

## Bratcher, Mike, EMNRD

---

**From:** Cliff P. Brunson <cbrunson@bbcinternational.com>  
**Sent:** Monday, January 21, 2013 6:06 PM  
**To:** Bratcher, Mike, EMNRD  
**Cc:** C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** Oxy-Cedar Canyon 28 Federal #4-Remediation Plan  
**Attachments:** Remediation Packet- Cedar Canyon 28 Federal #4-2.pdf

Mike,

This e-mail is to confirm our discussion on January 14, 2013 concerning the remediation plan for the release that occurred at the Oxy Cedar Canyon 28 Federal #4. I have attached the site drawing and the summary of the laboratory data we reviewed during our discussion for your files. As agreed, Oxy will excavate 2 feet in the areas covered by SP1, SP2, and SP3 and will excavate 3 feet in depth in the area covered by SP4. As discussed, an initial response to the spill was done immediately after the spill occurred and 1 foot of the impacted soil has already been removed. The depth referred to earlier in this e-mail is the total depths that will be removed not additional to what has already been removed. The site will then be backfilled with clean soil. The depth to groundwater in this area is approximately 75 feet.

If you would please reply back via e-mail with your concurrence of this remediation plan, it would be greatly appreciated.

Oxy and I thank you for your assistance in handling this matter.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS  
President  
BBC International, Inc.  
World-Wide Environmental Specialists  
Mailing Address:  
P. O. Box 805  
Hobbs, NM 88241-0805 USA  
Shipping Address:  
1324 W. Marland St.  
Hobbs, NM 88240 USA  
Phone: (575) 397-6388  
Fax: (575) 397-0397  
E-Mail: [cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)

