

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  
#2215977

## 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  
2. Name of Operator: OXY USA Inc. Daniel I. Padilla  
3. Address: 760 Horizon Drive, Suite 101 Phone: 970.263.3637  
City: Grand Junction State: CO Zip: 81506 Fax: 970.263.3694

5. API Number 05-077-09199 OGCC Facility ID Number 334527  
6. Well/Facility Name: Currey (Reserve Pit) 7. Well/Facility Number 16-14  
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): SESW, Sec 16, T9S, R94W, 6 PM  
9. County: Mesa 10. Field Name: Brush Creek  
11. Federal, Indian or State Lease Number: \_\_\_\_\_

Complete the Attachment  
Checklist

OP OGCC

Survey Plat		
Directional Survey		
Surface Eqpmt Diagram		
Technical Info Page	x	
Other Lab data, Map	x	

## General Notice

☐ CHANGE OF LOCATION: Attach New Survey Plat (a change of surface qtr/qtr is substantive and requires a new permit)

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

Distance to nearest bldg, public rd, utility or RR

Longitude

Distance to nearest lease line

Is location in a High Density Area (rule 603b)?

Yes/No

Ground Elevation

Distance to nearest well same formation

Surface owner consultation date:

attach directional survey

## GPS DATA:

Date of Measurement

PDOP Reading

Instrument Operator's Name

☐ CHANGE SPACING UNIT

Formation

Formation Code

Spacing order number

Unit Acreage

Unit configuration

☐ Remove from surface bond

Signed surface use agreement attached

☐ CHANGE OF OPERATOR (prior to drilling):

Effective Date:

Plugging Bond:

☐ Blanket☐ Individual☐ CHANGE WELL NAME

NUMBER

From:

To:

Effective Date:

☐ ABANDONED LOCATION:

Was location ever built?

☐ Yes☐ No

Is site ready for inspection?

☐ Yes☐ No

Date Ready for Inspection:

☐ NOTICE OF CONTINUED SHUT IN STATUS

Date well shut in or temporarily abandoned:

Has Production Equipment been removed from site?

☐ Yes☐ No

MIT required if shut in longer than two years. Date of last MIT

☐ SPUD DATE:☐ REQUEST FOR CONFIDENTIAL STATUS (6 mos from date casing set)☐ 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

☐ RECLAMATION:

Attach technical page describing final reclamation procedures per Rule 1004.

Final reclamation will commence on approximately

☐ Final reclamation is completed and site is ready for inspection.

## Technical Engineering/Environmental Notice

☐ Notice of Intent

Approximate Start Date:

☐ Report of Work Done

Date Work Completed:

Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)

☐ Intent to Recomplete (submit form 2)☐ Request to Vent or Flare☐ E&P Waste Disposal☐ Change Drilling Plans☐ Repair Well☐ Beneficial Reuse of E&P Waste☐ Gross Interval Changed?☐ Rule 502 variance requested☐ Status Update/Change of Remediation Plans☐ Casing/Cementing Program Change☒ 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:

Date:

9/7/11

Email:

daniel\_padilla@oxy.com

Print Name:

Daniel I. Padilla

Title:

Regulatory Advisor

COGCC Approved:

Title:

Date:

CONDITIONS OF APPROVAL, IF ANY:

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

1. OGCC Operator Number:	66561	API Number:	05-077-09199
2. Name of Operator:	OXY USA Inc.	OGCC Facility ID #	334527
3. Well/Facility Name:	Currey (Reserve Pit)	Well/Facility Number:	16-14
4. Location (QtrQtr, Sec, Twp, Rng, Meridian):	SESW, Sec 16, T9S, R94W, 6 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 10/07/2009) 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 10/07/2009). Based on the background sample concentrations, Oxy's sundry notice requests to apply different standards to the COGCC Table 910-1 concentration levels in regards to As.

