



OXY – LOST TANK 33 FEDERAL #2 SWD

REMEDIATION PLAN

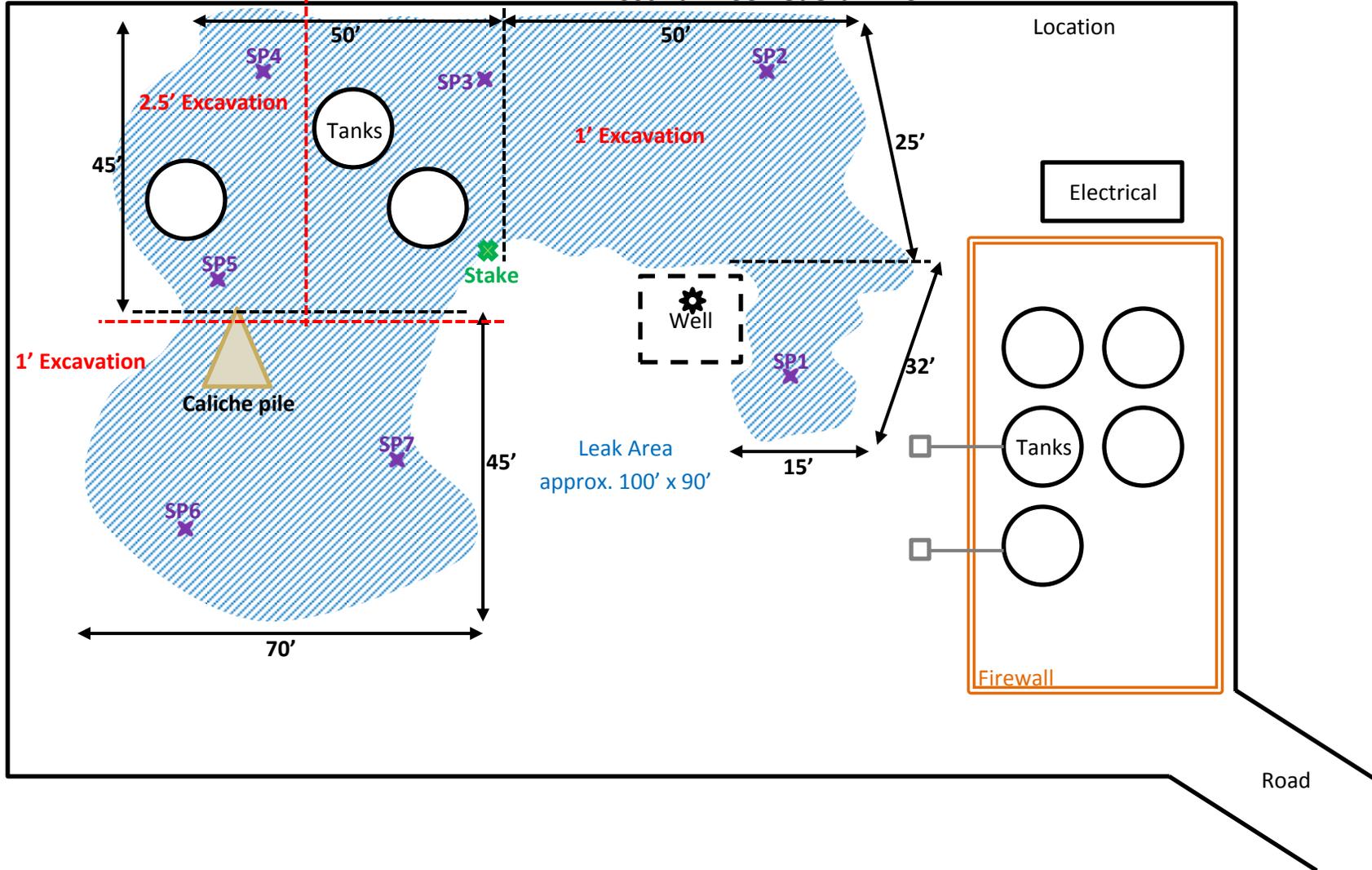
Oxy will excavate the spill area as depicted on the following site diagram. The spill area covering SP1, SP2, and SP3 will be excavated to a depth of 1 foot. The area covering SP4 and SP5 will be excavated to a depth of 2.5 feet. The area covering SP6 and SP7 will be excavated to a depth of 1 foot. The site will then be backfilled with clean soil.

