

State of Colorado
Oil and Gas Conservation Commission

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



DE	ET	OE	ES
Document Number: 400416420			

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 Eqpmt 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:

FNL/FSL		FEL/FWL	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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

Current **Surface** Location **From** QtrQtr SWNW Sec 17

Twp 10S Range 94W Meridian 6

New **Surface** Location **To** QtrQtr Sec

Twp Range Meridian

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

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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

Current **Top of Productive Zone** Location **From** Sec

Twp Range

New **Top of Productive Zone** Location **To** Sec

Twp Range

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

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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

Current **Bottomhole** Location Sec Twp Range

** attach deviated drilling plan

New **Bottomhole** Location Sec Twp Range

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 _____

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 Mangement 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:

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.):

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:

BMP

<u>Type</u>	<u>Comment</u>

Total: 0 comment(s)

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: _____

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

COGCC Approved: _____ Date: _____

CONDITIONS OF APPROVAL, IF ANY:

--

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400416423	WATER ANALYSIS

Total Attach: 1 Files