To address elevated concentrations of pH, Oxy will bury and cap the pit bottom below at least two feet of native material to ensure a sufficient agronomic zone. The reclaimed pit was contoured to be level with the pad grade to minimize stormwater runoff, during the operational phase of the pad. Final pad reclamation will occur at the end of the life of the pad.



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

# Currey 16-14 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 Currey 16-14

---

This memorandum documents Oxy's reserve pit closure located on the Currey 16-14 pad. The pad is located in SESW, Section 16, 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), and pH. Based on the analytical results, background samples were collected to account for the elevated levels of As post reclamation. Oxy covered the cuttings with a cap of topsoil at least three feet thick to ensure a proper agronomic zone for revegetation. 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 17 wells, which include:

- Currey 16-11, API # 05-077-09198
- Currey 16-14, API # 05-077-09199
- Currey 16-15, API # 05-077-09200
- Currey 21-2, API # 05-077-09201
- Currey 21-4, API # 05-077-09202
- Currey 16-15A, API # 05-077-09469
- Currey 16-15C, API # 05-077-09477
- Currey 21-2A, API # 05-077-09478
- Currey 16-15B, API # 05-077-09479
- Currey 16-11A, API # 05-077-09638
- Currey 16-11B, API # 05-077-09639
- Currey 16-11C, API # 05-077-09640
- Currey 16-14B, API # 05-077-09641
- Currey 21-2B, API # 05-077-09642
- Currey 21-2C, API # 05-077-09643
- Currey 16-14A, API # 05-077-09645
- Currey 16-14C, API # 05-077-09704

- The pit bottom was sampled for closure October 5, 2009 by Walsh Environmental Scientists and Engineers, LLC. Based on the sampling results of the pit bottom, except for Arsenic and pH, 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 October 5, 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 #:	Currey 16-14
Sample Date:	10/07/2009
Clearance Achieved Date:	

MCL (mg/kg)		Sample Identifications (mg/kg)		
		Post Reclaim	Background	Fill/Cap (10/20/09)
Organics in Soil				
TPH (GRO and DRO)	500	14.0	-	-
Benzene	0.17	<0.00090	-	-
Toluene	85	<0.0015	-	-
Ethylbenzene	100	<0.0013	-	-
Xylenes	175	<0.0028	-	-
Organics in Soil (PAH's)				
Acenaphthene	1000	<0.011	-	-
Anthracene	1000	<0.0093	-	-
Benzo(A)anthracene	0.22	<0.0077	-	-
Benzo(B)fluoranthene	0.22	<0.0078	-	-
Benzo(K)fluoranthene	2.2	<0.012	-	-
Benzo(A)pyrene	0.022	<0.0074	-	-
Chrysene	22	<0.0091	-	-
Dibenzo(A,H)anthracene	0.022	<0.011	-	-
Fluoranthene	1000	<0.0079	-	-
Flourene	1000	<0.0095	-	-
Indeno(1,2,3,C,D)pyrene	0.22	<0.011	-	-
Napthalene	23	0.054	-	-
Pyrene	1000	<0.0089	-	-
Inorganics in Soil				
EC	<4 mmhos/cm or 2X background	0.920	0.490	-
SAR	<12	13.0	0.6	0.52
pH	6-9	9.2	7.1	8.0
Metals in Soils				
Arsenic	0.39	1.30	3.20	-
Barium	15000	5010	-	-
Boron (Hot Water Soluble)	2 (mg/L)	0.63	-	-
Cadmium	70	0.12	-	-
Chromium	12000	16.0	-	-
Chromium VI	23	<0.10	-	-
Copper	3100	17.0	-	-
Lead	400	18.0	-	-
Mercury	23	0.021	-	-
Nickel	1600	15.0	-	-
Selenium	390	3.9	-	-
Silver	390	0.24	-	-
Zinc	23000	39.0	-	-



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

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

Grand Junction, CO 81506

### Report Summary

Thursday October 29, 2009

Report Number: L428256

Samples Received: 10/21/09

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.

