FORM
27
Rev 6/99

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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

#6360

FOR OGCC USE ONLY

RECEIVED
9/30/2011

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: 96850
Name of Operator: Williams Production RMT Company
Address: 1058 CR 215
City: Parachute State: CO Zip: 81635

Contact Name and Telephone:
Karolina Blaney
No: 970/683-2295
Fax: 970/285-9573

API Number: 05-045-17101
Facility Name: _____
Well Name: _____

County: Garfield
Facility Number: SR 33-9 (COGCC # 335037)
Well Number: SR 33-9

Location: (QtrQtr, Sec, Twp, Rng, Meridian): NWSE- S9-T7S-R94W- 06M
Latitude: 39.450579 Longitude: -107.887553

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.): Range Land

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: 45 - Morval-Tridell

Potential receptors (water wells within 1/4 mi, surface waters, etc.): 728' from surface water, 3816' from water well, 90' to groundwater

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

Impacted Media (check):	Extent of Impact:	How Determined:
☐ Soils	none	
☐ Vegetation	none	
☐ Groundwater	none	
☐ Surface Water	none	

REMEDIATION 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.

Submit Page 2 with Page 1

Flare pit never used

FORM 27 Rev 6/99

Page 2

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

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

Date Site Investigation Began: 9/8/2011	Date Site Investigation Completed: 9/21/2011	Date Remediation Plan Submitted: 9/30/2011
Remediation Start Date: NA	Anticipated Completion Date: NA	Actual Completion Date: 9/21/2011

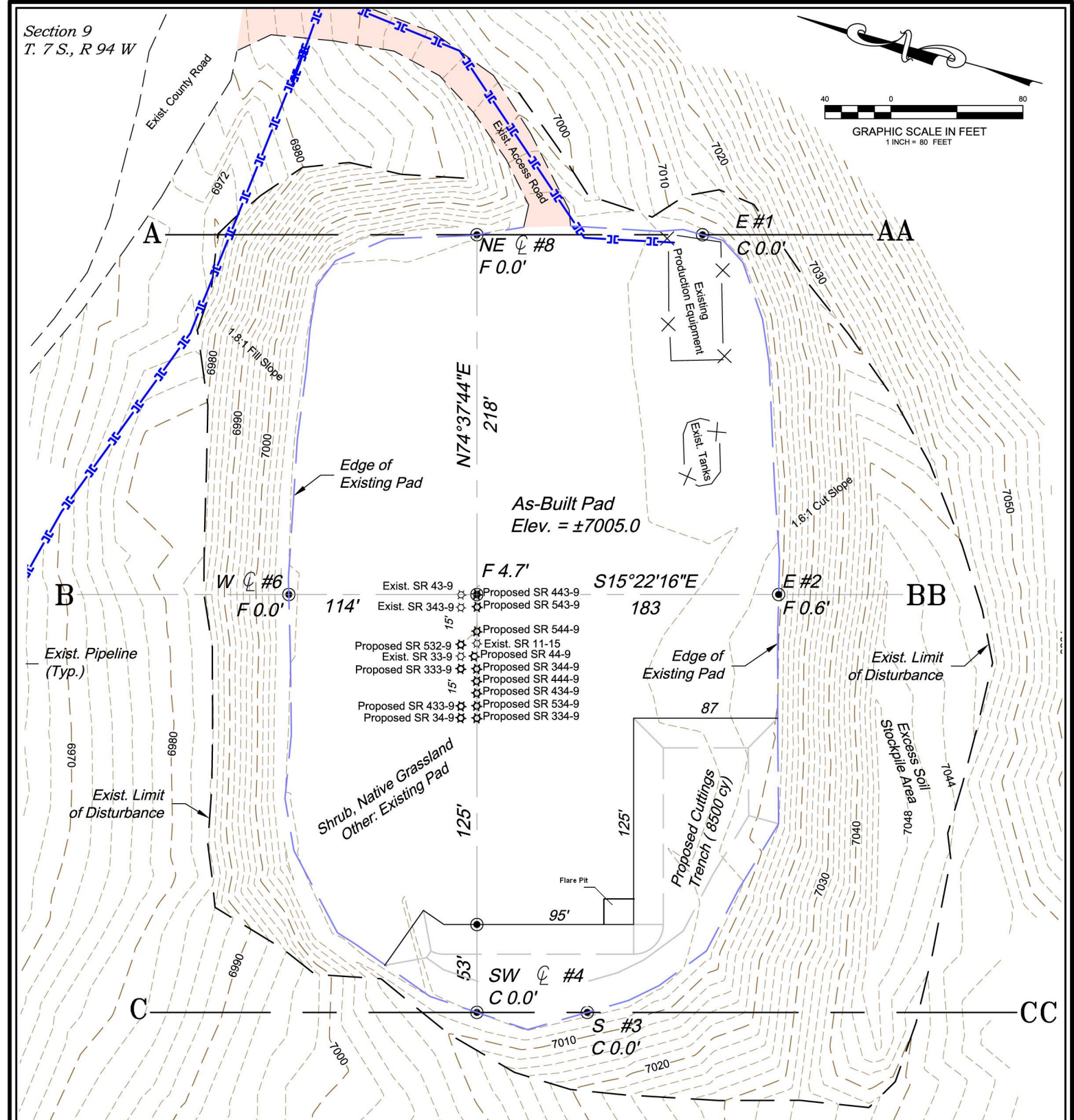
I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: Karolina Blaney Signed: Karolina Blaney

