



02055758

Oil and Gas Conservation Commission

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



DE DA ET DE ES DA

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

FEB 27 2013

COGCC

Complete the Attachment
Checklist

OP OGCC

1. OGCC Operator Number: 66571	4. Contact Name Joan Proulx
2. Name of Operator: OXY USA WTP LP, Attn: Karen Summers	Phone: 970-263-3641
3. Address: P.O. Box 27757	Fax: 970-263-3694
City: Houston State: TX Zip 77227-7757	
5. API Number 05-045-10509-00	OGCC Facility ID Number
6. Well/Facility Name: Cascade Creek	7. Well/Facility Number 797-05-36
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): NESW 1/4 5 7S 97W 6 PM	
9. County: Garfield	10. Field Name: Grand Valley
11. Federal, Indian or State Lease Number: N/A	

Survey Plat	
Directional Survey	
Surface Eqpm Diagram	
Technical Info Page	X
Other Lab Analysis	X

General Notice

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

Change of Surface Footage from Exterior Section Lines:	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:		

Bottomhole location Qtr/Qtr, Sec, Twp, Rng, Mer

Latitude _____ Distance to nearest property line _____ Distance to nearest bldg, public rd, utility or RR _____

Longitude _____ Distance to nearest lease line _____ Is location in a High Density Area (rule 603b)? Yes/No ☐

Ground Elevation _____ Distance to nearest well same formation _____ Surface owner consultation date: _____

attach directional survey

GPS DATA:

Date of Measurement _____ PDOP Reading _____ Instrument Operator's Name _____

☐ CHANGE SPACING UNIT

Formation _____ Formation Code _____ Spacing order number _____ Unit Acreage _____ Unit configuration _____

☐ Remove from surface bond

Signed surface use agreement attached

☐ CHANGE OF OPERATOR (prior to drilling):Effective Date: _____
Plugging Bond: ☐ Blanket ☐ Individual☐ CHANGE WELL NAME

NUMBER

From: _____
To: _____
Effective Date: _____☐ ABANDONED LOCATION:Was location ever built? ☐ Yes ☐ No
Is site ready for inspection? ☐ Yes ☐ No
Date Ready for Inspection: _____☐ NOTICE OF CONTINUED SHUT IN STATUSDate well shut in or temporarily abandoned: _____
Has Production Equipment been removed from site? ☐ Yes ☐ No
MIT required if shut in longer than two years. Date of last MIT _____☐ SPUD DATE: _____☐ REQUEST FOR CONFIDENTIAL STATUS (6 mos from date casing set)☐ SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK

*submit cbl and cement job summaries

Method used _____ Cementing tool setting/perf depth _____ Cement volume _____ Cement top _____ Cement bottom _____ Date _____

☐ RECLAMATION:

Attach technical page describing final reclamation procedures per Rule 1004

Final reclamation will commence on approximately _____ ☐ Final reclamation is completed and site is ready for inspection.

Technical Engineering/Environmental Notice

☐ Notice of Intent

Approximate Start Date: _____

☒ Report of Work Done

Date Work Completed: 1/9/2013

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: H2S Reporting	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: Joan Proulx Date: 2/27/2013 Email: joan_proulx@oxy.com
Print Name: Joan Proulx Title: Regulatory AnalystCOGCC Approved: David Anderson Title: PE II Date: 4/23/2013
CONDITIONS OF APPROVAL, IF ANY:

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

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1. OGCC Operator Number: 66571 API Number: 05-045-10509-00
2. Name of Operator: OXY USA WTP LP OGCC Facility ID #
3. Well/Facility Name: Cascade Creek Well/Facility Number: 797-05-36
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): NESW NE8E 5 7S 97W 6 PM

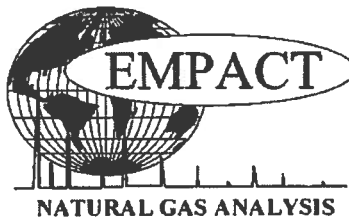
This form is to be completed whenever a Sundry Notice is submitted requiring detailed report of work to be performed or completed. This form shall be transmitted within 30 days of work completed as a "subsequent" report and must accompany Form 4, page 1.

5.

DESCRIBE PROPOSED OR COMPLETED OPERATIONS

In accordance with the COGCC NTO dated April 13, 2012, "Reporting Hydrogen Sulfide (H₂S)" please note:

1. Well name: Cascade Creek 797-05-36
2. API number: 05-045-10509-00
3. H₂S concentration: 39.7 ppm
4. Date sample collected: 1/9/2013
5. Type of measurement or analysis: Gas analysis
6. Description of sample point: Sample obtained at meter
7. Absolute Open Flow Potential: 12 MCFPD
8. The flow is not open to the atmosphere and the potential for an atmospheric release is negligible.
9. Distance to nearest residence of public use area: approximately 3.8 miles WSW
10. Distance to nearest public use road: 2,521'



