

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
#2215978

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
9/8/2011Complete the Attachment
Checklist

OP OGCC

| | | | |
|---|------------------------------------|-----------------------|---|
| 1. OGCC Operator Number: 66561 | 4. Contact Name: Daniel I. Padilla | Survey Plat | |
| 2. Name of Operator: OXY USA Inc. | Phone: 970.263.3637 | | |
| 3. Address: 760 Horizon Drive, Suite 101 | Fax: 970.263.3694 | Directional Survey | |
| City: Grand Junction State: CO Zip: 81506 | | Surface Eqmpt Diagram | |
| 5. API Number 05-077-08566 | OGCC Facility ID Number 334508 | Technical Info Page | x |
| 6. Well/Facility Name: McDaniel (Reserve Pit) | 7. Well/Facility Number 11-10 | Other Lab data, Map | x |
| 8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): NWSE, Sec 11, T9S, R94W, 6th PM | | | |
| 9. County: Mesa | 10. Field Name: Brush Creek | | |
| 11. Federal, Indian or State Lease Number: | | | |

General Notice

| | | | |
|--|---|---|---------------------------|
| <input type="checkbox"/> 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: | FNL/FSL | FEL/FWL | |
| Change of Surface Footage to Exterior Section Lines: | | | |
| Change of Bottomhole Footage from Exterior Section Lines: | | | |
| Change of Bottomhole Footage to Exterior Section Lines: | | | attach directional survey |
| 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: | |
| 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 | Formation Code | Spacing order number | Unit Acreage |
| | | | |
| <input type="checkbox"/> CHANGE OF OPERATOR (prior to drilling): | | <input type="checkbox"/> CHANGE WELL NAME | |
| Effective Date: | | NUMBER | |
| Plugging Bond: <input type="checkbox"/> Blanket <input type="checkbox"/> Individual | | From: | |
| | | 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 |
| | | | |
| | | | |
| | | | |
| <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

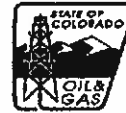
| | | | |
|---|--|--|--|
| <input type="checkbox"/> Notice of Intent | | <input type="checkbox"/> Report of Work Done | |
| Approximate Start Date: | | Date Work Completed: | |
| Details of work must be described in full on Technical Information Page (Page 2 must be submitted.) | | | |
| <input type="checkbox"/> 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. PadillaDate: 9/7/11 Email: daniel_padilla@oxy.com
Title: Regulatory AdvisorCOGCC Approved: _____ Title: _____ Date: 6/26/2012

CONDITIONS OF APPROVAL, IF ANY:

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

- | | |
|--|-----------------------------|
| 1. OGCC Operator Number: 66561 | API Number: 05-077-08566 |
| 2. Name of Operator: OXY USA Inc. | OGCC Facility ID #: 334508 |
| 3. Well/Facility Name: McDaniel (Reserve Pit) | Well/Facility Number: 11-10 |
| 4. Location (QtrQtr, Sec, Twp, Rng, Meridian): NWSE, Sec 11, 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 11/20/2009) 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 11/20/2009). 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.



Pit Sample Locations ●
Background sample locations ●
Approximate Location of Pit

Pit Reclaims - Collbran

| | |
|--------------------------|----------------|
| Pad #: | McDaniel 11-10 |
| Sample Date: | 10/20/2009 |
| Clearance Achieved Date: | |

