

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



#6068

FOR OGCC USE ONLY

RECEIVED
8/18/2011

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: 66571

Name of Operator: OXY USA WTP LP

Address: 760 Horizon Drive, Suite 101

City: Grand Junction State: CO Zip: 81506

Contact Name and Telephone:

Daniel Padilla

No: 970.263.3637

Fax: 970.263.3694

API Number: 05-045-10194

County: Garfield

Facility Name: OXY Mesa PP Federal (Pit)

Facility Number: 273648

Well Name: OXY FEDERAL

Well Number: 604-11

Location: (QtrQtr, Sec, Twp, Rng, Meridian): NWNW, Sec 4, T6S, R97W, 6th PM Latitude: 39.560516 Longitude: -108.231921

TECHNICAL CONDITIONS

Type of Waste Causing Impact (crude oil, condensate, produced water, etc): Not Applicable

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.): Non-crop land rangeland

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: Parachute-Irigul complex 5-30% slopes

Potential receptors (water wells within 1/4 mi, surface waters, etc.): Nearest water well is monitoring well owned and operated by Williams Production and is ~2980' west of the pit. A natural drainage connects with the head waters of Conn Creek ~ 625' southwest of the pit.

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

Impacted Media (check):

☐ Soils☐ Vegetation☐ Groundwater☐ Surface Water

Extent of Impact:

N/A

N/A

N/A

N/A

How Determined:

Laboratory analytical 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 the pit as a blowdown pit in September of 2004 and briefly converted it to a production pit in 2008 before it was closed. Oxy closed this pit in late 2008. Oxy is providing this pit closure form/plan for COGCC review/approval.

Describe how source is to be removed:

Oxy removed liquids from inside the pit; no solids were encountered. Liquids present in the pit were disposed of at the Black Mountain Disposal Facility near DeBeque, Colorado. Oxy disposed of the pit liner at Garfield County Landfill. Based on the sampling results of the pit bottom, all analytes are found to be below allowable concentration levels except for arsenic. Although the arsenic concentrations are above the COGCC regulated concentration, Oxy collected background samples in undisturbed locations which identified elevated concentrations of arsenic to be above concentrations found in the pit bottom.

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 were removed from the pit and no solids were encountered. Liquids present in the pit and the 30-mil high-density polyethylene liner were disposed of at commercial disposal facilities. Analytical concentrations found in the pit bottom are below the COGCC's table 910-1 concentrations except for As. The elevated concentrations of As have been found to be below As concentrations found in background samples. Oxy has submitted a Form 4 Sundry to account for this allowance. Oxy backfilled the pit with cuttings generated on-site. Oxy capped the pit with at least 6 inches topsoil to ensure a proper seed bed for revegetation. The backfilled pit was contoured to be level with the existing pad grade to minimize storm water erosion.

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)694-2100 Fax: (303)694-2109



Page 2
REMEDIAL 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 30-mil HDPE liner. This pit was used as a blowdown and production pit and no solids were encountered in the pit during closure activities. During excavation of the pit liner, an Oxy contractor was present to observe the soil below the liner. The Oxy contractor collected soil samples from below the pit liner to ensure environmental impacts were not present. Laboratory analytical results are included which identify the approximate sampling location within the pit at depth and compliance with the COGCC Table 910-1 allowable concentrations, except for arsenic. Oxy collected background samples in undisturbed locations which identified elevated concentrations of arsenic to be above concentrations found in the pit bottom. Oxy has submitted a Form 4 requesting a variance based on background concentrations of As.

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 with Oxy's Cascade Creek 604-11 well pad, and was approximately 10 feet deep. The pit liner was sent to the Garfield County Landfill for disposal. The reclaimed pit was contoured to be level with the pad grade to minimize stormwater runoff. Final pad reclamation will occur at the end of the life of the pad.

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 has found all analytical results to be below 910-1 criteria therefore no further reclamation is necessary. Final pad reclamation will occur at the end of the life of the pad.

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

In 2008, Oxy removed all liquids within the pit and disposed of it at the Black Mountain Disposal Facility near DeBeque, Colorado. No solids were encountered during removal of the liquids from the pit. Note that the pit liner was disposed of at the Garfield County Landfill.

