

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
#2216381

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
10/04/2011

| | | |
|---|---|---|
| 1. OGCC Operator Number: <u>66561</u> | 4. Contact Name <u>Daniel I. Padilla</u> | Complete the Attachment Checklist OP OGCC |
| 2. Name of Operator: <u>OXY USA Inc.</u> | Phone: <u>970.263.3637</u> | |
| 3. Address: <u>760 Horizon Drive, Suite 101</u> City: <u>Grand Junction</u> State: <u>CO</u> Zip: <u>81506</u> | Fax: <u>970.263.3694</u> | |
| 5. API Number <u>05- 077-09922</u> | OGCC Facility ID Number <u>334519</u> | Survey Plat |
| 6. Well/Facility Name: <u>Stites (Reserve Pit)</u> | 7. Well/Facility Number <u>20-8</u> | Directional Survey |
| 8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): <u>SENE, Sec 20, T9S, R94W</u> | | Surface Eqpm Diagram |
| 9. County: <u>Mesa</u> | 10. Field Name: <u>Buzzard</u> | Technical Info Page <input checked="" type="checkbox"/> |
| 11. Federal, Indian or State Lease Number: _____ | | Other Lab data, Map <input checked="" type="checkbox"/> |

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: | <input type="checkbox"/> | FNU/FSL <input type="checkbox"/> | FEL/FWL <input type="checkbox"/> |
| Change of Surface Footage to Exterior Section Lines: | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Change of Bottomhole Footage from Exterior Section Lines: | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Change of Bottomhole Footage to Exterior Section Lines: | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 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 <input type="checkbox"/> | |
| 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 | | | |
| 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): | | <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 Approximate Start Date: _____ | <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: <u>Application of diff. standard</u> | 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: 9/20/11 Email: daniel_padilla@oxy.com
Title: Regulatory AdvisorCOGCC Approved: NOT APPROVED

Title: _____

Date: 7/11/2012

CONDITIONS OF APPROVAL, IF ANY:

This sundry is not approved. Withdraw this sundry and resubmit a new sundry containing all sample data in summary table supported by lab reports. Reported barium results exceed Table 910-1 levels and are not addressed adequately. Additional discussion regarding depth of 'resample' and remediation prior to is is needed.

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

1. OGCC Operator Number: 66561 API Number: 05-077-09922
2. Name of Operator: OXY USA Inc. OGCC Facility ID # 334519
3. Well/Facility Name: Stites (Reserve Pit) Well/Facility Number: 20-8
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): SENE, Sec 20, T9S, R94W

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 11/04/2009) 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 11/04/2009). Based on the background sample concentrations, Oxy's sundry notice requests 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.

7-10-2012 Notes:

1. Provide clarification regarding rationale for pit sampling locations and why samples were not collected along entire pit, but are clustered in one portion of the pit.
2. SAR and pH are elevated above Table 910-1 standards. Describe the depth of cover placed above material with elevated SAR and pH
3. Barium is elevated above Table 910-1 standards and the sample results from the 'Fill' sample seem to demonstrate that the barium levels are not naturally occurring. What depth were the 'post reclaim resample' and 'ost reclaim' samples collected and what changes occurred to pit contents between collection of those two samples?

Stites 20-8 post rec 6-8 ft 5/6/2010 10:18 - this sample in supporting lab reports, not listed on summary table.

Stites 20-8 post rec 11/4/09 12:35 - does not have barium or boron results in lab report, yet reported on table.

Post Reclaim -Resample 11/30/09 -analytical results not present in supporting lab data

Entire table needs thorough QC and all supporting laboratory reports need to be included in submittal.

