

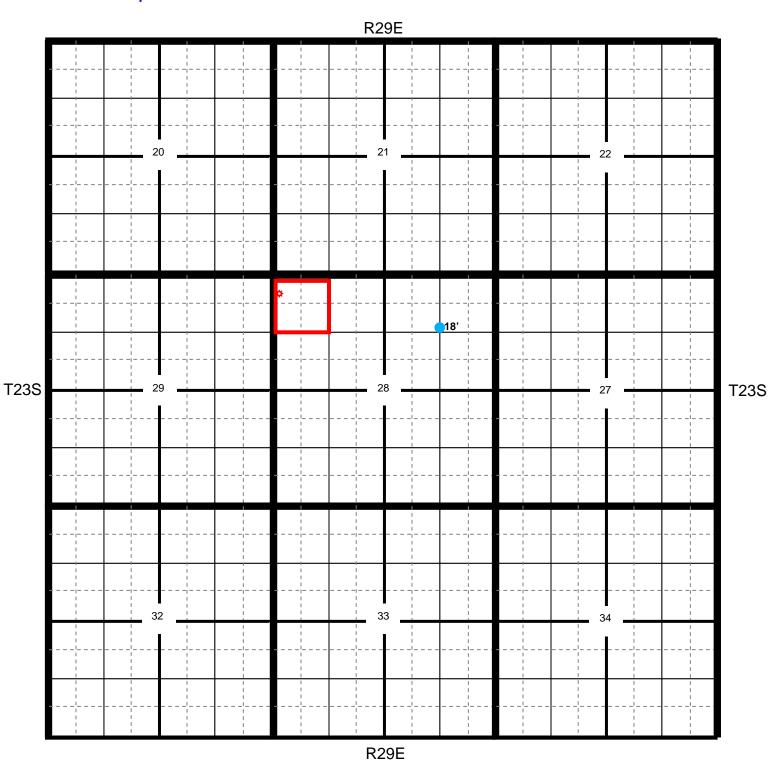


Groundwater Plot

Oxy Cypress 28 Federal #3H

CountyUnit LetterSectionTownshipRangeEddyD2823S29E

Trend Map 50'



Location

OCD

USGS

SEO

All Databases



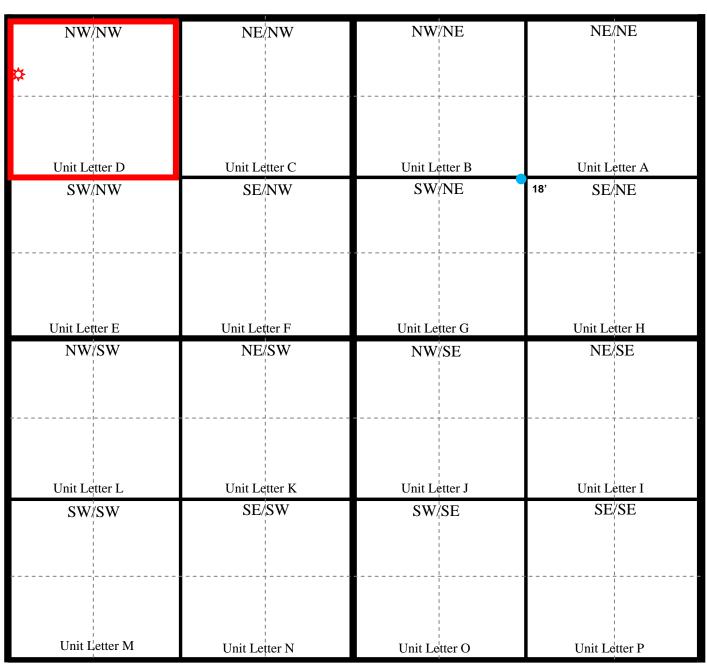
Section Quarters

Oxy Cypress 28 Federal #3H

CountyUnit LetterSectionTownshipRangeEddyD28T23SR29E

Trend Map 50'

