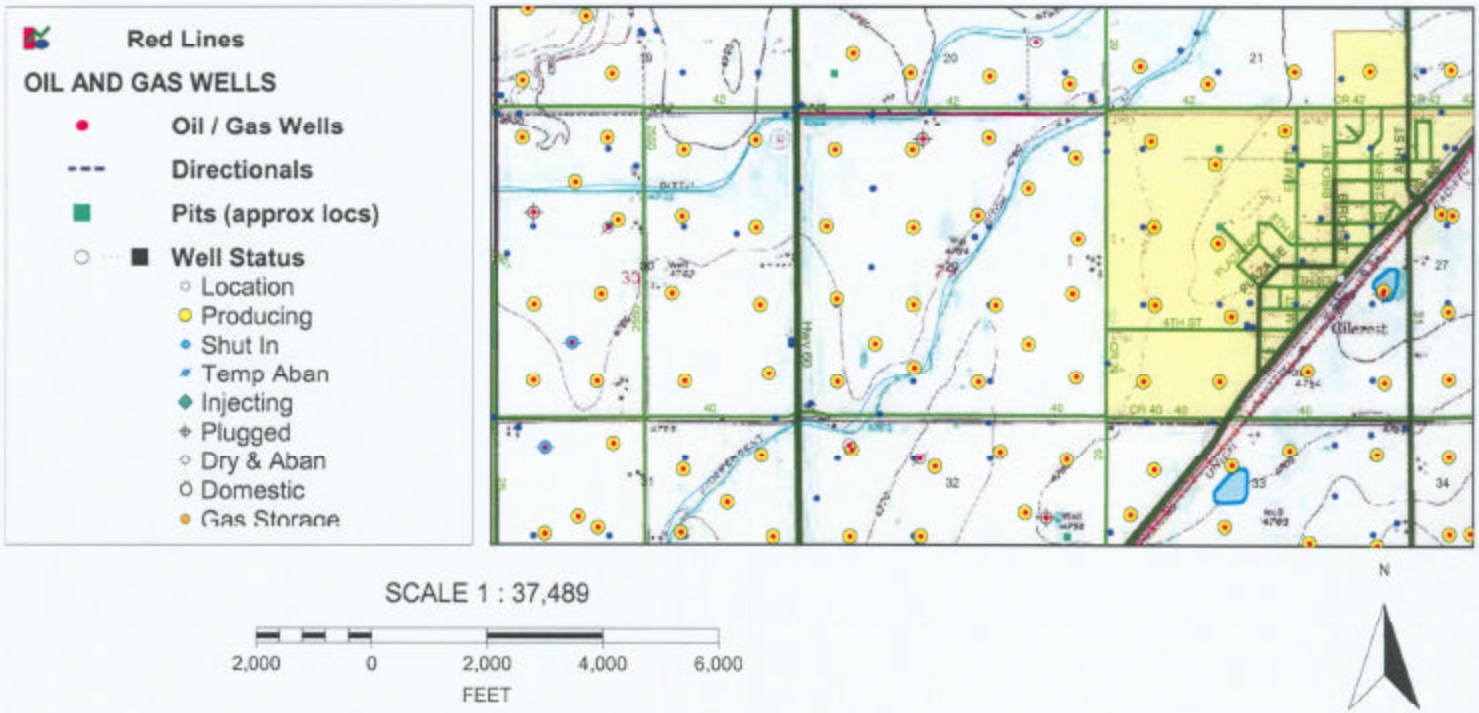
No Perforation Data was found for formation CODL .

Mission Oil 2/25/86

Mission → Southwestern Prod. Corp 7/28/98


Weld County, Colorado
71
85
14
52
71
Eaton
Greeley
34
25
66
Fort Lupton
30
29
04N66W
TBD
CR 40
31
32
Weld County, Colorado
0
900ft

COGCC GIS Online



PIT INVENTORY FORM

Colorado Oil & Gas Conservation Commission
1120 Lincoln Street, Suite 801, Denver, CO 80203
phone) 303-894-2100 fax) 303-894-2109

OP # 58357

Operator Name	Mission Oil Corporation	Phone	Fax	E-mail
Contact	Lee Killough			
Address	13472 Weld Co. Rd. 40 Platteville, CO 80651	(970) 737-2601	(970) 737-2601	None

	Well/Facility Name	Location	API/Facility #	Well Status	Well Type: Fee, Fed or In.	Pit Use	Type	Capacity	Nat/Fence	Lined Y/N	Water Quality Background Y/N	Water Quality Prod Wtr Y/N	Sensitive Area Y/N	Tank Test Results Pass/Fail	Final Status of Pit/Tank closed, repaired	Pit Permit or Sundry Form 15
109050	FLOYD #1	NESE 32 T4N R66W	05123127315	PRODUCING	Fee	PRODUCED WATER	B	23.8 BBL 1000 gal	NO	Y	N	Y	N	PASS	REME-DIATE	27-0
109013	McLEOD #1	NENE 29 T4N R66W	05123127313	PRODUCING		PRODUCED WATER	C	29.8 BBL 1250 gal	NO	Y	N	Y	Y Shown on Sketch	FAIL	RE-PAIRED	27-7
109014	McLEOD #2	SESE 29 T4N R66W	05123127314	PRODUCING		PRODUCED WATER	C	29.8 BBL 1250 gal	NO	Y	N	Y	N	PASS	—	
109217	BOWEN #1	NESE 25 T4N R67W	05123127287	PRODUCING		PRODUCED WATER	B	23.8 BBL 1000 gal	NO	Y	N	Y	N	PASS	—	
110512	REIDEMAN #2	SWSW 29 T4N R66W	05123127453	PRODUCING		PRODUCED WATER	B	23.8 BBL 1000 gal	NO	Y	N	Y	Y Shown on Sketch	FAIL	RE-PAIRED	27-7
109208	JOHNSON #1	SESW 24 T4N R67W	05123136572	PRODUCING		PRODUCED WATER	*	976 BBL 2000 gal	NO	Y	N	Y	Y	PASS	—	
109051	WOLFE #1	SESW 32 T4N R66W	05123136772	PRODUCING		PRODUCED WATER	E	47.6 BBL 2000 gal	NO	Y	N	Y	N	PASS	—	
108920	KERBS #1-20	NENW 20 T4N R66W	123104980	PRODUCING		PRODUCED WATER	A	N/A	NO	N	N	Y	Y Shown on Sketch	CLOSED	CLOSED	27 00
109029	LAIR #2	SWSW 30 T4N R66W	05123127765	PRODUCING		PRODUCED WATER	B	23.8 BBL 1000 gal	NO	Y	N	Y	N	PASS	See Lair #1	

Shows pit at Lair #1

PIT codes

A Earth Pit
B Buried 1000 gal concrete vault
C Buried 1250 gal concrete vault
D Buried 1500 gal concrete vault
E Buried 2000 gal concrete vault
* Above ground 2000 gal fibreglass vault

All pits existing since well completions