

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



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

FOR OGCC USE ONLY

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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: <u>96850</u>	Contact Name and Telephone: <u>Karolina Blaney</u>
Name of Operator: <u>Williams Production RMT Company</u>	No: <u>970 683 2295</u>
Address: <u>1058 CR 215</u>	Fax: <u>970 285 9573</u>
City: <u>Parachute</u> <u>Location ID #</u> State: <u>CO</u> Zip: <u>81635</u>	
API Number: <u>05-045-17833, facility # 335429</u>	County: <u>Garfield</u>
Facility Name: <u>KP 34-17</u>	Facility Number: <u>KP 34-17</u> <u>PIT # 422645</u>
Well Name: <u>KP 344-17</u>	Well Number: <u>KP 344-17</u>
Location: (QtrQtr, Sec, Twp, Rng, Meridian): <u>SWSE- S17-6S-91W-6 M</u>	Latitude: <u>39.521604</u> Longitude: <u>-107.5758</u>

**TECHNICAL CONDITIONS**

Type of Waste Causing Impact (crude oil, condensate, produced water, etc): flared gas

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.): Rangeland

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: 68 - Vale Silt Loam

Potential receptors (water wells within 1/4 mi, surface waters, etc.): 636' from surface water, 2711' from water well, 85' to groundwater

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

Impacted Media (check):	Extent of Impact:	How Determined:
<input type="checkbox"/> Soils	<u>none</u>	_____
<input type="checkbox"/> Vegetation	<u>none</u>	_____
<input type="checkbox"/> Groundwater	<u>none</u>	_____
<input type="checkbox"/> Surface Water	<u>none</u>	_____

**REMEDIALTION WORKPLAN**

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

No action was taken because the pit was never used.

Describe how source is to be removed:

There is no contamination source due to the fact that the pit was never used.

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.:

No remediation is necessary. The analytical results indicate hydrocarbon content below COGCC Table 910-1 requirements.

PIT KP 34-17

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



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

Page 2 REMEDIATION WORKPLAN (Cont.)

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

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

Ground water has not been impacted.

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 will be reclaimed in accordance with the 1000 series rules.

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:

One grab sample was collected from the middle of the pit. See attached plat for the grab sample and pit location. See attached analytical report for the analytical results.

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

No E&P waste was generated.

IMPLEMENTATION SCHEDULE

Table with 3 columns: 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: Karolina Blaney Signed: Karolina Blaney Title: Environmental Specialist Date: 2/15/2011

OGCC Approved: [Signature] Title: FOR Chris Camfield Date: 04/15/2011 EPC NW Region

## Report of Analysis

<b>Client Sample ID:</b> KP 34-17		
<b>Lab Sample ID:</b> T63164-9		<b>Date Sampled:</b> 11/01/10
<b>Matrix:</b> SO - Soil		<b>Date Received:</b> 11/08/10
<b>Method:</b> SW846 8015		<b>Percent Solids:</b> 84.6
<b>Project:</b> TPH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB0003393.D	1	11/10/10	AT	n/a	n/a	GBB184
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.29 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.5	0.39	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		46-127%
98-08-8	aaa-Trifluorotoluene	105%		44-120%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

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<b>Matrix:</b> SO - Soil		<b>Date Received:</b> 11/08/10
<b>Method:</b> SW846 8015 M SW846 3550B		<b>Percent Solids:</b> 84.6
<b>Project:</b> TPH		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IF202515.D	1	11/10/10	EM	11/09/10	OP16625	GIB1124
Run #2							

