



02143947

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

**RECEIVED**

AUG 20 2015

COGCC

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): _____

OGCC Operator Number: 74165Name of Operator: Renegade Oil & Gas Company, LLCAddress: 6155 S Main St, Ste 210City: Aurora State: CO Zip: 80016

Contact Name and Telephone:

J. B. CondillNo: 303 680-4725Fax: 303 680-4907API Number: 05-039-06240County: ElbertFacility Name: Sarti PitFacility Number: #115072Well Name: SartiWell Number: 24-2Location: (QtrQtr, Sec, Twp, Rng, Meridian): NW NE Sec 24, T6S, R63W, 6th Latitude: 39.519444 Longitude: 104.392500**TECHNICAL CONDITIONS**Type of Waste Causing Impact (crude oil, condensate, produced water, etc): 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/ResidentialSoil type, if not previously identified on Form 2A or Federal Surface Use Plan: Bresser Sandy Loam, 0 to 4 percent slopesPotential receptors (water wells within 1/4 mi, surface waters, etc.): Wolf Creek**Description of Impact** (if previously provided, refer to that form or document):

Impacted Media (check):

Extent of Impact:

How Determined:

☐

Soils

☐

Vegetation

☐

Groundwater

☐

Surface Water

REMEDIALATION WORKPLAN**Describe initial action taken** (if previously provided, refer to that form or document):REMED #3654. INFO ONLY.**Describe how source is to be removed:**

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.:



Tracking Number: _____
Name of Operator: RENEGADE OIL & GAS COMPANY, LLC
OGCC Operator No: 74105
Received Date: _____
Well Name & No: SARTI 24-2
Facility Name & No: SARTI PIT

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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.):

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.

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:

Historical remediation project #3654.
Aerial photographs and recent soil analysis attached.

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: J. B. Condill Signed: [Signature]
Title: CFO/VP-Land Date: 8/20/2015

OGCC Approved: [Signature] Title: EPS Date: 8/21/15

INFO ONLY -

SARTI 24-2

05-039-06240

6/16/2005

9/6/2013

Google

Image USDA Farm Service Agency

Imagery Date: 6/16/2005 39°41'09.67" N 104°23'32.06" W elev 5911

10/22/2005

1592



Accutest Mountain States										May 14, 2015 12:27 pm	
Job Number:	D70234										
Account:	Renegade Oil & Gas										
Project:	Pit Reclamation										
Project Number:											
										Legend:	Hit
Client Sample ID:		MORRIS 13-4	MORRIS 13-4	RUNNING CREEK	RUNNING CREEK	SARTI	SARTI	STATE AA	STATE AA	STATE NCT	STATE NCT
Lab Sample ID:		D70234-4	D70234-4A	D70234-3	D70234-3A	D70234-5	D70234-5A	D70234-1	D70234-1A	D70234-2	D70234-2A
Date Sampled:		04/30/2015	04/30/2015	04/30/2015	04/30/2015	04/30/2015	04/30/2015	04/30/2015	04/30/2015	04/30/2015	04/30/2015
Matrix:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
GC Volatiles (SW846 8015B)											

TPH-GRO (C6-C10)	mg/kg	ND (6.3)	-	ND (6.3)	-	ND (6.1)	-	ND (7.1)	-	ND (7.2)	-
GC Semi-volatiles (SW846-8015B)											
TPH-DRO (C10-C28)	mg/kg	9.81 J	-	8.98 J	-	9.38 J	-	ND (9.1)	-	ND (9.1)	-
Metals Analysis											
Calcium	mg/l	-	9.50	-	5.57	-	4.18	-	25.9	-	10.7
Magnesium	mg/l	-	4.65	-	1.05	-	1.42	-	6.27	-	3.08
Sodium	mg/l	-	6.41	-	8.26	-	6.04	-	5.64	-	30.3
General Chemistry											
Solids, Percent	%	88.3	-	87.9	-	89.3	-	82.1	-	82	-
Specific Conductivity	umhos/cm	43.9	-	57.8	-	40.4	-	164	-	170	-
Sodium Adsorption Ratio	ratio	-	0.426 ^a	-	0.841 ^a	-	0.651 ^a	-	0.258 ^a	-	2.10 ^a
Client Sample ID:		WHITEHEAD 4-13	WHITEHEAD 4-13								
Lab Sample ID:		D70234-6	D70234-6A								
Date Sampled:		04/30/2015	04/30/2015								
Matrix:		Soil	Soil								
GC Volatiles (SW846 8015B)											
TPH-GRO (C6-C10)	mg/kg	ND (6.1)	-								
GC Semi-volatiles (SW846-8015B)											
TPH-DRO (C10-C28)	mg/kg	127	-								
Metals Analysis											
Calcium	mg/l	-	10.0								
Magnesium	mg/l	-	4.04								
Sodium	mg/l	-	9.37								
General Chemistry											
Solids, Percent	%	90.4	-								
Specific Conductivity	umhos/cm	84.3	-								
Sodium Adsorption Ratio	ratio	-	0.632 ^a								
Footnotes:											
^a Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+(Mg meq/L)/2]											