1



3

Laboratory Analytical Results Summary Cypress 28 Federal #3H

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'	SP1 @ 5'
Analyte	Method	Date	5/14/14	5/14/14	5/14/14	5/14/14	5/14/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		0.584	<0.500	<0.200	< 0.050	< 0.050
Toluene	BTEX 8021B		12.2	7.35	1.33	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		15.8	15.2	4.1	0.05	< 0.050
Total Xylenes	BTEX 8021B		64.8	64.8	16.7	<0.150	< 0.150
Total BTEX	BTEX 8021B		93.4	84.5	22.2	< 0.300	< 0.300
Chloride	SM4500CI-B		528	208	144	80	80
GRO	TPH 8015M		1850	1940	624	<10.0	<10.0
DRO	TPH 8015M		12900	12000	6060	<10.0	16.9

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'	SP2 @ 5'
Analyte	Method	Date	5/14/14	5/14/14	5/14/14	5/14/14	5/14/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		1.1	1.11	0.051	< 0.050	< 0.050
Toluene	BTEX 8021B		16.8	17	1.22	0.092	0.08
Ethylbenzene	BTEX 8021B		17.9	20.8	2.83	0.279	0.115
Total Xylenes	BTEX 8021B		77.5	77.6	9.49	0.864	0.616
Total BTEX	BTEX 8021B		113	116	13.6	1.24	0.81
Chloride	SM4500CI-B		960	320	272	448	96
GRO	TPH 8015M		1550	1740	308	35	10
DRO	TPH 8015M		8620	8590	4110	1440	23.3

		Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'	SP3 @ 5'
Analyte	Method	Date	5/15/14	5/15/14	5/15/14	5/15/14	5/15/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		1.57	2.15	<1.00	< 0.050	< 0.050
Toluene	BTEX 8021B		46.8	48.6	26.3	< 0.050	0.675
Ethylbenzene	BTEX 8021B		62.5	54.5	32.8	0.071	0.648
Total Xylenes	BTEX 8021B		301	261	153	0.274	3.98
Total BTEX	BTEX 8021B		412	367	212	0.345	5.3
Chloride	SM4500CI-B		192	192	64	32	80
GRO	TPH 8015M		10000	8750	4520	<10.0	40.1
DRO	TPH 8015M		50500	42700	22200	31.4	73.2



May 27, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CYPRESS 28 FED #3H

Enclosed are the results of analyses for samples received by the laboratory on 05/16/14 14:25.

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. Keene

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



BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 05/16/2014 Sampling Date: 05/14/2014

Reported: 05/27/2014 Sampling Type: Soil

Project Name: CYPRESS 28 FED #3H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: RAWHIDE RD

Sample ID: SP 1 @ 1' (H401509-01)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.584	0.200	05/20/2014	ND	2.17	109	2.00	0.100	
Toluene*	12.2	0.200	05/20/2014	ND	2.17	108	2.00	0.742	
Ethylbenzene*	15.8	0.200	05/20/2014	ND	2.07	103	2.00	0.395	
Total Xylenes*	64.8	0.600	05/20/2014	ND	6.48	108	6.00	0.119	
Total BTEX	93.4	1.20	05/20/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 89.4-12	6						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	05/22/2014	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1850	100	05/23/2014	ND	201	101	200	7.89	
DRO >C10-C28	12900	100	05/23/2014	ND	224	112	200	10.1	
Surrogate: 1-Chlorooctane	194	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	341	% 63.6-15	4						

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Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 05/16/2014 Sampling Date: 05/14/2014

Reported: 05/27/2014 Sampling Type: Soil

Project Name:CYPRESS 28 FED #3HSampling Condition:Cool & IntactProject Number:NONE GIVENSample Received By:Jodi HensonProject Location:RAWHIDE RD

