OXY Permian Gaines 22 Fed 1 CTB Closure Report

Section 22, T22S, R29E Eddy County, New Mexico 2RP-2722

July 24, 2015



Prepared for:

Oxy Permian P.O. Box 1988 Carlsbad, New Mexico 88221

By:

Safety & Environmental Solutions, Inc. 703 East Clinton Street Hobbs, New Mexico 88240 (575) 397-0510

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I. Company Contacts

Representative	Company	Telephone	E-mail
Chris Jones	Oxy Permian	575-625-4121	Christopher_Jones@oxy.com
Bob Allen	SESI	575-397-0510	ballen@sesi-nm.com

II. Background

Safety and Environmental Solutions, Inc. (SESI) was engaged by Oxy Permian Company to perform site assessment of a release area at the Gaines 22 Fed 1 CTB located in Section 22 of Township 24 South, Range 29 East, Eddy County, New Mexico.

According to the C-141, the cause of release was due to a downed well causing the circulating pump to run and generate fluids to the heater treater releasing the valve. There was a loss of 150 bbls of crude oil. The spill was predominantly contained inside the bermed area. There was a nominal amount of leaching to pasture area south of the pad area. A vacuum truck was utilized to recover approximately 60 bbls. A C-141 was submitted to the NMOCD on January 06, 2015 and assigned **2RP-2722**.

III. Surface and Ground Water

According to the Groundwater Trend Map for Eddy County Surface to Groundwater is approximately 100' bgs. Further research of the New Mexico Office of the State Engineer indicates that there is no record of ground water in the immediate vicinity. Average depth to groundwater for the area is 21' bgs.

IV. Work Performed

On January 09, 2014, Safety & Environmental Solutions, Inc. (SESI) were onsite to determine the vertical extent of contamination. Representative soil Samples TT-1 @ 3' bgs., TT-2 @ 2' bgs., and TT-3 @ 1.5' bgs. were retrieved. The samples were properly packaged, preserved and transported to Cardinal Laboratories, Hobbs New Mexico and analyzed for Chloride (Cl⁻) (Method SM4500Cl-B), Benzene, Toluene, Ethyl benzene, Total Xylenes, (BTEX)(EPA Method 8021B), and Total Petroleum Hydrocarbon (TPH) (Method 418.1).

The results of the analysis are presented in the table below:

Sample Date 12/18/2014	Sample ID	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX
Depth	Method					
TT-1 at 3'	BTEX 8021B	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300
TT-2 at 2'	BTEX 8021B	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300
TT-3 at 1.5"	BTEX 8021B	< 0.050	< 0.050	< 0.050	<0.150	< 0.300
TT-1 at 2'	BTEX 8021B	< 0.050	< 0.050	< 0.050	<0.150	< 0.300

Sample Date 05/03/2014	Sample ID	Chloride (Cl)	Sample ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)
Depth	Method		Method		
TT-1 at 3'	SM4500CI-B	3160	TPH 8015M	<10.0	<10.0
TT-2 at 2'	SM4500CI-B	176	TPH 8015M	<10.0	<10.0
TT-3 at 1.5"	SM4500CI-B	80	TPH 8015M	<10.0	<10.0

TT-1 at 2'	SM4500CI-B	4080	TPH 8015M	<10.0	20.2

On February 03, 2015 a work plan based on the above analytical data was submitted to the NMOCD for approval.

On March 26, 2015 SESI received approval to continue with said remediation plans to excavated contaminated area to a depth whereby CL⁻ constituents were <500 mg/kg. Furthermore, the excavated area was to be backfilled with soils native to the area and returned to grade.

On May 04, 2015 SESI was onsite during excavation activities for confirmation samples. The samples were properly packaged, preserved and transported to a commercial laboratory for analysis. The results are as follows:

Sample Date 05/11/2015	Sample ID	Total BTEX	Chloride	TPH
Depth	Method	BTEX	SM4500CI-B	8015M
		8021B		
SP-1 @ 2' bgs.	BTEX 8021B	< 0.300	<16.0	<10.0
SP-2 @ 2' bgs.	BTEX 8021B	< 0.300	<16.0	<10.0

V. Conclusion

Based on the above final analytical and the removal of all impacted soils to Lea Land, an NMOCD approved facility:

SESI, on behalf of OXY respectfully requests closure of the regulatory file for this incident.

VI. Figures & Appendices

Figure 1 – Vicinity Map

Figure 2 – Site Plan

Appendix A - Analytical Results

Appendix B—Site Photographs

Appendix C – C-141

Appendix D – Groundwater

Figure 1 Vicinity Map




Figure 2 Site Plan



Appendix A Analytical Results



January 14, 2015

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: GAINES 22 FED #1

Enclosed are the results of analyses for samples received by the laboratory on 01/09/15 15:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Celey D. Keine

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton

Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 01/09/2015 Sampling Date: 01/09/2015

Reported: 01/14/2015 Sampling Type: Soil

Project Name: GAINES 22 FED #1 Sampling Condition: Cool & Intact
Project Number: OXY-14-033 Sample Received By: Jodi Henson

Project Location: EDDY COUNTY, NM

Sample ID: TT-1 3' BGS (H500074-01)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/12/2015	ND	1.59	79.4	2.00	11.9	
Toluene*	<0.050	0.050	01/12/2015	ND	1.57	78.5	2.00	10.5	
Ethylbenzene*	<0.050	0.050	01/12/2015	ND	1.50	74.9	2.00	12.7	
Total Xylenes*	<0.150	0.150	01/12/2015	ND	4.50	74.9	6.00	13.4	
Total BTEX	<0.300	0.300	01/12/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.1	% 61-154	!						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3160	16.0	01/13/2015	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/12/2015	ND	191	95.7	200	0.00	
DRO >C10-C28	<10.0	10.0	01/12/2015	ND	194	97.2	200	0.00	
Surrogate: 1-Chlorooctane	87.7	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	88.1	% 52.1-17	6						

Cardinal Laboratories *=Accredited Analyte

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 whistoever 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Safety & Environmental Solutions Bob Allen

703 East Clinton Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 01/09/2015 Sampling Date: 01/09/2015

Reported: 01/14/2015 Sampling Type: Soil

EDDY COUNTY, NM

85.9 %

52.1-176

Project Name: GAINES 22 FED #1 Sampling Condition: Cool & Intact
Project Number: OXY-14-033 Sample Received By: Jodi Henson

Sample ID: TT-2 2' BGS (H500074-02)

Project Location:

Surrogate: 1-Chlorooctadecane

BTEX 8021B	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/12/2015	ND	1.59	79.4	2.00	11.9	
Toluene*	<0.050	0.050	01/12/2015	ND	1.57	78.5	2.00	10.5	
Ethylbenzene*	<0.050	0.050	01/12/2015	ND	1.50	74.9	2.00	12.7	
Total Xylenes*	<0.150	0.150	01/12/2015	ND	4.50	74.9	6.00	13.4	
Total BTEX	<0.300	0.300	01/12/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.3	% 61-154							
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	01/13/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
000 00 010	<10.0	10.0	01/12/2015	ND	191	95.7	200	0.00	
GRO C6-C10									

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Safety & Environmental Solutions Bob Allen

703 East Clinton Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 01/09/2015 Sampling Date: 01/09/2015

Reported: 01/14/2015 Sampling Type: Soil

Project Name: GAINES 22 FED #1 Sampling Condition: Cool & Intact Sample Received By: Project Number: OXY-14-033 Jodi Henson

