

**State of Colorado**  
**Oil and Gas Conservation Commission**

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



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Document Number:

400416420

Date Received:

05/10/2013

## SUNDRY NOTICE

Submit a signed original. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full in Comments or provide as an attachment. Identify Well by API Number; identify Oil and Gas Location by Location ID Number; identify other Facility by Facility ID Number.

OGCC Operator Number:	66561	Contact Name	Daniel Padilla
Name of Operator:	OXY USA INC	Phone:	(970) 263-3637
Address:	PO BOX 27757	Fax:	(970) 263-3694
City:	HOUSTON	State:	TX
Zip:	77227	Email:	daniel_padilla@oxy.com

## Complete the Attachment Checklist

OP OGCC

API Number :		05-	077	00	OGCC Facility ID Number:		334537
Well/Facility Name:		LARAMIE LAND&CATTLE CO-610S94W			Well/Facility Number:		17SWNW
Location	QtrQtr:	SWNW	Section:	17	Township:	10S	Range: 94W Meridian: 6
County:		MESA	Field Name:		PLATEAU		
Federal, Indian or State Lease Number:							

Survey Plat		
Directional Survey		
Srvc Eqpmnt Diagram		
Technical Info Page		
Other		

## CHANGE OF LOCATION OR AS BUILT GPS REPORT

- ☐ Change of Location \*      ☐ As-Built GPS Location Report      ☐ As-Built GPS Location Report with Survey

\* Well location change requires new plat. A substantive surface location change may require new Form 2A.

**SURFACE LOCATION GPS DATA** Data must be provided for Change of Surface Location and As Built Reports.

Latitude \_\_\_\_\_ PDOP Reading \_\_\_\_\_ Date of Measurement \_\_\_\_\_  
Longitude \_\_\_\_\_ GPS Instrument Operator's Name \_\_\_\_\_

**LOCATION CHANGE (all measurements in Feet)**

Well will be: (Vertical, Directional, Horizontal)

Change of **Surface** Footage **From** Exterior Section Lines:

Change of **Surface** Footage To Exterior Section Lines:

Current <b>Surface</b> Location From	QtrQtr	SWNW	Sec	17
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New **Surface** Location To QtrQtr  Sec

Change of **Top of Productive Zone** Footage **From** Exterior Section Lines:

Change of **Top of Productive Zone** Footage To Exterior Section Lines:

Current <b>Top of Productive Zone</b> Location From	Sec	
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New **Top of Productive Zone** Location To Sec  

Change of **Bottomhole** Footage **From** Exterior Section Lines:

Change of **Bottomhole** Footage To Exterior Section Lines:

Current **Bottomhole** Location      Sec       Twp

New **Bottomhole** Location      Sec       Twp

Is location in High Density Area?

Distance, in feet, to nearest building \_\_\_\_\_, public road: \_\_\_\_\_, above ground utility: \_\_\_\_\_, railroad: \_\_\_\_\_,

property line: \_\_\_\_\_, lease line: \_\_\_\_\_, well in same formation: \_\_\_\_\_

Ground Elevation                      feet                      Surface owner consultation date

FNL/FSL		FEL/FWL		
1682	FNL	1240	FWL	
Twp 10S	Range 94W	Meridian 6		
Twp	Range	Meridian		
				**
Twp	Range			
Twp	Range			
				**

\*\* attach deviated drilling plan

## OTHER CHANGES

☐ **REMOVE FROM SURFACE BOND** Signed surface use agreement is a required attachment

☐ **CHANGE OF WELL, FACILITY OR OIL & GAS LOCATION NAME OR NUMBER**

From: Name LARAMIE LAND&CATTLE CO-610S94W Number 17SWNW Effective Date: \_\_\_\_\_

To: Name \_\_\_\_\_ Number \_\_\_\_\_

☐ **ABANDON PERMIT: Permit can only be abandoned if the permitted operation has NOT been conducted. Field inspection will be conducted to verify site status.**

☐ WELL: Abandon Application for Permit-to-Drill (Form2) – Well API Number \_\_\_\_\_ has not been drilled.