Sample ID: SP 1 @ 2' (H401509-02)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	05/20/2014	ND	2.17	109	2.00	0.100	
Toluene*	7.35	0.500	05/20/2014	ND	2.17	108	2.00	0.742	
Ethylbenzene*	15.2	0.500	05/20/2014	ND	2.07	103	2.00	0.395	
Total Xylenes*	64.8	1.50	05/20/2014	ND	6.48	108	6.00	0.119	
Total BTEX	87.5	3.00	05/20/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 89.4-12	6						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	05/22/2014	ND	416	104	400	3.92	
TPH 8015M	mg,	'kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1940	100	05/23/2014	ND	201	101	200	7.89	
DRO >C10-C28	12000	100	05/23/2014	ND	224	112	200	10.1	
Surrogate: 1-Chlorooctane	205 :	% 65.2-14	0						

Surrogate: 1-Chlorooctadecane 319 % 63.6-154

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Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 05/16/2014 Sampling Date: 05/14/2014

Reported: 05/27/2014 Sampling Type: Soil

Project Name: CYPRESS 28 FED #3H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: RAWHIDE RD

Sample ID: SP 1 @ 3' (H401509-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	05/20/2014	ND	2.17	109	2.00	0.100	
Toluene*	1.33	0.200	05/20/2014	ND	2.17	108	2.00	0.742	
Ethylbenzene*	4.10	0.200	05/20/2014	ND	2.07	103	2.00	0.395	
Total Xylenes*	16.7	0.600	05/20/2014	ND	6.48	108	6.00	0.119	
Total BTEX	22.2	1.20	05/20/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/22/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	624	10.0	05/22/2014	ND	201	101	200	7.89	
DRO >C10-C28	6060	10.0	05/22/2014	ND	224	112	200	10.1	
Surrogate: 1-Chlorooctane	191 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	198 9	63.6-15	4						

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Received: 05/16/2014 Sampling Date: 05/14/2014

Reported: 05/27/2014 Sampling Type: Soil

Project Name: CYPRESS 28 FED #3H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: RAWHIDE RD

Sample ID: SP 1 @ 4' (H401509-04)

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	05/20/2014	ND	2.17	109	2.00	0.100	
Toluene*	<0.050	0.050	05/20/2014	ND	2.17	108	2.00	0.742	
Ethylbenzene*	0.050	0.050	05/20/2014	ND	2.07	103	2.00	0.395	
Total Xylenes*	<0.150	0.150	05/20/2014	ND	6.48	108	6.00	0.119	
Total BTEX	<0.300	0.300	05/20/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 %	% 89.4-12	6						
Chloride, SM4500CI-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	05/22/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/22/2014	ND	201	101	200	7.89	
DRO >C10-C28	<10.0	10.0	05/22/2014	ND	224	112	200	10.1	
Surrogate: 1-Chlorooctane	112 %	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	111 %	63.6-15	4						

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Received: 05/16/2014 Sampling Date: 05/14/2014

Reported: 05/27/2014 Sampling Type: Soil

Project Name: CYPRESS 28 FED #3H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: RAWHIDE RD

Sample ID: SP 1 @ 5' (H401509-05)

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	05/20/2014	ND	2.17	109	2.00	0.100	
Toluene*	< 0.050	0.050	05/20/2014	ND	2.17	108	2.00	0.742	
Ethylbenzene*	< 0.050	0.050	05/20/2014	ND	2.07	103	2.00	0.395	
Total Xylenes*	<0.150	0.150	05/20/2014	ND	6.48	108	6.00	0.119	
Total BTEX	<0.300	0.300	05/20/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 %	% 89.4-12	6						
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	05/22/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/23/2014	ND	201	101	200	7.89	
DRO >C10-C28	16.9	10.0	05/23/2014	ND	224	112	200	10.1	
Surrogate: 1-Chlorooctane	114 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	115 %	63.6-15	4						

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Fax To: (575) 397-0397

Received: 05/16/2014 Sampling Date: 05/14/2014

Reported: 05/27/2014 Sampling Type: Soil

Project Name: CYPRESS 28 FED #3H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: RAWHIDE RD

