

**From:** [Spry ORourke, Linda](#)  
**To:** [Daniel\\_Padilla@oxy.com](mailto:Daniel_Padilla@oxy.com)  
**Cc:** [Scan, OGCC](#)  
**Subject:** Sundry 2215980  
**Date:** Monday, July 09, 2012 12:33:25 PM  
**Attachments:** [RMR 33-11form 4 2215980-annotated.pdf](#)

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Daniel,

The attached sundry has not been approved. Discrepancies in location data, and conflicting background sample information need to be resolved prior to approval. As noted on sundry, please revise and provide additional data, and resubmit referencing Sundry 2215980.

Thanks.

Amber, please associated this email and the annotated sundry attached with Sundry 2215980 in laserfiche. Thanks.

Linda Spry O'Rourke  
Environmental Protection Specialist, Northwest Region  
**Colorado Oil & Gas Conservation Commission**  
707 Wapiti Court  
Suite 204  
Rifle, CO 81650

(970) 625-2497 Office  
(970) 625-5682 Fax  
(970) 309-3356 Cellular  
[linda.spryorourke@state.co.us](mailto:linda.spryorourke@state.co.us)

FORM

4

Rev 12/05

## State of Colorado

## Oil and Gas Conservation Commission

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

DOCUMENT  
#2215980

## SUNDRY NOTICE

Submit original plus one copy. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full on Technical Information Page (Page 2 of this form.) Identify well or other facility by API Number or by OGCC Facility ID. Operator shall send an informational copy of all sundry notices for wells located in High Density Areas to the Local Government Designee (Rule 603b.)

RECEIVED  
9/8/2011

1. OGCC Operator Number: 66561	4. Contact Name: Daniel I. Padilla	Complete the Attachment Checklist OP OGCC
2. Name of Operator: OXY USA Inc.	Phone: 970.263.3637	
3. Address: 760 Horizon Drive, Suite 101 City: Grand Junction State: CO Zip: 81506	Fax: 970.263.3694	
5. API Number 05- 077-09233	OGCC Facility ID Number 334525	Survey Plat
6. Well/Facility Name: RMR (Reserve Pit)	7. Well/Facility Number 33-11	Additional Survey
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): NESW, Sec 33, T9S, R94W, 6th P	9. County: Mesa	Ice Eqpm Diagram
10. Field Name: Plateau	11. Federal, Indian or State Lease Number:	Technical Info Page x
		Lab data, Map x

api number is for  
Red Mountain  
Ranch 33-15.  
Resolve  
discrepancy and  
resubmit please.

## General Notice

<input type="checkbox"/> CHANGE OF LOCATION: Attach New Survey Plat (a change of surface area requires a new permit) S/L/FWL	
Change of Surface Footage from Exterior Section Lines:	
Change of Surface Footage to Exterior Section Lines:	
Change of Bottomhole Footage from Exterior Section Lines:	
Change of Bottomhole Footage to Exterior Section Lines:	
Bottomhole location Qtr/Qtr, Sec, Twp, Rng, Mer	
Latitude	Distance to nearest property line
Longitude	Distance to nearest bldg, public rd, utility or RR
Ground Elevation	Distance to nearest lease line
	Is location in a High Density Area (rule 603b)? Yes/No
	Distance to nearest well same formation
	Surface owner consultation date:
GPS DATA:	
Date of Measurement	PDOP Reading
	Instrument Operator's Name
<input type="checkbox"/> CHANGE SPACING UNIT	<input type="checkbox"/> Remove from surface bond
Formation	Signed surface use agreement attached
Formation Code	
Spacing order number	
Unit Acreage	
Unit configuration	
<input type="checkbox"/> CHANGE OF OPERATOR (prior to drilling):	<input type="checkbox"/> CHANGE WELL NAME
Effective Date:	From:
Plugging Bond: <input type="checkbox"/> Blanket <input type="checkbox"/> Individual	To:
	Effective Date:
<input type="checkbox"/> ABANDONED LOCATION:	<input type="checkbox"/> NOTICE OF CONTINUED SHUT IN STATUS
Was location ever built? <input type="checkbox"/> Yes <input type="checkbox"/> No	Date well shut in or temporarily abandoned:
Is site ready for inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No	Has Production Equipment been removed from site? <input type="checkbox"/> Yes <input type="checkbox"/> No
Date Ready for Inspection:	MIT required if shut in longer than two years. Date of last MIT
<input type="checkbox"/> SPUD DATE:	<input type="checkbox"/> REQUEST FOR CONFIDENTIAL STATUS (6 mos from date casing set)
<input type="checkbox"/> SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK	*submit cbl and cement job summaries
Method used	Cementing tool setting/perf depth
Cement volume	Cement top
Cement bottom	Date
<input type="checkbox"/> RECLAMATION: Attach technical page describing final reclamation procedures per Rule 1004.	
Final reclamation will commence on approximately	<input type="checkbox"/> Final reclamation is completed and site is ready for inspection.