IMPLEMENTATION SCHEDULE

| | | |
|---|---|--|
| Date Site Investigation Began: 10/08/2008 | Date Site Investigation Completed: 11/26/2008 | Date Remediation Plan Submitted: _____ |
| Remediation Start Date: 10/23/2008 | Anticipated Completion Date: _____ | Actual Completion Date: _____ |

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 Advisor

Date: 7/19/11

OGCC Approved: _____

Title: FOR

Date: 08/31/2011

Chris Canfield
EPS NW Region

State of Colorado
Oil and Gas Conservation Commission

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



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: 66571 | 4. Contact Name Daniel Padilla | Complete the Attachment Checklist |
| 2. Name of Operator: OXY USA WTP LP | Phone: (970) 263-3637 | |
| 3. Address: P.O. Box 27757 | Fax: (970) 243-2525 | OP OGCC |
| City: Houston State: TX Zip 77227-7757 | | |
| 5. API Number 05-045-10194 | OGCC Facility ID Number 273648 | Survey Plat |
| 6. Well/Facility Name OXY FEDERAL | 7. Well/Facility Number 604-11 | Directional Survey |
| 8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): NWNW, Sec 4, T6S, R97W, 6th PM | | Surface Eqpm Diagram |
| 9. County: Garfield | 10. Field Name: Grand Valley 31290 | Technical Info Page |
| 11. Federal, Indian or State Lease Number: COC-056830 | | Other: Pit Name & Type X |

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"/> FNL/FSL <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"/> attach directional survey |
| Bottomhole location Qtr/Qtr, Sec, Twp, Rng, Mer | |
| Latitude | Distance to nearest property line |
| Longitude | Distance to nearest bldg, public rd, utility or RR |
| Ground Elevation | Distance to nearest lease line |
| | Is location in a High Density Area (rule 603b)? Yes/No |
| | Distance to nearest well same formation |
| | Surface owner consultation date: |
| GPS DATA: | |
| Date of Measurement PDOP Reading Instrument Operator's Name | |
| <input type="checkbox"/> CHANGE SPACING UNIT | <input type="checkbox"/> Remove from surface bond |
| Formation Formation Code Spacing order number Unit Acreage Unit configuration | 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 checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Report of Work Done | |
| Approximate Start Date: 10/27/08 | 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: Change from Blowdown to Production | 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 PadillaDate: 10/21/08Email: daniel_padilla@oxy.comPrint Name: Daniel PadillaTitle: Regulatory Coordinator

COGCC Approved: _____

Title _____

Date: _____

CONDITIONS OF APPROVAL, IF ANY:

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

| | | | |
|--|--------------------------------|-----------------------|--------------|
| 1. OGCC Operator Number: | 66571 | API Number: | 05-045-10194 |
| 2. Name of Operator: | OXY USA WTP LP | OGCC Facility ID # | 273648 |
| 3. Well/Facility Name: | OXY Mesa PP Federal 604-11 Pit | Well/Facility Number: | 604-11 |
| 4. Location (QtrQtr, Sec, Twp, Rng, Meridian): | NWNW, 4, 6S, 97W, 6th | | |

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

Name change:

Original name: MCM 83-92
New name: OXY Mesa PP Federal 604-11 Pit

Change of pit type:

The OXY Mesa PP Federal 604-11 Pit was relined and dimensions changed by Sundry (approved on 5/2/01). OXY would like to request a change in pit use, from a blowdown pit to a production pit.

State of Colorado
Oil and Gas Conservation Commission

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



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: <u>66571</u> | 4. Contact Name: <u>Daniel I. Padilla</u> | Complete the Attachment Checklist |
| 2. Name of Operator: <u>OXY USA WTP LP</u> | Phone: <u>970.263.3637</u> | |
| 3. Address: <u>780 Horizon Drive, Suite 101</u> | Fax: <u>970.263.3694</u> | OP OGCC |
| City: <u>Grand Junction</u> State: <u>CO</u> Zip: <u>81506</u> | | |
| 5. API Number: <u>05-045-10194</u> | OGCC Facility ID Number: <u>273648</u> | Survey Plat |
| 6. Well/Facility Name: <u>Oxy Mesa PP Federal Pit</u> | Well/Facility Number: <u>604-11</u> | Directional Survey |
| 8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): <u>NNNW, Sec 4, T6S, R97W, 6th PM</u> | | Surface Egrmt Diagram |
| 9. County: <u>Garfield</u> | 10. Field Name: <u>Grand Valley</u> | Technical Info Page |
| 11. Federal, Indian or State Lease Number: <u>COC-056830</u> | | Other Lab data, map |