Sample ID: SP 2 @ 1' (H401509-06)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.10	0.500	05/20/2014	ND	2.17	109	2.00	0.100	
Toluene*	16.8	0.500	05/20/2014	ND	2.17	108	2.00	0.742	
Ethylbenzene*	17.9	0.500	05/20/2014	ND	2.07	103	2.00	0.395	
Total Xylenes*	77.5	1.50	05/20/2014	ND	6.48	108	6.00	0.119	
Total BTEX	113	3.00	05/20/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 89.4-12	?6						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	05/22/2014	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1550	100	05/23/2014	ND	201	101	200	7.89	
DRO >C10-C28	8620	100	05/23/2014	ND	224	112	200	10.1	
Surrogate: 1-Chlorooctane	171	% 65.2-14	10						
Surragate: 1-Chlorooctadecane	238	% 63.6-15	5.1						

Surrogate: 1-Chlorooctadecane 238 % 63.6-154

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Fax To: (575) 397-0397

Received: 05/16/2014 Sampling Date: 05/14/2014

Reported: 05/27/2014 Sampling Type: Soil

Project Name: CYPRESS 28 FED #3H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: RAWHIDE RD

Sample ID: SP 2 @ 2' (H401509-07)

Result 1.11 17.0	Reporting Limit 0.200	Analyzed 05/21/2014	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
	0.200	05/21/2014						
17.0		, ,	ND	2.27	114	2.00	2.21	
	0.200	05/21/2014	ND	2.23	112	2.00	1.54	
20.8	0.200	05/21/2014	ND	2.13	107	2.00	1.16	
77.6	0.600	05/21/2014	ND	6.73	112	6.00	0.527	
116	1.20	05/21/2014	ND					
461 9	% 89.4-12	6						
mg/	kg	Analyzed By: AP						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
320	16.0	05/22/2014	ND	416	104	400	3.92	
mg/	kg	Analyze	d By: MS					S-04
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
1740	10.0	05/23/2014	ND	201	101	200	7.89	
8590	10.0	05/23/2014	ND	224	112	200	10.1	
	116 461 9 mg/ Result 320 mg/ Result 1740	116 1.20 461 % 89.4-12 mg/kg Result Reporting Limit 320 16.0 mg/kg Result Reporting Limit 1740 10.0	116 1.20 05/21/2014 461 % 89.4-126 mg/ky Analyze Result Reporting Limit Analyzed 320 16.0 05/22/2014 mg/ky Analyze Result Reporting Limit Analyzed 1740 10.0 05/23/2014	116 1.20 05/21/2014 ND 461 % 89.4-126 mg/kg Analyzed By: AP Result Reporting Limit Analyzed Method Blank 320 16.0 05/22/2014 ND mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank 1740 10.0 05/23/2014 ND	116 1.20 05/21/2014 ND 461 % 89.4-126 mg/kg Analyzed By: AP Result Reporting Limit Analyzed Method Blank BS 320 16.0 05/22/2014 ND 416 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS 1740 10.0 05/23/2014 ND 201	116 1.20 05/21/2014 ND 461 % 89.4-126 mg/ky Analyzed By: AP Result Reporting Limit Analyzed Method Blank BS % Recovery 320 16.0 05/22/2014 ND 416 104 mg/ky Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery 1740 10.0 05/23/2014 ND 201 101	116 1.20 05/21/2014 ND 461 % 89.4-126 mg/kg Analyzed By: AP Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 320 16.0 05/22/2014 ND 416 104 400 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 1740 10.0 05/23/2014 ND 201 101 200	116 1.20 05/21/2014 ND 461 % 89.4-126 mg/kg Analyzed By: AP Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 320 16.0 05/22/2014 ND 416 104 400 3.92 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 1740 10.0 05/23/2014 ND 201 101 200 7.89

Surrogate: 1-Chlorooctadecane 233 % 63.6-154

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Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 05/16/2014 Sampling Date: 05/14/2014

