## OXY USA, Inc. Conoco State 10 A1 Y Delineation Report and Work Plan

### Section 10, T19S, R29E Eddy County, New Mexico

February 18, 2015



Prepared for:

OXY USA, Inc. 1017 W Stanolind Road Hobbs, New Mexico 88240

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
Christopher Jones	OXY USA, INC.	575-499-3337	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 USA, INC to perform site assessment of a release area at the Conoco State 10 A 1Y Battery located in Section 10 of Township 19 South, Range 29 East, Eddy County, New Mexico.

According to the C-141 the cause of release was 3in steel high pressure vent line – high gas line pressure.

#### III. Surface and Ground Water

The nearest groundwater of record is approximately 3.0 miles West of the site. The New Mexico Office of State Engineer record is in Section 7 Range 29 East and Township 19 South. The reported depth was 150 feet below ground surface (BGS).

#### IV. Characterization

The target cleanup levels are determined using the *Guidelines for Remediation of Leaks, Spills and Releases* published by the NMOCD (August 13, 1993). Based on the ranking criteria presented below, the applicable Recommended Remediation Action Levels (RRAL) are 10 parts per million (ppm) Benzene, 50 ppm combined benzene, toluene, ethylbenzene, and total xylenes (BTEX), and 5,000 ppm Total Petroleum Hydrocarbons (TPH).

Depth to Ground Water:						
(Vertical distance from contaminants to	Less than 50 feet	20 points				
seasonal high water elevation of	50 feet to 99 feet	10 points				
groundwater)	>100 feet	0 points	Χ			
Wellhead Protection Area:						
(Less than 200 feet from a private domestic	Yes	20 points				
water source; or less than 1000 feet from all	No	0 points	X			
other water sources)						
Distance to Surface Water:						
(Horizontal distance to perennial lakes,	Less than 200 feet	20 points				
ponds, rivers, streams, creeks, irrigation	200 feet to 1000 feet	10 points				
canals and ditches)	>1000 feet	0 points	X			
RANKING SCORE (TOTAL POINTS)			0			

#### V. Work Performed

On February 5, 2015, SESI was onsite to determine vertical extent of contamination. Samples BH-1 was taken at a depth of 8' ft., 9' ft. and 10' ft. Sample BH-2 was taken at 4' ft. All samples were properly packaged, preserved and transported to the Laboratory, Hobbs New Mexico and analyzed for Benzene, Toluene, Ethylbenzene, Xylenes, Total BTEX and Chloride (Cl<sup>-</sup>) (Method SM4500Cl-B). The results of the analysis are presented in the table below:

Sample Date 2/13/2014	Sample ID	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX
Depth	Method					
BH-1 at 8'	BTEX 8021B	<0.050	<0.050	<0.056	<0.150	<0.300
BH-1 at 9'	BTEX 8021B	<0.050	<0.050	<0.050	<0.150	<0.300
BH-1 at 10'	BTEX 8021B	<0.050	<0.050	<0.050	<0.150	<0.300
BH-2 at 4'	BTEX 8021B	<0.050	<0.050	<0.050	<0.150	<0.300

Sample Date 05/03/2014	Sample ID	Chloride (Cl)	Sample ID	GRO (C₀-C₁₀) (mg/kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)
Depth	Method		Method		
BH-1 at 8'	SM4500CI-B	528	TPH 8015M	<10.0	<10.0
BH-1 at 9'	SM4500CI-B	288	TPH 8015M	<10.0	<10.0
BH-1 at 10'	SM4500CI-B	256	TPH 8015M	<10.0	<10.0
BH-2 at 4'	SM4500CI-B	80	TPH 8015M	<10.0	<10.0

Field sampling at the depth of 7' in BH -1 indicates that the TPH is approximately 7,000 ppm but was not detected at the 8' depth.

#### VI. Action Plan

Due to the results listed above and the TPH target level of 5,000 ppm, the following action plan is proposed:

- 1. Excavate and remove all chloride and TPH contaminated soil over 1000 ppm and 5,000 ppm respectively. All contaminated soils will be transported to an approved NMOCD facility for disposal.
- 2. The excavated area will be backfilled with native soil and returned to natural grade.
- 3. No further action is necessary.

