

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    x    Final Report

Name of Company: Oxy USA	Contact: Tony Summers	
Address: 1017 West Stanolind Road, Hobbs, N.M. 88240	Telephone No: 505.397.8236 or Cell 505.390.9228	
Facility Name: East Eumont Unit	Facility Type: Production	
Surface- State of New Mexico	Mineral Owner	Lease No.

**LOCATION OF RELEASE**

Unit Letter J	Section 33	Township 18-S	Range 37-E	Feet from the 1980	North/South Line South	Feet from the 1980	East/West Line East	County Lea
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Latitude N 32° 42.018 Longitude W 103° 15.225

**NATURE OF RELEASE**

Type of Release Crude oil and produced water	Volume of Release: 4 bo x 80 bw	Volume Recovered: 3bo x 75bw
Source of Release - 4" steel line	Date and Hour of Occurrence 01/04/07 approx. 5 am	Date and Hour of Discovery 01/04/07 1pm
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Pat Caperton	
By Whom? Tony Summers	Date and Hour: 01/05/07	
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.\* At 1 pm 01/04/07 operator found hole in shared trunk line for East Eumont Unit well #5 (Sat 1). Lease operator shut in wells and immediately called vacuum truck and installed emergency repair clamp. Vacuum truck picked up approximately 3 barrels of produced oil and 75 barrels of produced water. 4" steel line was in process of being replaced and was disconnected and new one tied in next day.

Describe Area Affected and Cleanup Action Taken.\* Area around spill is grass pasture with somewhat rocky soil. The contaminated area is in a quarter moon shape, please see attached hand drawn map for area size. Affected area will be remediated to NMOCD guidelines for leaks and spills. Actual leak is located approx. 475 feet southeast of EEU Well #5 (above legals refer to this particular well) down pipeline right of way. Leak site was dug out of all soil visually contaminated week of 02/15/07 and hauled to JL land farm (10" to 12" deep). Due to wet weather, first sample was not taken until 04/03/07 (see Cardinal Lab results). Chris Williams suggested digging out more as results were still too high. Pulled additional 6" to 8" out of entire spill site and retested 06/20/07 (see Cardinal Lab results dated 06/21/07). Visited with Chris Williams 06/22/07, and he said sample results were OK, ready to backfill and closed off on spill site. Site was backfilled with like kind top soil week of 07/08/07 and complete (see pic dated 7/13/07).

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: <i>Tony Summers</i>		<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Tony Summers		Approved by District Supervisor: <i>Chris Williams</i>	
Title: HES Technician Seminole RMT		Approval Date: <i>7/20/07</i>	Expiration Date: <i>7/20/07</i>
E-mail Address: tony_summers@oxy.com		Conditions of Approval:	
Date: 07/16/07      Phone: (505) 397-8236		Attached <input type="checkbox"/>	

\* Attach Additional Sheets If Necessary

B86

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**OPERATOR**

☒ Initial Report

☒ Final Report *OK CW*

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Facility Name: East Eumont Unit	Facility Type: Production	
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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:		<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Tony Summers		Approved by District Supervisor: <i>Chris Williams</i>	
Title: HES Technician Seminole RMT		Approval Date: <i>6/22/07</i>	Expiration Date: <i>8/22/07</i>
E-mail Address: tony_summers@oxy.com		Conditions of Approval:	
Date: 01/12/07 Phone: (505) 397-8236		Attached <input type="checkbox"/>	

\* Attach Additional Sheets If Necessary



## **Occidental Permian Limited Partnership**

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January 12, 2007

New Mexico Oil Conservation Division  
District I  
1625 N. French Drive  
Hobbs, New Mexico 88240

Attn: Environmental Engineering

RE: Remediation Plan  
East Eumont Unit Well # 5, 4" steel trunk line  
UL 'J', Sec 33, T-18-S, R-37-E

Leak was found on 01/04/07 at approximately 1 p.m. Leak occurred approximately at 5 a.m. in 4" steel line (not buried). Line is closest to EEU well #5, but four other small producing wells also share line. Wells were shut in, valves closed, emergency repair clamp installed, and vacuum truck called to pick up all free fluids. Normal liquid rate for line is 140 barrels per day at average 60 pounds pressure. The area affected by the spill is a quarter moon shape, please see attached map for measurements. An estimated 4 BO and 80 BW were spilled and 3 BO and 75 BW were recovered. Oxy was in process of replacing this old line with new and actually had plans and did tie in new line next day. I called Pat Caperton's office and left message about leak on 01/05/07. Depth to ground water according to Pat Caperton with NMOCD is 50' giving this spill site a ranking of 10. Remediation of the spill site will be as follows:

1. Piping was replaced.
2. Affected area will be excavated and soil will be disposed of at J & L Landfarm.
3. Soil samples will be gathered from affected area.
4. NMOCD guidelines will be used to insure entire site is in compliance with guidelines.
5. Any soils removed will be replaced with clean fresh soils, where needed.
6. Soil analysis data will be submitted with final closure letter.