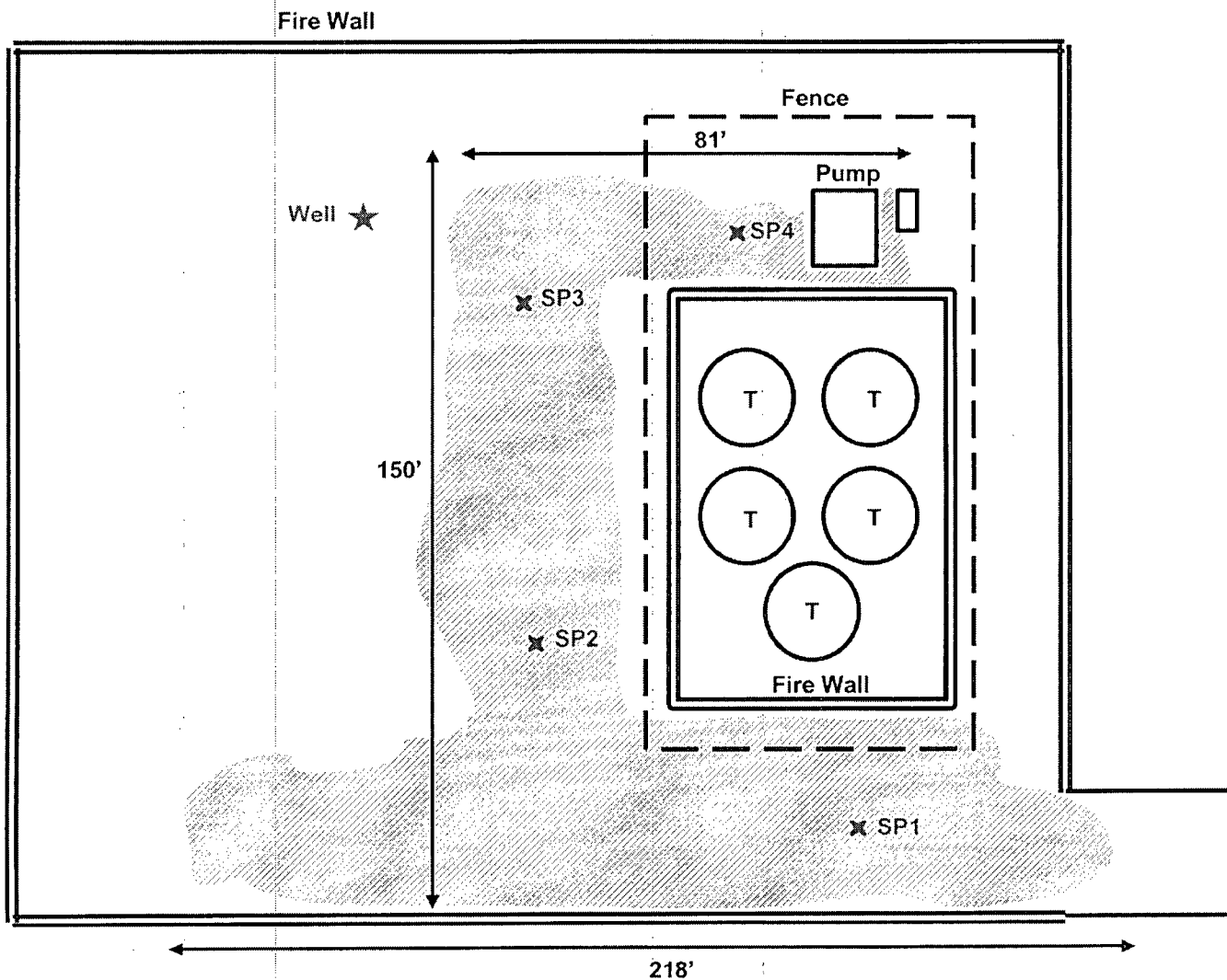
\*\*\*\*\*

Confidentiality Notice: This electronic transmission (and any attached documents) is intended only for the person(s) to whom it is addressed and may contain information that is privileged, confidential, or otherwise protected from disclosure. If you have received this transmission in error, please immediately notify the sender by e-mail or by telephone call to (575) 397-6388 for handling instructions. Any disclosure or distribution of the contents of this transmission by anyone other than the named recipient(s) is strictly prohibited.

\*\*\*\*\*



Oxy  
Cedar Canyon 28 Federal #4



U/L K, Section 28, T24S, R29E  
1980' FSL & 1980' FWL  
Eddy County, NM  
N 32.18629° W 103.99155°  
Lease # NM94651

BBC International, Inc.

Oxy

Cedar Canyon 28 Federal #4

Date: 08/17/12

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2012

**Laboratory Analytical Results Summary**  
**OXY, Cedar Canyon 28 Federal #4 CTB**

		Sample	SP1 @ 1'	SP1 @ 3'	SP1 @ 6'	SP1 @ 8'
Analyte	Method	Date	10/5/12	10/5/12	10/5/12	10/5/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		2320	592	480	32

		Sample	SP2 @ 1'	SP2 @ 3'	SP2 @ 6'	SP2 @ 8'
Analyte	Method	Date	10/5/12	10/5/12	10/5/12	10/5/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	N/A	N/A	N/A
Toluene	BTEX 8021B		<0.050	N/A	N/A	N/A
Ethylbenzene	BTEX 8021B		<0.050	N/A	N/A	N/A
Total Xylenes	BTEX 8021B		<0.150	N/A	N/A	N/A
Chloride	SM4500Cl-B		2520	608	448	16
GRO	TPH 8015M		<10.0	N/A	N/A	N/A
DRO	TPH 8015M		<10.0	N/A	N/A	N/A

		Sample	SP3 @ 1'	SP3 @ 3'	SP3 @ 6'	SP3 @ 8'	SP3 @ 10'
Analyte	Method	Date	10/5/12	10/5/12	10/5/12	10/5/12	10/5/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		4640	640	704	416	<16.0

		Sample	SP4 @ 1'	SP4 @ 3'	SP4 @ 6'	SP4 @ 8'	SP4 @ 10'
Analyte	Method	Date	10/5/12	10/5/12	10/5/12	10/5/12	10/5/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	N/A	N/A	N/A	N/A
Toluene	BTEX 8021B		<0.050	N/A	N/A	N/A	N/A
Ethylbenzene	BTEX 8021B		<0.050	N/A	N/A	N/A	N/A
Total Xylenes	BTEX 8021B		<0.150	N/A	N/A	N/A	N/A
Chloride	SM4500Cl-B		3600	2280	720	1010	32
GRO	TPH 8015M		<10.0	N/A	N/A	N/A	N/A
DRO	TPH 8015M		<10.0	N/A	N/A	N/A	N/A