☐ PIT: Abandon Earthen Pit Permit (Form 15) – COGCC Pit Facility ID Number \_\_\_\_\_ has not been constructed (Permitted and constructed pit requires closure per Rule 905)

☐ CENTRALIZED E&P WASTE MANAGEMENT FACILITY: Abandon Centralized E&P Waste Management Facility Permit (Form 28) – Facility ID Number \_\_\_\_\_ has not been constructed (Constructed facility requires closure per Rule 908)

OIL & GAS LOCATION ID Number: \_\_\_\_\_

☐ Abandon Oil & Gas Location Assessment (Form 2A) – Location has not been constructed and site will not be used in the future.

☐ Keep Oil & Gas Location Assessment (Form 2A) active until expiration date. This site will be used in the future.

**Surface disturbance from Oil and Gas Operations must be reclaimed per Rule 1003 and Rule 1004.**

☐ **REQUEST FOR CONFIDENTIAL STATUS**

☐ **DIGITAL WELL LOG UPLOAD**

☒ **DOCUMENTS SUBMITTED** Purpose of Submission: Water sample location map, analytical spreadsheet, and laboratory reports.

## RECLAMATION

### INTERIM RECLAMATION

☐ Interim Reclamation will commence approximately \_\_\_\_\_

Per Rule 1003.e.(3) operator shall submit Sundry Notice reporting interim reclamation is complete and site is ready for inspection when vegetation reaches 80% coverage.

☐ Interim reclamation complete, site ready for inspection.

Per Rule 1003.e(3) describe interim reclamation procedure in Comments below or provide as an attachment and attach required location photographs.

**Field inspection will be conducted to document Rule 1003.e. compliance**

### FINAL RECLAMATION

☐ Final Reclamation will commence approximately \_\_\_\_\_

Per Rule 1004.c.(4) operator shall submit Sundry Notice reporting final reclamation is complete and site is ready for inspection when vegetation reaches 80% coverage.

☐ Final reclamation complete, site ready for inspection. Per Rule 1004.c(4) describe final reclamation procedure in Comments below or provide as an attachment.

**Field inspection will be conducted to document Rule 1004.c. compliance**

Comments:

## ENGINEERING AND ENVIRONMENTAL WORK

## ☐ NOTICE OF CONTINUED TEMPORARILY ABANDONED STATUS

Indicate why the well is temporarily abandoned and describe future plans for utilization in the COMMENTS box below or provide as an attachment, as required by Rule 319.b.(3).

Date well temporarily abandoned \_\_\_\_\_ Has Production Equipment been removed from site? \_\_\_\_\_

Mechanical Integrity Test (MIT) required if shut in longer than 2 years. Date of last MIT \_\_\_\_\_

☐ SPUD DATE: \_\_\_\_\_

### TECHNICAL ENGINEERING AND ENVIRONMENTAL WORK

Details of work must be described in full in the COMMENTS below or provided as an attachment.

☐ NOTICE OF INTENT Approximate Start Date \_\_\_\_\_

☒ REPORT OF WORK DONE Date Work Completed 05/09/2013

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Intent to Recomplete (Form 2 also required) | <input type="checkbox"/> Request to Vent or Flare   | <input type="checkbox"/> E&P Waste Management Plan     |
| <input type="checkbox"/> Change Drilling Plan                        | <input type="checkbox"/> Repair Well  | <input type="checkbox"/> Beneficial Reuse of E&P Waste |
| <input type="checkbox"/> Gross Interval Change                       | <input type="checkbox"/> Rule 502 variance requested. Must provide detailed info regarding request.   |  |
| <input type="checkbox"/> Other _____                                 | <input checked="" type="checkbox"/> Status Update/Change of Remediation Plans for Spills and Releases |  |

### COMMENTS:

Colorado Land #1 Case (Grove Creek Seeps – Location ID: 334537)  
NOAV #200262741  
REM #5132

OXY USA Inc. (Oxy) is providing the COGCC with its annual remediation status report for 2012, which also includes activities initiated the previous year (2011), for the above referenced project.

#### 2011 Project Activities:

In March of 2011 Oxy began a pilot test treatment study at the site involving three iSOC (non-sparging) oxygen-dissolving probes, which were installed in the groundwater within remediation structure wells 9, 10 and 15, see attached diagram. The goal of these probes was to infuse oxygen from tanks stored onsite into the surrounding impacted groundwater in order to significantly increase the dissolved oxygen and speed up the natural break down of any remaining hydrocarbon material in-situ. Monthly water samples were collected from the remediation structures (when present), as well as surface seeps along Grove Creek (when present) and a down-gradient control location on Grove Creek (Sample OXY DG1) through the end of 2011, analytical data is attached. The monthly sampling results indicated that the iSOC system has significantly decreased the BTEX concentration in the vicinity of MW15 (original source location). BTEX concentrations in some of the down-gradient wells increased at times as seasonal peaks in shallow groundwater (due to runoff and agricultural irrigation) presumably mobilized residual contamination. Water laboratory results, analytical summary tables and trend graphs for selected wells are attached.