All excavated materials will be disposed of at an NMOCD-approved disposal facility.



Oxy

Lost Tank 33 Federal #2 SWD



U/L M, Section 33, T21S, R31E

Eddy County, NM

N 32.42870° W 103.78971°

API# 30-015-29330

BBC International, Inc.

Oxy

Lost Tank 33 Federal #2 SWD

Date: 09/14/2015

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2015



Groundwater Plot

Oxy Lost Tank 33 Federal #2 SWD

County
Eddy

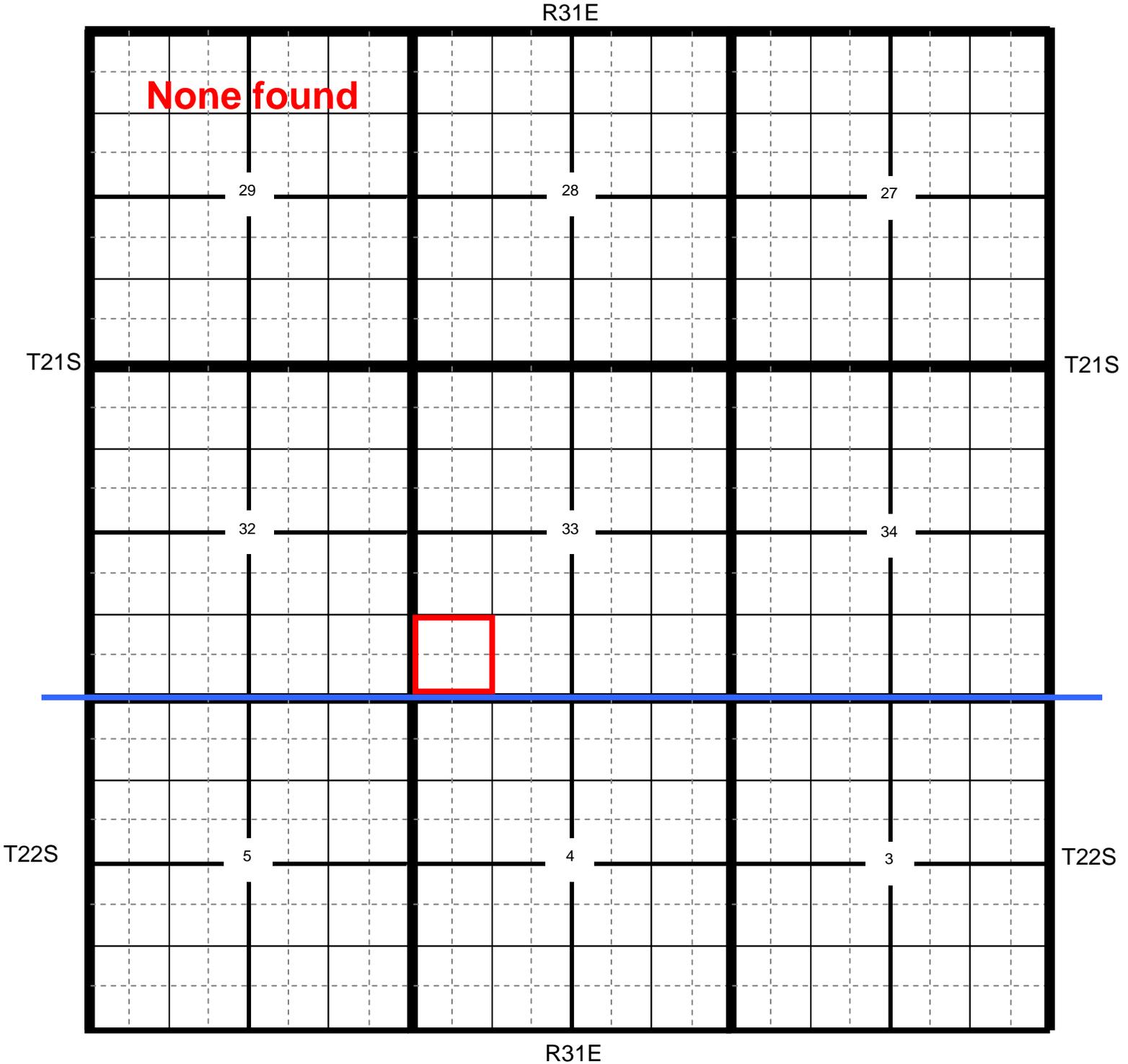
Unit Letter
M

Section
33

Township
21S

Range
31E

Trend Map 175'



📍 Location

● OCD

● USGS

● SEO

● All Databases

Oxy Lost Tank 33 Federal #2 SWD

County Eddy Unit Letter M Section 33 Township 21S Range 31E

Trend Map 175'

1

2

NW/NW None found	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

**Laboratory Analytical Results Summary
Lost Tank 33 Federal #2 SWD**

		Sample	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'	SP1 @ 5'	SP1 @ 6'	SP1 @ 7'
Analyte	Method	Date	9/16/15	9/16/15	9/16/15	9/16/15	9/16/15	9/16/15	9/16/15	9/16/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		26000	544	848	752	656	368	<16.0	<16.0

		Sample	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'	SP2 @ 5'	SP2 @ 6'
Analyte	Method	Date	9/16/15	9/16/15	9/17/15	9/17/15	9/17/15	9/17/15	9/17/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		25200	608	880	672	320	16	<16.0

		Sample	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'	SP3 @ 5'
Analyte	Method	Date	9/17/15	9/17/15	9/17/15	9/17/15	9/17/15	9/17/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		26400	720	528	304	16	<16.0

		Sample	SP4 @ SURFACE	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'	SP4 @ 5'	SP4 @ 6'
Analyte	Method	Date	9/17/15	9/18/15	9/18/15	9/18/15	9/18/15	9/18/15	9/18/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		37600	12000	4400	800	576	<16.0	<16.0

		Sample	SP5 @ SURFACE	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'	SP5 @ 4'	SP5 @ 5'	SP5 @ 6'