Reported: 05/27/2014 Sampling Type: Soil

Project Name: CYPRESS 28 FED #3H Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: **RAWHIDE RD**

Sample ID: SP 2 @ 3' (H401509-08)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.051	0.050	05/21/2014	ND	2.27	114	2.00	2.21	
Toluene*	1.22	0.050	05/21/2014	ND	2.23	112	2.00	1.54	
Ethylbenzene*	2.83	0.050	05/21/2014	ND	2.13	107	2.00	1.16	
Total Xylenes*	9.49	0.150	05/21/2014	ND	6.73	112	6.00	0.527	
Total BTEX	13.6	0.300	05/21/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.6	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	05/22/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
	308	10.0	05/23/2014	ND	201	101	200	7.89	
GRO C6-C10									

171 % 63.6-154 Surrogate: 1-Chlorooctadecane

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BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 05/16/2014 Sampling Date: 05/14/2014

Reported: 05/27/2014 Sampling Type: Soil

Project Name: CYPRESS 28 FED #3H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: RAWHIDE RD

Sample ID: SP 2 @ 4' (H401509-09)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2014	ND	2.27	114	2.00	2.21	
Toluene*	0.092	0.050	05/21/2014	ND	2.23	112	2.00	1.54	
Ethylbenzene*	0.279	0.050	05/21/2014	ND	2.13	107	2.00	1.16	
Total Xylenes*	0.864	0.150	05/21/2014	ND	6.73	112	6.00	0.527	
Total BTEX	1.24	0.300	05/21/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	167	% 89.4-12	6						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	05/22/2014	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	35.0	10.0	05/23/2014	ND	201	101	200	7.89	
DRO >C10-C28	1440	10.0	05/23/2014	ND	224	112	200	10.1	
Surrogate: 1-Chlorooctane	110 9	% 65.2-14	0						

Surrogate: 1-Chlorooctadecane 126 % 63.6-154

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Fax To: (575) 397-0397

Received: 05/16/2014 Sampling Date: 05/14/2014

Reported: 05/27/2014 Sampling Type: Soil

Project Name: CYPRESS 28 FED #3H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: RAWHIDE RD

Sample ID: SP 2 @ 5' (H401509-10)

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	05/21/2014	ND	2.27	114	2.00	2.21	
Toluene*	0.080	0.050	05/21/2014	ND	2.23	112	2.00	1.54	
Ethylbenzene*	0.115	0.050	05/21/2014	ND	2.13	107	2.00	1.16	
Total Xylenes*	0.616	0.150	05/21/2014	ND	6.73	112	6.00	0.527	
Total BTEX	0.810	0.300	05/21/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/22/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	10.0	10.0	05/23/2014	ND	201	101	200	7.89	
DRO >C10-C28	23.3	10.0	05/23/2014	ND	224	112	200	10.1	
Surrogate: 1-Chlorooctane	103 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	100 9	% 63.6-15	4						

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Fax To: (575) 397-0397

Received: 05/16/2014 Sampling Date: 05/15/2014

Reported: 05/27/2014 Sampling Type: Soil

Project Name: CYPRESS 28 FED #3H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: RAWHIDE RD

Sample ID: SP 3 @ 1' (H401509-11)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.57	1.00	05/22/2014	ND	2.27	114	2.00	2.21	
Toluene*	46.8	1.00	05/22/2014	ND	2.23	112	2.00	1.54	
Ethylbenzene*	62.5	1.00	05/22/2014	ND	2.13	107	2.00	1.16	
Total Xylenes*	301	3.00	05/22/2014	ND	6.73	112	6.00	0.527	
Total BTEX	412	6.00	05/22/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 89.4-12	6						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/22/2014	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	10000	100	05/23/2014	ND	201	101	200	7.89	
DRO >C10-C28	50500	100	05/23/2014	ND	224	112	200	10.1	
Surrogate: 1-Chlorooctane	733								

