

617-41 Blow-down Pit

Page 1  
FORM 4  
Rev 1/08

State of Colorado  
Oil and Gas Conservation Commission  
1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303)884-2100 Fax: (303)884-2108

**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 I. Padilla	Complete the Attachment Checklist OGCC
2. Name of Operator: OXY USA WTP LP	Phone: 970.263.3637	
3. Address: 780 Horizon Drive, Suite 101 City: Grand Junction State: CO Zip: 81506	Fax: 970.263.3684	
5. API Number: 65	OGCC Facility ID Number: 273846	Survey Plat
6. Well/Facility Name: Cascade Creek blowdown pit	Well/Facility Number: 617-41	Directional Survey
8. Location (City/Co, Sec, Twp, Rng, Meridian): NENE, Sec 17, T6S, R97W, 6th PM		Surface Egmt Diagram
9. County: Garfield	10. Field Name: Grand Valley	Technical Info Page
11. Federal, Indian or State Lease Number:		Other Lab data, map

**General Notice**

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

Change of Surface Footage from Exterior Section Lines: ☐ FULL ☐ PARTIAL

Change of Surface Footage to Exterior Section Lines: ☐ FULL ☐ PARTIAL

Change of Bottomhole Footage from Exterior Section Lines: ☐ FULL ☐ PARTIAL

Change of Bottomhole Footage to Exterior Section Lines: ☐ FULL ☐ PARTIAL

Bottomhole location City/Co, 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: \_\_\_\_\_

☐ CHANGE SPACING UNIT

Formation: \_\_\_\_\_ Formation Code: \_\_\_\_\_ Spacing order number: \_\_\_\_\_ Unit Acreage: \_\_\_\_\_ Unit configuration: \_\_\_\_\_

☐ Remove from surface bond

Signed surface use agreement attached: \_\_\_\_\_

☐ CHANGE OF OPERATOR (prior to drilling):

Effective Date: \_\_\_\_\_

Plugging Bond: ☐ Blanket ☐ Individual

☐ CHANGE WELL NAME

From: \_\_\_\_\_ NUMBER: \_\_\_\_\_

To: \_\_\_\_\_

Effective Date: \_\_\_\_\_

☐ ABANDONED LOCATION:

Well location ever built? ☐ Yes ☐ No

Is site ready for inspection? ☐ Yes ☐ No

Date Ready for Inspection: \_\_\_\_\_

☐ NOTICE OF CONTINUED SHUT-IN STATUS

Data well shut in or temporarily abandoned: \_\_\_\_\_

Has Production Equipment been removed from site? ☐ Yes ☐ No

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

☐ SPUD DATE: \_\_\_\_\_

☐ REQUEST FOR CONFIDENTIAL STATUS (if case from date casing set)

☐ SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK

Method used: \_\_\_\_\_ Cementing tool setting/port depth: \_\_\_\_\_ Cement volume: \_\_\_\_\_ Cement top: \_\_\_\_\_ Cement bottom: \_\_\_\_\_ Date: \_\_\_\_\_

\*submit chl and cement job summaries

☐ RECLAMATION: Attach technical page describing final reclamation procedures per Rule 1004.

Final reclamation will commence on approximately: \_\_\_\_\_ Final reclamation is completed and site is ready for inspection: \_\_\_\_\_

**Technical Engineering/Environmental Notice**

☒ Notice of Intent

Approximate Start Date: 5/18/2011

☐ 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"/> ESP Waste Disposal
<input type="checkbox"/> Change Drilling Plans	<input type="checkbox"/> Repair Well	<input type="checkbox"/> Beneficial Reuse of ESP 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: PK Closure	for Spills and Releases

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

Signed: Daniel I. Padilla Date: 5/18/11 Email: daniel\_padilla@oxy.com

Print Name: Daniel I. Padilla Title: Regulatory Advisor

OGCC Approved: Chris Canfield Title: FOR Date: 12/09/2011

CONDITIONS OF APPROVAL, IF ANY: Chris Canfield  
EPS NW Region

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

1. OGCC Operator Number:	66571	API Number:	
2. Name of Operator:	OXY USA WTP LP	OGCC Facility ID #	273646
3. Well/Facility Name:	Cascade Creek blowdown pit	Well/Facility Number:	617-41
4. Location (QtrQtr, Sec, Twp, Rng, Meridian):	NENE, Sec 17, 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 9/17/2008) 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 9/17/2008). 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.