If you have any questions, or if I can be of further assistance, please contact me at 505.397.8326 or 505.390.9228.

Thank you,  
Tony Summers  
HES Technician/Seminole RMT  
tony\_summers@oxy.com

Attachments: Initial C-141  
Hand drawn map of spill site  
East Eumont Unit Water Analysis taken at East Eumont Central Battery  
Driving directions



# ARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

## ANALYTICAL RESULTS FOR OXY

ATTN: TONY SUMMERS  
1017 W. STANOLIND RD.  
HOBBS, NM 88240  
FAX TO: (505) 397-8205

Receiving Date: 04/02/07  
Reporting Date: 04/03/07  
Project Number: NOT GIVEN  
Project Name: EAST EUMONT UNIT #1  
Project Location: NOT GIVEN

Sampling Date: 04/02/07  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: BC  
Analyzed By: BC/HM

LAB NUMBER	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/Kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		04/02/07	04/02/07	04/03/07
<del>H12414-1</del>	<del>EEU 1A</del>	<del>&lt;10.0</del>	<del>1270</del>	<del>4528</del>
<del>H12414-2</del>	<del>EEU 1B</del>	<del>&lt;10.0</del>	<del>1220</del>	<del>1570</del>
H12414-3	EEU 2A	<10.0	1640	480
H12414-4	EEU 2B	<10.0	12800	288
Quality Control		770	794	490
True Value QC		800	800	500
% Recovery		96.3	99.2	98.0
Relative Percent Difference		0.8	4.5	0.0

TPH ~ 100

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl: Std. Methods 4500-ClB

\*Analyses performed on 1:4 w:v aqueous extracts.

Chemist

Date

H12414A

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR  
OXY

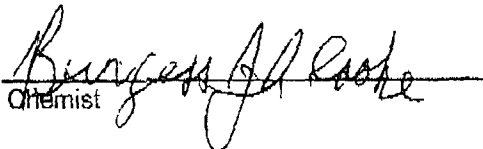
ATTN: TONY SUMMERS  
1017 W. STANOLIND RD.  
HOBBS, NM 88240  
FAX TO: (505) 397-8205

Receiving Date: 04/02/07  
Reporting Date: 04/04/07  
Project Number: NOT GIVEN  
Project Name: EAST EUMONT UNIT #1  
Project Location: NOT GIVEN

Sampling Date: 04/02/07  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: BC  
Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		04/03/07	04/03/07	04/03/07	04/03/07
<del>H12414-1</del>	<del>EEU 1A</del>	<del>&lt;0.005</del>	<del>&lt;0.005</del>	<del>&lt;0.005</del>	<del>&lt;0.015</del>
<del>H12414-2</del>	<del>EEU 1B</del>	<del>&lt;0.005</del>	<del>&lt;0.005</del>	<del>&lt;0.005</del>	<del>&lt;0.015</del>
H12414-3	EEU 2A	<0.005	<0.005	<0.005	<0.015
H12414-4	EEU 2B	<0.005	<0.005	<0.005	<0.015
Quality Control		0.098	0.102	0.096	0.278
True Value QC		0.100	0.100	0.100	0.300
% Recovery		97.6	102	95.7	92.7
Relative Percent Difference		7.1	4.4	1.5	1.3

METHOD: EPA SW-846 8260

  
Chemist

4/4/07  
Date

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ANALYTICAL RESULTS FOR  
OXY  
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HOBBS, NM 88240  
FAX TO: (505) 397-8205

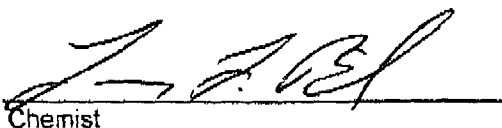
Receiving Date: 06/20/07  
Reporting Date: 06/21/07  
Project Number: NOT GIVEN  
Project Name: NOT GIVEN  
Project Location: EEU

Sampling Date: 06/20/07  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: BC  
Analyzed By: LB/AB

LAB NUMBER	SAMPLE ID	GRO	DRO	CI*
		(C <sub>6</sub> -C <sub>12</sub> ) (mg/Kg)	(>C <sub>12</sub> -C <sub>28</sub> ) (mg/Kg)	(mg/Kg)
ANALYSIS DATE		06/20/07	06/20/07	06/20/07
<del>H12777-1</del>	<del>1N</del>	<del>28.3</del>	<del>114.3</del>	<del>544</del>
<del>H12777-2</del>	<del>2N</del>	<del>25</del>	<del>84.6</del>	<del>170</del>
H12777-3	1S	<25	283	112
H12777-4	2S	<25	117	336
Quality Control		836	942	500
True Value QC		1000	1000	500
% Recovery		83.6	94.2	100
Relative Percent Difference		5.1	7.1	1.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI-B

\*Analysis performed on a 1:4 w:v aqueous extract

  
Chemist

6/21/07  
Date

H12777A OXY

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ANALYTICAL RESULTS FOR  
OXY