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"/> FNLFSL <input type="checkbox"/> FELFWL |
| Change of Surface Footage to Exterior Section Lines: | <input type="checkbox"/> <input type="checkbox"/> |
| Change of Bottomhole Footage from Exterior Section Lines: | <input type="checkbox"/> <input type="checkbox"/> |
| Change of Bottomhole Footage to Exterior Section Lines: | <input type="checkbox"/> <input type="checkbox"/> attach directional survey |
| Bottomhole location Qtr/Qtr, Sec, Twp, Rng, Mer | |
| Latitude | Distance to nearest property line |
| Longitude | Distance to nearest lease line |
| Ground Elevation | Distance to nearest well same formation |
| | Distance to nearest bldg, public rd, utility or RR |
| | Is location in a High Density Area (rule 603b)? Yes/No |
| | Surface owner consultation date: |
| GPS DATA: | |
| Date of Measurement | PDOP Reading |
| | Instrument Operator's Name |
| <input type="checkbox"/> CHANGE SPACING UNIT | <input type="checkbox"/> Remove from surface bond |
| Formation | Signed surface use agreement attached |
| Formation Code | |
| Spacing order number | |
| Unit Acreage | |
| Unit configuration | |
| <input type="checkbox"/> CHANGE OF OPERATOR (prior to drilling): | <input type="checkbox"/> CHANGE WELL NAME |
| Effective Date: | From: |
| Plugging Bond: <input type="checkbox"/> Blanket <input type="checkbox"/> Individual | To: |
| | Effective Date: |
| <input type="checkbox"/> ABANDONED LOCATION: | <input type="checkbox"/> NOTICE OF CONTINUED SHUT IN STATUS |
| Was location ever built? <input type="checkbox"/> Yes <input type="checkbox"/> No | Date well shut in or temporarily abandoned: |
| Is site ready for inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No | Has Production Equipment been removed from site? <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Date Ready for Inspection: | MIT required if shut in longer than two years. Date of last MIT |
| <input type="checkbox"/> SPUD DATE: | <input type="checkbox"/> REQUEST FOR CONFIDENTIAL STATUS (6 mos from date casing set) |
| <input type="checkbox"/> SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK | |
| *submit cbl and cement job summaries | |
| Method used | Date |
| Cementing tool setting/perf depth | |
| Cement volume | |
| Cement top | |
| Cement bottom | |
| <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"/> Change Drilling Plans | <input type="checkbox"/> Repair Well |
| <input type="checkbox"/> Gross Interval Changed? | <input type="checkbox"/> Rule 502 variance requested |
| <input type="checkbox"/> Casing/Cementing Program Change | <input checked="" type="checkbox"/> Other: Apply a different standard |
| | for Spills and Releases |
| | <input type="checkbox"/> E&P Waste Disposal |
| | <input type="checkbox"/> Beneficial Reuse of E&P Waste |
| | <input type="checkbox"/> Status Update/Change of Remediation Plans |

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

Signed: _____ Date: _____ Email: daniel_padilla@oxy.com
Print Name: Daniel I. Padilla Title: Regulatory Advisor

COGCC Approved: Chris Confield Title: FOR Date: 08/31/2011
CONDITIONS OF APPROVAL, IF ANY:

Chris Confield
EPS NW Region

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

1. OGCC Operator Number: 66571 API Number: 05-045-10194
2. Name of Operator: OXY USA WTP LP OGCC Facility ID # 273648
3. Well/Facility Name: Oxy Mesa PP Federal 604-11 Pit Well/Facility Number: 604-11
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): NWNW, Sec 4, T6S, R97W, 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 11/26/2008) 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 11/26/2008). 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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
**Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.
COC-056830

6. If Indian, Allottee or Tribe Name

N/A

SUBMIT IN TRIPLICATE -- Other instructions on page 2.

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator
OXY USA WTP LP

3a. Address
P.O. Box 27757
Houston, TX 77227-7757

3b. Phone No. (include area code)
(970)263-3637

7. If Unit of CA/Agreement, Name and/or No.
N/A

8. Well Name and No.
Oxy Mesa PP Federal 604-11 Pit

9. API Well No.
05-045-10194

10. Field and Pool or Exploratory Area
Grand Valley 31290

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NWNW, Sec 4, T6S, R97W, 6th PM

11. Country or Parish, State
Garfield, CO

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|---|---|---|--|---|
| <input type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other Pit Closure |
| | <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

OXY USA WTP LP (Oxy) has completed reclamation of the production pit located on the Federal 604-11 pad. Attached please find the closure documentation for the pit which was submitted to the COGCC.