### VII. Figures & Appendices

Figure 1 – Vicinity Map Figure 2 – Site Plan Appendix A – Analytical Results Appendix B – C-141 Figure 1 Vicinity Map

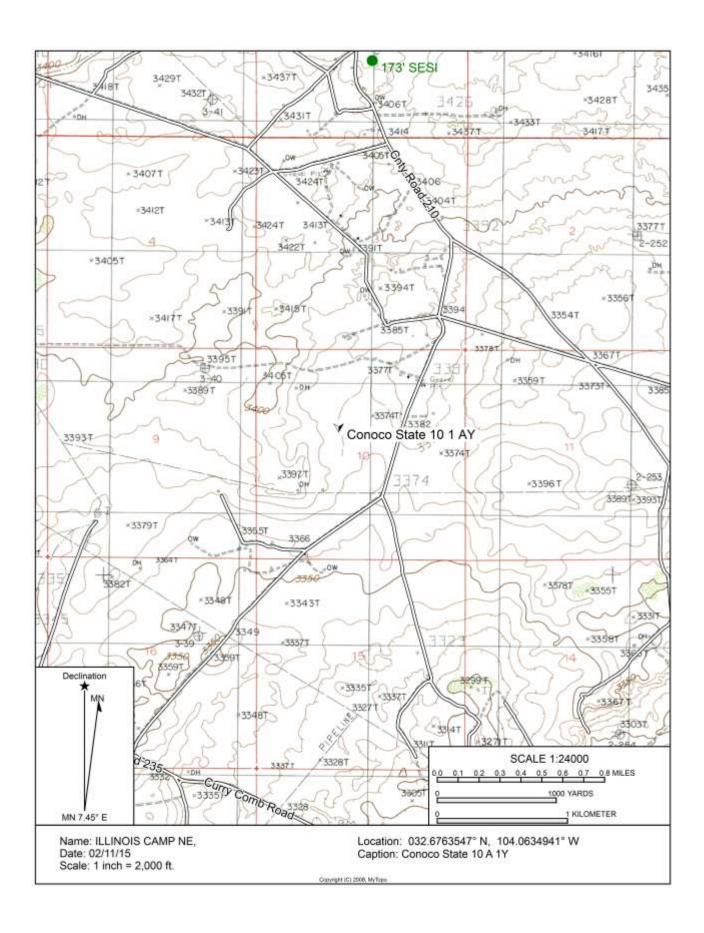


Figure 2 Site Plan



**Conoco State 10 1 AY** 

# Appendix A Analytical Results

Laboratories PHONE (575) 393-2326 \* 101 E. MARLAND \* HOBBS, NM 88240 February 10, 2015 Bob Allen Safety & Environmental Solutions 703 East Clinton Hobbs, NM 88240 RE: CONOCO STATE AIY Enclosed are the results of analyses for samples received by the laboratory on 02/06/15 8:00. 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) 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. Kune Celey D. Keene Lab Director/Quality Manager Page 1 of 7

				(2) 2) 3	93-2326 - 101 1	E. MARLAND * HOE		NP 42
	Analy	tical Resul	ts For:					
	Bob 703 Hol	ety & Environm Allen Beast Clinton bbs NM, 88240 To: (575)						
02/10/20 CONOCO	STATE AIY		San San	npling Ty npling Co	pe: ndition:	Soil Cool & I	Intact	
345-01) mg/		Analyze	d By: ms					
Result	1.		Method Blank	BS	% Recovery	True Value OC	RPD	Qualifier
<0.050	0.050	02/09/2015	ND	1.72	85.8	2.00	7.05	<del></del> (PD167)
<0.050	0.050	02/09/2015	ND	1.67	83.4	2.00	7.12	
< 0.050	0.050	02/09/2015	ND	1.58	79.2	2.00	8.12	
	0.150		ND	4.70	78.3	6.00	9.45	
<0.300	0.300	02/09/2015	ND					
			d By: AP					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value OC	RPD	Qualifier
528	16.0	02/06/2015	ND	416	104	400	0.00	
mg/			d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	02/09/2015	ND	191	95.7	200	1.47	
<10.0	10.0	02/09/2015	ND	188	94.1	200	1.69	
99.1	% 47.2-15	7						
87.5	96 <i>52.1-17</i>	6						
	02/10/20 CONOCO OX(Y-15-1 EDDY 345-01) mg/ Result <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 0	02/06/2015 02/10/2015 CONOCO STATE AIY OXY-15-004 EDDY 345-01) mg/kg Result Reporting Limit <0.050 0.050 <0.050 0.050 0.050 0.050 0.050	02/06/2015           02/10/2015           CONOCO STATE AIY           OXY-15-004           EDDY           345-01)           mg/kg         Analyzed           <0.050	02/06/2015         San           02/10/2015         San           CONOCO STATE AIY         San           0XY-15-004         San           BEDDY         San           Analyzed By: ms           Method Blank           <0.050	02/06/2015 02/10/2015 CONOCO STATE AIY OXY-15-004         Sampling Ty Sampling Co Sampling Co	02/06/2015 02/10/2015 CONOCO STATE AIY OXY-15-004         Sampling Date: Sampling Condition: Sample Received By: EDDY           Sampling Condition: Sample Received By: EDDY           ataiyzed By: ms           Result Reporting Limit Analyzed Method Blank BS % Recovery <0.050         0.050         02/09/2015         ND         1.72         85.8           <0.050	02/06/2015 02/10/2015 CONOCO STATE AIY OXY-15-004         Sampling Date: Sampling Condition: Sample Received By: Sample Received By: Sample Received By: Jodi He EDDY         O2/05/2 Soil Cool 8.1 Jodi He           Sampling Condition: Sample Received By: Sample Received By: Sample Received By: Jodi He           Sampling Condition: Sample Received By: Sample Received By: Sample Received By: Jodi He           Sampling Limit Analyzed By: ms           Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC           <0.050	02/06/2015 02/10/2015 CONOCO STATE AIY OXY-15-004         Sampling Date: Sampling Condition: Sampling Condition: Sample Received By:         02/05/2015 Soil Cool & Intact Jodi Henson           345-01) mg/kg         Analyzed By: ms           Network By: ms           Result Reporting Limit Analyzed Method Blank B5 % Recovery True Value QC RPD <0.050

