

Page 1

FORM  
4  
Rev 12/05

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303)694-2100 Fax: (303)694-2109



## 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)

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: 05-077-09337	OGCC Facility ID Number: 414313	Survey Plat
6. Well/Facility Name: Hawkins Ranch Pit	7. Well/Facility Number: 10-4	Directional Survey
8. Location (Qtr/Sec, Twp, Rng, Meridian): NWNW, Sec 10, T10S, R94W, 6th PM		Surface Equip Diagram
9. County: Mesa	10. Field Name: Grand Valley	Technical info Page
11. Federal, Indian or State Lease Number:		Other Lab data, map

## General Notice

<input type="checkbox"/> CHANGE OF LOCATION: Attach New Survey Plat (a change of surface qtr/qr is substantive and requires a new permit)	
Change of Surface Footage from Exterior Section Lines:	<input type="checkbox"/> PH/LFSL <input type="checkbox"/> FEL/FWL
Change of Surface Footage to Exterior Section Lines:	<input type="checkbox"/>
Change of Bottomhole Footage from Exterior Section Lines:	<input type="checkbox"/>
Change of Bottomhole Footage to Exterior Section Lines:	<input type="checkbox"/>
Bottomhole location 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 Formation Formation Code Spacing order number Unit Acreage Unit configuration	
<input type="checkbox"/> Remove from surface bond Signed surface use agreement attached	
<input type="checkbox"/> CHANGE OF OPERATOR (prior to drilling): Effective Date: Plugging Bond: <input type="checkbox"/> Blanket <input type="checkbox"/> Individual	
<input type="checkbox"/> CHANGE WELL NAME From: NUMBER To: Effective Date:	
<input type="checkbox"/> ABANDONED LOCATION: Was location ever built? <input type="checkbox"/> Yes <input type="checkbox"/> No Is site ready for inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No Date Ready for Inspection:	
<input type="checkbox"/> NOTICE OF CONTINUED SHUT IN STATUS Date well shut in or temporarily abandoned: Has Production Equipment been removed from site? <input type="checkbox"/> Yes <input type="checkbox"/> No 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 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 checked="" type="checkbox"/> Notice of Intent Approximate Start Date: 06/23/2011	<input type="checkbox"/> Report of Work Done 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: Pit Closure	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:   
Print Name: Daniel I. PadillaDate: 7/19/11 Email: daniel\_padilla@oxy.com  
Title: Regulatory AdvisorCOGCC Approved:   
CONDITIONS OF APPROVAL, IF ANY:Title: FOR  
Chris Canfield  
EPS NW Region

Date: 12/09/2011

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

- |  |                                  |                       |              |
|--|----------------------------------|-----------------------|--------------|
| 1. OGCC Operator Number:                       | 66561                            | API Number:           | 05-077-09337 |
| 2. Name of Operator:                           | OXY USA Inc.                     | OGCC Facility ID #    | 414313       |
| 3. Well/Facility Name:                         | Hawkins Ranch Pit                | Well/Facility Number: | 10-4         |
| 4. Location (QtrQtr, Sec, Twp, Rng, Meridian): | NWNW, Sec 10, T10S, 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 WTP LP (Oxy) has completed reclamation of the above-mentioned blowdown pit and will 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 will waive the COGCC Table 910-1 concentration for As. In this particular situation, the below the pit liner (Post Reclaim 04/05/2010) 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 04/05/2010). Based on the background sample concentrations, Oxy's sundry notice request to apply different standards to the COGCC Table 910-1 concentration levels due to elevated background concentrations for As.





OXY USA Inc.

760 Horizon Drive, Suite 101  
Grand Junction, CO 81506




## Hawkins Ranch 10-4 Sampling Locations Map

Updated: June 20, 2011 Mesa County, Colorado

Separators

Wells



-  Background Composite Sample
-  Background Sample - cardinal direction
-  Post Reclamation Composite Sample



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Est. 1970

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

Grand Junction, CO 81506

Report Summary

Wednesday April 01, 2009

Report Number: L394978

Samples Received: 03/28/09

Client Project:

Description: Pit Reclaims-Collbra

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, 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.