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)
Daniel Padilla

Title Regulatory Advisor

Signature

Date

8/17/11

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

Pit Reclaims - Cascade Creek

Pad #: 604-11
Sample Date: 11/26/2008
Clearance Achieved Date:

| | Sample Identifications (mg/kg) | | | | | |
|------------------------------|--------------------------------|--------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | MCL (mg/kg) | Post Reclaim | Background EB (12/13/10) | Background WB (12/13/10) | Background NB (12/13/10) | Background SB (12/13/10) |
| Organics in Soil | | | | | | |
| TPH (GRO and DRO) - Sen Area | 500 | <4.0/<0.50 | - | - | - | - |
| Benzene | 0.17 | <0.0025 | - | - | - | - |
| Toluene | 85 | <0.025 | - | - | - | - |
| Ethylbenzene | 100 | <0.0025 | - | - | - | - |
| Xylenes | 175 | <0.0075 | - | - | - | - |
| Organics in Soil (PAH's) | | | | | | |
| Acenaphthene | 1000 | NA | - | - | - | - |
| Anthracene | 1000 | NA | - | - | - | - |
| Benzo(A)anthracene | 0.22 | NA | - | - | - | - |
| Benzo(B)fluoranthene | 0.22 | NA | - | - | - | - |
| Benzo(K)fluoranthene | 2.2 | NA | - | - | - | - |
| Benzo(A)pyrene | 0.022 | NA | - | - | - | - |
| Chrysene | 22 | NA | - | - | - | - |
| Dibenzo(A,H)anthracene | 0.022 | NA | - | - | - | - |
| Fluoranthene | 1000 | NA | - | - | - | - |
| Flourene | 1000 | NA | - | - | - | - |
| Indeno(1,2,3,C,D)pyrene | 0.22 | NA | - | - | - | - |
| Napthalene | 23 | NA | - | - | - | - |
| Pyrene | 1000 | NA | - | - | - | - |
| Inorganics in Soil | | | | | | |
| EC | <4 mmhos/cm or 2X background | 0.680 | - | - | - | - |
| SAR | <12 | 1.3 | - | - | - | - |
| pH | 6-9 | 8.4 | - | - | - | - |
| Metals in Soils | | | | | | |
| Arsenic | 0.39 | 2.1 | 2.6 | 2.4 | 2.0 | 2.7 |
| Barium (LDNR True Total) | 15000 | 220 | - | - | - | - |
| Boron (Hot Water Soluble) | 2 (mg/L) | <0.20 (SPLP) | - | - | - | - |
| Cadmium | 70 | 0.53 | - | - | - | - |
| Chromium | 12000 | 60.0 | - | - | - | - |
| Chromium VI | 23 | NA | - | - | - | - |
| Copper | 3100 | 9.1 | - | - | - | - |
| Lead | 400 | 13.0 | - | - | - | - |
| Mercury | 23 | <0.020 | - | - | - | - |
| Molybenum | (3) - See Below | 0.71 | - | - | - | - |
| Nickel | 1600 | 34.0 | - | - | - | - |
| Selenium | (3)/390 | 1.90 | - | - | - | - |
| Silver | 390 | 0.95 | - | - | - | - |
| Zinc | 23000 | 45.0 | - | - | - | - |

(3) - Per the Old COGCC Rules, "Considerations are dependent on site specific conditions"



OXY USA WTP LP

760 Horizon Drive, Suite 101
Grand Junction, CO 81506

Federal 604-11 Blowdown Pit Sampling Figure

Revised: June 20, 2011 Garfield County, Colorado

0 0.01 0.02 0.03 0.04 0.05 Miles

Federal 604-11

- Approximate Location of Blowdown Pit
- Post Reclaim sample location (11/26/2008)
- Background sample location another project



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Est. 1970

David Spencer
Walsh Env.- Grand Junction
535 Grand Avenue

Grand Junction, CO 81501

Report Summary

Friday December 05, 2008

Report Number: L377030

Samples Received: 11/29/08

Client Project: 7830-240

Description: Pit Bottom Sampling

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

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

22 Samples Reported: 12/04/08 17:52 Revised: 12/05/08 11:21
Page 1 of 25



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REPORT OF ANALYSIS

David Spencer
Walsh Env.- Grand Junction
535 Grand Avenue
Grand Junction, CO 81501