Analyte	Method	Date	9/18/15	9/18/15	9/18/15	9/18/15	9/18/15	9/18/15	9/18/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		38000	20000	4560	992	560	<16.0	<16.0

		Sample	SP6 @ SURFACE	SP6 @ 1'	SP6 @ 2'	SP6 @ 3'	SP6 @ 4'
Analyte	Method	Date	9/18/15	9/21/15	9/21/15	9/21/15	9/21/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		38000	1120	592	256	160

		Sample	SP7 @ SURFACE	SP7 @ 1'	SP7 @ 2'	SP7 @ 3'	SP7 @ 4'
Analyte	Method	Date	9/21/15	9/21/15	9/21/15	9/21/15	9/21/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		27200	688	352	240	80



September 29, 2015

Cliff Brunson
BBC International, Inc.
P.O. Box 805
Hobbs, NM 88241

RE: LOST TANK 33 FEDERAL #2 SWD

Enclosed are the results of analyses for samples received by the laboratory on 09/22/15 14:45.

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/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	09/22/2015	Sampling Date:	09/16/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	LOST TANK 33 FEDERAL #2 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ SURFACE (H502498-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	26000	16.0	09/24/2015	ND	432	108	400	3.77	

Sample ID: SP 1 @ 1' (H502498-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	09/24/2015	ND	432	108	400	3.77	

Sample ID: SP 1 @ 2' (H502498-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	09/24/2015	ND	432	108	400	3.77	

Sample ID: SP 1 @ 3' (H502498-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	09/24/2015	ND	432	108	400	3.77	

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*=Accredited Analyte

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Received:	09/22/2015	Sampling Date:	09/16/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	LOST TANK 33 FEDERAL #2 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ 4' (H502498-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	09/24/2015	ND	432	108	400	3.77	

Sample ID: SP 1 @ 5' (H502498-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	09/24/2015	ND	432	108	400	3.77	

