

**State of Colorado  
Oil and Gas Conservation Commission**

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



FOR OGCC USE ONLY

**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.

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**

<b>OGCC Operator Number:</b> 10071		<b>Contact Name and Telephone</b>	
Name of Operator: <u>Bill Barrett Corporation (BBC)</u>		Name: <u>Scott Ghan</u>	
Address: <u>112 Red Feather Trail</u>		No: <u>970-876-1959</u>	
City: <u>Silt</u> State: <u>CO</u> Zip: <u>81652</u>		Fax: <u>970-876-0981</u>	
API/Facility No: <u>417356</u>		County: <u>Garfield</u>	
Facility Name: <u>BBC Pad Upper and Lower Pits</u>		Facility Number: _____	
Well Name: _____		Well Number: _____	
Location (QtrQtr, Sec, Twp, Rng, Meridian): <u>SENE, S 23, T 6 S, R 92 W, 6th PM</u>		Latitude: <u>39.512845</u> Longitude: <u>-107.626304</u>	

**TECHNICAL CONDITIONS**

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

**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.): Non-cropland - rangeland

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: Potts loam 6-12%, Torriorthents-Camborthids-Rock outcrop complex, steep

Potential receptors (water wells within 1/4 mi, surface waters, etc.): Two domestic water wells are located approximately 430 feet (ft.) southwest and 580 ft. north northwest of the pit.

**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>Please see the attached site investigation report</u>	_____
<input type="checkbox"/> Vegetation	_____	_____
<input type="checkbox"/> Groundwater	_____	_____
<input type="checkbox"/> Surface water	_____	_____

**REMEDIATION WORKPLAN**

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

Please refer to the Form 27 submitted on 6/18/11 (Remediation #5093).

Describe how source is to be removed:

Please see the attached site investigation report

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.:

Please see the attached site investigation report



Tracking Number: Name of Operator: BBC OGCC Operator No: 10071 Received Date: Well Name & No: Facility Name & No.: BBC Pad Upper Pit 417356

REMEDIATION WORKPLAN (CONT.)

OGCC Employee:

If groundwater has been impacted, describe proposed monitoring plan (# of wells or sample points, sampling schedule, analytical methods, etc.): Groundwater was not encountered during sampling activities. Based on topography and depth to water levels for wells located within 0.25 miles of the facility, the depth to groundwater is estimated to be approximately 100 ft. bgs (below ground surface).

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. The pit location will be recontoured and reseeded in accordance with the interim reclamation specified in the Application for Permit to Drill for wells at this facility. BBC's field-wide weed management plan will continue to be implemented at this facility

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 [X] N If yes, describe: BBC conducted sampling of domestic water wells within 0.5 miles as required by the NOAV letter dated May 21, 2010. Results from the water wells do not indicate any impacts originating from the upper pit release. Site assessment results indicate that soil and groundwater were not impacted as a result of the release from the Upper BBC Pit. As a result of the findings from multiple investigation activities performed following the NOAV, BBC is requesting a No Further Action determination.

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

IMPLEMENTATION SCHEDULE

Table with 4 columns: Date Site Investigation Began (5/4/11), Date Site Investigation Completed (5/5/11), Remediation Plan Submitted (6/18/11), Remediation Start Date (5/4/11), Anticipated Completion Date (NA), Actual Completion Date (5/5/11)

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: Scott Ghan

Signed: [Signature] Title: E H & S Coordinator Date: 10/3/11

OGCC Approved: Title: Date: