



02055737

State of Colorado

Oil and Gas Conservation Commission

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

DE Da ET OC 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 11 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 05-045-13703-00	OGCC Facility ID Number
6. Well/Facility Name: Cascade Creek	7. Well/Facility Number 797-05-29D
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): NESE 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

<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"/> <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 bldg, public rd, utility or RR
Ground Elevation	Distance to nearest lease line
	Is location in a High Density Area (rule 603b)? Yes/No <input type="checkbox"/>
	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 type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Report of Work Done	
Approximate Start Date:	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: 2/11/2013 Email: joan_proulx@oxy.com

Print Name: Joan Proulx Title: Regulatory Analyst

COGCC Approved: David Anderson Title: PE II Date: 2/12/2013

CONDITIONS OF APPROVAL, IF ANY:

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

RECEIVED

FEB 11 2013

COGCC

1. OGCC Operator Number: 66571 API Number: 05-045-13703-00
2. Name of Operator: OXY USA WTP LP OGCC Facility ID #
3. Well/Facility Name: Cascade Creek Well/Facility Number: 797-05-29D
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): NESE 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.

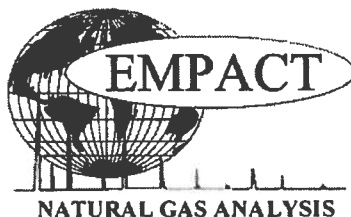
5. DESCRIBE PROPOSED OR COMPLETED OPERATIONS

In accordance with the COGCC NTO dated April 13, 2013, "Reporting Hydrogen Sulfide (H₂S)"
please note: 2012

1. Well name: Cascade Creek 797-05-29D
2. API number: 05-045-13703-00
3. H₂S concentration: 1.0 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: 106 MCFPD
8. The flow is not open to the atmosphere and the potential for an atmospheric release is negligible.
9. Distance to nearest residence or public use area: 12.3 miles
10. Distance to nearest public use road: 2,521'

approximately 3.8 miles WSW

D.A.



RECEIVED
FEB 11 2013
COGCC

PROJECT NO. : 201301066 ANALYSIS NO. : 02
COMPANY NAME : OCCIDENTAL OIL & GAS ANALYSIS DATE: JANUARY 14, 2013
ACCOUNT NO. : SAMPLE DATE : JANUARY 9, 2013
PRODUCER : CASCADE TO:
LEASE NO. : CYLINDER NO. : S038
NAME/DESCRIP : 797-05-29D ~~PAD~~
Well

FIELD DATA

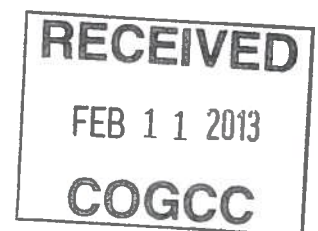
SAMPLED BY : TIFFANI MONTOYA SAMPLE TEMP. : 31F
SAMPLE PRES. : 100PSI AMBIENT TEMP.:
COMMENTS : SPOT; PROBE

COMPONENTS	NORM. MOLE%	GPM @ 14.65	GPM @ 14.73
HELIUM	0.00	-	-
HYDROGEN	0.00	-	-
OXYGEN/ARGON	0.01	-	-
NITROGEN	0.14	-	-
CO2	1.75	-	-
METHANE	87.92	-	-
ETHANE	6.53	1.736	1.746
PROPANE	2.15	0.589	0.592
ISOBUTANE	0.46	0.150	0.150
N-BUTANE	0.47	0.147	0.148
ISOPENTANE	0.18	0.065	0.066
N-PENTANE	0.13	0.047	0.047
HEXANES+	0.26	0.112	0.113
TOTAL	100.00	2.846	2.862
BTU @ 60 DEG F		14.65	14.73
GROSS DRY REAL		1113.3	1119.3
GROSS SATURATED REAL		1093.8	1099.8

RELATIVE DENSITY (AIR=1 @ 14.696 PSIA 60F) : 0.6518
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	SAMPLE NO:	02
COMPANY NAME:	OCCIDENTAL OIL & GAS	ANALYSIS DATE:	JANUARY 15, 2013
NAME/DESCRIP:	797-05-29D	SAMPLE DATE:	JANUARY 9, 2013
	CASCADE	SAMPLED BY:	TIFFANI MONTOYA
COMMENTS:	SPOT; PROBE		
	CYLINDER S038		

TEST PROCEDURE / METHOD: SULFUR BY GAS CHROMATOGRAPH SCD350 *

<u>COMPONENT</u>	<u>SULFUR</u> <u>ppm mole (ul/L)</u>
Hydrogen Sulfide (H2S)	1.0
Carbonyl Sulfide (COS)/Sulfur Dioxide (SO2)	BDL
Methanethiol (MeSH)	BDL
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
Methylethylsulfide (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>1.0</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