Surrogate: 1-Chlorooctadecane 1290 % 63.6-154

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Fax To: (575) 397-0397

Received: 05/16/2014 Sampling Date: 05/15/2014

Reported: 05/27/2014 Sampling Type: Soil

Project Name: CYPRESS 28 FED #3H Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: **RAWHIDE RD**

Sample ID: SP 3 @ 2' (H401509-12)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.15	1.00	05/22/2014	ND	2.27	114	2.00	2.21	
Toluene*	48.6	1.00	05/22/2014	ND	2.23	112	2.00	1.54	
Ethylbenzene*	54.5	1.00	05/22/2014	ND	2.13	107	2.00	1.16	
Total Xylenes*	261	3.00	05/22/2014	ND	6.73	112	6.00	0.527	
Total BTEX	367	6.00	05/22/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 89.4-12	6						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/22/2014	ND	416	104	400	3.92	
TPH 8015M	mg,	'kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	8750	50.0	05/23/2014	ND	201	101	200	7.89	
DRO >C10-C28	42700	50.0	05/23/2014	ND	224	112	200	10.1	
Surrogate: 1-Chlorooctane	627	% 65.2-14	0						

1160 % 63.6-154 Surrogate: 1-Chlorooctadecane

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Fax To: (575) 397-0397

Received: 05/16/2014 Sampling Date: 05/15/2014

Reported: 05/27/2014 Sampling Type: Soil

Project Name: CYPRESS 28 FED #3H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: RAWHIDE RD

Sample ID: SP 3 @ 3' (H401509-13)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	05/22/2014	ND	2.27	114	2.00	2.21	
Toluene*	26.3	1.00	05/22/2014	ND	2.23	112	2.00	1.54	
Ethylbenzene*	32.8	1.00	05/22/2014	ND	2.13	107	2.00	1.16	
Total Xylenes*	153	3.00	05/22/2014	ND	6.73	112	6.00	0.527	
Total BTEX	212	6.00	05/22/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 89.4-12	6						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/22/2014	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	4520	50.0	05/23/2014	ND	201	101	200	7.89	
DRO >C10-C28	22200	50.0	05/23/2014	ND	224	112	200	10.1	
Surrogate: 1-Chlorooctane	286	% 65.2-14	0						

Surrogate: 1-Chlorooctadecane 554 % 63.6-154

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Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 05/16/2014 Sampling Date: 05/15/2014

Reported: 05/27/2014 Sampling Type: Soil

Project Name: CYPRESS 28 FED #3H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: RAWHIDE RD

Sample ID: SP 3 @ 4' (H401509-14)

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	05/22/2014	ND	2.27	114	2.00	2.21	
Toluene*	<0.050	0.050	05/22/2014	ND	2.23	112	2.00	1.54	
Ethylbenzene*	0.071	0.050	05/22/2014	ND	2.13	107	2.00	1.16	
Total Xylenes*	0.274	0.150	05/22/2014	ND	6.73	112	6.00	0.527	
Total BTEX	0.345	0.300	05/22/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/22/2014	ND	400	100	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
GRO C6-C10	<10.0	10.0	05/23/2014	ND	201	101	200	7.89	
			05/23/2014	ND	224	112	200	10.1	

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Celey D. Keine

Surrogate: 1-Chlorooctadecane

103 %

63.6-154



BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 05/16/2014 Sampling Date: 05/15/2014

Reported: 05/27/2014 Sampling Type: Soil

Project Name: CYPRESS 28 FED #3H Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: **RAWHIDE RD**

Sample ID: SP 3 @ 5' (H401509-15)