2 Samples Reported: 04/01/09 15:26 Printed: 04/01/09 15:26

Page 1 of 14



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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

April 01, 2009

Date Received : March 28, 2009  
Description : Pit Reclaims-Collbra  
Sample ID : HAWKINS 10-4-BG 0-6 FT  
Collected By : Brett Kennedy  
Collection Date : 03/27/09 10:45

ESC Sample # : L394978-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chromium, Hexavalent	BDL	2.0	mg/kg	3060A/7196A	04/01/09	1
ORP	160		mV	2580	03/30/09	1
pH	9.3		su	9045D	03/31/09	1
Sodium Adsorption Ratio	8.4			Calc.	04/01/09	1
Specific Conductance	310		umhos/cm	9050AMod	03/30/09	1
Mercury	BDL	0.020	mg/kg	7471	03/30/09	1
Arsenic	BDL	1.0	mg/kg	6010B	03/31/09	1
Barium	460	0.25	mg/kg	6010B	03/31/09	1
Cadmium	0.70	0.25	mg/kg	6010B	03/31/09	1
Chromium	12.	0.50	mg/kg	6010B	03/31/09	1
Copper	14.	1.0	mg/kg	6010B	03/31/09	1
Lead	11.	0.25	mg/kg	6010B	03/31/09	1
Nickel	24.	1.0	mg/kg	6010B	03/31/09	1
Selenium	BDL	1.0	mg/kg	6010B	03/31/09	1
Silver	BDL	0.50	mg/kg	6010B	03/31/09	1
Zinc	33.	1.5	mg/kg	6010B	03/31/09	1
Benzene	BDL	0.0025	mg/kg	8021/8015	03/31/09	5
Toluene	BDL	0.025	mg/kg	8021/8015	03/31/09	5
Ethylbenzene	BDL	0.0025	mg/kg	8021/8015	03/31/09	5
Total Xylene	BDL	0.0075	mg/kg	8021/8015	03/31/09	5
TPH (GC/FID) Low Fraction	BDL	0.50	mg/kg	GRO	03/31/09	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene (FID)	99.7		% Rec.	8021/8015	03/31/09	5
a,a,a-Trifluorotoluene (PID)	107.		% Rec.	8021/8015	03/31/09	5
TPH (GC/FID) High Fraction	BDL	4.0	mg/kg	3546/DRO	03/30/09	1
Surrogate recovery(%)						
o-Terphenyl	71.5		% Rec.	3546/DRO	03/30/09	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	03/30/09	1
Acenaphthene	BDL	0.033	mg/kg	8270C	03/30/09	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	03/30/09	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	03/30/09	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	03/30/09	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	03/30/09	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	03/30/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

L394978-01 (PH) - 9.3@18.9c



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REPORT OF ANALYSIS

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

April 01, 2009

Date Received : March 28, 2009  
Description : Pit Reclaims-Collbra  
Sample ID : HAWKINS 10-4-BG 0-6 FT  
Collected By : Brett Kennedy  
Collection Date : 03/27/09 10:45

ESC Sample # : L394978-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	03/30/09	1
Chrysene	BDL	0.033	mg/kg	8270C	03/30/09	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	03/30/09	1
Fluoranthene	BDL	0.033	mg/kg	8270C	03/30/09	1
Fluorene	BDL	0.033	mg/kg	8270C	03/30/09	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	03/30/09	1
Naphthalene	BDL	0.033	mg/kg	8270C	03/30/09	1
Phenanthrene	BDL	0.033	mg/kg	8270C	03/30/09	1
Pyrene	BDL	0.033	mg/kg	8270C	03/30/09	1
Surrogate Recovery						
Nitrobenzene-d5	72.2		% Rec.	8270C	03/30/09	1
2-Fluorobiphenyl	61.9		% Rec.	8270C	03/30/09	1
p-Terphenyl-d14	69.2		% Rec.	8270C	03/30/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Reported: 04/01/09 15:26 Printed: 04/01/09 15:26  
L394978-01 (PH) - 9.3@18.9c