Project Location: EDDY COUNTY, NM

Sample ID: TT-3 1.5' BGS (H500074-03)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/12/2015	ND	1.59	79.4	2.00	11.9	
Toluene*	<0.050	0.050	01/12/2015	ND	1.57	78.5	2.00	10.5	
Ethylbenzene*	<0.050	0.050	01/12/2015	ND	1.50	74.9	2.00	12.7	
Total Xylenes*	<0.150	0.150	01/12/2015	ND	4.50	74.9	6.00	13.4	
Total BTEX	<0.300	0.300	01/12/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.0	% 61-154	!						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/13/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/12/2015	ND	191	95.7	200	0.00	
DRO >C10-C28	<10.0	10.0	01/12/2015	ND	194	97.2	200	0.00	
Surrogate: 1-Chlorooctane	86.5	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	924	% 52 1-17	6						

Surrogate: 1-Chlorooctadecane 92.4 % 52.1-176

Cardinal Laboratories *=Accredited Analyte

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Safety & Environmental Solutions Bob Allen 703 East Clinton

Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 01/09/2015 Sampling Date: 01/09/2015

Reported: 01/14/2015 Sampling Type: Soil

EDDY COUNTY, NM

Project Name: GAINES 22 FED #1 Sampling Condition: Cool & Intact
Project Number: OXY-14-033 Sample Received By: Jodi Henson

Sample ID: TT-1 2' BGS (H500074-04)

Project Location:

Surrogate: 1-Chlorooctadecane

BTEX 8021B	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	01/12/2015	ND	1.59	79.4	2.00	11.9	
Toluene*	<0.050	0.050	01/12/2015	ND	1.57	78.5	2.00	10.5	
Ethylbenzene*	<0.050	0.050	01/12/2015	ND	1.50	74.9	2.00	12.7	
Total Xylenes*	<0.150	0.150	01/12/2015	ND	4.50	74.9	6.00	13.4	
Total BTEX	<0.300	0.300	01/12/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.8 %	61-154	!						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	4080	16.0	01/13/2015	ND	416	104	400	0.00	
TPH 8015M	mg/l	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	<10.0	10.0	01/12/2015	ND	191	95.7	200	0.00	
DRO >C10-C28	20.2	10.0	01/12/2015	ND	194	97.2	200	0.00	

95.9 %

52.1-176

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene



May 21, 2015

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: GAINES 22 DELAWARE

Enclosed are the results of analyses for samples received by the laboratory on 05/18/15 12:53.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen

703 East Clinton Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 05/18/2015 Sampling Date: 05/11/2015

Reported: 05/21/2015 Sampling Type: Soil

Project Name: GAINES 22 DELAWARE Sampling Condition: ** (See Notes)
Project Number: OXY -14-033 Sample Received By: Jodi Henson

Project Location: EDDY CO.

Sample ID: SP - 1 2 FT BGS (H501259-01)

BTEX 8021B	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/20/2015	ND	1.77	88.3	2.00	0.512	
Toluene*	< 0.050	0.050	05/20/2015	ND	1.89	94.5	2.00	0.771	
Ethylbenzene*	<0.050	0.050	05/20/2015	ND	1.79	89.7	2.00	1.34	
Total Xylenes*	<0.150	0.150	05/20/2015	ND	5.33	88.8	6.00	0.885	
Total BTEX	<0.300	0.300	05/20/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 %	61-154							
Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/18/2015	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/18/2015	ND	173	86.6	200	1.90	
DRO >C10-C28	<10.0	10.0	05/18/2015	ND	198	99.0	200	1.16	
Surrogate: 1-Chlorooctane	85.6	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	97.3	% 52.1-17	6						

Cardinal Laboratories *=Accredited Analyte

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Safety & Environmental Solutions

Bob Allen

703 East Clinton Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 05/18/2015 Sampling Date: 05/11/2015

Reported: 05/21/2015 Sampling Type: Soil

Project Name: GAINES 22 DELAWARE Sampling Condition: ** (See Notes)
Project Number: OXY -14-033 Sample Received By: Jodi Henson

Project Location: EDDY CO.