December 05, 2008

Date Received : November 29, 2008
Description : Pit Bottom Sampling
Sample ID : 604-11 0-6IN
Collected By : David Spencer
Collection Date : 11/26/08 08:40

ESC Sample # : L377030-18

Site ID :

Project # : 7830-240

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|-----------------------------|--------|------------|----------|-----------|----------|------|
| pH | 8.4 | | su | 9045D | 12/01/08 | 1 |
| Sodium Adsorption Ratio | 1.3 | | | Calc. | 12/01/08 | 1 |
| Specific Conductance | 680 | | umhos/cm | 9050AMod | 12/03/08 | 1 |
| Mercury | BDL | 0.020 | mg/kg | 7471 | 12/02/08 | 1 |
| Arsenic | 2.1 | 1.0 | mg/kg | 6010B | 12/02/08 | 1 |
| Beryllium | 0.64 | 0.10 | mg/kg | 6010B | 12/04/08 | 1 |
| Cadmium | 0.53 | 0.25 | mg/kg | 6010B | 12/02/08 | 1 |
| Chromium | 60. | 0.50 | mg/kg | 6010B | 12/02/08 | 1 |
| Copper | 9.1 | 1.0 | mg/kg | 6010B | 12/02/08 | 1 |
| Lead | 13. | 0.25 | mg/kg | 6010B | 12/02/08 | 1 |
| Molybdenum | 0.71 | 0.25 | mg/kg | 6010B | 12/02/08 | 1 |
| Nickel | 34. | 1.0 | mg/kg | 6010B | 12/02/08 | 1 |
| Selenium | 1.9 | 1.0 | mg/kg | 6010B | 12/02/08 | 1 |
| Silver | 0.95 | 0.50 | mg/kg | 6010B | 12/02/08 | 1 |
| Zinc | 45. | 1.5 | mg/kg | 6010B | 12/02/08 | 1 |
| Benzene | BDL | 0.0025 | mg/kg | 8021/8015 | 11/30/08 | 5 |
| Toluene | BDL | 0.025 | mg/kg | 8021/8015 | 11/30/08 | 5 |
| Ethylbenzene | BDL | 0.0025 | mg/kg | 8021/8015 | 11/30/08 | 5 |
| Total Xylene | BDL | 0.0075 | mg/kg | 8021/8015 | 11/30/08 | 5 |
| TPH (GC/FID) Low Fraction | BDL | 0.50 | mg/kg | GRO | 11/30/08 | 5 |
| Surrogate Recovery-% | | | | | | |
| a,a,a-Trifluorotoluene(FID) | 94.1 | | % Rec. | 8021/8015 | 11/30/08 | 5 |
| a,a,a-Trifluorotoluene(PID) | 100. | | % Rec. | 8021/8015 | 11/30/08 | 5 |
| TPH (GC/FID) High Fraction | BDL | 4.0 | mg/kg | 3546/DRO | 12/01/08 | 1 |
| Surrogate recovery(%) | | | | | | |
| o-Terphenyl | 54.9 | | % Rec. | 3546/DRO | 12/01/08 | 1 |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Reported: 12/04/08 17:52 Revised: 12/05/08 11:21
L377030-18 (PH) - 8.4@18.1c