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## REPORT OF ANALYSIS

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

April 01, 2009

Date Received : March 28, 2009  
Description : Pit Reclaims-Collbra  
Sample ID : HAWKINS 10-4-POST-REC 0-6 FT

ESC Sample # : L394978-02

Site ID :

Collected By : Brett Kennedy  
Collection Date : 03/27/09 10:52

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chromium, Hexavalent	BDL	2.0	mg/kg	3060A/7196A	04/01/09	1
ORP	170		mV	2580	03/30/09	1
pH	8.0		su	9045D	03/31/09	1
Sodium Adsorption Ratio	5.0			Calc.	04/01/09	1
Specific Conductance	330		umhos/cm	9050AMod	03/30/09	1
Mercury	BDL	0.020	mg/kg	7471	03/30/09	1
Arsenic	BDL	1.0	mg/kg	6010B	03/31/09	1
Barium	550	0.25	mg/kg	6010B	03/31/09	1
Cadmium	0.60	0.25	mg/kg	6010B	03/31/09	1
Chromium	12.	0.50	mg/kg	6010B	03/31/09	1
Copper	11.	1.0	mg/kg	6010B	03/31/09	1
Lead	8.9	0.25	mg/kg	6010B	03/31/09	1
Nickel	10.	1.0	mg/kg	6010B	03/31/09	1
Selenium	BDL	1.0	mg/kg	6010B	03/31/09	1
Silver	BDL	0.50	mg/kg	6010B	03/31/09	1
Zinc	36.	1.5	mg/kg	6010B	03/31/09	1
Benzene	BDL	0.0025	mg/kg	8021/8015	03/31/09	5
Toluene	BDL	0.025	mg/kg	8021/8015	03/31/09	5
Ethylbenzene	BDL	0.0025	mg/kg	8021/8015	03/31/09	5
Total Xylene	BDL	0.0075	mg/kg	8021/8015	03/31/09	5
TPH (GC/FID) Low Fraction	BDL	0.50	mg/kg	GRO	03/31/09	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	99.9		% Rec.	8021/8015	03/31/09	5
a,a,a-Trifluorotoluene(PID)	107.		% Rec.	8021/8015	03/31/09	5
TPH (GC/FID) High Fraction	BDL	4.0	mg/kg	3546/DRO	03/30/09	1
Surrogate recovery(%)						
o-Terphenyl	74.5		% Rec.	3546/DRO	03/30/09	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	03/30/09	1
Acenaphthene	BDL	0.033	mg/kg	8270C	03/30/09	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	03/30/09	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	03/30/09	1
Benzo(a)pyrene	BDL	0.033	mg/kg	8270C	03/30/09	1
Benzo(b)fluoranthene	BDL	0.033	mg/kg	8270C	03/30/09	1
Benzo(g,h,i)perylene	BDL	0.033	mg/kg	8270C	03/30/09	1

BDL - Below Detection Limit  
Det. Limit - Practical Quantitation Limit(PQL)  
L394978-02 (PH) - 8.0@19.6c



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REPORT OF ANALYSIS

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

April 01, 2009

Date Received : March 28, 2009  
Description : Pit Reclaims-Collbra

ESC Sample # : L394978-02

Sample ID : HAWKINS 10-4-POST-REC 0-6 FT

Site ID :

Collected By : Brett Kennedy  
Collection Date : 03/27/09 10:52

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzo(k)fluoranthene	BDL	0.033	mg/kg	8270C	03/30/09	1
Chrysene	BDL	0.033	mg/kg	8270C	03/30/09	1
Dibenz(a,h)anthracene	BDL	0.033	mg/kg	8270C	03/30/09	1
Fluoranthene	BDL	0.033	mg/kg	8270C	03/30/09	1
Fluorene	BDL	0.033	mg/kg	8270C	03/30/09	1
Indeno(1,2,3-cd)pyrene	BDL	0.033	mg/kg	8270C	03/30/09	1
Naphthalene	BDL	0.033	mg/kg	8270C	03/30/09	1
Phenanthrene	BDL	0.033	mg/kg	8270C	03/30/09	1
Pyrene	BDL	0.033	mg/kg	8270C	03/30/09	1
Surrogate Recovery						
Nitrobenzene-d5	63.6		% Rec.	8270C	03/30/09	1
2-Fluorobiphenyl	60.9		% Rec.	8270C	03/30/09	1
p-Terphenyl-d14	64.3		% Rec.	8270C	03/30/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Reported: 04/01/09 15:26 Printed: 04/01/09 15:26  
L394978-02 (PH) - 8.0@19.6c