#### 2012 Project Activities:

Monthly water samples were collected from the remediation structures (when present), surface seeps along Grove Creek (when present) and a down-gradient control location on Grove Creek (Sample OXY DG1) through the end of 2012, see attached analytical data. The monthly sampling results indicate that the iSOC system continue to decrease the BTEX concentrations in the vicinity of the remediation structure wells. The BTEX concentrations in some of the down-gradient wells increased at times as seasonal peaks in shallow groundwater (due to runoff and agricultural irrigation) presumably mobilized residual contamination. In April of 2012 the iSOC unit in remediation structure well 10 was moved to well number 5 in order to capture anticipated seasonal migration (irrigation season) to the north. Water laboratory results, analytical summary tables and trend graphs for selected wells are attached. Oxy's initial investigation activities included digging several bell holes between the LL&CC 17-5 well pad and Grove Creek. Approximately 1250 cubic yards of spoils that were determined to be impacted by hydrocarbons were placed on a liner within an earthen berm at the north end of the LL&CC 17-5 pad. Oxy submitted a "Land Treatment Plan of E&P Hydrocarbon Wastes – Remediation #5132" on August 19th, 2010 (COGCC Document #2231949). A total of six grab samples were collected from various depths and submitted to the laboratory for full Table 910-1 analysis in September 2012. Results indicate that the soil has been successfully treated and is within COGCC Table 910-1 allowable concentrations. Soil laboratory results and analytical summary table are attached.

#### 2013 Recommended Activities:

Oxy will continue to use iSOC probes in wells 5, 9, and 15 unless data trends indicate the need to move the probe(s) to different remediation structures through the end of 2013. A review of current remediation effectiveness will be conducted at the end of 2013. Oxy requests the switch to a quarterly sampling schedule beginning in the second quarter of 2013 until site cleanup and COGCC closure has been achieved. Oxy will continue with the current sampling schedule until approval to change the sampling frequency is obtained by the COGCC.

## H2S REPORTING

Data Fields in this section are intended to document Sample and Location Data associated with the collection of a Gas Sample that is submitted for Laboratory Analysis.

Gas Analysis Report must be attached.

H2S Concentration: \_\_\_\_\_ in ppm (parts per million)

Date of Measurement or Sample Collection \_\_\_\_\_

Description of Sample Point:

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Absolute Open Flow Potential \_\_\_\_\_ in CFPD (cubic feet per day)

Description of Release Potential and Duration (If flow is not open to the atmosphere, identify the duration in which the container or pipeline would likely be opened for servicing operations.):

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Distance to nearest occupied residence, school, church, park, school bus stop, place of business, or other areas where the public could reasonably be expected to frequent: \_\_\_\_\_

Distance to nearest Federal, State, County, or municipal road or highway owned and principally maintained for public use: \_\_\_\_\_

COMMENTS:

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## Best Management Practices

No BMP/COA Type

Description

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**Operator Comments:**

Landfarm analytical results indicate that the soil has been successfully treated and is within COGCC Table 910-1 allowable concentrations. Oxy will request official COGCC closure of the temporary landfarm under a separate Form 4 submittal in late spring 2013.

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

Signed: \_\_\_\_\_ Print Name: Blair Rollins  
Title: Oxy Support Contractor Email: brollins@olssonassociates.com Date: 5/10/2013

Based on the information provided herein, this Sundry Notice (Form 4) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: KUBECZKO, DAVE Date: 9/17/2013

**CONDITIONS OF APPROVAL, IF ANY:****COA Type****Description**

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**General Comments****User Group****Comment****Comment Date**

Environmental	Quarterly sampling approved	7/3/2013 10:31:45 AM
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Total: 1 comment(s)

**Attachment Check List****Att Doc Num****Name**

400416420	FORM 4 SUBMITTED
400416423	WATER ANALYSIS

Total Attach: 2 Files