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		Analy	tical Resul	ts For:					
		Bob 703	Allen East Clinton bs NM, 88240	ental Solutions 393-4388					
Received: Reported: Project Name: Project Number: Project Location:	02/06/20 02/10/20 CONOCO OXY-15-0 EDDY	STATE AIY		San San	npling Da npling Ty npling Co nple Reci	pe:	02/05/3 Soil Cool & Jodi He	Intact	
Sample ID: BH-1 9' BGS (H5 NTEX 80218	00345-02) mg/		Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
lenzene*	<0.050	0.050	02/09/2015	ND	1.72	85.8	2.00	7.05	1.000
'oluene*	<0.050	0.050	02/09/2015	ND	1.67	83.4	2.00	7.12	
thylbenzene*	<0.050	0.050	02/09/2015	ND	1.58	79.2	2.00	8.12	
fotal Xylenes*	<0.150	0.150	02/09/2015	ND	4.70	78.3	6.00	9.45	
fotal BTEX	<0.300	0.300	02/09/2015	ND					
Surrogate: 4-Bromofluorobenzene (P									
Chloride, SM4500CI-B	mg/	A STRANGA DRIVE DIS	Analyze	TT IS A MANNAGE OF T		% Recovery	To a link of CC	RPD	O. Mar
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS		True Value QC		Qualifier
Chloride IPH 8015M	288 mg/	16.0	02/06/2015	ND d By: MS	416	104	400	0.00	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
SRO C6-C10	<10.0	10.0	02/09/2015	ND	191	95.7	200	1.47	Quanto
0R0 >C10-C28	<10.0	10.0	02/09/2015	ND	188	94.1	200	1.69	
Surrogate: 1-Chlorooctane	96.3	% 47.2-157	7						
Surrogate: 1-Chlorooctadecane	86.6	% 52.1-170	\$						
Cardinal Laboratories		withing and received by Car of profile incomed by class,	that white they (12) to actually in the	days after completion of a or anomalous affeig of	The applicable of all or read	ands. It is need	clean for analyses. All cl a shall Cardinal be below	nin, inising to for initiality of	consequential status
cisis is load upon any of the above stated resource or other	dan dinasta minin ant	to the samples shouthed above.	This report shall not be repr	niani sinji li fal alb est	ter, sporwal at s	actival (abundarites			