Pit Reclaims - Collbran

| | |
|--------------------------|-------------|
| Pad #: | Stites 20-8 |
| Sample Date: | 11/04/2009 |
| Clearance Achieved Date: | |

| | | Sample Identifications (mg/kg) | | | | | | | |
|---------------------------|------------------------------|--------------------------------|------------|-----------------|-------------------------|----------------|----------------|----------------|----------------|
| MCL (mg/kg) | | 11/4/09 | 11/4/09 | | Post Reclaim - Resample | Background - N | Background - E | Background - S | Background - W |
| | | Post Reclaim | Background | Fill (11/30/09) | (11/30/09) | 07/20/10 | 07/20/10 | 07/20/10 | 07/20/10 |
| Organics in Soil | | | | | | | | | |
| TPH (GRO and DRO) | 500 | 23.0 | - | - | - | - | - | - | - |
| Benzene | 0.17 | 0.0031 | - | - | - | - | - | - | - |
| Toluene | 85 | 0.0077 | - | - | - | - | - | - | - |
| Ethylbenzene | 100 | <0.0013 | - | - | - | - | - | - | - |
| Xylenes | 175 | 0.0087 | - | - | - | - | - | - | - |
| 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 | 0.030 | - | - | - | - | - | - | - |
| Indeno(1,2,3,C,D)pyrene | 0.22 | <0.011 | - | - | - | - | - | - | - |
| Napthalene | 23 | 0.012 | - | - | - | - | - | - | - |
| Pyrene | 1000 | <0.0089 | - | - | - | - | - | - | - |
| Inorganics in Soil | | | | | | | | | |
| EC | <4 mmhos/cm or 2X background | 2.30 | 0.41 | - | - | - | - | - | - |
| SAR | <12 | 25.0 | 6.7 | 2.4 | - | - | - | - | - |
| pH | 6-9 | 11.0 | 7.9 | 8.7 | - | - | - | - | - |
| Metals in Soils | | | | | | | | | |
| Arsenic | 0.39 | 2.7 | <0.32 | - | 4.2 | 2.9 | 4.2 | 4.4 | 3.7 |
| Barium | 15000 | 16,800 | - | 1,090 | 2,900 | - | - | - | - |
| Boron (Hot Water Soluble) | 2 (mg/L) | 2.5 | - | 0.271 | - | - | - | - | - |
| Cadmium | 70 | 0.29 | - | - | - | - | - | - | - |
| Chromium | 12000 | 12.0 | - | - | - | - | - | - | - |
| Chromium VI | 23 | 0.36 | - | - | - | - | - | - | - |
| Copper | 3100 | 21.0 | - | - | - | - | - | - | - |
| Lead | 400 | 6.8 | - | - | - | - | - | - | - |
| Mercury | 23 | 0.013 | - | - | - | - | - | - | - |
| Nickel | 1600 | 11.0 | - | - | - | - | - | - | - |
| Selenium | 390 | <0.32 | - | - | - | - | - | - | - |
| Silver | 390 | <0.16 | - | - | - | - | - | - | - |
| Zinc | 23000 | 40.0 | - | - | - | - | - | - | - |

Barium and boron results are not supported by lab analysis in submittal

These results are not present in lab package for this sample

As and Ba values are from the 5/6/2010 sample, not 11/4/2009 sample



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

**Stites 20-8
Reserve Pit Sampling Map**

Mesa County, Colorado
0 0.0050.010.0150.02 Miles



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



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

Wednesday November 11, 2009

Report Number: L430535

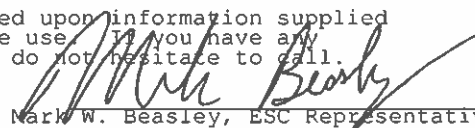
Samples Received: 11/05/09

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.