## Technical Engineering/Environmental Notice

<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Report of Work Done	
Approximate Start Date:	Date Work Completed:	
Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)		
<input type="checkbox"/> Intent to Recomplete (submit form 2)	<input type="checkbox"/> Request to Vent or Flare	<input type="checkbox"/> E&P Waste Disposal
<input type="checkbox"/> Change Drilling Plans	<input type="checkbox"/> Repair Well	<input type="checkbox"/> Beneficial Reuse of E&P Waste
<input type="checkbox"/> Gross Interval Changed?	<input type="checkbox"/> Rule 502 variance requested	<input type="checkbox"/> Status Update/Change of Remediation Plans
<input type="checkbox"/> Casing/Cementing Program Change	<input checked="" type="checkbox"/> Other: Application of diff. standard	for Spills and Releases

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

Signed: Daniel I. Padilla  
Print Name: Daniel I. Padilla

Date: 9/7/11 Email: daniel\_padilla@oxy.com  
Title: Regulatory Advisor

OGCC Approved: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

1. OGCC Operator Number: 66561 API Number: 05-077-09233
2. Name of Operator: OXY USA Inc. OGCC Facility ID # 334525
3. Well/Facility Name: Red Mountain Ranch (Reserve Pit) Well/Facility Number: 33-11
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): NESW, Sec 33, T9S, R94W, 6th PM

This form is to be completed whenever a Sundry Notice is submitted requiring detailed report of work to be performed or completed. This form shall be transmitted within 30 days of work completed as a "subsequent" report and must accompany Form 4, page 1.

5. **DESCRIBE PROPOSED OR COMPLETED OPERATIONS**

OXY USA Inc. (Oxy) has completed reclamation of the above-mentioned reserve pit and requests to apply a different standard (see table on next page) to the COGCC Table 910-1 concentration levels for Arsenic (As). Based on post reclamation levels for As being below undisturbed background levels, Oxy's sundry requests to waive the COGCC Table 910-1 concentration for As. In this particular situation, the below the pit liner (Post Reclaim 09/29/2009) concentration for As is above COGCC Table 910-1 standards, but is below undisturbed background levels (see sampling locations on included location map).

The sampling method Oxy employed was to take a representative random grab sample for each background sample location. The analytical concentrations table identifies the COGCC Table 910-1 concentration levels, Oxy's undisturbed background concentrations, and Oxy's post reclamation concentrations (Post Reclaim 09/29/2009). Based on the background sample concentrations, Oxy's sundry notice request to apply different standards to the COGCC Table 910-1 concentration levels.

The reclaimed pit was contoured to be level with the pad grade to minimize stormwater runoff, during operational phase of the pad. Final pad reclamation will occur at the end of the life of the pad.

Note:

Text describes the background sample collection procedure as "random grab samples collected from each background sample location". The attached diagram shows 5 background sample locations. Results for a single background sample are included in the data table and analytical package.

The single background sample displays concentrations of TPH and ethylbenzene, both below Table 910-1 levels. Laboratory quality control data is not included in laboratory data package presented. Presence of both TPH and ethylbenzene in background sample, although ethylbenzene is J flagged, indicates background sample may have not be from undisturbed material. Laboratory blank sample data would be needed to evaluate source of J flag on background sample: is it low level concentration of carry over from previous sample or low level detection.