Sample ID: SP 1 @ 6' (H502498-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/25/2015	ND	448	112	400	7.41	

Sample ID: SP 1 @ 7' (H502498-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/25/2015	ND	448	112	400	7.41	

Sample ID: SP 2 @ SURFACE (H502498-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	25200	16.0	09/25/2015	ND	448	112	400	7.41	

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 Cliff Brunson
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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	09/22/2015	Sampling Date:	09/16/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	LOST TANK 33 FEDERAL #2 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 2 @ 1' (H502498-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	09/25/2015	ND	448	112	400	7.41	

Sample ID: SP 2 @ 2' (H502498-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	09/25/2015	ND	448	112	400	7.41	

Sample ID: SP 2 @ 3' (H502498-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	09/25/2015	ND	448	112	400	7.41	

Sample ID: SP 2 @ 4' (H502498-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	09/25/2015	ND	448	112	400	7.41	

Sample ID: SP 2 @ 5' (H502498-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/25/2015	ND	448	112	400	7.41	

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Received:	09/22/2015	Sampling Date:	09/17/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	LOST TANK 33 FEDERAL #2 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 2 @ 6' (H502498-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/25/2015	ND	448	112	400	7.41	

Sample ID: SP 3 @ SURFACE (H502498-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	26400	16.0	09/25/2015	ND	448	112	400	7.41	

Sample ID: SP 3 @ 1' (H502498-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	09/25/2015	ND	448	112	400	7.41	

Sample ID: SP 3 @ 2' (H502498-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	09/25/2015	ND	448	112	400	7.41	

Sample ID: SP 3 @ 3' (H502498-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	09/25/2015	ND	448	112	400	7.41	

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Received:	09/22/2015	Sampling Date:	09/17/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	LOST TANK 33 FEDERAL #2 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ 4' (H502498-20)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/25/2015	ND	448	112	400	7.41	

Sample ID: SP 3 @ 5' (H502498-21)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/25/2015	ND	448	112	400	7.41	

Sample ID: SP 4 @ SURFACE (H502498-22)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	37600	16.0	09/25/2015	ND	448	112	400	7.41	

Sample ID: SP 4 @ 1' (H502498-23)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12000	16.0	09/25/2015	ND	448	112	400	7.41	

Sample ID: SP 4 @ 2' (H502498-24)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4400	16.0	09/25/2015	ND	448	112	400	7.41	

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Received:	09/22/2015	Sampling Date:	09/18/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	LOST TANK 33 FEDERAL #2 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 4 @ 3' (H502498-25)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	09/25/2015	ND	448	112	400	7.41	

Sample ID: SP 4 @ 4' (H502498-26)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	09/25/2015	ND	448	112	400	7.41	

Sample ID: SP 4 @ 5' (H502498-27)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/25/2015	ND	464	116	400	3.51	

Sample ID: SP 4 @ 6' (H502498-28)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/25/2015	ND	464	116	400	3.51	

Sample ID: SP 5 @ SURFACE (H502498-29)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	38000	16.0	09/25/2015	ND	464	116	400	3.51	

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Received:	09/22/2015	Sampling Date:	09/18/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	LOST TANK 33 FEDERAL #2 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 5 @ 1' (H502498-30)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20000	16.0	09/25/2015	ND	464	116	400	3.51	

Sample ID: SP 5 @ 2' (H502498-31)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4560	16.0	09/25/2015	ND	464	116	400	3.51	

Sample ID: SP 5 @ 3' (H502498-32)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	09/25/2015	ND	464	116	400	3.51	

Sample ID: SP 5 @ 4' (H502498-33)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	09/25/2015	ND	464	116	400	3.51	

Sample ID: SP 5 @ 5' (H502498-34)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/25/2015	ND	464	116	400	3.51	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	09/22/2015	Sampling Date:	09/18/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	LOST TANK 33 FEDERAL #2 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 5 @ 6' (H502498-35)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/25/2015	ND	464	116	400	3.51	

Sample ID: SP 6 @ SURFACE (H502498-36)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	38000	16.0	09/25/2015	ND	464	116	400	3.51	

Sample ID: SP 6 @ 1' (H502498-37)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	09/25/2015	ND	464	116	400	3.51	