This report may not be reproduced, except in full, without written approval from Environmental Science Corp.  
Where applicable, sampling conducted by ESC is performed per guidance provided  
in laboratory standard operating procedures: 060302, 060303, and 060304.

1 Samples Reported: 10/29/09 14:22 Printed: 10/29/09 14:22

Page 1 of 2



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

October 29, 2009

Date Received : October 21, 2009  
Description : Pit Reclaims - Collbran  
Sample ID : CURREY 16-14 FILL 0-6IN  
Collected By : Brett Kennedy  
Collection Date : 10/20/09 11:48

ESC Sample # : L428256-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
pH	8.0		su	9045D	10/23/09	1
Sodium Adsorption Ratio	0.52			Calc.	10/28/09	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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: 10/29/09 14:22 Printed: 10/29/09 14:22  
L428256-01 (PH) - 8.0@21.6c

Summary of Remarks For Samples Printed  
10/29/09 at 14:22:32

TSR Signing Reports: 134  
R5 - Desired TAT

Sample: L428256-01 Account: OXYGJCO Received: 10/21/09 09:00 Due Date: 10/28/09 00:00 RPT Date: 10/29/09 14:22





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

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

Grand Junction, CO 81506

## Report Summary

Monday October 19, 2009

Report Number: L426453

Samples Received: 10/09/09

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.

This report may not be reproduced, except in full, without written approval from Environmental Science Corp.  
Where applicable, sampling conducted by ESC is performed per guidance provided  
in laboratory standard operating procedures: 060302, 060303, and 060304.

2 Samples Reported: 10/15/09 13:36 Revised: 10/19/09 09:08

Page 1 of 6



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

October 19, 2009

Date Received : October 09, 2009  
Description : Pit Reclaims - Collbran  
Sample ID : CURREY 16-14 BG  
Collected By : Brett Kennedy  
Collection Date : 10/07/09 13:40

ESC Sample # : L426453-01

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
pH	7.1			su		9045D	10/13/09	1
Sodium Adsorption Ratio	0.57					Calc.	10/11/09	1
Specific Conductance	490			umhos/cm		9050AMo	10/12/09	1
Arsenic	3.2	0.32	1.0	mg/kg		6010B	10/16/09	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: 10/15/09 13:36 Revised: 10/19/09 09:08  
L426453-01 (PH) - 7.1@20.3c



YOUR LAB OF CHOICE

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

October 19, 2009

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

ESC Sample # : L426453-02

Date Received : October 09, 2009  
Description : Pit Reclaims - Collbran

Site ID :

Sample ID : CURREY 16-14 POST REC

Project # :