1. Revise submittal to reflect background sample data results from all background locations or explain discrepancy in number of background samples.
2. Provide full laboratory package, including laboratory quality control samples.
3. Resubmit, referencing sundry number 2215980.



**OXY USA Inc.**  
760 Horizon Drive, Suite 101  
Grand Junction, CO 81506

# Red Mountain Ranch 33-11 Reserve Pit Sampling Map

Mesa County, Colorado

0 0.005 0.01 0.015 0.02 Miles



Pit Sample Locations ●  
Background sample locations ●

Approximate Location of Pit



## MEMORANDUM

**To:** File

**From:** Padilla, Daniel I., Regulatory

**CC:**

**Date:** 07/06/2011

**Subject:** Reserve Pit Closure Red Mountain 33-11

---

This memorandum documents Oxy's reserve pit closure located on the Red Mountain 33-11 pad. The pad is located in NESW, Section 33, Township 9S, Range 94W, Mesa County, Colorado. The pad is fee owned. In accordance with COGCC rules in effect at the time of pit closure, specifically Rules 907.a, b, and c, 909 a, b, e, Rule 910 a, & b. The pit was backfilled and soil samples collected to verify compliance with COGCC Table 910-1. The analytical results confirm that the pit met allowable concentration levels for all analytes except for Arsenic (As). Based on the analytical results, background samples were collected to account for the elevated levels of As post reclamation. The background samples revealed As levels that were greater than or equal to the post reclamation As levels. Oxy will submit a Form 4 Sundry notice to request that the COGCC allow this pit to be closed as is.

Additional information as follows:

- This reserve pit supported drilling and initial completion activities for up to 5 wells, which include:
  - Red Mountain Ranch 33-15, API # 05-077-09233
  - Red Mountain Ranch 33-14, API # 05-077-09234
  - Red Mountain Ranch 4-2, API # 05-077-09235
  - Red Mountain Ranch 33-13, API # 05-077-09236
  - Red Mountain Ranch 33-11, API # 05-077-09237
- The pit bottom was sampled for closure June 19, 2009 by Walsh Environmental Scientists and Engineers, LLC. Based on the sampling results of the pit bottom, except for Arsenic, all analytes were found to be below allowable concentration levels per the COGCC's table 910-1 rules which went into effect after the 2008 amended rules, which went into effect on April 1, 2009 for fee lands and July 1, 2009 for federal lands. The tabulated and original analytical lab data is attached.
- Background sampling was conducted on June 19, 2009 by Walsh Environmental Scientists and Engineers, LLC. Background samples revealed Arsenic levels that were greater than or equal to the post reclaim values. The tabulated and original analytical lab data is attached.
- Final reclamation of the pad will be completed once the last producing well on this pad has been P&A'ed.

**Attachments:** Tabulated laboratory analytical data  
Laboratory Analytical Report

## Pit Reclaims - Collbran

Pad #:	Red Mountain 33-11
Sample Date:	09/29/2009
Clearance Achieved Date:	10/19/2009