Title: Environmental Specialist Date: 9/30/2011

OGCC Approved: Carly Bijan Title: FOR Chris Canfield Date: 10/13/2011

EPS NW Region



ESTIMATED EARTHWORK QUANTITIES (cy)				
ITEM	CUT	FILL	TOPSOIL	EXCESS
PAD	36326	33749	6515	3938(F)
PIT	9079			9079
TOTALS	45405	33749	6515	5141

*NOTE:
1.) Total Disturbed Area = 6.35 ac.

136 East Third Street
Rifle, Colorado 81650
Ph. (970) 625-1330
Fax (970) 625-2773

BOOKCLIFF Survey Services, Inc.

SCALE: 1" = 80'
DATE: 6/18/10
PLAT: 2 of 9
PROJECT: Williams Valley
DFT: cws

Construction Plan Prepared for:
Williams Production, RMT

SR 33-9 Drill Pad - Plat 2
CONSTRUCTION LAYOUT

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Karolina Blaney
Williams
1058 County Road 215
Parachute, CO 81635

Report Summary

Wednesday September 21, 2011

Report Number: L535874
Samples Received: 09/14/11
Client Project:

Description: CR 33-9 Flare Pit

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By: 

T. Alan Harvill , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002,NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,
TX - T104704245, OK-9915, PA - 68-02979

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.
Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

ESC LAB SCIENCES
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REPORT OF ANALYSIS

Karolina Blaney
Williams
1058 County Road 215
Parachute, CO 81635

September 21, 2011

ESC Sample # : L535874-01

Date Received : September 14, 2011
Description : CR 33-9 Flare Pit

Site ID :

Sample ID : SR 33-9

Project # :

Collected By :
Collection Date : 09/08/11 14:25

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
TPH (GC/FID) Low Fraction	BDL	0.50	mg/kg	8015D/GRO	09/14/11	5
Surrogate Recovery (70-130)						
a,a,a-Trifluorotoluene(FID)	96.5		% Rec.	602/8015	09/14/11	5
TPH (GC/FID) High Fraction	5.4	4.0	mg/kg	3546/DRO	09/19/11	1
Surrogate recovery(%)						
o-Terphenyl	67.9		% Rec.	3546/DRO	09/19/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

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Reported: 09/20/11 10:45 Revised: 09/21/11 14:56

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Williams
Karolina Blaney
1058 County Road 215

Parachute, CO 81635

Quality Assurance Report
Level II

L535874

September 21, 2011

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG555065	09/14/11 16:00
a,a,a-Trifluorotoluene(FID)		% Rec.	97.19	59-128	WG555065	09/14/11 16:00
TPH (GC/FID) High Fraction	< 4	ppm			WG555195	09/19/11 08:37
o-Terphenyl		% Rec.	71.10	50-150	WG555195	09/19/11 08:37

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
TPH (GC/FID) Low Fraction	mg/kg	5.5	5.26	95.7	67-135	WG555065
a,a,a-Trifluorotoluene(FID)				103.3	59-128	WG555065
TPH (GC/FID) High Fraction	ppm	60	49.0	81.7	50-150	WG555195
o-Terphenyl				82.79	50-150	WG555195

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
TPH (GC/FID) Low Fraction	mg/kg	5.32	5.26	97.0	67-135	1.06	20	WG555065
a,a,a-Trifluorotoluene(FID)				103.7	59-128			WG555065
TPH (GC/FID) High Fraction	ppm	49.6	49.0	83.0	50-150	1.25	25	WG555195
o-Terphenyl				83.30	50-150			WG555195

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
TPH (GC/FID) Low Fraction	mg/kg	138.	14.0	5.5	105.	55-109	L535693-01	WG555065
a,a,a-Trifluorotoluene(FID)					103.3	59-128		WG555065
TPH (GC/FID) High Fraction	ppm	52.3	0	60	87.1	50-150	L535926-01	WG555195
o-Terphenyl					74.40	50-150		WG555195

Matrix Spike Duplicate

Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
TPH (GC/FID) Low Fraction	mg/kg	113.	138.	83.3	55-109	20.3*	20	L535693-01	WG555065
a,a,a-Trifluorotoluene(FID)				103.3	59-128				WG555065
TPH (GC/FID) High Fraction	ppm	56.2	52.3	93.6	50-150	7.19	25	L535926-01	WG555195
o-Terphenyl				80.86	50-150				WG555195

Batch number /Run number / Sample number cross reference

WG555065: R1858312: L535874-01
WG555195: R1863012: L535874-01

* * Calculations are performed prior to rounding of reported values.
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Quality Assurance Report
Level II

L535874

September 21, 2011

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.