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PROJECT NO. : 201301066 ANALYSIS NO. : 01
COMPANY NAME : OCCIDENTAL OIL & GAS ANALYSIS DATE: JANUARY 14, 2013
ACCOUNT NO. : SAMPLE DATE : JANUARY 9, 2013
PRODUCER : CASCADE TO:
LEASE NO. : CYLINDER NO. : S080
NAME/DESCRIP : 797-05-36 PAD
Well

FIELD DATA

SAMPLED BY : TIFFANI MONTOYA SAMPLE TEMP. : 29.2
SAMPLE PRES. : 100PSI AMBIENT TEMP.:
COMMENTS : SPOT: PROBE

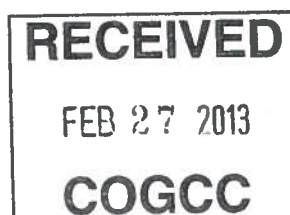
COMPONENTS	NORM. MOLE%	GPM @ 14.65	GPM @ 14.73
HELIUM	0.00	-	-
HYDROGEN	0.00	-	-
OXYGEN/ARGON	0.01	-	-
NITROGEN	0.15	-	-
CO2	1.69	-	-
METHANE	88.00	-	-
ETHANE	6.46	1.718	1.727
PROPANE	2.16	0.592	0.595
ISOBUTANE	0.47	0.153	0.154
N-BUTANE	0.48	0.150	0.151
ISOPENTANE	0.19	0.069	0.069
N-PENTANE	0.14	0.050	0.051
HEXANES+	0.25	0.108	0.108
TOTAL	100.00	2.840	2.855

BTU @ 60 DEG F	14.65	14.73
GROSS DRY REAL =	1114.0	1120.1
GROSS SATURATED REAL =	1094.5	1100.6

RELATIVE DENSITY (AIR=1 @ 14.696 PSIA 60F): 0.6514
COMPRESSIBILITY FACTOR : 0.99725

NOTE: REFERENCE GPA 2261(ASTM D1945 & ASME-PTC), 2145, & 2172 CURRENT PUBLICATIONS

EMPACT Analytical Systems Inc. 365 S Main St Brighton, CO 80601 303-637-0150



PROJECT NO: 201301066
COMPANY NAME: OCCIDENTAL OIL & GAS
NAME/DESCRIP: 797-05-36 PAD
CASCADE
COMMENTS: SPOT; PROBE
CYLINDER S080

SAMPLE NO: 01
ANALYSIS DATE: JANUARY 15, 2013
SAMPLE DATE: JANUARY 9, 2013
SAMPLED BY: TIFFANI MONTOYA

TEST PROCEDURE / METHOD: SULFUR BY GAS CHROMATOGRAPH SCD350 *

<u>COMPONENT</u>	<u>SULFUR</u> <u>ppm mole (ul/L)</u>
Hydrogen Sulfide (H2S)	39.7
Carbonyl Sulfide (COS)/Sulfur Dioxide (SO2)	BDL
Methanethiol (MeSH)	0.2
Ethanethiol (EtSH)	BDL
Dimethylsulfide (DMS)	BDL
Carbon Disulfide (CS2)	BDL
i-Propanethiol (i-PrSH)	BDL
t-Butanethiol (t-BuSH)	BDL
n-Propanethiol (n-PrSH)	BDL
Methylethylsulfide (MES)	BDL
s-Butanethiol (s-BuSH)	BDL
i-Butanethiol (i-BuSH)	BDL
Thiophene (TP)	BDL
Diethylsulfide (DES)	BDL
n-Butanethiol (n-BuSH)	BDL
Dimethyldisulfide (DMDS)	BDL
Methylthiophenes (MTP)	BDL
2-Ethylthiophene (2-ETP)	BDL
Methylethyldisulfide (MEDS)	BDL
Dimethylthiophene (DMTP)	BDL
Unidentified Sulfurs	BDL
Diethyldisulfide (DEDS)	BDL
Benzothiophene (BzTP)	BDL
Methylbenzothiophenes (MBzTP)	BDL
Unidentified Sulfurs	BDL
Dimethylbenzothiophenes (DMBzTP)	BDL
Unidentified Sulfurs	BDL
TOTAL SULFUR	<u>40.0</u>

* ASTM D5504

** DETECTION LIMIT DETERMINED TO BE 0.1 ppm (ul/L) Sulfur - BDL (BELOW DETECTION LIMIT)

THE DATA PRESENTED HEREIN HAS BEEN ACQUIRED THROUGH JUDICIOUS APPLICATION OF CURRENT STATE-OF-THE ART ANALYTICAL TECHNIQUES. THE APPLICATIONS OF THIS INFORMATION IS THE RESPONSIBILITY OF THE USER. EMPACT ANALYTICAL SYSTEMS INC. ASSUMES NO RESPONSIBILITY FOR ACCURACY OF THE REPORTED INFORMATION NOR ANY CONSEQUENCES OF ITS APPLICATION.

EMPACT Analytical Systems, Inc. 365 South Main St. Brighton, CO. 80601 (303) 637-0150