Sample ID: SP - 2 2 FT BGS (H501259-02)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/20/2015	ND	1.77	88.3	2.00	0.512	
Toluene*	< 0.050	0.050	05/20/2015	ND	1.89	94.5	2.00	0.771	
Ethylbenzene*	< 0.050	0.050	05/20/2015	ND	1.79	89.7	2.00	1.34	
Total Xylenes*	<0.150	0.150	05/20/2015	ND	5.33	88.8	6.00	0.885	
Total BTEX	<0.300	0.300	05/20/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 %	61-154							
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/18/2015	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/18/2015	ND	173	86.6	200	1.90	
DRO >C10-C28	<10.0	10.0	05/18/2015	ND	198	99.0	200	1.16	
Surrogate: 1-Chlorooctane	92.0 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	109 9	52.1-17	6						

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

		- Allen	
	1	ARD	
1000	01 East M	INAL L	

1arland, Hobbs, NM 88240 3-2326 Fax (505) 393-2476 ABORATORIES

TOT EAST MARIAND, FOODS; WAR DOLLE		Pageof
(505) 393-2326 FAX (505) 393-2410		ANALYSIS REQUEST
Project Manager: Rob Allen	P.O. #:	
	Company: Same	
City: Hobbs State; NM Zip: 88240	Affr:	
le #:	Address	
Project #: OXY -14-033 Project Owner: OXY	City:	
GAINES 22	State: Zip:	
Dy Co.	Phone #:	2/5
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	PRESERV. SAMPLING	-
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Sapphler Reliniquished: Sapphler Reliniquished: Date Received By:	Well By: Fax Résult:	Result: G Yes D No Add'l Phone #:
Time:	REMARKS:	vez 22:1
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: (Circle One)	CHECKED BY:	Project - 1128281
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

HSOCOTA Sample I.D. Sample I.D. (G)RAB OR (C)OME CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	waterix	101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476
OTHER: ACID/BASE: ICE / COOL OTHER: OTHER: ACID/BASE: ITHER: ACID/BASE: ITHER: ACID/BASE: ACID/BASE: ITHER: ACID/BASE:		ANALYSIS REQUEST

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 30 days after completion of the applicable sance. In no event shall Cardinal be liable for incidental or consequential damages, including without similation, business interruptions, loss of use, or loss of profits incurred by client. Its subsidiaries, service. In no event shall Cardinal be liable for incidental or consequential damages, including without similation, business interruptions, loss of use, or loss of profits incurred by client. Its subsidiaries. Relinquished By: Sampler Relinquished: Sampler - UPS - Bus - Other: Delivered By: (Circle One) its arising out of or related to the performance sandes heseunger by Gardinal, esgardilésis of whether such claim is be Daile on 15 Reculived By: 1500 Time: Date: is Received By: Temp. Cool Intact
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No No No Sample Condition CHECKED Phone Result: 19 Yes 11 No 18 Fax Result: 11 Yes 11 No 18 Fax Result: 11 Yes 11 No 18 REMARKS: 55-00 Copy Add'l Phone #: Add'l Fax #: Jose & Styl- War. Resm

PLEASE NOTE: Libbilly and Dainages. Centained's libbilly and effects exclusive remedy for any claim entaing whether based in contract or lost, shall be finited to the amount paid by the citical for the

Terms and Conditions; Interest will be changed on all ecounts more than 30 days past due at the rate of 24% per annum from the original date of involce, and all costs of collections, including attorney's fees.

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of

Appendix B Site Photographs



Test Trench



Excavation facing North 1.5' bgs.