Company Name/Address: <b>OXY USA - Grand Junction, CO</b>  2754 Compass Dr.. Ste. 170 Grand Junction.CO 81506				Alternate billing information:				Analysis/Container/Preservative <div style="writing-mode: vertical-rl; transform: rotate(180deg);">           As, Ba, Ca, Co, Cu, Pb, Hg, Ni, Se, Zn            (Cr, DL)            BTEX / TPH (GROUNDWATER)            PAH            EC            SAK            pH         </div>				Chain of Custody Page <u>1</u> of <u>1</u>  Prepared by:  <b>ENVIRONMENTAL SCIENCE CORP.</b> 12065 Lebanon Road Mt. Juliet, TN 37122  Phone (615) 758-5858 Phone (800) 767-5859 FAX (615) 758-5859  <b>D058</b> CoCode <b>OXYG100</b> (lab use only) Template/Prelogin Shipped Via:			
Report to: <b>Brett Kenney</b>				Email to: <b>brett.kenney@oxy.com</b>											
Project Description: <b>Pit Reclaims - Collbran</b>				City/State Collected: <b>—</b>											
Phone: (970) 263-3601		Client Project #:		ESC Key:											
FAX:															
Collected by: <b>Brett Kenney</b>		Site/Facility ID#:		P.O.#:											
Collected by (signature): <b>Brett Kenney</b>		<input checked="" type="checkbox"/> <b>Rush?</b> (Lab MUST Be Notified) <input type="checkbox"/> Same Day.....200% <input type="checkbox"/> Next Day.....100% <input type="checkbox"/> Two Day.....50% <input checked="" type="checkbox"/> Three Day.....25%		Date Results Needed:		Email? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes FAX? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		No. of Cntrs							
Immediately Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/>															
Sample ID	Comp/Grab	Matrix*	Depth	Date	Time					Remarks/Contaminant	Sample # (lab only)				
Hawkins 10-4-BG	Cmp	SS	0-6	3/27/09	1045					L394978	1394978-01				
Hawkins 10-4-Pit Rec	Cmp	SS	0-6	3/27/09	1052						02				

\*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other \_\_\_\_\_

pH \_\_\_\_\_ Temp \_\_\_\_\_

Remarks:

Flow \_\_\_\_\_ Other \_\_\_\_\_

865755341367

Relinquished by: (Signature) <b>Brett Kenney</b>	Date: <b>7/27/09</b>	Time: <b>1727</b>	Received by: (Signature) <b>[Signature]</b>	Samples returned via: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/> _____	Condition: <b>OK</b> (lab use only)
	Date:	Time:	Received by: (Signature)	Temp: <b>34</b>	Bottles Received: <b>8 (402)</b>
	Date:	Time:	Received for lab by: (Signature) <b>[Signature]</b>	Date: <b>3-28-09</b>	Time: <b>0900</b>
Relinquished by: (Signature)					CoC Seals Intact: <b>Y</b> <input type="checkbox"/> N <input checked="" type="checkbox"/> NA
Relinquished by: (Signature)					pH Checked: <b>NA</b> NCF:



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Est. 1970

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

### Report Summary

Tuesday May 11, 2010

Report Number: L458023

Samples Received: 05/08/10

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, NV - TN000032008A

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.