	Sample Identifications (mg/kg)		
	MCL (mg/kg)	Post Reclaim	Background
Organics in Soil			
TPH (GRO and DRO)	500	6.1	32.0
Benzene	0.17	<0.00082	<0.00082
Toluene	85	<0.0082	<0.0082
Ethylbenzene	100	<0.00082	0.0017
Xylenes	175	<0.0025	<0.0025
Organics in Soil (PAH's)			
Acenaphthene	1000	<0.010	<0.010
Anthracene	1000	<0.0080	<0.0080
Benzo(A)anthracene	0.22	<0.0086	<0.0086
Benzo(B)fluoranthene	0.22	<0.013	<0.013
Benzo(K)fluoranthene	2.2	<0.011	<0.011
Benzo(A)pyrene	0.022	<0.0092	<0.0092
Chrysene	22	<0.011	<0.011
Dibenzo(A,H)anthracene	0.022	<0.0093	<0.0093
Fluoranthene	1000	<0.0076	<0.0076
Flourene	1000	<0.011	<0.011
Indeno(1,2,3,C,D)pyrene	0.22	<0.0099	<0.0099
Napthalene	23	<0.0081	<0.0081
Pyrene	1000	<0.010	<0.010
Inorganics in Soil			
EC	<4 mmhos/cm or 2X background	0.220	0.072
SAR	<12	1.4	1.4
pH	6-9	7.8	7.1
Metals in Soils			
Arsenic	0.39	0.65	0.86
Barium	15000	120	100
Boron (Hot Water Soluble)	2 (mg/L)	0.5	1.1
Cadmium	70	0.82	0.82
Chromium	12000	20.0	20.0
Chromium VI	23	2.2	<2.6
Copper	3100	16.0	16.0
Lead	400	9.9	10.0
Mercury	23	0.0098	0.013
Nickel	1600	11.0	122.0
Selenium	390	<0.33	<0.33
Silver	390	<0.16	<0.16
Zinc	23000	48.0	53.0



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Brett Kennedy  
OXY USA Inc - Grand Junction, CO  
760 Horizon Dr., Ste. 101

Grand Junction, CO 81506

Report Summary

Wednesday July 22, 2009

Report Number: L408717

Samples Received: 06/20/09

Client Project:

Description: Pit Reclaims - Collbran

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:

  
Mark W. Beasley, 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

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

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



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## REPORT OF ANALYSIS

Brett Kennedy  
OXY USA Inc - Grand Junction, CO  
760 Horizon Dr., Ste. 101  
Grand Junction, CO 81506

July 22, 2009

Date Received : June 20, 2009  
Description : Pit Reclaims - Collbran

ESC Sample # : L408717-01

Sample ID : RED MOUNT. 33-11-BG

Site ID :

Collected By : Brett Kennedy  
Collection Date : 06/19/09 12:20

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Chromium, Hexavalent	U	2.6	50.	mg/kg	O	3060A/7	06/25/09	25
ORP	170			mV		2580	06/23/09	1
pH	7.1			su		9045D	06/24/09	1
Sodium Adsorption Ratio	1.4					Calc.	06/26/09	1
Specific Conductance	72.			umhos/cm		9050AMo	06/23/09	1
Mercury	0.013	0.0025	0.020	mg/kg	J	7471	06/22/09	1
Arsenic	0.86	0.27	1.0	mg/kg	J	6010B	06/26/09	1
Barium	100	0.054	0.25	mg/kg		6010B	06/26/09	1
Cadmium	0.82	0.037	0.25	mg/kg		6010B	06/26/09	1
Chromium	20.	0.098	0.50	mg/kg		6010B	06/26/09	1
Copper	16.	0.30	1.0	mg/kg		6010B	06/26/09	1
Lead	10.	0.096	0.25	mg/kg		6010B	06/26/09	1
Nickel	12.	0.49	1.0	mg/kg		6010B	06/26/09	1
Selenium	U	0.33	1.0	mg/kg		6010B	06/26/09	1
Silver	U	0.16	0.50	mg/kg		6010B	06/26/09	1
Zinc	53.	0.44	1.5	mg/kg		6010B	06/26/09	1
Benzene	U	0.00082	0.0025	mg/kg		8021/80	06/24/09	5
Toluene	U	0.0082	0.025	mg/kg		8021/80	06/24/09	5
Ethylbenzene	0.0017	0.00082	0.0025	mg/kg	J	8021/80	06/24/09	5
Total Xylene	U	0.0025	0.0075	mg/kg		8021/80	06/24/09	5
TPH (GC/FID) Low Fraction	U	0.16	0.50	mg/kg		GRO	06/24/09	5
Surrogate Recovery-%								
a,a,a-Trifluorotoluene (FID)	96.7			% Rec.		8021/80	06/24/09	5
a,a,a-Trifluorotoluene (PID)	104.			% Rec.		8021/80	06/24/09	5
TPH (GC/FID) High Fraction	32.	1.3	4.0	mg/kg		3546/DR	06/23/09	1
Surrogate recovery(%)								
o-Terphenyl	99.2			% Rec.		3546/DR	06/23/09	1
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.0080	0.033	mg/kg		8270C	06/24/09	1
Acenaphthene	U	0.010	0.033	mg/kg		8270C	06/24/09	1
Acenaphthylene	U	0.010	0.033	mg/kg		8270C	06/24/09	1
Benzo(a)anthracene	U	0.0086	0.033	mg/kg		8270C	06/24/09	1
Benzo(a)pyrene	U	0.0092	0.033	mg/kg		8270C	06/24/09	1
Benzo(b)fluoranthene	U	0.013	0.033	mg/kg		8270C	06/24/09	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 07/22/09 16:38 Printed: 07/22/09 16:39