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	05/22/2014	ND	2.27	114	2.00	2.21	
Toluene*	0.675	0.050	05/22/2014	ND	2.23	112	2.00	1.54	
Ethylbenzene*	0.648	0.050	05/22/2014	ND	2.13	107	2.00	1.16	
Total Xylenes*	3.98	0.150	05/22/2014	ND	6.73	112	6.00	0.527	
Total BTEX	5.30	0.300	05/22/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 89.4-12	6						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/22/2014	ND	400	100	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
GRO C6-C10	40.1	10.0	05/23/2014	ND	201	101	200	7.89	
DRO >C10-C28	73.2	10.0	05/23/2014	ND	224	112	200	10.1	
Surrogate: 1-Chlorooctane	98.8	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.0	% 63 6-15	14						

Surrogate: 1-Chlorooctadecane 91.0 % 63.6-154

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Notes and Definitions

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

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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(505) 393-2326 FAX (505) 393-2476	101 East Marland, Hobbs, NM 882	ARDINAL LABORATORIES		
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Company Name:	BBC International, Inc.		BIL	BILL TO				ANALYSIS RE	REQUEST
Project Manager: Cliff Brunson	Cliff Brunson	8	P.O.#:						
Address: P.O. Box 805	30x 805		Company:						
city: Hobbs	State: NM	Zip: 88241	Attn:	l					
Phone #: 575-397-6388	Fax #:	575-397-0397	Address:	200					
Project #:	Project Owner:	OXY	City:	8					
Project Name:	Cupress 20 Febr	, SH	State: Z	Zip:					
Project Location:	Rentide Rd		Phone #:	G					
Sampler Name:	WH Orneles		Fax #:			(<u> </u>		
FOR LAB USE ONLY		MATRIX	PRESERV.	SAMPLING		14	E		
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

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Sample Condition
Cool Intact
Yes Fes
No No

Sampler - UPS - Bus - Other: Delivered By: (Circle One) Relinquished By:

Time: Date:

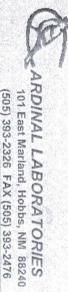
Beceived By:

Phone Result: Fax Result: REMARKS:

☐ Yes

□ No Add'I Phone #:
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Relinquished By:



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CANADA CONTRACTOR CONT	CHAIN-OF-CUSTOUT AND ANALYSIS REQUEST	

(202) 353-2320 FAA (202) 353-2470	0/				1
Company Name: BBC International, Inc.		BILL YO		ANALYSIS	S REQUEST
Project Manager: Cliff Brunson		P.O.#:			
Address: P.O. Box 805		Company:			
City: Hobbs State: NM	Zip: 88241	Attn: /			
5-397-6388 Fax #:	575-397-0397	Address: 9h			
Project #: Project Owner:	OXV	city:	0		
Project Name: CYPRSS 28 Foller	e/ 3H	State: Zip:			
Project Location: Rawhide Rd		Phone #:			
1		Fax #:		×	
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	ING	PH TE	
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PLEASE NOTE: Liability and Damages. Cardinat's liability and client's exclusive remedy for any claim aising whether based in contract or fort, shall be limited to the amount paid by the client for the analyses, All claims including those for negligance and any other cause whalsoever shall be determed waived unless made in writing and received by Cardinal within 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 orderlineshed-behavior and contractions of the provinces hereunder by Cardinal, reparties so whether such claim is based upon any of the above stated reasons or otherwise.	any claim arising whether based in contract or deemed waived unless made in writing and roughly without limitation, business interruptions, for gwithout limitation, business interruptions, for continuity reparalless of whether such claim is	ether based in contract or tort, shall be limited to the amount pates made in writing and received by Cardinal within 30 days at the sess made in writing and received by Cardinal within 30 days and pushess interruptions, loss of use, or loss of profits incurred by Justiness interruptions, loss of use, or loss of profits incurred with the second profit of the secon	aid by the client for the ter completion of the application of the application of the application of the completion of the complete of the com	ē	
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Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool Intact Types Types	ON CHECKED BY:			

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

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

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Revised October 10, 2003 ubmit 2 Copies to appropriate