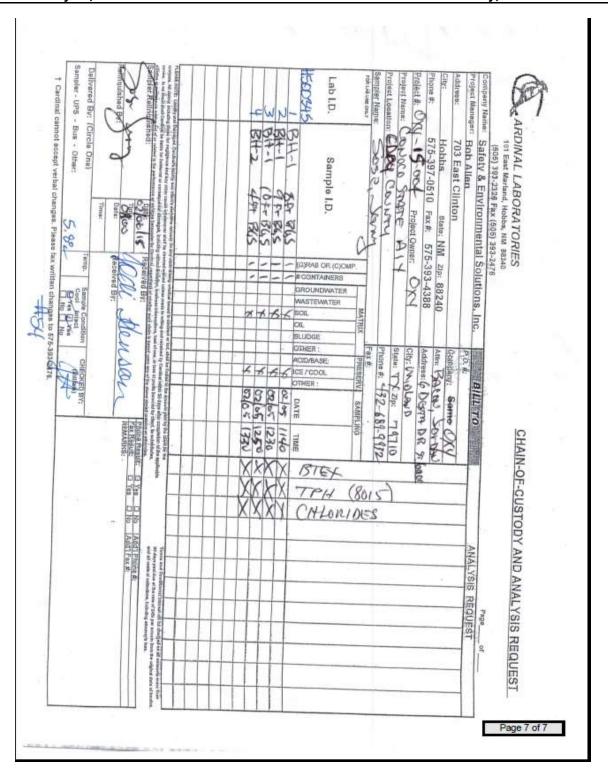
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Project Number:         DXY-15-004 EDDY         Sample Received By:         Jodi Henson           Sample ID: BH-1 10' BGS (H500345-03) BTEX 80218         mg/kg         Analyzed By: ms         Mathing Bank         BS         % Recovery         True Value QC         RE           Analyte         Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RE           Derizence*         <0.050         0.050         02/09/2015         ND         1.67         83.4         2.00         7.           Toluene*         <0.050         0.050         02/09/2015         ND         1.67         83.4         2.00         7.           Toluene*         <0.050         0.050         02/09/2015         ND         1.67         83.4         2.00         7.           Toluene*         <0.050         0.050         02/09/2015         ND         1.58         79.2         2.00         8.           Total Xylenes*         <0.150         0.2/09/2015         ND         4.70         78.3         6.00         9.           Surrogatic: 4-Broungfauorubenzene (PTE         104 %         61-154         61-154         61-154         61-154         61-154         7.         7.0	Sampling Date:         02/05/2015           Sampling Type:         Soil           Sampling Condition:         Cool & Intact           Sample Received By:         Jodi Henson           nk         BS         % Recovery         True Value QC         RPD         Qualifier           1.72         85.8         2.00         7.05         1.67         8.12           1.67         83.4         2.00         7.12         1.58         79.2         2.00         8.12           4.70         78.3         6.00         9.45         9.45         9.45         9.45           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier
Bob Ållen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388         Received:       02/06/2015 02/10/2015       Sampling Date:       02/05/2015 Sampling Type:       02/05/2015 Sampling Type:       02/05/2015 Sampling Type:       02/05/2015 Sampling Type:       02/05/2015 Sampling Type:       02/05/2015 Sampling Type:       02/05/2015 Sampling Condition:       02/05/2015 Sampling Condition:       02/05/2015 Sampling Type:       02/05/2015 Sampling Condition:       02/05/	Sampling Date:         02/05/2015           Sampling Type:         Soil           Sampling Condition:         Cool & Intact           Sample Received By:         Jodi Henson           nk         BS         % Recovery         True Value QC         RPD         Qualifier           1.72         85.8         2.00         7.05         1.67         8.12           1.67         83.4         2.00         7.12         1.58         79.2         2.00         8.12           4.70         78.3         6.00         9.45         9.45         9.45         9.45           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           191         95.7         200         1.47         1.47         1.47
Mabbs NM, 88240 Fax To: (575) 393-4388           Received:         02/06/2015 02/10/2015         Sampling Date:         02/05/2015 Sampling Type:         02/05/2015 Sampling Condition:         02/05/2015           Project Number:         OXY-15-004         Sampling Condition:         Cool & Intac         Sampling Condition:         Cool & Intac           Project Location:         EDDY         EDDY         Sample Received By:         Jodi Henson           Sample ID: BH-1 10' BGS (H5003455-03)         BTEX 80218         Method Blank         ES         % Recovery         Trac Value QC         Rd           Sample ID: BH-1 10' BGS (H5003455-03)         0.050         02/09/2015         ND         1.72         85.8         2.00         7.           Sample Received*         <0.050         0.050         02/09/2015         ND         1.67         83.4         2.00         7.           Fotuene*         <0.050         0.050         02/09/2015         ND         1.58         79.2         2.00         8.           Fotal Xylenes	Sampling Type: Soil Sampling Condition: Cool & Intact Sample Received By: Jodi Henson MK BS %6 Recovery True Value QC RPD Qualifier 1.72 85.8 2.00 7.05 1.67 83.4 2.00 7.12 1.58 79.2 2.00 8.12 4.70 78.3 6.00 9.45 MK BS %6 Recovery True Value QC RPD Qualifier 416 104 400 0.00 MK BS %6 Recovery True Value QC RPD Qualifier 191 95.7 200 1.47
Hobbs NM, 88240 Fax To: (575) 393-4388           Received:         02/05/2015 02/10/2015 Project Name:         Sampling Date:         02/05/2015 Sampling Type:         02/05/2015 Sampling Condition:         Soil           Project Name:         CONOCO STATE AIY Project Location:         Sampling Condition:         Cool & Intac Sample Received By:         Jodi Henson           Sample ID: BH-1 10' BGS (H500345-03)         mg/kg         Analyzed By: ms         Method Blank         BS         % Recovery         True Value QC         RI           Analyte         Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RI           Benzerve*           0.050         0.2/09/2015         ND         1.67         83.4         2.00         7.           Guence*           0.050         0.2/09/2015         ND         1.67         83.4         2.00         7.           Guence*           0.050         0.2/09/2015         ND         1.67         83.4         2.00         7.           Guence*             0.150         0.2/09/2015         ND         1.67         83.4         2.00         7.	Sampling Type: Soil Sampling Condition: Cool & Intact Sample Received By: Jodi Henson nk BS % Recovery True Value QC RPD Qualifier 1.72 85.8 2.00 7.05 1.67 83.4 2.00 7.12 1.58 79.2 2.00 8.12 4.70 78.3 6.00 9.45 nk BS % Recovery True Value QC RPD Qualifier 416 104 400 0.00 nk BS % Recovery True Value QC RPD Qualifier 191 95.7 200 1.47