YOUR LAB OF CHOICE

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Mt. Juliet, TN 37122
(615) 758-5858
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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

November 11, 2009

Date Received : November 05, 2009
Description : Pit Reclaims - Collbran
Sample ID : STITES 20-8 POST REC
Collected By : Brett Kennedy
Collection Date : 11/04/09 12:35

ESC Sample # : L430535-01

Site ID :

Project # :

| Parameter | Result | MDL | RDL | Units | Q | Method | Date | Dil. |
|-----------------------------------|--------|---------|--------|----------|---|---------|----------|------|
| Chromium, Hexavalent | 0.36 | 0.10 | 2.0 | mg/kg | J | 3060A/7 | 11/07/09 | 1 |
| ORP | 81. | | | mV | | 2580 | 11/10/09 | 1 |
| pH | 11. | | | su | | 9045D | 11/06/09 | 1 |
| Sodium Adsorption Ratio | 25. | | | | | Calc. | 11/04/09 | 1 |
| Specific Conductance | 2300 | | | umhos/cm | | 9050AMo | 11/09/09 | 1 |
| Mercury | 0.013 | 0.0025 | 0.020 | mg/kg | J | 7471 | 11/09/09 | 1 |
| Arsenic | 2.7 | 0.32 | 1.0 | mg/kg | | 6010B | 11/09/09 | 1 |
| Cadmium | 0.29 | 0.040 | 0.25 | mg/kg | | 6010B | 11/09/09 | 1 |
| Chromium | 12. | 0.085 | 0.50 | mg/kg | | 6010B | 11/09/09 | 1 |
| Copper | 21. | 0.21 | 1.0 | mg/kg | | 6010B | 11/09/09 | 1 |
| Lead | 6.8 | 0.090 | 0.25 | mg/kg | | 6010B | 11/09/09 | 1 |
| Nickel | 11. | 0.26 | 1.0 | mg/kg | | 6010B | 11/09/09 | 1 |
| Selenium | U | 0.32 | 1.0 | mg/kg | | 6010B | 11/09/09 | 1 |
| Silver | U | 0.16 | 0.50 | mg/kg | | 6010B | 11/09/09 | 1 |
| Zinc | 40. | 0.34 | 1.5 | mg/kg | | 6010B | 11/09/09 | 1 |
| Benzene | 0.0031 | 0.00090 | 0.0025 | mg/kg | | 8021/80 | 11/10/09 | 5 |
| Toluene | 0.0077 | 0.0015 | 0.025 | mg/kg | J | 8021/80 | 11/10/09 | 5 |
| Ethylbenzene | U | 0.0013 | 0.0025 | mg/kg | | 8021/80 | 11/10/09 | 5 |
| Total Xylene | 0.0087 | 0.0028 | 0.0075 | mg/kg | | 8021/80 | 11/10/09 | 5 |
| TPH (GC/FID) Low Fraction | U | 0.14 | 0.50 | mg/kg | | GRO | 11/10/09 | 5 |
| Surrogate Recovery-% | | | | | | | | |
| a,a,a-Trifluorotoluene (FID) | 98.2 | | | % Rec. | | 8021/80 | 11/10/09 | 5 |
| a,a,a-Trifluorotoluene (PID) | 102. | | | % Rec. | | 8021/80 | 11/10/09 | 5 |
| TPH (GC/FID) High Fraction | 23. | 1.3 | 4.0 | mg/kg | | 3546/DR | 11/07/09 | 1 |
| Surrogate recovery(%) | | | | | | | | |
| o-Terphenyl | 76.0 | | | % Rec. | | 3546/DR | 11/07/09 | 1 |
| Polynuclear Aromatic Hydrocarbons | | | | | | | | |
| Anthracene | U | 0.0093 | 0.033 | mg/kg | | 8270C | 11/06/09 | 1 |
| Acenaphthene | U | 0.011 | 0.033 | mg/kg | | 8270C | 11/06/09 | 1 |
| Acenaphthylene | U | 0.011 | 0.033 | mg/kg | | 8270C | 11/06/09 | 1 |
| Benzo(a)anthracene | U | 0.0077 | 0.033 | mg/kg | | 8270C | 11/06/09 | 1 |
| Benzo(a)pyrene | U | 0.0074 | 0.033 | mg/kg | | 8270C | 11/06/09 | 1 |
| Benzo(b)fluoranthene | U | 0.0078 | 0.033 | mg/kg | | 8270C | 11/06/09 | 1 |
| Benzo(g,h,i)perylene | U | 0.0095 | 0.033 | mg/kg | | 8270C | 11/06/09 | 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: 11/11/09 11:23 Printed: 11/11/09 11:24