Excavation 1.5' bgs facing South



Test Trench Backfilled



Excavation 2.5' bgs. facing southeast



Excavation at completion

Appendix C C-141

LKKKBJA

<u>District (</u> 1825 N. Tomoh Dr., Holds, NM 88240 State of New Mexico Form C 141 "JidrkU) RU & FiscM , Artesia, NM 48210 Energy Minerals and Natural Resources Submit I Copy prapprage District Office in accordance with 19.15.29 NMAC. District HI Oil Conservation Division DEO RIO Hrozok Rond, Azled, NM SALD 122II South St. Francis Dr. District IV 1220 S. St. Francis D., Sacto Fe, NM 87505 Santa Fe. NM 87505 Release Notification and Corrective Action NAB1501 242084 OPERATOR Initial Report ☐ Final Report 11010960 Name of Company: OXY Permian Contact Christopher fones Address: 1502 W Commerce Dr. Telephone No. 575-499-3337 Pacility Type: Battery Pacility Name: Gaines 22 Fed 1 CTB 20-015-3516G Mineral Owner: BLM Surface Owner: BLM LOCATION OF RELEASE Unit Later Section Feet from the Troynship Konge Norshitson of the Sauth 590 Fast/West Line Caunty 22 29F 1.820 West Eddy Latitude 32.197975 Longitude 103.97766922 NATURE OF RELEASE Volume Recovered: 600BLS Type of Release: Oil Vulnme of Release: 190BHI S. Data and Hour of Discovery 12/18/2014 7:38A M Date and Hoor of Decurrence: Searce of Release: Hoster 12/18/2014 7:00 Was Immediate Notice Civen? HYRS, To Whom? Yes □ No □ Not Required. Terry Bracher Date and Honj 12/18/2014 8:30AM By Whong/Jeage Callagus Wils r Watercourse Reached? If YES, Volume Impacting the Watercourse. J Yes ⊠ No If a Wareregarse was Impacred, Describe Pulle,* NM OIL CONSERVATION ARTES!A DISTRICT JAN 0.8 2015 Describe Cause of Problem and Remodial Action Taken.* RECEIVED Well is down and erroughing pump was running dataing fluid to gu to heafer treater so valve telieved. Describe Area Affected and Cleanup Action Tuken.* Salisty & Environmental Solutions, Inc. will delineute the spiil area and submit an appropriate work 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 tile certain release notifications and perform corrective actions for releases which may contarget public localith on the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" dises maineliese the operation of historical should their operations note failed to ader pately investigate and carried also containing that pesses threat to green distinct, and so vesse, human has the in the environment. In addition, N MECO intercontact of a C-141 report does not relieve the operator of responsibility for compliance with any other soderal, state, or local laws and/or regularions. OIL CONSERVATION DIVISION Big Mily squad by Classic Les (Bigg and house status) and mylynas Balk galactican chills Bala 2014 (559) (539) 99-9780 Chris Jones Approved by Environmental Specialist: Printed Name Chastopher Jones: Approval Date: 1/12 l itle: Expiration Date:

Conditions of Approval

11

E-mail Address Christopher_jones@yxy.com

Attach Additional Sheets If Necessary

Hippoid 575-498-3387

Date: 12/19/2014

District 1 1625 N. French Dr., Hobbs, NM 88240 District II
811 S. First St., 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**

Form C-141 Revised August 8, 2011 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