Received:       02/06/2015       Sampling Date:       02/05/2015         Reported:       02/10/2015       Sampling Type:       Soil         Project Name:       CONOCO STATE AIY       Sampling Condition:       Cool & Intac         Project Number:       OXY-15-004       Sample Received By:       Jodi Henson         Project Location:       EDDY       Sample Received By:       Jodi Henson         Sample ID: BH-1 10' BGS (H500345-03)       Malyzed       Method Blank       ES       % Recovery       True Value QC       RI         Berzene*       <0.050       0.050       02/09/2015       ND       1.72       85.8       2.00       7.1         Tokene*        0.050       0.209/2015       ND       1.67       83.4       2.00       7.1         Tokene*       <0.050       0.050       02/09/2015       ND       1.67       83.4       2.00       7.1         Tokene*       <0.050       0.050       02/09/2015       ND       1.58       79.2       2.00       8.1         Total Xylenes*       <0.150       0.209/2015       ND       1.58       79.2       2.00       8.1         Surrogate: 4-Bromogflaurobercene (PIII)       104 %       61-154       104 %       6	Sampling Type: Soil Sampling Condition: Cool & Intact Sample Received By: Jodi Henson NK BS % Recovery True Value QC RPD Qualifier 1.72 85.8 2.00 7.05 1.67 83.4 2.00 7.12 1.58 79.2 2.00 8.12 4.70 78.3 6.00 9.45 AK BS % Recovery True Value QC RPD Qualifier 416 104 400 0.00 NK BS % Recovery True Value QC RPD Qualifier 191 95.7 200 1.47
Reported:       02/10/2015       Sampling Type:       Soil         Project Name:       CONOCO STATE ATY       Sampling Condition:       Cool & Intac         Project Number:       OXY-15-004       Sample Received By:       Jodi Henson         Project Location:       EDDY       Sample Received By:       Jodi Henson         Sample ID: BH-1 10' BGS (H500345-03)       Analyzed       Method Blank       ES       % Recovery       True Value QC       Rist         Berzenet*       <0.050       0.050       02/09/2015       ND       1.72       85.8       2.00       7.1         Tokenet*       <0.050       0.050       02/09/2015       ND       1.67       83.4       2.00       7.1         Tokenet*       <0.050       0.050       02/09/2015       ND       1.67       83.4       2.00       7.1         Tokenet*       <0.050       0.050       02/09/2015       ND       1.67       83.4       2.00       7.1         Tokal Xylenes*       <0.050       0.050       02/09/2015       ND       1.67       83.4       2.00       9.1         Surrogate: 4-Browngfuorobenzene (PIE       104 %       61-154       1.58       7.9.2       2.00       8.1         Surrogate: 4-Brown	Sampling Type: Soil Sampling Condition: Cool & Intact Sample Received By: Jodi Henson NK BS % Recovery True Value QC RPD Qualifier 1.72 85.8 2.00 7.05 1.67 83.4 2.00 7.12 1.58 79.2 2.00 8.12 4.70 78.3 6.00 9.45 AK BS % Recovery True Value QC RPD Qualifier 416 104 400 0.00 NK BS % Recovery True Value QC RPD Qualifier 191 95.7 200 1.47
Project Name:       CONOCO STATE AIY       Sampling Condition:       Cool & Intact         Project Number:       OXY-15-004       Sample Received By:       Jodi Henson         Project Location:       EDOY       Sample Received By:       Jodi Henson         Sample ID: BH-1 10' BGS (H500345-03)       BTEX 80218       mg/kg       Analyzed By: ms         Analyte       Result       Reporting Limit       Analyzed       Method Blank       BS       % Recovery       True Value QC       Rd         Benzerve*       <0.050       0.050       02/09/2015       ND       1.72       85.8       2.00       7.         Toluene*       <0.050       0.050       02/09/2015       ND       1.67       83.4       2.00       7.         Total Mylenes*       <0.050       0.050       02/09/2015       ND       1.67       83.4       2.00       7.         Total Mylenes*       <0.050       0.209/2015       ND       1.58       79.2       2.00       8.         Surrogate: 4-Broungfauorobenzene (PTE       104 %       61-154       61-154       61-154       61-154       61-154         Surrogate: 4-Broungfauorobenzene (PTE       104 %       61-154       61-154       7.0       7.0       7.0       7.0	Sampling Condition:         Cool & Intact:           Sample Received By:         Jodi Henson           nk         BS         % Recovery         True Value QC         RPD         Qualifier           1.72         85.8         2.00         7.05         1.67         83.4         2.00         7.12           1.59         79.2         2.00         8.12         4.70         78.3         6.00         9.45           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier
Project Number: Project Location:         OXY-15-004 EDDY         Sample Received By:         Jodi Henson           Sample ID: BH-1 10' BGS (H500345-03) BTEX 80218         mg/kg         Analyzed By: ms         Method Blank         ES         % Recovery         True Value QC         Rd           Analyte         Result         Reporting Limit         Analyzed         Method Blank         ES         % Recovery         True Value QC         Rd           Berusene*         <0.050         0.050         02/09/2015         ND         1.67         83.4         2.00         7.           Totuene*         <0.050         0.050         02/09/2015         ND         1.67         83.4         2.00         7.           Totuene*         <0.050         0.050         02/09/2015         ND         1.67         83.4         2.00         7.           Total Xylenes*         <0.050         0.209/2015         ND         1.58         79.2         2.00         8.           Total Xylenes*         <0.150         0.209/2015         ND         4.70         78.3         6.00         9.           Surrogate: 4-Bromofituorobenzene (PIII)         104 %         61-154           9.         Analyzed         Method Blank         ES	Sample Received By:         Jodi Henson           nk         BS         % Recovery         True Value QC         RPD         Qualifier           1.72         85.8         2.00         7.05         Qualifier           1.67         83.4         2.00         7.12         Qualifier           1.58         79.2         2.00         8.12         Qualifier           4.70         78.3         6.00         9.45         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           1416         104         400         0.00         Qualifier           191         95.7         200         1.47