| | | Sample Identifications (mg/kg) | |
|---------------------------|------------------------------|--------------------------------|------------|
| | MCL (mg/kg) | Post Reclaim | Background |
| Organics in Soil | | 10/20/2009 | 10/20/2009 |
| TPH (GRO and DRO) | 500 | 30.0 | - |
| 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 | 0.010 | - |
| Indeno(1,2,3,C,D)pyrene | 0.22 | <0.011 | - |
| Napthalene | 23 | 0.016 | - |
| Pyrene | 1000 | <0.0089 | - |
| Inorganics in Soil | | | |
| EC | <4 mmhos/cm or 2X background | 0.800 | 0.230 |
| SAR | <12 | 8.0 | 0.37 |
| pH | 6-9 | 8.9 | 8.2 |
| Metals in Soils | | | |
| Arsenic | 0.39 | 3.4 | 3.4 |
| Barium | 15000 | 10,100 | - |
| Boron (Hot Water Soluble) | 2 (mg/L) | 1.04 | - |
| Cadmium | 70 | 0.47 | - |
| Chromium | 12000 | 14.0 | - |
| Chromium VI | 23 | <0.10 | - |
| Copper | 3100 | 12.0 | - |
| Lead | 400 | 11.0 | - |
| Mercury | 23 | 0.020 | - |
| Nickel | 1600 | 9.5 | - |
| Selenium | 390 | <6.3 | - |
| Silver | 390 | <0.16 | - |
| Zinc | 23000 | 35.0 | - |



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

Grand Junction, CO 81506

Report Summary

Wednesday April 01, 2009

Report Number: L394975

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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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 : MCDANIEL 11-10-BG 0-6 FT
Collected By : Brett Kennedy
Collection Date : 03/27/09 14:05

ESC Sample # : L394975-01

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 | 9.1 | | su | 9045D | 03/31/09 | 1 |
| Sodium Adsorption Ratio | 7.5 | | | Calc. | 04/01/09 | 1 |
| Specific Conductance | 160 | | umhos/cm | 9050AMod | 03/30/09 | 1 |
| Mercury | BDL | 0.020 | mg/kg | 7471 | 03/30/09 | 1 |
| Arsenic | 2.2 | 1.0 | mg/kg | 6010B | 03/31/09 | 1 |
| Barium | 2000 | 0.25 | mg/kg | 6010B | 03/31/09 | 1 |
| Cadmium | 0.76 | 0.25 | mg/kg | 6010B | 03/31/09 | 1 |
| Chromium | 12. | 0.50 | mg/kg | 6010B | 03/31/09 | 1 |
| Copper | 15. | 1.0 | mg/kg | 6010B | 03/31/09 | 1 |
| Lead | 10. | 0.25 | mg/kg | 6010B | 03/31/09 | 1 |
| Nickel | 19. | 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 | 37. | 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) | 97.8 | | % Rec. | 8021/8015 | 03/31/09 | 5 |
| a,a,a-Trifluorotoluene (PID) | 104. | | % Rec. | 8021/8015 | 03/31/09 | 5 |
| TPH (GC/FID) High Fraction | 4.0 | 4.0 | mg/kg | 3546/DRO | 03/30/09 | 1 |
| Surrogate recovery(%) | | | | | | |
| o-Terphenyl | 71.2 | | % 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)
L394975-01 (PH) - 9.1@20.0c



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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 : MCDANIEL 11-10-BG 0-6 FT
Collected By : Brett Kennedy
Collection Date : 03/27/09 14:05

ESC Sample # : L394975-01

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 | 72.3 | | % Rec. | 8270C | 03/30/09 | 1 |
| 2-Fluorobiphenyl | 77.6 | | % Rec. | 8270C | 03/30/09 | 1 |
| p-Terphenyl-d14 | 75.6 | | % Rec. | 8270C | 03/30/09 | 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: 04/01/09 15:26 Printed: 04/01/09 15:26
L394975-01 (PH) - 9.1@20.0c



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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 : MCDANIEL 11-10-PRE-REC 0-6 FT
Collected By : Brett Kennedy
Collection Date : 03/27/09 14:20