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REPORT OF ANALYSIS

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

May 11, 2010

Date Received : May 08, 2010  
Description : Pit Reclaims - Collbran  
Sample ID : HAWKINS 10-4 BG-S 0-6 IN  
Collected By : Brett Kennedy  
Collection Date : 05/06/10 15:40

ESC Sample # : L458023-01

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	1.8	0.32	1.0	mg/kg		6010B	05/10/10	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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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

# REPORT OF ANALYSIS

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

May 11, 2010

Date Received : May 08, 2010  
Description : Pit Reclaims - Collbran  
Sample ID : HAWKINS 10-4 BG-W 0-6 IN  
Collected By : Brett Kennedy  
Collection Date : 05/06/10 15:45

ESC Sample # : L458023-02

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	2.9	0.32	1.0	mg/kg		6010B	05/10/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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# REPORT OF ANALYSIS

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

May 11, 2010

Date Received : May 08, 2010  
Description : Pit Reclaims - Collbran  
Sample ID : HAWKINS 10-4 BG-N 0-6 IN  
Collected By : Brett Kennedy  
Collection Date : 05/06/10 15:50

ESC Sample # : L458023-03

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	2.8	0.32	1.0	mg/kg		6010B	05/10/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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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

May 11, 2010

Date Received : May 08, 2010  
Description : Pit Reclaims - Collbran  
Sample ID : HAWKINS 10-4 BG-E 0-6 IN  
Collected By : Brett Kennedy  
Collection Date : 05/06/10 15:55

ESC Sample # : L458023-04

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Arsenic	3.3	0.32	1.0	mg/kg		6010B	05/10/10	1

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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Summary of Remarks For Samples Printed  
05/11/10 at 09:17:00

TSR Signing Reports: 134  
R4 - Rush: Three Day

Sample: L458023-01 Account: OXYGJCO Received: 05/08/10 09:00 Due Date: 05/12/10 00:00 RPT Date: 05/11/10 09:16  
Sample: L458023-02 Account: OXYGJCO Received: 05/08/10 09:00 Due Date: 05/12/10 00:00 RPT Date: 05/11/10 09:16  
Sample: L458023-03 Account: OXYGJCO Received: 05/08/10 09:00 Due Date: 05/12/10 00:00 RPT Date: 05/11/10 09:16  
Sample: L458023-04 Account: OXYGJCO Received: 05/08/10 09:00 Due Date: 05/12/10 00:00 RPT Date: 05/11/10 09:16

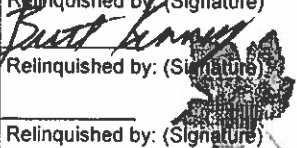
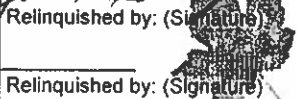
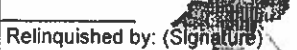


Company Name/Address: <b>OXY USA - Grand Junction, CO</b>  760 Horizon Dr., Ste. 101 Grand Junction, CO 81506				Alternate billing information:				Analysis/Container/Preservative				Chain of Custody Page 1 of 1  Prepared by: <b>D236</b>  <b>ENVIRONMENTAL SCIENCE CORP.</b> 12065 Lebanon Road Mt. Juliet, TN 37122  Phone (615) 758-5858 Phone (800) 767-5859 FAX (615) 758-5859	
Report to: <b>Brett Kennedy</b>				Email to: <b>brett.kennedy@oxy.com</b>									
Project Description: <b>Pit Reclaims - Collbran</b>				City/State Collected: <b>—</b>									
Phone: (970) 263-3601		Client Project #:		ESC Key:									
FAX:													
Collected by: <b>Brett Kennedy</b>		Site/Facility ID#:		P.O.#:									
Collected by (signature): 		<input checked="" type="checkbox"/> <b>Rush?</b> (Lab MUST Be Notified) <input type="checkbox"/> Same Day.....200% <input type="checkbox"/> Next Day.....100% <input type="checkbox"/> Two Day.....50% <input checked="" type="checkbox"/> Three Day.....25%		Date Results Needed: Email? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes FAX? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes		No. of Cntrs							
Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/>													
Sample ID	Comp/Grab	Matrix*	Depth	Date	Time							Remarks/Contaminant	Sample # (lab only)
Hawkins 10-4 BG-S	Grab	SS	0-6"	5/6/10	1540	1	✓					L458023-01	
Hawkins 10-4 BG-W	↓	↓	↓	↓	1545	1	✓					02	
Hawkins 10-4 BG-N	↓	↓	↓	↓	1550	1	✓					03	
Hawkins 10-4 BG-E	↓	↓	↓	↓	1555	1	✓					04	