| Company Name/Address: Walsh Env.- Grand Junction 535 Grand Avenue Grand Junction, CO 81501 | | | Alternate billing information: | | | Analysis/Container/Preservative <div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);"> TPH, DRO and GRO BTEX FEC SAR pH As, Be, Cd, Cr, Cu, Pb, Hg, Mo Ni, Se, Ag, Fe SPL Boron </div> <div style="border: 1px solid black; padding: 2px;"> Chain of Custody Page <u> 4 </u> of <u> 4 </u> </div> </div> | | | | | | | | | |
|---|-----------|---------|---|----------|-------|--|---|---|---|---|---|---------------------|---------------------|------------|--------------|
| Report to: <u>David Spencer</u> Project Description: <u>Pit Bottom Sampling</u> Phone: (970) 241-4636 FAX: | | | Email to: <u>dspencer@walshenv.com</u> City/State Collected: <u>CO</u> Client Project #: <u>7830-240</u> Site/Facility ID#: | | | Prepared by: ENVIRONMENTAL SCIENCE CORP. 12065 Lebanon Road Mt Juliet, TN 37122 Phone (615) 758-5858 Phone (800) 767-5859 FAX (615) 758-5859 D125 4 | | | | | | | | | |
| Collected by: <u>David Spencer</u> Collected by (signature): <u>[Signature]</u> Immediately Packed on Ice N <u> Y </u> <u> ✓ </u> | | | Rush? (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? <u> No </u> <u> Yes </u> FAX? <u> No </u> <u> Yes </u> | | | No. of Cntrs Barcode: <u>WASHGAC</u> (lab use only) Template: <u>Prelogin</u> Shipped Via: | | | | | | |
| Sample ID | Comp/Grab | Matrix* | Depth | Date | Time | | | | | | | Remarks/Contaminant | Sample # (lab only) | | |
| 616-21-32 Pond 9 | Comp. | SS | 0-6" | 11/26/08 | 1:23 | 2 | X | X | X | X | X | X | X | L492717-22 | 301630-01/12 |
| 608-43-31 Pond 5 | Comp. | SS | 0-6" | 11/24/08 | 1:05 | 2 | X | X | X | X | X | X | X | 23 | 301630-02/12 |
| 609-14 Pond 8 | Comp. | SS | 0-6" | 11/24/08 | 1:30 | 2 | X | X | X | X | X | X | X | 24 | 301630-03/12 |
| 796-16B | Comp | SS | 0-6" | 11/26/08 | 11:55 | 2 | X | X | X | X | X | X | X | 25 | 301630-04/12 |
| 616-21-32 | Comp | SS | 0-6" | 11/26/08 | 9:15 | 2 | X | X | X | X | X | X | X | 26 | 301630-05/12 |
| 796-17C | Comp | SS | 0-6" | 11/24/08 | 11:40 | 2 | X | X | X | X | X | X | X | 27 | 301630-06/12 |
| 604-11 | Comp | SS | 0-6" | 11/24/08 | 8:40 | 2 | X | X | X | X | X | X | X | 28 | 301630-07/12 |
| 610-24-43 | Comp | SS | 0-6" | 11/24/08 | 8:12 | 2 | X | X | X | X | X | X | X | 29 | 301630-08/12 |
| 620-24-43 | Comp | SS | 0-6" | 11/26/08 | 10:00 | 2 | X | X | X | X | X | X | X | 30 | 301630-09/12 |

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

Remarks:

8603 8643 7250

Flow Other

| | | | | | | | | | |
|--|--|--|--|--|--|---|--|---|--|
| Relinquished by: (Signature) <u>[Signature]</u> | | Date: <u>11/26/08</u> Time: <u>1:00</u> | | Received by: (Signature) <u>[Signature]</u> | | Samples returned via: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/> | | Indicia (lab use only) <u>[Stamp]</u> | |
| Relinquished by: (Signature) <u>[Signature]</u> | | Date: <u> </u> Time: <u> </u> | | Received by: (Signature) <u>[Signature]</u> | | Temp: <u>43.0</u> Bottles Received: <u>22-862</u> | | CAC Seal Intact: <u> </u> | |
| Relinquished by: (Signature) <u>[Signature]</u> | | Date: <u> </u> Time: <u> </u> | | Received for lab by: (Signature) <u>[Signature]</u> | | Date: <u>11-29-08</u> Time: <u>09:00</u> | | Checked: <u> </u> NO <u> </u> | |



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Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

Report Summary

Wednesday December 29, 2010

Report Number: L493802

Samples Received: 12/15/10

Client Project:

Description: 604-11

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

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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,
TX - T104704245, OK-9915

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 WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

December 29, 2010

Date Received : December 15, 2010
Description : 604-11

Sample ID : 604-11-EB-121310

Collected By : Jake Harris
Collection Date : 12/13/10 15:20

ESC Sample # : L493802-01

Site ID :

Project # :

| Parameter | Result | MDL | RDL | Units | Qualifier | Method | Date | Dil. |
|-------------------------|--------|------|-----|----------|-----------|---------|----------|------|
| pH | 8.1 | | | su | | 9045D | 12/21/10 | 1 |
| Sodium Adsorption Ratio | 0.56 | | | | | Calc. | 12/20/10 | 1 |
| Specific Conductance | 230 | | | umhos/cm | | 9050AMo | 12/22/10 | 1 |
| Arsenic | 2.6 | 0.32 | 1.0 | mg/kg | | 6010B | 12/24/10 | 1 |