Sample ID: SP 6 @ 2' (H502498-38)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	09/25/2015	ND	464	116	400	3.51	

Sample ID: SP 6 @ 3' (H502498-39)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	09/25/2015	ND	464	116	400	3.51	

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Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	09/22/2015	Sampling Date:	09/21/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	LOST TANK 33 FEDERAL #2 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 6 @ 4' (H502498-40)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/25/2015	ND	464	116	400	3.51	

Sample ID: SP 7 @ SURFACE (H502498-41)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	27200	16.0	09/25/2015	ND	464	116	400	3.51	

Sample ID: SP 7 @ 1' (H502498-42)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	09/25/2015	ND	464	116	400	3.51	

Sample ID: SP 7 @ 2' (H502498-43)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	09/25/2015	ND	464	116	400	3.51	

Sample ID: SP 7 @ 3' (H502498-44)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	09/25/2015	ND	464	116	400	3.51	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	09/22/2015	Sampling Date:	09/21/2015
Reported:	09/29/2015	Sampling Type:	Soil
Project Name:	LOST TANK 33 FEDERAL #2 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 7 @ 4' (H502498-45)
Chloride, SM4500Cl-B
mg/kg
Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/25/2015	ND	464	116	400	3.51	

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Celey D. Keene, Lab Director/Quality Manager

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

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.
 Project Manager: Cliff Brunson
 Address: P.O. Box 805
 City: Hobbs State: NM Zip: 88241
 Phone #: 575-397-6388 Fax #: 575-397-0397
 Project #: Project Owner: Oxy
 Project Name: Lost Tank 33 Federal #2 SWD
 Project Location: Eddy County, NM
 Sampler Name: Jeff Ornelas

P.O. #: Dustyn Wilson
 Company: Dustyn Wilson
 Attn: Dustyn Wilson
 Address: _____
 City: _____ State: _____ Zip: _____
 Phone #: _____ Fax #: _____

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	REMARKS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
H502498	SP1 @ SURFACE	G	1			✓			9/16/15	11:38 AM	✓	
	SP1 @ 1'	G	1			✓			9/16/15	1:00 PM	✓	
	SP1 @ 2'	G	1			✓			9/16/15	1:11 PM	✓	
	SP1 @ 3'	G	1			✓			9/16/15	1:30 PM	✓	
	SP1 @ 4'	G	1			✓			9/16/15	1:50 PM	✓	
	SP1 @ 5'	G	1			✓			9/16/15	2:09 PM	✓	
	SP1 @ 6'	G	1			✓			9/16/15	2:15 PM	✓	
	SP1 @ 7'	G	1			✓			9/16/15	2:37 PM	✓	
	SP2 @ SURFACE	G	1			✓			9/16/15	3:00 PM	✓	
	SP2 @ 1'	G	1			✓			9/16/15	3:15 PM	✓	

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Relinquished By: Jeff Ornelas Date: 9/16/15 Time: 5:00pm
 Received By: Cliff Brunson Date: 9-22-15 Time: 2:45pm
 Delivered By: (Circle One) UPS 5.168
 Sampler - UPS - Bus - Other: 5.168

Sample Condition: Cool Intact
 Checked By: Cliff Brunson
 Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____
 REMARKS: #54

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

BILL TO

Company Name: BBC International, Inc. P.O. #:

Project Manager: Cliff Brunson Company: Dispy Wilson

Address: P.O. Box 805 State: NM Zip: 88241 Attn:

City: Hobbs Address:

Phone #: 575-397-6388 Fax #: 575-397-0397 City:

Project #: Project Owner: Oxy State: Zip:

Project Name: Lost Tank 33 Federal #2 SWD Phone #:

Project Location: Eddy County, NM Fax #:

