FORM 4 Rev 12/05

Page 1

02055702

Oil and Gas Conservation Commission

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

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NOV 13 2012
COGCC

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: 66561
2. Name of Operator: OXY USA Inc., Attn: Karen Summers
3. Address: P.O. Box 27757
   City: Houston State: TX Zip 77227-7757
4. Contact Name: Joan Proulx
   Phone: 970-263-3641
   Fax: 970-263-3694
5. API Number 05-077-08913-00 OGCC Facility ID Number
6. Well/Facility Name: Esperanza 7. Well/Facility Number 8-5
8. Location (QtrQtr, Sec, Twp, Rng, Meridian): SENW 8 10S 94W 6 PM
9. County: Mesa 10. Field Name: Plateau
11. Federal, Indian or State Lease Number: N/A

Complete the Attachment Checklist

	OP	OGCC
Survey Plat		
Directional Survey		
Surface Eqpmt 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)

	FNL/FSL		FEL/FWL	
Change of **Surface** Footage from Exterior Section Lines:				
Change of **Surface** Footage to Exterior Section Lines:				
Change of **Bottomhole** Footage from Exterior Section Lines:				
Change of **Bottomhole** Footage to Exterior Section Lines:				attach directional survey

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:

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 STATUS**
Date 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: 10/11/2012

Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)

☐ Intent to Recomplete (submit form 2)	☐ Request to Vent or Flare	☐ E&P Waste Disposal
☐ Change Drilling Plans	☐ Repair Well	☐ Beneficial Reuse of E&P Waste
☐ Gross Interval Changed?	☐ Rule 502 variance requested	☐ Status Update/Change of Remediation Plans
☐ Casing/Cementing Program Change	☒ 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: Date: 11/13/2012 Email joan_proulx@oxy.com

Print Name: Joan Proulx Title: Regulatory Analyst

COGCC Approved: Title PE II Date: 1/2/2013

CONDITIONS OF APPROVAL, IF ANY:

FORM 4 Rev 12/05

TECHNICAL INFORMATION PAGE

FOR OGCC USE ONLY
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COGCC

1. OGCC Operator Number: 66561 API Number: 05-077-08913
2. Name of Operator: OXY USA Inc. OGCC Facility ID #
3. Well/Facility Name: Esperanza Well/Facility Number: 8-5
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): SENW 8 10S 94W 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:

H2S concentration: 0.2 ppm
Sample date: 10/11/2012
DA Analysis date: ~~10/25/2012~~ 10/19/2012
Type of measurement: Gas analysis
Description of sample point: Sample obtained at meter.
Absolute Open Flow Potential: 120 MCFPD
The flow is not open to the atmosphere and the potential for an atmospheric release is negligible.
DA Distance to nearest residence: ~~3.3 miles~~ 0.42 miles
Distance to neartest road: .86 miles

EMPACT

PROJECT NO:	**201210121**	SAMPLE NO:	**01**
COMPANY NAME:	**OCCIDENTAL OIL & GAS**	ANALYSIS DATE:	OCTOBER 19, 2012
NAME/DESCRIP:	PLATEAU 1043; ESPERANZA 8-5	SAMPLE DATE:	OCTOBER 11, 2012
		SAMPLED BY:	TIFFANI MONTOYA
COMMENTS:	SPOT; PROBE; H2S STAIN TUBE INDICATION = 9PPM	CYLINDER:	S071

TEST PROCEDURE / METHOD: SULFUR BY GAS CHROMATOGRAPH SCD350 *

COMPONENT	**SULFUR ppm mole (ul/L)**
Hydrogen Sulfide (H2S)	0.2
Carbonyl Sulfide (COS)/Sulfur Dioxide (SO2)	0.2
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
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	0.4

* ASTM D5504

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

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

EMPACT

NATURAL GAS ANALYSIS

PROJECT NO. :	**201210121**	ANALYSIS NO. :	**01**
COMPANY NAME :	**OCCIDENTAL OIL & GAS**	ANALYSIS DATE:	OCTOBER 25, 2012
ACCOUNT NO. :		SAMPLE DATE :	OCTOBER 11, 2012
PRODUCER :		TO:	
LEASE NO. :	1043	CYLINDER NO. :	S071
NAME/DESCRIP :	PLATEAU; ESPERANZA 8-5		

FIELD DATA

SAMPLED BY :	TIFFANI MONTOYA	SAMPLE TEMP. :	73 F
SAMPLE PRES. :	45 PSI	AMBIENT TEMP.:	
COMMENTS :	SPOT; PROBE; H2S STAIN TUBE INDICATED = 9PPM		

COMPONENTS	NORM. MOLE%	GPM @ 14.65	GPM @ 14.73
HELIUM	0.00	-	-
HYDROGEN	0.00	-	-
OXYGEN/ARGON	0.07	-	-
NITROGEN	0.36	-	-
CO2	3.08	-	-
METHANE	83.69	-	-
ETHANE	7.07	1.880	1.890
PROPANE	3.24	0.888	0.892
ISOBUTANE	0.69	0.225	0.226
N-BUTANE	0.77	0.241	0.243
ISOPENTANE	0.27	0.098	0.099
N-PENTANE	0.21	0.076	0.076
HEXANES+	0.55	0.237	0.239
TOTAL	100.00	3.645	3.665

BTU @ 60 DEG F	14.65	14.73
GROSS DRY REAL =	1146.9	1153.1
GROSS SATURATED REAL =	1126.8	1133.1

RELATIVE DENSITY (AIR=1 @14.696 PSIA 60F) : 0.6982

COMPRESSIBILITY FACTOR : 0.99688

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

Oxy Natural Gas Analysis Report

Sample Information

	Sample Information
Sample Name	ESPERANZA RANCH 8-5
Operator	TIFFANI MONTOYA
Sample Notes	H2S STAIN TUBE INDICATION = 15 PPM
Injection Date	2012-10-05 13:11:33

Component Results

Component Name	Ret. Time	Peak Area	Norm%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	21.490	184524.0	0.018	0.0	0.00017	0.002
Methane	21.840	115007486.0	85.115	861.7	0.47145	14.469
Carbon Dioxide	25.450	5015227.0	2.651	0.0	0.04028	0.454
Ethane	33.330	14753531.0	7.011	124.4	0.07279	1.880
Propane	29.320	12891235.0	3.174	80.0	0.04832	0.877
i-Butane	32.780	3084974.0	0.676	22.0	0.01357	0.222
n-Butane	35.220	3574848.0	0.764	25.0	0.01533	0.242
i-Pentane	43.080	1512759.0	0.289	11.6	0.00720	0.106
n-Pentane	46.510	1177780.0	0.214	8.6	0.00533	0.078
n-Hexane	68.630	521215.0	0.088	4.2	0.00262	0.036
Water	0.000	0.0	0.000	0.0	0.00000	0.000
Total:			100.000	1137.5	0.67707	18.365

Results Summary

Result	Dry	Sat.
Total Raw Mole% (Dry)	100.792	
Pressure Base (psia)	14.730	
Temperature Base	60.0	
Water Mole%	-	1.741
Gross Heating Value (BTU / Ideal cu.ft.)	1137.5	1117.7
Gross Heating Value (BTU / Real cu.ft.)	1140.8	1121.4
Relative Density (G), Real	0.6788	0.6781
Compressibility (Z) Factor	0.9970	0.9967