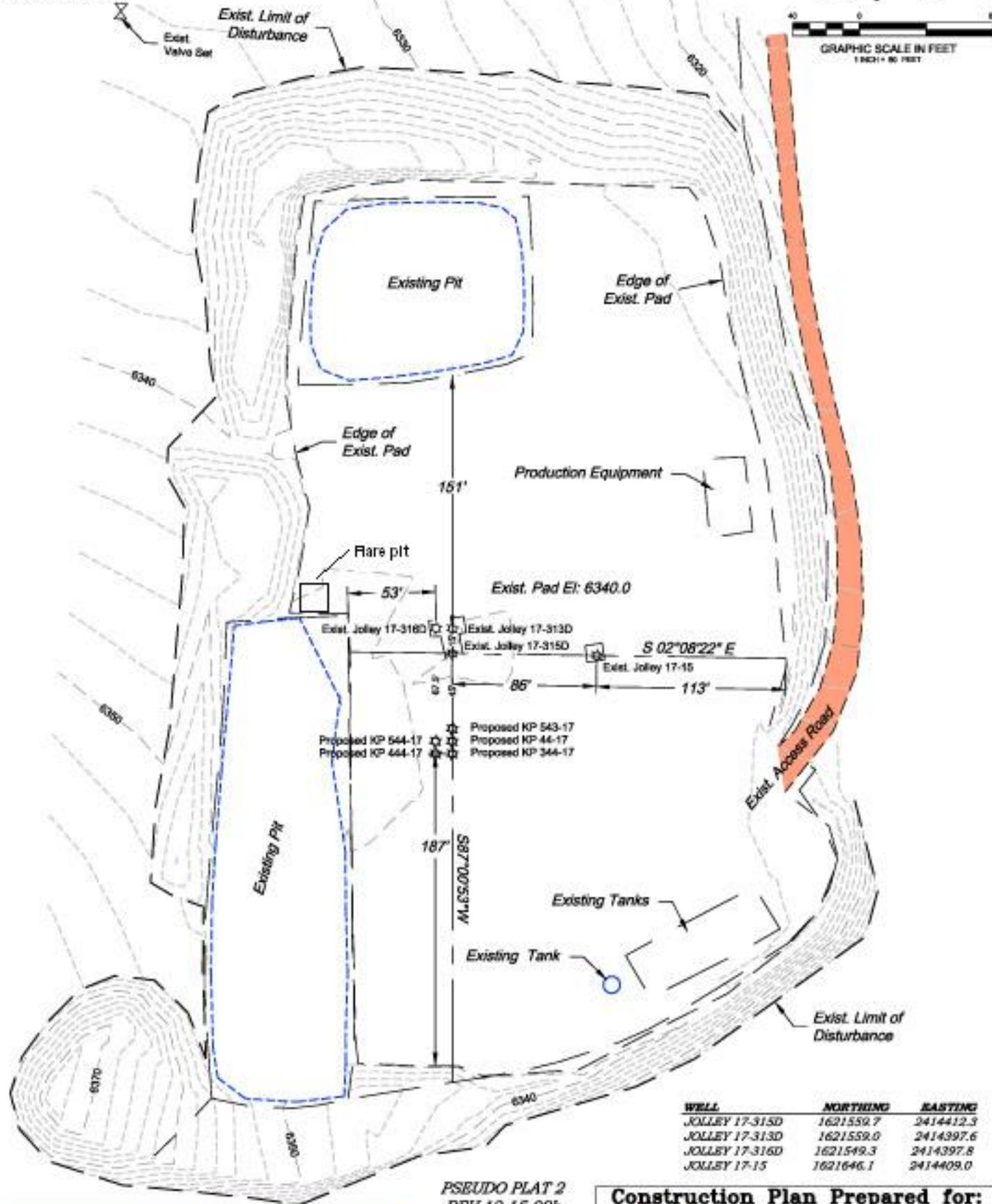
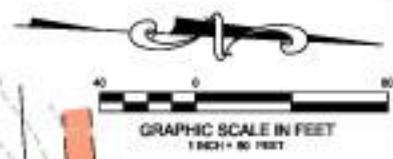
	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	5.67	3.9	3.2	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	81%		33-115%		

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
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Section 17  
T. 6 S., R 91 W



WELL	NORTHING	EASTING
JOLLEY 17-315D	1621559.7	2414412.3
JOLLEY 17-313D	1621559.0	2414397.6
JOLLEY 17-316D	1621549.3	2414397.8
JOLLEY 17-15	1621646.1	2414409.0

PSEUDO PLAT 2  
REV 12-15-09b

Construction Plan Prepared for:  
**Williams** Williams Production, RMT

SCALE: 1" = 80'  
DATE: 12/11/09  
PLAT: 1 of 1  
PROJECT: Williams  
DPT: DPM

KP 34-17 Drill Pad - Plat 2  
CONSTRUCTION LAYOUT

120 East Third Street  
Bldg. Colorado #1002  
P.O. Box 635-1330  
P.O. Box 635-1330  
Fax (970) 625-5773

**BOOKCLIFF**  
Survey Services, Inc.