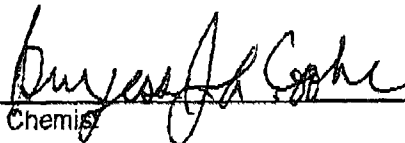
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Sample Condition: COOL & INTACT  
Sample Received By: BC  
Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		06/20/07	06/20/07	06/20/07	06/20/07
<del>H12777-1</del>	<del>1S</del>	<del>&lt;0.005</del>	<del>&lt;0.005</del>	<del>&lt;0.005</del>	<del>&lt;0.015</del>
<del>H12777-2</del>	<del>2S</del>	<del>&lt;0.005</del>	<del>&lt;0.005</del>	<del>&lt;0.005</del>	<del>&lt;0.015</del>
H12777-3	1S	<0.005	<0.005	<0.005	<0.015
H12777-4	2S	<0.005	<0.005	<0.005	<0.015
Quality Control		0.102	0.096	0.094	0.270
True Value QC		0.100	0.100	0.100	0.300
% Recovery		102	95.7	94.2	90.0
Relative Percent Difference		2.2	3.5	1.1	0.7

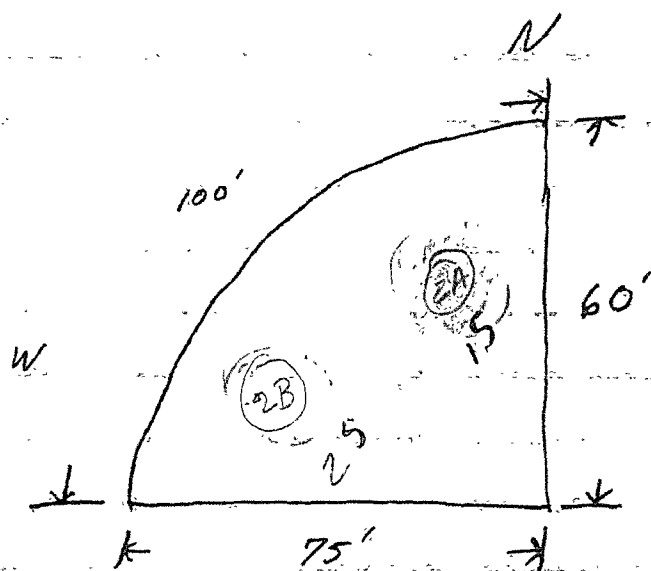
METHOD: EPA SW-846 8260

  
Chemist

6/21/07  
Date

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Test 2A+2B 4/02/07

Test 1S+2S 6/20/07

S

3 bbl oil 75 bbl wtr

EAST EUMONT UNIT SAT. 1

198' FSL + 1980' FEL

Sec. 33, T18S, R37E

(1-4-07)

# MITCHELL ANALYTICAL LABORATORY

2638 Faudree  
XOdessa, Texas 79765-8538  
561-5579

Company: **Nalco Energy Services**

Well Number: East Eumont Discharge  
Lease: OXY  
Location:  
Date Run: 5/30/2006  
Lab Ref #: 06-may-n29077

Sample Temp: 70  
Date Sampled: 5/30/2006  
Sampled by: David Morales  
Employee #: 27-019  
Analyzed by: DOM

## Dissolved Gases

		Mg/L	Eq. Wt.	MEq/L
Hydrogen Sulfide	(H <sub>2</sub> S)	53.00	16.00	3.31
Carbon Dioxide	(CO <sub>2</sub> )	<b>NOT ANALYZED</b>		
Dissolved Oxygen	(O <sub>2</sub> )	<b>NOT ANALYZED</b>		

## Cations

Calcium	(Ca++)	140.70	20.10	7.00
Magnesium	(Mg++)	336.72	12.20	27.60
Sodium	(Na+)	1,301.99	23.00	56.61
Barium	(Ba++)			
		<b>NOT ANALYZED</b>		
Manganese	(Mn+)	.09	27.50	.00

## Anions

Hydroxyl	(OH-)	.00	17.00	.00
Carbonate	(CO <sub>3</sub> =)	96.00	30.00	3.20
BiCarbonate	(HCO <sub>3</sub> -)	391.04	61.10	6.40
Sulfate	(SO <sub>4</sub> =)	405.00	48.80	8.30
Chloride	(Cl-)	2,602.86	35.50	73.32
Total Iron	(Fe)	0.14	18.60	.01
Total Dissolved Solids		5,327.54		
Total Hardness as CaCO <sub>3</sub>		1,732.30		
Conductivity MICROMHOS/CM		11,000		

pH 8.100 Specific Gravity 60/60 F. 1.004

CaSO<sub>4</sub> Solubility @ 80 F. 19.32 MEq/L, CaSO<sub>4</sub> scale is unlikely

## CaCO<sub>3</sub> Scale Index

70.0	.760	100.0	1.110	130.0	1.620
80.0	.890	110.0	1.350	140.0	1.620
90.0	1.110	120.0	1.350	150.0	1.850

*Nalco Energy Services*

After Digest

5/16/03





After Dig out

Rain  
water

5/16/07





7/13/07