ESC Sample # : L394975-02

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 | 140 | | mV | 2580 | 03/30/09 | 1 |
| pH | 9.3 | | su | 9045D | 03/31/09 | 1 |
| Sodium Adsorption Ratio | 38. | | | Calc. | 04/01/09 | 1 |
| Specific Conductance | 1100 | | umhos/cm | 9050AMod | 03/30/09 | 1 |
| Mercury | BDL | 0.020 | mg/kg | 7471 | 03/30/09 | 1 |
| Arsenic | 3.5 | 1.0 | mg/kg | 6010B | 03/31/09 | 1 |
| Barium | 1400 | 0.25 | mg/kg | 6010B | 03/31/09 | 1 |
| Cadmium | 0.64 | 0.25 | mg/kg | 6010B | 03/31/09 | 1 |
| Chromium | 10. | 0.50 | mg/kg | 6010B | 03/31/09 | 1 |
| Copper | 13. | 1.0 | mg/kg | 6010B | 03/31/09 | 1 |
| Lead | 12. | 0.25 | mg/kg | 6010B | 03/31/09 | 1 |
| Nickel | 11. | 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 | 42. | 1.5 | mg/kg | 6010B | 03/31/09 | 1 |
| Benzene | 0.0043 | 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 | 0.015 | 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) | 100. | | % 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 | 74. | 4.0 | mg/kg | 3546/DRO | 03/30/09 | 1 |
| Surrogate recovery(%) | | | | | | |
| o-Terphenyl | 82.4 | | % 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)
L394975-02 (PH) - 9.3@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
Sample ID : MCDANIEL 11-10-PRE-REC 0-6 FT
Collected By : Brett Kennedy
Collection Date : 03/27/09 14:20

ESC Sample # : L394975-02

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 | 0.067 | 0.033 | mg/kg | 8270C | 03/30/09 | 1 |
| Phenanthrene | 0.036 | 0.033 | mg/kg | 8270C | 03/30/09 | 1 |
| Pyrene | BDL | 0.033 | mg/kg | 8270C | 03/30/09 | 1 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 68.8 | | % Rec. | 8270C | 03/30/09 | 1 |
| 2-Fluorobiphenyl | 59.8 | | % Rec. | 8270C | 03/30/09 | 1 |
| p-Terphenyl-d14 | 56.4 | | % Rec. | 8270C | 03/30/09 | 1 |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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L394975-02 (PH) - 9.3@19.6c



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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

Friday October 30, 2009

Report Number: L428252

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

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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 30, 2009

Date Received : October 21, 2009
Description : Pit Reclaims - Collbran
Sample ID : MCDANIEL 11-10 B6
Collected By : Brett Kennedy
Collection Date : 10/20/09 11:40

ESC Sample # : L428252-01

Site ID :

Project # :

| Parameter | Result | MDL | RDL | Units | Q | Method | Date | Dil. |
|-------------------------|--------|------|-----|----------|---|---------|----------|------|
| pH | 8.2 | | | su | | 9045D | 10/23/09 | 1 |
| Sodium Adsorption Ratio | 0.37 | | | | | Calc. | 10/28/09 | 1 |
| Specific Conductance | 230 | | | umhos/cm | | 9050AMo | 10/23/09 | 1 |
| Arsenic | 3.4 | 0.32 | 1.0 | mg/kg | | 6010B | 10/29/09 | 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: 10/30/09 17:56 Printed: 10/30/09 17:56

L428252-01 (PH) - 8.2@21.3c



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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

October 30, 2009

Date Received : October 21, 2009
Description : Pit Reclaims - Collbran
Sample ID : MCDANIEL 11-10 POST REC
Collected By : Brett Kennedy
Collection Date : 10/20/09 10:20

ESC Sample # : L428252-02

Site ID :

Project # :