Project Location:         EDDY           Sample ID: BH-1 10' BGS (H500345-03)         mg/kg         Analyzed By: ms           BTEX 8021B         mg/kg         Analyzed By: ms           Analyte         Result         Reporting Limit         Analyzed         Method Blank         ES         % Recovery         True Value QC         Rd           Berucene*         <0.050         0.050         02/09/2015         ND         1.67         83.4         2.00         7.           Tokuene*         <0.050         0.050         02/09/2015         ND         1.67         83.4         2.00         7.           Tokuene*         <0.050         0.050         02/09/2015         ND         1.67         83.4         2.00         7.           Tokuene*         <0.050         0.050         02/09/2015         ND         1.67         83.4         2.00         8.           Toka Xylenes*         <0.150         0.2/09/2015         ND         1.67         8.         6.00         9.           Surrogate: 4-Bromofluorobenzene (PITE         104 %         61-154          104 %         61-154           Surrogate: 4-Bromofluorobenzene (PITE         104 %         61-154          Method Blank         ES	BS         % Recovery         True Value QC         RPD         Qualifier           1.72         85.8         2.00         7.05         1.67         83.4         2.00         7.12           1.57         83.4         2.00         7.12         1.58         79.2         2.00         8.12           4.70         78.3         6.00         9.45         9.45         9.45           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier
BFEX 8021B         mg/kg         Analyzed By: ms           Analyte         Result         Reporting Limit         Analyzed By: ms         Thue Value QC         Rational Control Conterect Conterecontere Control Control Conterect Control Conterecon	1.72         85.8         2.00         7.05           1.67         83.4         2.00         7.12           1.58         79.2         2.00         8.12           4.70         78.3         6.00         9.45           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier
BFEX 8021B         mg/kg         Analyzed By: ms           Analyte         Result         Reporting Limit         Analyzed         Method Blank         ES         % Recovery         True Value QC         Result           Beruzene*         <0.050	1.72         85.8         2.00         7.05           1.67         83.4         2.00         7.12           1.58         79.2         2.00         8.12           4.70         78.3         6.00         9.45           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier
Benzene*         <0.050         0.050         02/09/2015         ND         1.72         85.8         2.00         7.7           Toluene*         <0.050	1.72         85.8         2.00         7.05           1.67         83.4         2.00         7.12           1.58         79.2         2.00         8.12           4.70         78.3         6.00         9.45           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier
Toluene*         <0.050	1.67         83.4         2.00         7.12           1.58         79.2         2.00         8.12           4.70         78.3         6.00         9.45           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier
Ethylbenzene*         <0.050         0.050         02/09/2015         ND         1.58         79.2         2.00         8.           Total Xylenes*         <0.150	1.58         79.2         2.00         8.12           4.70         78.3         6.00         9.45           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           191         95.7         200         1.47
Total Xylenes*         <0.150         0.150         02/09/2015         ND         4.70         78.3         6.00         9.           Total BTEX         <0.300	4.70         78.3         6.00         9.45           nk         BS         % Recovery         True Value QC         RPD         Qualifier           416         104         400         0.00         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           nk         BS         % Recovery         True Value QC         RPD         Qualifier           191         95.7         200         1.47
Total BTEX         <0.300         0.300         02/09/2015         ND           Surrogate: 4-Bromgfluorobenzene (PII)         104 %         61-154           Chloride, SM4500CI-B         mg/kg         Analyzed By: AP           Analyte         Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RJ           Chloride         256         16.0         02/06/2015         ND         416         104         400         0.0	nk BS % Recovery True Value QC RPD Qualifier 416 104 400 0.00 nk BS % Recovery True Value QC RPD Qualifier 191 95.7 200 1.47
Surrogate: 4-Bromofluorobenzene (PTE 104 % 61-154 Chloride, SM4500CI-B mg/kg Analyzed By: AP Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RJ Chloride 256 16.0 02/06/2015 ND 416 104 400 0.	416 104 400 0.00 nk BS % Recovery True Value QC RPD Qualifier 191 95.7 200 1.47
Chloride, \$M4500CI-B         mg/kg         Analyzed By: AP           Analyte         Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RJ           Chloride         256         16.0         02/06/2015         ND         416         104         400         0.0	416 104 400 0.00 nk BS % Recovery True Value QC RPD Qualifier 191 95.7 200 1.47
Analyte         Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RJ           Chloride         256         16.0         02/06/2015         ND         416         104         400         0.0	416 104 400 0.00 nk BS % Recovery True Value QC RPD Qualifier 191 95.7 200 1.47
Chloride 256 16.0 02/06/2015 ND 416 104 400 0.	416 104 400 0.00 nk BS % Recovery True Value QC RPD Qualifier 191 95.7 200 1.47
	nk B5 % Recovery True Value QC RPD Qualifier 191 95.7 200 1.47
TPH 8015M mg/kg Analyzed Bv; MS	191 95.7 200 1.47
	191 95.7 200 1.47
Analyte Result Reporting Limit Analyzed Method Blank B5 % Recovery True Value QC Ri	
GRO C6-C10 <10.0 10.0 02/09/2015 ND 191 95.7 200 1.	188 04.1 200 1.69
DR0 >C10-C28 <10.0 10.0 02/09/2015 ND 188 94.1 200 1.	100 71.1 200 1.09
Surrogate: 1-Chlorosciane 96.3 % 47.2-157	
Surrogate: 1-Chlorooctadecane 83.3 % 52.1-176	