L430535-01 (PH) - 11019.6c



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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

November 11, 2009

Date Received : November 05, 2009
Description : Pit Reclaims - Collbran
Sample ID : STITES 20-8 POST REC
Collected By : Brett Kennedy
Collection Date : 11/04/09 12:35

ESC Sample # : L430535-01

Site ID :

Project # :

| Parameter | Result | MDL | RDL | Units | Q | Method | Date | Dil. |
|------------------------|--------|--------|-------|--------|---|--------|----------|------|
| Benzo(k)fluoranthene | U | 0.012 | 0.033 | mg/kg | | 8270C | 11/06/09 | 1 |
| Chrysene | U | 0.0091 | 0.033 | mg/kg | | 8270C | 11/06/09 | 1 |
| Dibenz(a,h)anthracene | U | 0.011 | 0.033 | mg/kg | | 8270C | 11/06/09 | 1 |
| Fluoranthene | U | 0.0079 | 0.033 | mg/kg | | 8270C | 11/06/09 | 1 |
| Fluorene | 0.030 | 0.0095 | 0.033 | mg/kg | J | 8270C | 11/06/09 | 1 |
| Indeno(1,2,3-cd)pyrene | U | 0.011 | 0.033 | mg/kg | | 8270C | 11/06/09 | 1 |
| Naphthalene | 0.12 | 0.016 | 0.033 | mg/kg | | 8270C | 11/06/09 | 1 |
| Phenanthrene | 0.057 | 0.0073 | 0.033 | mg/kg | | 8270C | 11/06/09 | 1 |
| Pyrene | U | 0.0089 | 0.033 | mg/kg | | 8270C | 11/06/09 | 1 |
| Surrogate Recovery | | | | | | | | |
| Nitrobenzene-d5 | 59.8 | | | % Rec. | | 8270C | 11/06/09 | 1 |
| 2-Fluorobiphenyl | 63.4 | | | % Rec. | | 8270C | 11/06/09 | 1 |
| p-Terphenyl-d14 | 59.4 | | | % Rec. | | 8270C | 11/06/09 | 1 |

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Reported: 11/11/09 11:23 Printed: 11/11/09 11:24

L430535-01 (PH) - 11@19.6c



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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

November 11, 2009

Date Received : November 05, 2009
Description : Pit Reclaims -Collbran
Sample ID : STITES 20-8 BG
Collected By : Brett Kennedy
Collection Date : 11/04/09 13:00

ESC Sample # : L430535-02

Site ID :

Project # :

| Parameter | Result | MDL | RDL | Units | Q | Method | Date | Dil. |
|-------------------------|--------|------|-----|----------|---|---------|----------|------|
| pH | 7.9 | | | su | | 9045D | 11/06/09 | 1 |
| Sodium Adsorption Ratio | 6.7 | | | | | Calc. | 11/04/09 | 1 |
| Specific Conductance | 410 | | | umhos/cm | | 9050AMo | 11/09/09 | 1 |
| Arsenic | U | 0.32 | 1.0 | mg/kg | | 6010B | 11/09/09 | 1 |

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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Reported: 11/11/09 11:23 Printed: 11/11/09 11:24

L430535-02 (PH) - 7.9@19.4c



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

Grand Junction, CO 81506

Report Summary

Monday December 07, 2009

Report Number: L434452

Samples Received: 12/02/09

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:


Craig Cothron, 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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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