| Parameter | Result | MDL | RDL | Units | Q | Method | Date | Dil. |
|-----------------------------------|--------|---------|--------|----------|---|---------|----------|------|
| Chromium, Hexavalent | U | 0.10 | 2.0 | mg/kg | | 3060A/7 | 10/27/09 | 1 |
| ORP | 100 | | | mV | | 2580 | 10/23/09 | 1 |
| pH | 8.9 | | | su | | 9045D | 10/23/09 | 1 |
| Sodium Adsorption Ratio | 8.0 | | | | | Calc. | 10/28/09 | 1 |
| Specific Conductance | 800 | | | umhos/cm | | 9050AMo | 10/23/09 | 1 |
| Mercury | 0.020 | 0.0025 | 0.020 | mg/kg | | 7471 | 10/25/09 | 1 |
| Arsenic | 3.4 | 0.32 | 1.0 | mg/kg | | 6010B | 10/29/09 | 1 |
| Cadmium | 0.47 | 0.040 | 0.25 | mg/kg | | 6010B | 10/29/09 | 1 |
| Chromium | 14. | 0.085 | 0.50 | mg/kg | | 6010B | 10/29/09 | 1 |
| Copper | 12. | 0.21 | 1.0 | mg/kg | | 6010B | 10/29/09 | 1 |
| Lead | 11. | 0.090 | 0.25 | mg/kg | B | 6010B | 10/29/09 | 1 |
| Nickel | 9.5 | 0.26 | 1.0 | mg/kg | | 6010B | 10/29/09 | 1 |
| Selenium | U | 6.3 | 20. | mg/kg | O | 6010B | 10/30/09 | 20 |
| Silver | U | 0.16 | 0.50 | mg/kg | | 6010B | 10/29/09 | 1 |
| Zinc | 35. | 0.34 | 1.5 | mg/kg | | 6010B | 10/29/09 | 1 |
| Benzene | U | 0.00090 | 0.0025 | mg/kg | | 8021/80 | 10/27/09 | 5 |
| Toluene | U | 0.0015 | 0.025 | mg/kg | | 8021/80 | 10/27/09 | 5 |
| Ethylbenzene | U | 0.0013 | 0.0025 | mg/kg | | 8021/80 | 10/27/09 | 5 |
| Total Xylene | U | 0.0028 | 0.0075 | mg/kg | | 8021/80 | 10/27/09 | 5 |
| TPH (GC/FID) Low Fraction | U | 0.14 | 0.50 | mg/kg | | GRO | 10/27/09 | 5 |
| Surrogate Recovery-% | | | | | | | | |
| a,a,a-Trifluorotoluene (FID) | 99.4 | | | % Rec. | | 8021/80 | 10/27/09 | 5 |
| a,a,a-Trifluorotoluene (PID) | 103. | | | % Rec. | | 8021/80 | 10/27/09 | 5 |
| TPH (GC/FID) High Fraction | 30. | 1.3 | 4.0 | mg/kg | | 3546/DR | 10/22/09 | 1 |
| Surrogate recovery(%) | | | | | | | | |
| o-Terphenyl | 80.3 | | | % Rec. | | 3546/DR | 10/22/09 | 1 |
| Polynuclear Aromatic Hydrocarbons | | | | | | | | |
| Anthracene | U | 0.0093 | 0.033 | mg/kg | | 8270C | 10/24/09 | 1 |
| Acenaphthene | U | 0.011 | 0.033 | mg/kg | | 8270C | 10/24/09 | 1 |
| Acenaphthylene | U | 0.011 | 0.033 | mg/kg | | 8270C | 10/24/09 | 1 |
| Benzo(a)anthracene | U | 0.0077 | 0.033 | mg/kg | | 8270C | 10/24/09 | 1 |
| Benzo(a)pyrene | U | 0.0074 | 0.033 | mg/kg | | 8270C | 10/24/09 | 1 |
| Benzo(b)fluoranthene | U | 0.0078 | 0.033 | mg/kg | | 8270C | 10/24/09 | 1 |
| Benzo(g,h,i)perylene | U | 0.0095 | 0.033 | mg/kg | | 8270C | 10/24/09 | 1 |

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L428252-02 (PH) - 8.9@21.1c



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REPORT OF ANALYSIS

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

October 30, 2009

Date Received : October 21, 2009
Description : Pit Reclaims - Collbran

ESC Sample # : L428252-02

Sample ID : MCDANIEL 11-10 POST REC

Site ID :