		<b>VAL</b> ories		PHOP	IE (575) 3	93-2326 * 101	E. MARLAND * HO	BBS, NM 882	240
		Analy	tical Resul	ts For:					
				nental Solutions					
		703 Hol	Allen East Clinton obs NM, 88240 To: (575)	) 393-4388					
Received: Reported: Project Name: Project Number: Project Location:	02/06/20 02/10/20 CONOCO OXY-15-0 EDDY	15 STATE AIY		San San	npling Da npling Ty npling Co nple Rec	pe:	02/05/ Soil Cool & Jodi He	Intact	
ample ID: BH-2 4' BGS (H500 TEX 80218	)345-04) mg/	ka.	Analyza	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
enzene*									Quamer.
enzene*	<0.050	0.050	02/09/2015	ND	1.72 1.67	85.8	2.00	7.05	
owene" thybenzene*	<0.050	0.050	02/09/2015	ND	1.58	79.2	2.00	8.12	
iotal Xylenes*	<0.150	0.150	02/09/2015	ND	4.70	78.3	6.00	9.45	
otal BTEX	<0.300	0.300	02/09/2015	ND	4.70	10.5	0.00	3.73	
urrogate: 4-Bromofluorobenzene (PIL) hloride, SM4500CI-B	102								
050402	mg/	Line House and the	Investorial in	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
hloride PH 8015M	80.0	16.0	02/06/2015	ND d By: MS	416	104	400	0.00	
	mg/			Method Blank	BS	01 Processo	Teo 101 - 07	RPD	0.00
Analyte	Result	Reporting Limit	Analyzed			% Recovery	True Value QC		Qualifier
RO C6-C10 RO >C10-C28	<10.0	10.0	02/09/2015	ND	191	95.7	200	1.47	
urronate: 1-Chiorosciane	96.8	% 47.2-15	7	Week.	220022	COMPACT.	27422	0.0000	
	84.5								
RO C6-C10 RO >C10-C28 urrogate: 1-Chlorooctune urrogate: 1-Chlorooctudecane	96.8	% 47,2-15	7	ND ND	191 188	95.7 94.1	200	1.47	
Cardinal Laboratories				b inter a tot da		s the encourt paid by	dent for endpoint. All is	*=Accredit	e for makers