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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Reported: 12/29/10 16:30 Printed: 12/29/10 16:31
L493802-01 (PH) - 8.1@18.4c



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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

December 29, 2010

Date Received : December 15, 2010
Description : 604-11
Sample ID : 604-11-WB-121310
Collected By : Jake Harris
Collection Date : 12/13/10 15:30

ESC Sample # : L493802-02
Site ID :
Project # :

| Parameter | Result | MDL | RDL | Units | Qualifier | Method | Date | Dil. |
|-------------------------|--------|------|-----|----------|-----------|---------|----------|------|
| pH | 7.3 | | | su | | 9045D | 12/21/10 | 1 |
| Sodium Adsorption Ratio | 0.90 | | | | | Calc. | 12/20/10 | 1 |
| Specific Conductance | 220 | | | umhos/cm | | 9050AMo | 12/22/10 | 1 |
| Arsenic | 2.4 | 0.32 | 1.0 | mg/kg | | 6010B | 12/24/10 | 1 |

U = ND (Not Detected)

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RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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Reported: 12/29/10 16:30 Printed: 12/29/10 16:31
L493802-02 (PH) - 7.3@18.6c



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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

December 29, 2010

Date Received : December 15, 2010
Description : 604-11
Sample ID : 604-11-NB-121310
Collected By : Jake Harris
Collection Date : 12/13/10 15:10

ESC Sample # : L493802-03

Site ID :

Project # :

| Parameter | Result | MDL | RDL | Units | Qualifier | Method | Date | Dil. |
|-------------------------|--------|------|-----|----------|-----------|---------|----------|------|
| pH | 7.8 | | | su | | 9045D | 12/21/10 | 1 |
| Sodium Adsorption Ratio | 0.70 | | | | | Calc. | 12/20/10 | 1 |
| Specific Conductance | 240 | | | umhos/cm | | 9050AMo | 12/22/10 | 1 |
| Arsenic | 2.0 | 0.32 | 1.0 | mg/kg | | 6010B | 12/24/10 | 1 |

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD

RDL = Reported Detection Limit = LOQ = PQL = EQL

Note:

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Reported: 12/29/10 16:30 Printed: 12/29/10 16:31

L493802-03 (PH) - 7.8@18.4c



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REPORT OF ANALYSIS

Brett Kennedy
Oxy USA WTP LP - Grand Junction, CO
760 Horizon Dr., Ste. 101
Grand Junction, CO 81506

December 29, 2010

Date Received : December 15, 2010
Description : 604-11

ESC Sample # : L493802-04

Sample ID : 604-11-SB-121310

Site ID :

Collected By : Jake Harris
Collection Date : 12/13/10 15:40

Project # :

| Parameter | Result | MDL | RDL | Units | Qualifier | Method | Date | Dil. |
|-------------------------|--------|------|-----|----------|-----------|---------|----------|------|
| pH | 7.5 | | | su | | 9045D | 12/21/10 | 1 |
| Sodium Adsorption Ratio | 0.46 | | | | | Calc. | 12/20/10 | 1 |
| Specific Conductance | 60. | | | umhos/cm | | 9050AMo | 12/22/10 | 1 |
| Arsenic | 2.7 | 0.32 | 1.0 | mg/kg | | 6010B | 12/29/10 | 1 |

U = ND (Not Detected)

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Note:

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Reported: 12/29/10 16:30 Printed: 12/29/10 16:31
L493802-04 (PH) - 7.5@18.5c

Summary of Remarks For Samples Printed
12/29/10 at 16:31:19

TSR Signing Reports: 134
R5 - Desired TAT

Sample: L493802-01 Account: OXYWTPGJCO Received: 12/15/10 09:00 Due Date: 12/22/10 00:00 RPT Date: 12/29/10 16:30
Sample: L493802-02 Account: OXYWTPGJCO Received: 12/15/10 09:00 Due Date: 12/22/10 00:00 RPT Date: 12/29/10 16:30
Sample: L493802-03 Account: OXYWTPGJCO Received: 12/15/10 09:00 Due Date: 12/22/10 00:00 RPT Date: 12/29/10 16:30
Sample: L493802-04 Account: OXYWTPGJCO Received: 12/15/10 09:00 Due Date: 12/22/10 00:00 RPT Date: 12/29/10 16:30