\*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other \_\_\_\_\_

pH \_\_\_\_\_ Temp \_\_\_\_\_

Remarks:

Flow \_\_\_\_\_ Other \_\_\_\_\_

Relinquished by: (Signature)  Relinquished by: (Signature)  Relinquished by: (Signature) 	Date:	Time:	Received by: (Signature)	Samples returned via: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/> _____	Condition: (lab use only)  CoC Seals Intact Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA
	Date:	Time:	Received by: (Signature)	Temp: <b>3.4</b> Bottles Received: <b>4</b>	pH Checked:  NCF:
	Date:	Time:	Received for lab by: (Signature)	Date: <b>5-8-10</b> Time: <b>0700</b>	

8681 2129 9676

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

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 Employee:

☐ Spill ☐ Complaint  
☐ Inspection ☐ NOAV

Tracking No:

OGCC Operator Number: 66561

Name of Operator: OXY USA Inc.

Address: 760 Horizon Drive

City: Grand Junction

State: CO Zip: 81506

Contact Name and Telephone:

Daniel Padilla

No: (970) 263-3637

Fax: (970) 263-3694

API Number: 05-077-09337

County: Mesa

Facility Name: Hawkins Ranch Pit

Facility Number: 414313

Well Name: Hawkins Ranch

Well Number: 10-4

Location: (QtrQtr, Sec, Twp, Rng, Meridian): NWNW, Sec 10, T10S, R94W, 6th PM

Latitude: 39.21071

Longitude: -107.87404

TECHNICAL CONDITIONS

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

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: Hesperus-Pagoda Complex

Potential receptors (water wells within 1/4 mi, surface waters, etc.): Water Well ~ 1074' SW of Pit, Unnamed Irrigation Ditch ~ 405' N of Pit, Salt Creek ~ 740' E of Pit

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

Impacted Media (check):

- ☐ Soils  
☐ Vegetation  
☐ Groundwater  
☐ Surface Water

Extent of Impact:

None

No impact

NA

NA

How Determined:

See attached sample results

Visual

Visual inspection below pit liner

Visual

REMEDIALTION WORKPLAN

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

Oxy permitted this pit in October of 2009 as a special purpose pit for drilling and completion operations. Oxy has closed this pit and is providing this closure form/plan for COGCC review/approval.

Describe how source is to be removed:

Prior to pit closure, background samples were taken. Oxy removed liquids and solids found inside the lined pit. The liquids were disposed of at Danish Flats in Utah. Solids found in the pit were blended with native fill material and placed within the pit excavation for sampling. Oxy characterized the pit liner and soil found inside the pit. Based on the sampling results of the pit liner, the liner was disposed of at the Mesa County Landfill. Based on the sampling results of the pit bottom, all concentrations following the Table 910-1 analytes are below COGCC Table 910-1 standards. Arsenic and pH are found to be above the respective allowable Table 910-1 concentration, but below the undisturbed background samples collected.

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.:

Liquids and solids were removed from the pit. The liquids were transported for disposal to Danish Flats, a licensed commercial facility located in Utah. Soils found within the reserve pit were blended with native fill material and placed into the pit excavation for sampling. Analytical concentrations found in the pit bottom are below the COGCC Table 910-1 concentrations except for arsenic and pH, which are below the undisturbed background samples collected. The 36-mil HDPE liner was characterized and disposed of at the Mesa County Landfill. The site will be contoured and seeded.

Submit Page 2 with Page 1

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



Page 2  
REMEDATION WORKPLAN (Cont.)

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

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

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

No groundwater was impacted by the pit. The pit was lined with a 36-mil HDPE liner. Drill cuttings, completion sand, and initial completion flowback fluids were contained in the pit. There was no evidence of staining below the liner.

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 was constructed at grade of Oxy's Hawkins Ranch 10-4 multi-well pad, and was approximately 6' deep. Based on analytical results from the pit liner, Mesa County Landfill accepted the liner for final disposal. Based on the pit bottom sample results, all analytical concentrations were found to be below Table 910-1 concentrations except for arsenic and pH, which is found to be below undisturbed background samples, see attached table results. The reclaimed pit will be contoured to minimize stormwater runoff. The reclaimed pit area will also be seeded by the next growing season and later monitored to determine revegetation efforts.