OPERATOR	Release Notification and Corrective Action													
Name of Company OXY Permain							OPERATOR Initial Report Fina						Final Report	
Facility Name: Gaines 22 Fed CTB	Name of Company OXY Permain													
Surface Owner State														
Unit Letter Section Township Range Feet from the North/South Line Section Township Range Section Township Range Feet from the South South South South South South East/West Line County Eddy Latitude 32.1979866 Longitude -103.9777069 NATURE OF RELEASE NATURE OF RELEASE South	Facility Nar	ne: Gaines	22 Fed 1 C	ТВ			Facility Typ	e						
Unit Letter Section Township Range Feet from the North/South Line Sect from the South	Surface Ow	ner State	-		Mineral C)wner		-		API No	30-015-34	5186		
Latitude 32.1979866 Longitude -103.9777069 East/West Line County Eddy										111111	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	7100		
Latitude 32.1979866 Longitude -103,9777069 NATURE OF RELEASE Type of Release: Crude Oil Volume Of Release: 150 BBLS Source of Release: Heater Volume of Release: 150 BBLS Source of Release: Heater Date and Hour of Occurrence 12/18/2014 7:30 AM Was Immediate Notice Given? Was Immediate Notice Given? Was a Watercourse Reached? Yes No Not Required Terry Bracher Date and Hour: 12/18/2014 8:36 AM If YES, To Whom? If YES, Volume Impacting the Watercourse. Was a Watercourse was Impacted, Describe Fully. Describe Cause of Problem and Remedial Action Taken. Well was down and the circulating pump was running, causing fluid to flow to the heater treater so the valve released. This resulted in a loss and spill of approximately 150 BBLS of Crude. A vacuum truck was utilized to recover approximately 60 BBLS of fluid. SESI was retained to remediate the site. Describe Area Affected and Cleanup Action Taken. The impacted soils were removed to an NMOCD approved facility and the site remediated in accordance with the approved remediation plan. SESI on behalf of OXY respectfully requests closure of this incident. Thereby 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 release which may endanger public health or the environment. In addition, MMOCD aceptage of a C-141 report does not relieve the operator of liability should their operations have faigled to adaptive the wester of liability should their operations have faigled to adaptive the wester of liability should their operations have faigled to adaptive the wester of liability should their operations have faigled to adaptive the perform of responsibility for compliance with any other federal, state, or board and supplied to the environment. The acceptance of a C-141 report does not relieve the operator of liability should their operations have fai														
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NATURE OF RELEASE							West		West		Eddv			
Type of Release: Crude Oil Source of Release: Heater Date and Hour of Occurrence Date and Hour of Discovery	Latitude 32.1979866 Longitude -103.9777069													
Volume of Release: Grade Oil Volume of Release 150 BBLS Volume Recovered 60 BBLS														
Date and Hour of Occurrence Date and Hour of Discovery 12/18/2014 7:30 AM	Type of Release: Crude Oil Volume of Release 150 RRIS Volume Recovered 60 RRIS													
Was Immediate Notice Given? Yes No Not Required If YES, To Whom? Terry Bratcher	Source of Re	ease: Heate	2r											
By Whom? Jorge Calleros	317 . 7 . 12	. 31	31 0										<u>.</u>	
By Whom? Jorge Calleros Was a Watercourse Reached? Yes No If YES, Volume Impacting the Watercourse. Describe Cause of Problem and Remedial Action Taken. Well was down and the circulating pump was running, causing fluid to flow to the heater treater so the valve released. This resulted in a loss and spill of approximately 150 BBLS of Crude. A vacuum truck was utilized to recover approximately 60 BBLS of fluid. SESI was retained to remediate the site. Describe Area Affected and Cleanup Action Taken. The impacted soils were removed to an NMOCD approved facility and the site remediated in accordance with the approved remediation plan. SESI on behalf of OXY respectfully requests closure of this incident. 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. OIL CONSERVATION DIVISION Signature: Printed Name: C.J. Summers Title: Approved by Environmental Specialist: Expiration Date: E-mail Address:	was immedia	ile Notice (Yes [No □ Not Re	equired								
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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. OIL CONSERVATION DIVISION Signature: Printed Name: C.J. Summers Approved by Environmental Specialist: Title: Approval Date: Expiration Date:	should their o	perations h	ave failed to a	idequately	investigate and n	emediati	e contaminati	ankeu as rinarki on that nose a the	eport de ∘atto-oro	oes not ren ound water	ieve ine opei r surface wa	rator ot iter kui	Hability	
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Printed Name: C.J. Summers Approved by Environmental Specialist: Title: Approval Date: Expiration Date: E-mail Address: Conditions of Approval:)				OIL CONSERVATION DIVISION							
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Date: 7/24/2015 Phone:														

Appendix D Groundwater Research



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned,

C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Sub-POD Number

Q Q Q Code basin County 64 16 4 Sec Tws Rng CUB ED 2 4 4 14 22S 29E

3584857

Depth Depth Water Well Water Column

677583

Average Depth to Water: 57 feet Minimum Depth: 57 feet

> Maximum Depth: 57 feet

Record Count: 1

C 03587 POD4

PLSS Search:

Section(s): 14, 15, 16, 21, Township: 22S

23, 26, 27, 28

Range: 29E

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.