L408717-01 (ORP) - 173@21.8C

L408717-01 (PH) - 7.1@22.9C

L408717-01 (CR6) - diluted due to sample color



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REPORT OF ANALYSIS

Brett Kennedy  
OXY USA Inc - Grand Junction, CO  
760 Horizon Dr., Ste. 101  
Grand Junction, CO 81506

July 22, 2009

Date Received : June 20, 2009  
Description : Pit Reclaims - Collbran

Sample ID : RED MOUNT. 33-11-BG

Collected By : Brett Kennedy  
Collection Date : 06/19/09 12:20

ESC Sample # : L408717-01

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzo(g,h,i)perylene	U	0.0089	0.033	mg/kg		8270C	06/24/09	1
Benzo(k)fluoranthene	U	0.011	0.033	mg/kg		8270C	06/24/09	1
Chrysene	U	0.011	0.033	mg/kg		8270C	06/24/09	1
Dibenz(a,h)anthracene	U	0.0093	0.033	mg/kg		8270C	06/24/09	1
Fluoranthene	U	0.0076	0.033	mg/kg		8270C	06/24/09	1
Fluorene	U	0.011	0.033	mg/kg		8270C	06/24/09	1
Indeno(1,2,3-cd)pyrene	U	0.0099	0.033	mg/kg		8270C	06/24/09	1
Naphthalene	U	0.0081	0.033	mg/kg		8270C	06/24/09	1
Phenanthrene	U	0.0087	0.033	mg/kg		8270C	06/24/09	1
Pyrene	U	0.010	0.033	mg/kg		8270C	06/24/09	1
Surrogate Recovery								
Nitrobenzene-d5	71.0			% Rec.		8270C	06/24/09	1
2-Fluorobiphenyl	60.9			% Rec.		8270C	06/24/09	1
p-Terphenyl-d14	64.0			% Rec.		8270C	06/24/09	1

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L408717-01 (ORP) - 173@21.8C

L408717-01 (PH) - 7.1@22.9C

L408717-01 (CR6) - diluted due to sample color



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## REPORT OF ANALYSIS

Brett Kennedy  
OXY USA Inc - Grand Junction, CO  
760 Horizon Dr., Ste. 101  
Grand Junction, CO 81506