Collected By : Brett Kennedy  
Collection Date : 10/07/09 13:05

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Chromium, Hexavalent	U	0.10	2.0	mg/kg		3060A/7	10/15/09	1
ORP	150			mV		2580	10/12/09	1
pH	9.2			su		9045D	10/13/09	1
Sodium Adsorption Ratio	13.					Calc.	10/11/09	1
Specific Conductance	920			umhos/cm		9050A Mo	10/12/09	1
Mercury	0.021	0.0025	0.020	mg/kg		7471	10/13/09	1
Arsenic	1.3	0.32	1.0	mg/kg		6010B	10/16/09	1
Cadmium	0.12	0.040	0.25	mg/kg	J	6010B	10/13/09	1
Chromium	16.	0.085	0.50	mg/kg		6010B	10/13/09	1
Copper	17.	0.21	1.0	mg/kg		6010B	10/13/09	1
Lead	18.	0.090	0.25	mg/kg		6010B	10/13/09	1
Nickel	15.	0.26	1.0	mg/kg		6010B	10/13/09	1
Selenium	3.9	0.32	1.0	mg/kg		6010B	10/13/09	1
Silver	0.24	0.16	0.50	mg/kg	J	6010B	10/13/09	1
Zinc	39.	0.34	1.5	mg/kg		6010B	10/13/09	1
Benzene	U	0.00090	0.0025	mg/kg	J6J3	8021/80	10/15/09	5
Toluene	U	0.0015	0.025	mg/kg		8021/80	10/15/09	5
Ethylbenzene	U	0.0013	0.0025	mg/kg		8021/80	10/15/09	5
Total Xylene	U	0.0028	0.0075	mg/kg		8021/80	10/15/09	5
TPH (GC/FID) Low Fraction	U	0.16	0.50	mg/kg		GRO	10/15/09	5
Surrogate Recovery-%								
a,a,a-Trifluorotoluene (FID)	93.7			% Rec.		8021/80	10/15/09	5
a,a,a-Trifluorotoluene (PID)	96.1			% Rec.		8021/80	10/15/09	5
TPH (GC/FID) High Fraction	14.	1.3	4.0	mg/kg		3546/DR	10/12/09	1
Surrogate recovery(%)								
o-Terphenyl	88.2			% Rec.		3546/DR	10/12/09	1
Polynuclear Aromatic Hydrocarbons								
Anthracene	U	0.0093	0.033	mg/kg		8270C	10/12/09	1
Acenaphthene	U	0.011	0.033	mg/kg		8270C	10/12/09	1
Acenaphthylene	U	0.011	0.033	mg/kg		8270C	10/12/09	1
Benzo(a)anthracene	U	0.0077	0.033	mg/kg		8270C	10/12/09	1
Benzo(a)pyrene	U	0.0074	0.033	mg/kg		8270C	10/12/09	1
Benzo(b)fluoranthene	U	0.0078	0.033	mg/kg		8270C	10/12/09	1
Benzo(g,h,i)perylene	U	0.0095	0.033	mg/kg		8270C	10/12/09	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: 10/15/09 13:36 Revised: 10/19/09 09:08  
L426453-02 (PH) - 9.2@20.7c



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

October 19, 2009

Date Received : October 09, 2009  
Description : Pit Reclaims - Collbran  
Sample ID : CURREY 16-14 POST REC  
Collected By : Brett Kennedy  
Collection Date : 10/07/09 13:05

ESC Sample # : L426453-02

Site ID :

Project # :

Parameter	Result	MDL	RDL	Units	Q	Method	Date	Dil.
Benzo(k)fluoranthene	U	0.012	0.033	mg/kg		8270C	10/12/09	1
Chrysene	U	0.0091	0.033	mg/kg		8270C	10/12/09	1
Dibenz(a,h)anthracene	U	0.011	0.033	mg/kg		8270C	10/12/09	1
Fluoranthene	U	0.0079	0.033	mg/kg		8270C	10/12/09	1
Fluorene	U	0.0095	0.033	mg/kg		8270C	10/12/09	1
Indeno(1,2,3-cd)pyrene	U	0.011	0.033	mg/kg		8270C	10/12/09	1
Naphthalene	0.054	0.016	0.033	mg/kg		8270C	10/12/09	1
Phenanthrene	0.025	0.0073	0.033	mg/kg	J	8270C	10/12/09	1
Pyrene	U	0.0089	0.033	mg/kg		8270C	10/12/09	1
Surrogate Recovery								
Nitrobenzene-d5	86.5			% Rec.		8270C	10/12/09	1
2-Fluorobiphenyl	75.5			% Rec.		8270C	10/12/09	1
p-Terphenyl-d14	95.5			% Rec.		8270C	10/12/09	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: 10/15/09 13:36 Revised: 10/19/09 09:08  
L426453-02 (PH) - 9.2@20.7c

Attachment A  
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L426453-02	WG445791	SAMP	Benzene	R950229	J6J3
	WG445047	SAMP	Cadmium	R948248	J
	WG445047	SAMP	Silver	R948248	J
	WG445138	SAMP	Phenanthrene	R946671	J