# Groundwater Plot

## Oxy Cedar Canyon 28 Federal #4

County  
Eddy

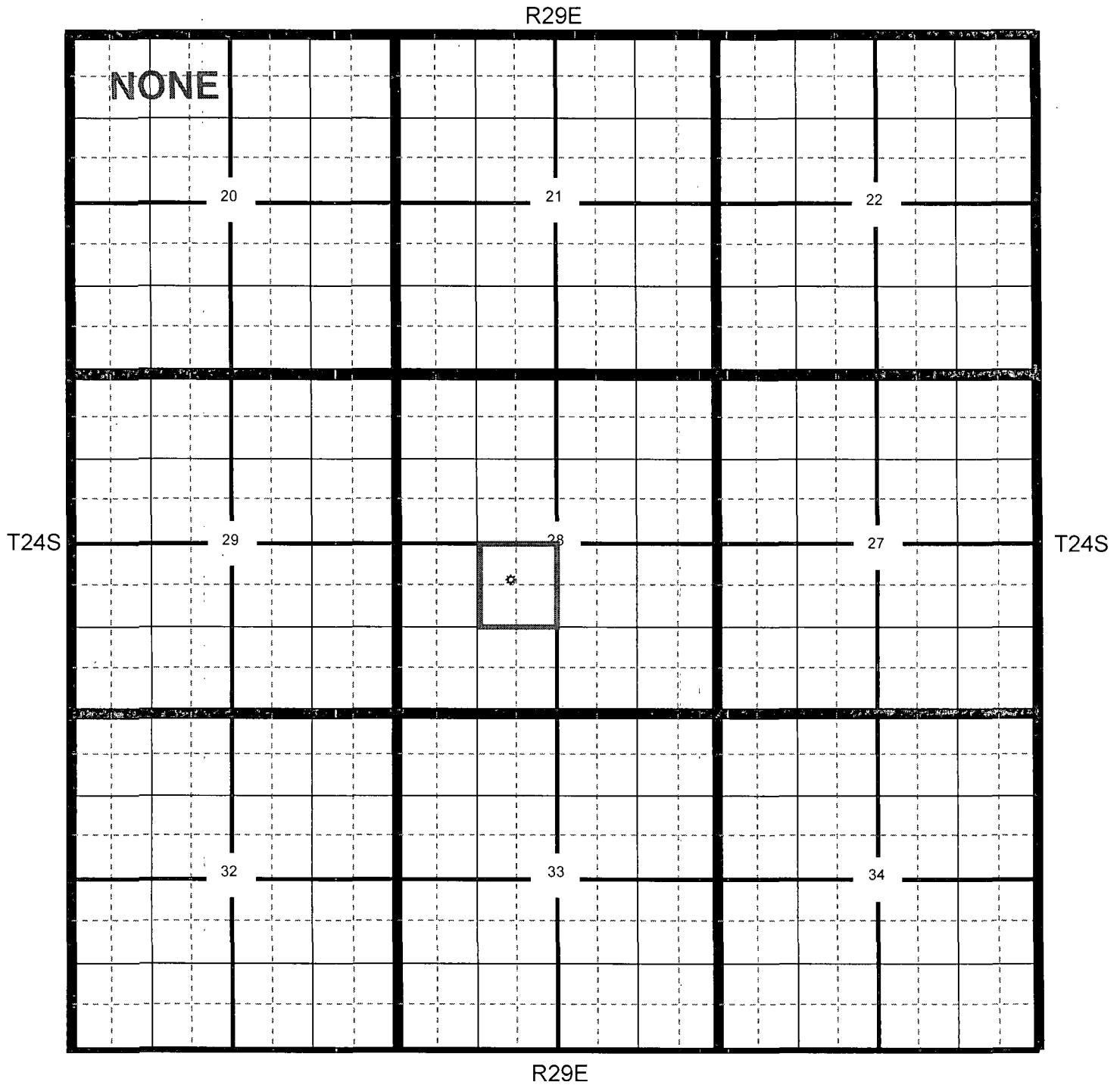
Unit Letter  
K

Section  
28

Township  
24S

Range  
29E

Trend Map 75'



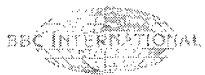
⊛ Location

● OCD

● USGS

● SEO

● All Databases



Section Quarters

Oxy Cedar Canyon 28 Federal #4

County  
Eddy

Unit Letter  
K

Section  
28


Township  
24S

Range  
29E

Trend Map 75'

1

2

NW/NW <b>NONE</b>	NE/NW	NW/NE	NE/NE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW 	NW/SE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

3

4

 Location

 OCD

 USGS

 SEO

 All Databases

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

### Release Notification and Corrective Action

#### OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Oxy Permian Ltd.	Contact	CJ Summers
Address	1017 W. Stanolind Rd, Hobbs, NM	Telephone No.	(575) 397-8216
Facility Name	Cedar Canyon 28 Federal #4	Facility Type	Gathering

Surface Owner	BLM	Mineral Owner		Lease No.	NM 94651
---------------	-----	---------------	--	-----------	----------

#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	28	24S	29E	1980'	South	1950'	West	Eddy

Latitude N 32.18629° Longitude W 103.99155°

#### NATURE OF RELEASE

Type of Release	Produced water	Volume of Release	80 bbls	Volume Recovered	0 bbls
Source of Release	Valve on suction line left open	Date and Hour of Occurrence	08/14/2012	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher- OCD; James Amos- BLM		
By Whom?	Chancey Summers	Date and Hour	08/14/2012 @ 12:58 pm		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

The valve on a 1" steel suction line between the triplex pump and tank was left open which caused 80 bbls of water to spill onto the ground. 0 bbls of water were recovered. The valve was closed to prevent further leaking.

Describe Area Affected and Cleanup Action Taken.\*

The area affected by the 80 bbls leak is approximately 40' x 100'. Remediation will be performed in accordance with an OCD and BLM approved remediation plan.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:

Printed Name: Chancey Summers

Title: HES Specialist

E-mail Address: Chancey.Summers@oxy.com

Date: 9/25/12 Phone: (575) 397-8216

#### OIL CONSERVATION DIVISION

Approved by District Supervisor:

Approval Date:

Expiration Date:

Conditions of Approval:

Attached ☐

\* Attach Additional Sheets If Necessary