Collected By : Brett Kennedy
Collection Date : 10/20/09 10:20

Project # :

| Parameter | Result | MDL | RDL | Units | Q | Method | Date | Dil. |
|------------------------|--------|--------|-------|-------|---|--------|----------|------|
| Benzo(k)fluoranthene | U | 0.012 | 0.033 | mg/kg | | 8270C | 10/24/09 | 1 |
| Chrysene | U | 0.0091 | 0.033 | mg/kg | | 8270C | 10/24/09 | 1 |
| Dibenz(a,h)anthracene | U | 0.011 | 0.033 | mg/kg | | 8270C | 10/24/09 | 1 |
| Fluoranthene | U | 0.0079 | 0.033 | mg/kg | | 8270C | 10/24/09 | 1 |
| Fluorene | 0.010 | 0.0095 | 0.033 | mg/kg | J | 8270C | 10/24/09 | 1 |
| Indeno(1,2,3-cd)pyrene | U | 0.011 | 0.033 | mg/kg | | 8270C | 10/24/09 | 1 |
| Naphthalene | 0.016 | 0.016 | 0.033 | mg/kg | J | 8270C | 10/24/09 | 1 |
| Phenanthrene | 0.014 | 0.0073 | 0.033 | mg/kg | J | 8270C | 10/24/09 | 1 |
| Pyrene | U | 0.0089 | 0.033 | mg/kg | | 8270C | 10/24/09 | 1 |
| Surrogate Recovery | | | | | | | | |
| Nitrobenzene-d5 | 58.6 | | | Rec. | | 8270C | 10/24/09 | 1 |
| 2-Fluorobiphenyl | 72.4 | | | Rec. | | 8270C | 10/24/09 | 1 |
| p-Terphenyl-d14 | 95.1 | | | Rec. | | 8270C | 10/24/09 | 1 |

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L428252-02 (PH) - 8.9@21.1c

Attachment A
List of Analytes with QC Qualifiers

| Sample Number | Work Group | Sample Type | Analyte | Run ID | Qualifier |
|------------------|---------------|----------------|--------------|-----------|-----------|
| L428252-02 | WG448024 | SAMP | Lead | R977408 | B |
| | WG448024 | SAMP | Selenium | R977408 | O |
| | WG447321 | SAMP | Fluorene | R965090 | J |
| | WG447321 | SAMP | Naphthalene | R965090 | J |
| | WG447321 | SAMP | Phenanthrene | R965090 | J |



MEMORANDUM

To: File

From: Padilla, Daniel I., Regulatory

CC:

Date: 07/01/2011

Subject: Reserve Pit Closure McDaniel 11-10 Pad

This memorandum documents Oxy's reserve pit closure located on the McDaniel 11-10 pad. The pad is located in NWSE, Section 11, Township 9S, Range 94W, Garfield 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 18 wells, which include:
 - McDaniel 11-11, API # 05-077-08345
 - McDaniel 11-10, API # 05-077-08566
 - McDaniel 11-16, API # 05-077-08815
 - McDaniel 11-15, API # 05-077-08816
 - McDaniel 11-9, API # 05-077-08817
 - McDaniel 11-8, API # 05-077-08818
 - McDaniel 11-14, API # 05-077-08827
 - McDaniel 11-10B, API # 05-077-09646
 - McDaniel 11-15B, API # 05-077-09647
 - McDaniel 11-15A, API # 05-077-09648
 - McDaniel 11-10A, API # 05-077-09649
 - McDaniel 11-10C, API # 05-077-09650
 - McDaniel 11-16B, API # 05-077-09651
 - McDaniel 11-16A, API # 05-077-09652
 - McDaniel 11-15C, API # 05-077-09653
 - McDaniel 11-9C, API # 05-077-09654
 - McDaniel 11-9B, API # 05-077-09655
 - McDaniel 11-9A, API # 05-077-09709
- The pit bottom was sampled for closure on November 20, 2009 by Walsh Environmental Scientists and Engineers, LLC. Based on the sampling results of the pit bottom, except for As, all analytes were found to be below allowable concentration levels per the COGCC's table 910-1 rules that were in 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 are attached.
- Background sampling was conducted on June 19, 2009 by Walsh Environmental Scientists and Engineers, LLC. Background samples revealed As 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