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:

Oxy will monitor the site for stormwater compliance and will follow up the next growing season to determine if revegetation efforts were successful.

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

Oxy removed all solids and liquids within the pit. Oxy transported the liquids for disposal to Danish Flats, a licensed commercial disposal facility. Soils found within the reserve pit were mixed with native fill material and placed into the pit excavation for sampling. Samples collected from the pit bottom determined all concentrations to be below COGCC Table 910-1 concentrations except for arsenic and pH, which were found to be below undisturbed background concentrations. Note that the reserve pit liner was disposed of at the Mesa County Landfill.

#### IMPLEMENTATION SCHEDULE

Date Site Investigation Began: 2/15/2009	Date Site Investigation Completed: 4/5/2010	Date Remediation Plan Submitted: 11/1/10
Remediation Start Date: 3/4/2009	Anticipated Completion Date: 5/1/2009	Actual Completion Date: 4/27/2009

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

Print Name: Daniel Padilla

Signed:

Title: Regulatory Adv. Sr.

Date: 11/1/10

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

Pit Reclaims - Collbran	
Pad #:	Hawkins 10-4
Sample Date:	03/27/2009
Clearance Achieved Date:	

	MCL (mg/kg)	Sample Identifications (mg/kg)					
		Post Reclaim	Background	Background - S (05-06-10)	Background - W (05-06-10)	Background - N (05-06-10)	Background - E (05-06-10)
Organics in Soil							
TPH (GRO and DRO)	500	<0.50	<0.050	-	-	-	-
Benzene	0.17	<0.0025	<0.0025	-	-	-	-
Toluene	85	<0.025	<0.025	-	-	-	-
Ethylbenzene	100	<0.0025	<0.0025	-	-	-	-
Xylenes	175	<0.0075	<0.0075	-	-	-	-
Organics in Soil (PAH's)							
Acenaphthene	1000	<0.033	<0.033	-	-	-	-
Anthracene	1000	<0.033	<0.033	-	-	-	-
Benzo(A)anthracene	0.22	<0.033	<0.033	-	-	-	-
Benzo(B)fluoranthene	0.22	<0.033	<0.033	-	-	-	-
Benzo(K)fluoranthene	2.2	<0.033	<0.033	-	-	-	-
Benzo(A)pyrene	0.022	<0.033	<0.033	-	-	-	-
Chrysene	22	<0.033	<0.033	-	-	-	-
Dibenzo(A,H)anthracene	0.022	<0.033	<0.033	-	-	-	-
Fluoranthene	1000	<0.033	<0.033	-	-	-	-
Flourene	1000	<0.033	<0.033	-	-	-	-
Indeno(1,2,3,C,D)pyrene	0.22	<0.033	<0.033	-	-	-	-
Napthalene	23	<0.033	<0.033	-	-	-	-
Pyrene	1000	<0.033	<0.033	-	-	-	-
Inorganics in Soil							
EC	<4 mmhos/cm or 2X background	0.330	0.310	-	-	-	-
SAR	<12	5.0	8.4	-	-	-	-
pH	6-9	8.0	9.3	-	-	-	-
Metals in Soils							
Arsenic	0.39	0.66	<0.27	1.8	2.9	2.8	3.3
Barium	15000	550	460	-	-	-	-
Boron (Hot Water Soluble)	2 (mg/L)	0.6	0.5	-	-	-	-
Cadmium	70	0.60	0.70	-	-	-	-
Chromium	12000	12.0	12.0	-	-	-	-
Chromium VI	23	<2.0	<2.0	-	-	-	-
Copper	3100	11.0	14.0	-	-	-	-
Lead	400	8.9	11	-	-	-	-
Mercury	23	<0.020	<0.020	-	-	-	-
Nickel	1600	10.0	24.0	-	-	-	-
Selenium	390	<1.0	<1.0	-	-	-	-
Silver	390	<0.50	<0.50	-	-	-	-
Zinc	23000	36.0	33.0	-	-	-	-