Page 5 of 7

	CARDINAL Laboratories	PHONE (575) 393-2326 * 101 E. MARLAND * HOBBS, NM 88240
	Notes and Defi	
	Notes and Den	intions
XI-MX	The spike recovery was outside of QC acceptance limits for the MS and/or I greater the spike concentration. The QC batch was accepted based on LCS limits.	
4D	Analyte NOT DETECTED at or above the reporting limit	
90	Relative Percent Difference	
	Samples not received at proper temperature of 6°C or below.	
**	Insufficient time to reach temperature.	
	Chloride by SM4500CI-B does not require samples be received at or below 6	rc
	Samples reported on an as received basis (wet) unless otherwise noted on	
E. INCOMPANY		AV 25 STREAMENT OF
Cardinal La	boratories	*=Accredited Analyte
nzair witti ia	offy and Decays. Cardinal's Molthy and chart's exclude receip for any class unlarge electric based in	outlest of tart, shall be bothed to the encoust path by chest for enables. All claims, taskeding frees for engigence an
inlaing which it	balances dari be denomi estad under such is ertig auf explore for Carlinal ethics (1996). Any Arthon, insideme Koncyllon, kan di any, et kan di publik sicural di chich, fa under pu et d'he sicure dabet means a selectere. Reach retre only is for anyone blechted abore. This must ded not be reproduc a	a der angeles ef de systelle werze. Is in mer det behar is hele for tokens er unwynersistelsange sommer heleg ut d'ar heles is de pelerses if de arches benader is Geles, repetieu if efeker ar af engeskildet erten general d'Gelesal skalastere.
de	by Ditiena	
1223-3		



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#### OXY USA, INC. Lea County, New Mexico

## Appendix B C-141

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

**D** 1

NT.

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 1.0 ..... 10

Release Notification and Corrective Action	on
OPERATOR	

. 1.

		OPERATOR	☑ Initial Report	Final Report
Name of Company: OXY Permian		Contact: Christopher Jones		
Address: 1502 W Commerce Dr.		Telephone No. 575-499-3337		
Facility Name: Conoco State 10 A 1Y Battery		Facility Type:		
Surface Owner	Mineral Owner		API No. 30-015-	23289

LOCATION OF RELEASE									
Unit Letter	Section: 10	Township: 19S	Range 29E	Feet from the	North/South Line	Feet from the	East/West Line	County: Eddy	

Latitude 32.676970 Longitude -104.065390

#### NATURE OF RELEASE Type of Release: Oil and Water Volume of Release: 3 BBLS Oil 2 Volume Recovered: BBLS Water 0 Source of Release: Date and Hour of Occurrence: Date and Hour of Discovery: High Pressure Vent Line 1/10/2015 1/10/2015 8:45 am Was Immediate Notice Given? If YES, To Whom? Yes No Not Required Date and Hour: By Whom? Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. 🗌 Yes 🖂 No If a Watercourse was Impacted, Describe Fully.\* Describe Cause of Problem and Remedial Action Taken.\* 3 inch steel high pressure vent line - high gas line pressure Describe Area Affected and Cleanup Action Taken.\* Safety & Environmental Solutions, Inc. will delineate the spill 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 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 Chris Jones and the christer of the series o Signature: Approved by Environmental Specialist: Printed Name Christopher Jones: Expiration Date: Title: Approval Date: E-mail Address:Christopher\_jones@oxy.com Conditions of Approval: Attached Phone: 575-499-3337 Date

\* Attach Additional Sheets If Necessary