## Pit Reclaims - Cascade Creek

Pad #: 617-41  
 Sample Date: 9/17/2008  
 Clearance Achieved Date:

	MCL (mg/kg)	Sample Identifications (mg/kg)					East Background 1/27/11	Northeast Background 1/27/11
		Post Reclaim 9/17/08	Excavation Background (1) 10- 12' 1/27/11	Excavation Background (2) 10- 12' 1/27/11	South Background 1/27/11	Southeast Background 1/27/11		
Organics in Soil								
TPH (GRO and DRO)	500	130.0	BDL	BDL	1.9	1.6	0.9	3.2
Benzene	0.17	<0.0025	BDL	BDL	BDL	BDL	BDL	BDL
Toluene	85	<0.025	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	100	<0.0025	BDL	BDL	BDL	BDL	BDL	BDL
Xylenes	175	<0.0075	BDL	BDL	BDL	BDL	BDL	BDL
Organics in Soil (PAH's)								
Acenaphthene	1000	NA	BDL	BDL	BDL	BDL	BDL	BDL
Anthracene	1000	NA	BDL	BDL	BDL	BDL	BDL	BDL
Benzo(A)anthracene	0.22	NA	BDL	BDL	BDL	BDL	BDL	BDL
Benzo(B)fluoranthene	0.22	NA	BDL	BDL	BDL	BDL	BDL	BDL
Benzo(K)fluoranthene	2.2	NA	BDL	BDL	BDL	BDL	BDL	BDL
Benzo(A)pyrene	0.022	NA	BDL	BDL	BDL	BDL	BDL	BDL
Chrysene	22	NA	BDL	BDL	BDL	BDL	BDL	BDL
Dibenzo(A,H)anthracene	0.022	NA	BDL	BDL	BDL	BDL	BDL	BDL
Fluoranthene	1000	NA	BDL	BDL	BDL	BDL	BDL	BDL
Flourene	1000	NA	BDL	BDL	BDL	BDL	BDL	BDL
Indeno(1,2,3,C,D)pyrene	0.22	NA	BDL	BDL	BDL	BDL	BDL	BDL
Napthalene	23	NA	BDL	BDL	BDL	BDL	BDL	BDL
Pyrene	1000	NA	BDL	BDL	BDL	BDL	BDL	BDL
Inorganics in Soil								
EC	<4 mmhos/cm or 2X background	5.20	0.098	0.1	0.051	0.059	0.065	0.064
SAR	<12	4.5	1.4	1.1	0.61	0.41	0.41	0.44
pH	6-9	7.7	8.3	8.4	6.2	6.6	6.6	6.6
Metals in Soils								
Arsenic	0.39	9.2	17	18	4.9	17	13	10
Barium	15000	1300	310	260	280	420	320	280
Boron	2 (mg/L)	13 (6010B)	BDL	3.3	5.4	3.5	3.7	1.8
Cadmium	70	0.26	BDL	BDL	0.068	BDL	BDL	BDL
Chromium	12000	48.0	71	63	33	61	50	43
Chromium VI	23	NA	BDL	BDL	7.2	8.4	8.6	7.8
Copper	3100	16.0	17	18	14	14	12	9.2
Lead	400	14.0	13	13	12	12	9.8	8.5
Mercury	23	0.021	0.017	0.019	0.0089	0.012	0.0069	0.0097
Selenium	390	27.0	BDL	BDL	BDL	BDL	BDL	BDL
Silver	390	<1.0	BDL	BDL	BDL	BDL	BDL	BDL
Zinc	23000	<0.50	47	49	45	42	35	29

BDL = Below detection limit

\*\* COGCC removed the LDNR True Total Method and is now allowing the SW846 method (per a clarification to the new rules)

\*\*\* COGCC allows us to no longer sample for Boron (per a clarification to the new rules)



## 617-41 Sampling Location Map

Revised: April 21, 2011 Garfield County, Colorado

0 0.025 0.05 0.075 0.1 0.125 Miles

697-08-53 Pad

NE Back

BE-1  
BE-2

E Back

S Back

SE Back

617-41 Pad

- Approximate location of blow-down pit
- Blow-down pit bottom composite location
- Background sample location