December 07, 2009

Date Received : December 02, 2009
Description : Pit Reclaims - Collbran
Sample ID : STITES 20-8 FILL
Collected By : Brett Kennedy
Collection Date : 11/30/09 16:30

ESC Sample # : L434452-01

Site ID :

Project # :

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|-------------------------|--------|------------|-------|--------|----------|------|
| pH | 8.7 | | su | 9045D | 12/03/09 | 1 |
| Sodium Adsorption Ratio | 2.4 | | | Calc. | 12/04/09 | 1 |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Reported: 12/07/09 10:26 Printed: 12/07/09 10:26

L434452-01 (PH) - 8.7@16.8c



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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: L458028

Samples Received: 05/08/10

Client Project:

Description: Pit Reclaims - Collbran

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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

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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

ESC Sample # : L458028-01

Sample ID : STITES 20-8 POST REC 6-8 FT

Site ID :

Collected By : Brett Kennedy
Collection Date : 05/06/10 10:18

Project # :

| Parameter | Result | MDL | RDL | Units | Qualifier | Method | Date | Dil. |
|-----------|--------|-------|------|-------|-----------|--------|----------|------|
| Arsenic | 4.2 | 0.32 | 1.0 | mg/kg | | 6010B | 05/11/10 | 1 |
| Barium | 2900 | 0.050 | 0.25 | mg/kg | | 6010B | 05/11/10 | 1 |

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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

Report Summary

Friday July 23, 2010

Report Number: L469802

Samples Received: 07/21/10

Client Project:

Description: Pit Reclaims - Collbran

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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

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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 23, 2010

Date Received : July 21, 2010
Description : Pit Reclaims - Collbran
Sample ID : STITES 20-8 BG-N 0-6 IN
Collected By : Brett Kennedy
Collection Date : 07/20/10 12:31

ESC Sample # : L469802-01

Site ID :

Project # :

| Parameter | Result | MDL | RDL | Units | Qualifier | Method | Date | Dil. |
|-----------|--------|------|-----|-------|-----------|--------|----------|------|
| Arsenic | 2.9 | 0.32 | 1.0 | mg/kg | | 6010B | 07/22/10 | 1 |

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

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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 23, 2010

Date Received : July 21, 2010
Description : Pit Reclaims - Colibran
Sample ID : STITES 20-8 BG-E 0-6 IN
Collected By : Brett Kennedy
Collection Date : 07/20/10 12:41

ESC Sample # : L469802-02

Site ID :

Project # :

| Parameter | Result | MDL | RDL | Units | Qualifier | Method | Date | Dil. |
|-----------|--------|------|-----|-------|-----------|--------|----------|------|
| Arsenic | 4.2 | 0.32 | 1.0 | mg/kg | | 6010B | 07/22/10 | 1 |

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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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 23, 2010

Date Received : July 21, 2010
Description : Pit Reclaims - Collbran
Sample ID : STITES 20-8 BG-S 0-6 IN
Collected By : Brett Kennedy
Collection Date : 07/20/10 12:47

ESC Sample # : L469802-03

Site ID :

Project # :

| Parameter | Result | MDL | RDL | Units | Qualifier | Method | Date | Dil. |
|-----------|--------|------|-----|-------|-----------|--------|----------|------|
| Arsenic | 4.4 | 0.32 | 1.0 | mg/kg | | 6010B | 07/22/10 | 1 |

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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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 23, 2010

Date Received : July 21, 2010
Description : Pit Reclaims - Collbran
Sample ID : STITES 20-8 BG-W 0-6 IN
Collected By : Brett Kennedy
Collection Date : 07/20/10 12:25

ESC Sample # : L469802-04

Site ID :

Project # :

| Parameter | Result | MDL | RDL | Units | Qualifier | Method | Date | Dil. |
|-----------|--------|------|-----|-------|-----------|--------|----------|------|
| Arsenic | 3.7 | 0.32 | 1.0 | mg/kg | | 6010B | 07/22/10 | 1 |

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MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

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