Form C-141

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

Release Notification and Corrective Action

						OPERA	IUK		Initi	al Report	F:	inal Repor
Name of Co		Oxy Permia					CJ Summers					
Address 1 Facility Nan		tanolind Rd,				Telephone I		-8216				
racinty Nan	ne Cypr	ess 28 Feder	al #3H B	attery		Facility Typ	e Gathering					
Surface Own	ner BLN	Л		Mineral C)wner				API No	o. 30-015 - 38	287 (nea	rest well)
				LOCA	TIOI	N OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/\	West Line	County		
i	28	23S	29E							Eddy		
			I	atitude		Longitu	de					
				NAT	URE	OF RELI	EASE					
Type of Relea	se Oil a	nd Produced v	vater			Volume of	Release 40 bb	ls oil,	Volume I	Recovered 5	0 bbls	
Source of Rel	ease Inter	nal corrosion	on 2" stee	l transfer line off	the		duced water our of Occurrence	Α	Dota and	Hour of Disc		
back of skim t	ank					04/14/14		`	Date and	LIOUI OI DISC	verà	
Was Immedia	te Notice (NT- NT-		If YES, To						
		K	Y es	No 🗌 Not Re	quired	Mike Brate	her-NMOCD; Jer	nnifer V	an Curen-I	BLM		
		vis, BBC Inte	rnational			Date and H	our 04/14/14 @	2 3:39 p	nn		•	
Was a Waterc	ourse Reac		37 N			If YES, Vo	lume Impacting t	he Wate	ercourse.			
			Yes 🛚									
If a Watercour	rse was Imj	pacted, Descri	be Fully.*									
Describe Caus	e of Proble	em and Remed	lial Action	Taken.*								
Internal corros	sion on a 2'	' steel transfer	line off th	ne back of the skin	n tank e	aused 40 hbls	of oil and 20 bbl	ls of nro	duced wate	er to leak onto	the grou	and A
vacuum truck	recovered:	50 bbls of flui	ds and the	line was repaired	or repla	iced.	01 011 and 20 001	is or pre	radood wan	or to reak onk	the groc	iiid. A
Describe Area	Affaotad o	nd Cleanup A	ation Tale	~ *								
Describe Area	Affected	ina Cicanap A	ction rak	en, ·								
The affected a	rea is appro	oximately 30°	x 30° on lo	cation. Remedia	tion will	be performed	d in accordance w	ith a pl	an approve	d by NMOCI	and BL	М.
I hereby certifi	y that the is	aformation air	on abarra	is true and compl		_ l+£ 1	1 . 1		1.1 .	11.10	CD 1	
regulations all	operators a	are required to	report an	d/or file certain re	ete to tn lease no	e oest of my i tifications an	cnowieage and ur d nerform correct	ive acti	id that purs ons for rele	uant to NMO vases which m	JD rules	and
public health c	r the envir	onment, The	acceptance	e of a C-141 repor	rt by the	NMOCD ma	rked as "Final Re	eport" de	oes not reli	eve the operat	or of liab	hility
should their op	erations ha	ave failed to a	dequately	investigate and re	mediate	contamination	n that pose a thre	at to gre	ound water	. surface wate	r. human	n health
or the environi federal, state, o	nent. In ac or local law	s and/or regul	D accept	ance of a C-141 r	eport do	es not relieve	the operator of re	esponsil	bility for co	empliance wit	n any oth	ıer
,,		The state of the s	autonos.				OIL CONS	ERV	ATION	DIVISION		
c. (C)			OIL COIL	7.L	Z T T O T T	DIVIDIOI	<u> </u>	
Signature:	The same of the sa		THE PARTY OF THE P									
Printed Name:	Chance	y Summers			Α	approved by I	District Superviso	r:				
Γitle: HES S	Specialist					pproval Date		E	expiration I	Date:		
E-mail Address	s: Chanc	ey.Summers@	oxy.com		c	Conditions of	Approval:				_	
U	-15-1					-	2.1			Attached		
				ie: (575) 397-8210	5			<u> </u>		<u> </u>		
Attach Additio	onai Sheel	is ii inecessa	гу									