Sampler Name: Jeff Ornelas

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME								
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :										
H501498	SP3 @ 5'	G	1							9/17/15	3:12 PM								
	SP4 @ SURFACE	G	1							9/17/15	3:33 PM								
	SP4 @ 1'	G	1							9/18/15	9:00 AM								
	SP4 @ 2'	G	1							9/18/15	9:33 AM								
	SP4 @ 3'	G	1							9/18/15	10:15 AM								
	SP4 @ 4'	G	1							9/18/15	10:56 AM								
	SP4 @ 5'	G	1							9/18/15	11:27 AM								
	SP4 @ 6'	G	1							9/18/15	12:05 PM								
	SP5 @ SURFACE	G	1							9/18/15	1:11 PM								
	SP5 @ 1'	G	1							9/18/15	1:39 PM								

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Reinquinshed By: Date: 9/18/15 Time: 5:00pm

Received By: Date: 9/22/15 Time: 9:45am

Delivered By: (Circle One) UPS Bus Other

Sample Condition: Intact Cool Yes No

CHECKED BY: (Initials)

REMARKS:

Phone Result: Yes No Add'l Phone #:

Fax Result: Yes No Add'l Fax #:

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

BILL TO

Company Name: BBC International, Inc.
 Project Manager: Cliff Brunson
 Address: P.O. Box 805
 City: Hobbs State: NM Zip: 88241
 Phone #: 575-397-6388 Fax #: 575-397-0397
 Project #: Project Owner: Oxy
 Project Name: Lost Tank 33 Federal #2 SWD
 Project Location: Eddy County, NM
 Sampler Name: Jeff Ornelas
 P.O. #: Company: *D. S. L. S.*
 Address: City: State: Zip:
 Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME							
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :									
<i>H502498</i>																		
<i>41</i>	SP7 @ SURFACE		<i>6</i>			<input checked="" type="checkbox"/>												
<i>42</i>	SP7 @ 1'		<i>6</i>			<input checked="" type="checkbox"/>												
<i>43</i>	SP7 @ 2'		<i>6</i>			<input checked="" type="checkbox"/>												
<i>44</i>	SP7 @ 3'		<i>6</i>			<input checked="" type="checkbox"/>												
<i>45</i>	SP7 @ 4'		<i>6</i>			<input checked="" type="checkbox"/>												

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Relinquished By: *[Signature]* Date: *9/21/15* Time: *5:00 PM*
 Received By: *[Signature]* Date: *9/21/15* Time: *2:45 PM*
 Delivered By: (Circle One) *UPS* *5.62*
 Sampler - UPS - Bus - Other:
 Sample Condition: Cool Intact
 Checked By: *[Signature]*
 Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476
#54

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company	Oxy Permian Ltd.	Contact	Dusty Wilson
Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(432) 685-5771
Facility Name	Lost Tank 33 Federal #2 SWD	Facility Type	SWD
Surface Owner	BLM	Mineral Owner	API No. 30-015-29330

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	33	21S	31E					Eddy County, NM

Latitude N 32.42870° Longitude W 103.78971°

NATURE OF RELEASE

Type of Release	Produced water	Volume of Release	80 bbls	Volume Recovered	70 bbls
Source of Release	Coupler on well head failed due to vibration and high pressure	Date and Hour of Occurrence	09/03/2015	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?	Milke Bratcher, Heather Patterson- NMOCD; Shelly Tucker- BLM		
By Whom?	Kathy Purvis, BBC International	Date and Hour	09/03/2015 @ 5:03 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.*

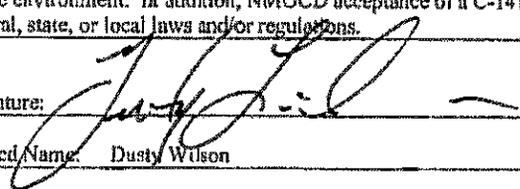
The steel coupler on the well head failed due to high pressure and vibration causing 80 bbls of produced water to leak onto the ground. A vacuum truck recovered 70 bbls of produced water and the coupler was replaced.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 85' x 40' on location. Remediation will be completed in accordance with a remediation plan approved by NMOCD and the BLM.

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: Dusty Wilson

Approved by Environmental Specialist:

Title: Environmental Advisor

Approval Date:

Expiration Date:

E-mail Address: Dusty.Wilson@oxy.com

Conditions of Approval:

Attached

Date: 9/21/15 Phone: (432) 685-5771

* Attach Additional Sheets If Necessary