FORM 4 Rev 12/05

02055313

State of Colorado
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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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: 66571
2. Name of Operator: OXY USA WTP LP, Attn: Glenda Jones
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 05-045-20088-00 OGCC Facility ID Number
6. Well/Facility Name: Cascade Creek 7. Well/Facility Number 697-09-15B
8. Location (QtrQtr, Sec, Twp, Rng, Meridian): NWSE 9 6S 97W 6 PM
9. County: Garfield 10. Field Name: Grand Valley
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		

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
Longitude
Ground Elevation
Distance to nearest property line
Distance to nearest lease line
Distance to nearest well same formation
Distance to nearest bldg, public rd, utility or RR
Is location in a High Density Area (rule 603b)? Yes/No
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: 11/3/2011

☐ Report of Work Done
Date Work Completed:

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 for Spills and Releases
☐ Casing/Cementing Program Change	☒ Other: Bradenhead venting request	

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

Signed: Date: 11/3/2011 Email: joan_proulx@oxy.com
Print Name: Joan Proulx Title: Regulatory Analyst

COGCC Approved: Title PE II Date: 11/7/2011

CONDITIONS OF APPROVAL, IF ANY:

Collect a production gas sample and a gas sample from the production casing - surface casing annulus within 30 days. Analyze both gas samples for composition (C1 through C12) and stable isotopes of methane, ethane, and propane (Isotech Laboratories NG-2 analysis or similar). Submit analytical results on a Form 4 (Sundry Notice), accompanied by the laboratory's electronic data deliverable (EDD), to the attention of David Andrews (COGCC Engineering Supervisor). Shut in periodically to check 1-day build rate, and update COGCC engineering with build and blowdown observations after 60 days of venting. Keep blown down to tank when bradenhead is not shut in.

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TECHNICAL INFORMATION PAGE

FOR OGCC USE ONLY

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1. OGCC Operator Number: 66571 API Number: 05-045-20088-00
2. Name of Operator: OXY USA WTP LP OGCC Facility ID #
3. Well/Facility Name: Cascade Creek Well/Facility Number: 697-09-15B
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): NWSE 9 6S 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**

OXY USA WTP LP (Oxy) is requesting approval to continuously vent the bradenhead on the 697-09-15B well as we investigate the source of the increased pressure.

SEE ATTACHED EMAIL SUMMARY
DATED 11/7/2011

D.A.

Andrews, David

From: Joan_Proulx@oxy.com
Sent: Monday, November 07, 2011 2:06 PM
To: Andrews, David
Cc: Chris_Clark@oxy.com
Subject: Oxy 697-09-15B, API 045-20088

David:

Below is a chronological series of events for the Oxy 697-09-15B well bore. These events should show the steps leading up to the recent discovery of elevated bradenhead pressures being observed, and our request for venting as we continue to investigate the source of the pressure. The leaking source appears to be very small as the bradenhead blows down very quickly and builds pressure relatively slowly. There is no detectible flow in the line to the open top tank.

9/6/11 - Pressure Tested Casing 5,000 psi held for 10 minutes with no leak-off
9/21/11 - Frac Stage #1 Bradenhead pressure at 0 psi throughout job
9/22/11 - Frac Stage #2 Bradenhead pressure at 0 psi throughout job
9/23/11 - Frac Stage #3 Bradenhead pressure at 0 psi throughout job
9/26/11 - Frac Stage #4 Bradenhead pressure at 0 psi throughout job
9/27/11 - Frac Stage #5 Bradenhead pressure at 0 psi throughout job
9/28/11 - Frac Stage #6 Bradenhead pressure at 0 psi throughout job
9/29/11 - Frac Stage #7 Bradenhead pressure at 0 - 9 psi throughout job
9/30/11 - Frac Stage #8 Bradenhead pressure at 0 - 3 psi throughout job
10/14 - 10/16/11- Drill out plugs and well cleanup
10/16/11 - RIH and land tubing ~ 8573'
10/17/11 - Flow back, Bradenhead pressure at 83 psi
10/18/11 - Flow back, Bradenhead pressure at 79 psi
10/19/11 - Flow back, Bradenhead pressure at 111 psi
10/20/11 - Flow back, Bradenhead pressure at 227 psi, blew down to 0 psi and shut in
10/21/11 - Flow back, Bradenhead pressure at 200 psi, blew down to 0 psi and shut in
10/22/11 - Flow back, Bradenhead pressure at 200 psi, blew down to 0 psi and shut in
10/23/11 - Flow back, Bradenhead pressure at 211 psi, blew down to 0 psi and shut in
10/24/11 - Flow back, Bradenhead pressure at 208 psi, blew down to 0 psi and shut in
10/25/11 - Flow back, Bradenhead pressure at 208 psi, blew down to 0 psi and shut in
10/26/11 - Flow back, Bradenhead pressure at 229 psi, blew down to 0 psi several times and shut in
10/27/11 - Flow back, Bradenhead pressure at 0 psi
10/28/11 - Flow back, Bradenhead pressure at 584 psi, blew down to 0 psi and shut in
10/29/11 - Flow back, Bradenhead pressure at 709 psi, blew down to 0 psi and shut in (investigating well head leak)
10/30/11 - Flow back, Bradenhead pressure at 292 psi, blew down to 0 psi and shut in (investigating well head leak)
10/31/11 - Flow back, Bradenhead pressure at 746 psi, blew down to 0 psi and shut in (investigating well head leak)
11/1/11 - Flow back, Bradenhead pressure at 748 psi, blew down to 0 psi and shut in (investigating well head leak)
11/2/11 - Flow back, Bradenhead pressure at 717 psi, blew down to 0 psi and shut in, well head tested tight, no leak
11/3/11 - Flow back, Bradenhead pressure at 0 psi, bradenhead plumbed to open top tank, samples pulled for analysis
11/4/11 - Venting Sundry submitted to COGCC
11/5/11 - Flow back, Bradenhead pressure at 0 psi, bradenhead plumbed to open top tank
11/6/11 - Flow back, Bradenhead pressure at 0 psi, bradenhead plumbed to open top tank
11/7/11 - Flow back, Bradenhead pressure at 0 psi, bradenhead plumbed to open top tank

Our follow-up plans are to install pitot tube meter into the bradenhead to open the top tank vent line to monitor flows. In addition, we will continue to investigate the source of the pressure and we anticipate following up with a sundry outlining remedial actions as warranted.

Please let me know if you have further questions.

Regards,

Joan Proulx
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Occidental Oil and Gas Corporation
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