July 22, 2009

Date Received : June 20, 2009  
Description : Pit Reclaims - Collbran

Sample ID : RED MOUNT. 33-11-REC

Collected By : Brett Kennedy  
Collection Date : 06/19/09 12:05

ESC Sample # : L408717-02

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Chromium, Hexavalent	2.2	1.0	20.	mg/kg	JO	3060A/7	06/25/09	10
ORP	170			mV		2580	06/23/09	1
pH	7.8			su		9045D	06/24/09	1
Sodium Adsorption Ratio	1.4					Calc.	06/26/09	1
Specific Conductance	220			umhos/cm		9050AMo	06/23/09	1
Mercury	0.0098	0.0025	0.020	mg/kg	J	7471	06/22/09	1
Arsenic	0.65	0.27	1.0	mg/kg	J	6010B	06/26/09	1
Barium	120	0.054	0.25	mg/kg		6010B	06/26/09	1
Cadmium	0.82	0.037	0.25	mg/kg		6010B	06/26/09	1
Chromium	20.	0.098	0.50	mg/kg		6010B	06/26/09	1
Copper	16.	0.30	1.0	mg/kg		6010B	06/26/09	1
Lead	9.9	0.096	0.25	mg/kg		6010B	06/26/09	1
Nickel	11.	0.49	1.0	mg/kg		6010B	06/26/09	1
Selenium	U	0.33	1.0	mg/kg		6010B	06/26/09	1
Silver	U	0.16	0.50	mg/kg		6010B	06/26/09	1
Zinc	48.	0.44	1.5	mg/kg		6010B	06/26/09	1
Benzene	U	0.00082	0.0025	mg/kg		8021/80	06/23/09	5
Toluene	U	0.0082	0.025	mg/kg		8021/80	06/23/09	5
Ethylbenzene	U	0.00082	0.0025	mg/kg		8021/80	06/23/09	5
Total Xylene	U	0.0025	0.0075	mg/kg		8021/80	06/23/09	5
TPH (GC/FID) Low Fraction	U	0.16	0.50	mg/kg		GRO	06/23/09	5
Surrogate Recovery-%								
a,a,a-Trifluorotoluene (FID)	93.7			% Rec.		8021/80	06/23/09	5
a,a,a-Trifluorotoluene (PID)	101.			% Rec.		8021/80	06/23/09	5
TPH (GC/FID) High Fraction	6.1	1.3	4.0	mg/kg		3546/DR	06/23/09	1
Surrogate recovery(%)								
o-Terphenyl	89.5			% Rec.		3546/DR	06/23/09	1
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.0080	0.033	mg/kg		8270C	06/24/09	1
Acenaphthene	U	0.010	0.033	mg/kg		8270C	06/24/09	1
Acenaphthylene	U	0.010	0.033	mg/kg		8270C	06/24/09	1
Benzo(a)anthracene	U	0.0086	0.033	mg/kg		8270C	06/24/09	1
Benzo(a)pyrene	U	0.0092	0.033	mg/kg		8270C	06/24/09	1
Benzo(b)fluoranthene	U	0.013	0.033	mg/kg		8270C	06/24/09	1

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L408717-02 (CR6) - diluted due to sample color

L408717-02 (ORP) - 168@21.6C

L408717-02 (PH) - 7.8@23.1C



ENVIRONMENTAL  
SCIENCE CORP.

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Est. 1970

REPORT OF ANALYSIS

Brett Kennedy  
OXY USA Inc - Grand Junction, CO  
760 Horizon Dr., Ste. 101  
Grand Junction, CO 81506

July 22, 2009

Date Received : June 20, 2009  
Description : Pit Reclaims - Collbran

Sample ID : RED MOUNT. 33-11-REC

Collected By : Brett Kennedy  
Collection Date : 06/19/09 12:05

ESC Sample # : L408717-02

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzo(g,h,i)perylene	U	0.0089	0.033	mg/kg		8270C	06/24/09	1
Benzo(k)fluoranthene	U	0.011	0.033	mg/kg		8270C	06/24/09	1
Chrysene	U	0.011	0.033	mg/kg		8270C	06/24/09	1
Dibenz(a,h)anthracene	U	0.0093	0.033	mg/kg		8270C	06/24/09	1
Fluoranthene	U	0.0076	0.033	mg/kg		8270C	06/24/09	1
Fluorene	U	0.011	0.033	mg/kg		8270C	06/24/09	1
Indeno(1,2,3-cd)pyrene	U	0.0099	0.033	mg/kg		8270C	06/24/09	1
Naphthalene	U	0.0081	0.033	mg/kg		8270C	06/24/09	1
Phenanthrene	U	0.0087	0.033	mg/kg		8270C	06/24/09	1
Pyrene	U	0.010	0.033	mg/kg		8270C	06/24/09	1
Surrogate Recovery								
Nitrobenzene-d5	93.4			% Rec.		8270C	06/24/09	1
2-Fluorobiphenyl	81.3			% Rec.		8270C	06/24/09	1
p-Terphenyl-d14	80.7			% Rec.		8270C	06/24/09	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 07/22/09 16:38 Printed: 07/22/09 16:39

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