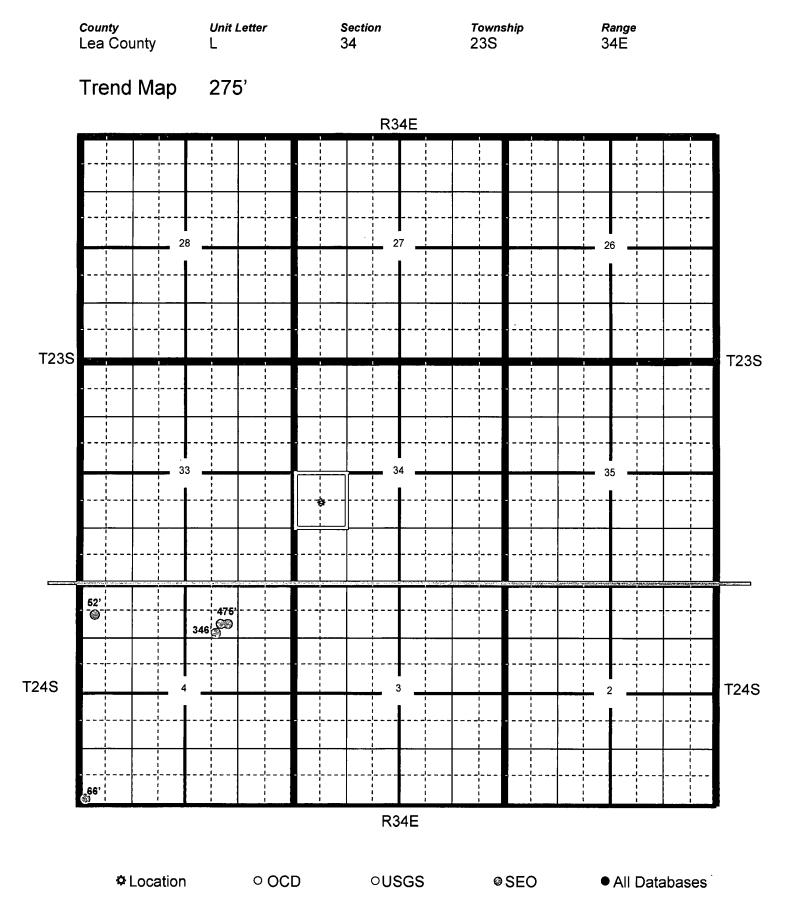


FEB 06 2014



Groundwater Plot

Oxy Antelope Ridge Compressor Btry





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Section Quarters

Oxy Antelope Ridge Compressor Btry

County Lea	<i>Unit Letter</i> L	Section 34	<i>Township</i> 23S	Range 34E	
Trend Map	275'				
	1			2	
NW/NW None	NE/N'	W	NW/NE	NE	(NE
Unit Letter D SW/NW	Unit Lette SE/N		Unit Letter B SW/NE		etter A NE
Unit Letter E	Unit Letter NE/SV		Unit Letter G NW/SE	Unit La NE	xter H SE
Unit Letter L SW/SW	Unit Letter		Unit Letter J SW/SE	Unit L SE	etter I /SE
Unit Letter M	Unit Letter	r N	Unit Letter O	Unit L	etter P

Laboratory Analytical Results Summary Antelope Ridge Battery

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		Sample	SP1'@1;	SP1@3'
Analyte	Method	Date	3/29/13	3/29/13
			🦗 mg/Kg 📡	mg/Kg
Chloride	SM4500CI-B		2060	3920

		Sample	SP2@1	SP2 @ 3'
Analyte	Method	Date	3/29/13	3/29/13
			mg/Kg 🕅	mg/Kg
Chloride	SM4500CI-B		1520	1150

		Sample	SP3 @ 1;	SP3 @ 3'	SP3 @ 6'	SP3 @ 8'.	SP3 @ 10
Analyte	Method	Date	3/29/13	3/29/13	4/9/13	4/9/13	4/9/13
Chloride	SM4500CI-B		1500	4320	1440	1250	1050

		Sample	SP4'@ 1'	SP4'@ 3'	SP4@4	* SP4 @ 6'	SP4@8';	SP4@10
Analyte	Method	Date	4/1/13	4/1/13	4/1/13	4/9/13	4/9/13	4/9/13
_	_		mg/Kg 💸	mg/Kg	mg/Kg 🖓	mg/Kg	🗸 mg/Kg 🐲	mg/Kg
Chloride	SM4500CI-B		2050	1340	1040	1420	1260	944

		Sample	SP5@1;	SP5@3'	SP5@4'	SP5@6'	SP5'@8'	SP5'@ 10'
Analyte	Method	Date	4/1/13	4/1/13	4/1/13	4/9/13	4/9/13	4/9/13
			mg/Kg	mg/Kg 🔮	mg/Kg 💸	mg/Kg	🖉 mg/Kg 🖓	mg/Kg 💈
Chloride	SM4500CI-B		2840	1250	1060	1140	992	832

		Sample	SP6'@1';	SP6 @ 3'	SP6 @ 4'	SP6 @ 6';	SP6 @ 8'	SP6 @ 10'
Analyte	Method	Date	4/1/13	4/1/13	4/1/13	4/9/13	4/9/13	4/9/13
			mg/Kg	mg/Kg 🎥	mg/Kg	mg/Kg	mg/Kg	™mg/Kg‰
Chloride	SM4500CI-B	Γ	2020	1380	960	1150	1040	768

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Laboratory Analytical Results Summary Antelope Ridge CTB

Soil Boring		Sample	SB1 @ 5	SB1@10"	SB1@15
Analyte	Method	Date	10/1/13	10/1/13	10/1/13
			mg/Kg E	mg/Kg	mg/Kg
Chloride	SM4500CI-B		992	368	224

Soil Boring		Sample	SB2 @ 12'	SB2@25	SB2 @ 35	SB2 @ 45'
Analyte	Method	Date	10/1/13	10/1/13	10/1/13	10/1/13
			mg/Kg	mg/Kg	mg/Kg	🧷 mg/Kg 😽
Chloride	SM4500CI-B		1960	656	592	192

Soil Boring		Sample	(SB3 @ 12)	SB3 @ 25	SB3 @ 35	SB3 @ 45	SB3 @ 55
Analyte	Method	Date	10/1/13	10/1/13	10/1/13	10/1/13	10/1/13
			🔬 mg/Kg 🖗	🦓 mg/Kg 🛬	mg/Kg 🖏	🦓 mg/Kg 👍	mg/Kg **
Chloride	SM4500CI-B		576	688	784	448	96



April 05, 2013

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

RE: ANTELOPE RIDGE COMP. BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 04/03/13 9:13.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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 accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accredited analytes are denoted by www.tceq.texas.gov/field/ga/lab accredited analytes are denoted by www.tceg.texas.gov/field/ga/lab accredited analytes are denoted by www.tceg.texas.gov/field/ga/lab accredited analytes are denoted by www.tceg.texas.gov/field/ga/lab accredited analytes are denoted by www.tceg.texas.gov/field/ga/lab accredited

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. Keine

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:	04/03/2013	Sampling Date:	03/29/2013
Reported:	04/05/2013	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE COMP. BATTERY	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 1' (H300784-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2060	16.0	04/04/2013	ND	432	108	400	0.00	

Sample ID: SP 1 @ 3' (H300784-02)

Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3920	16.0	04/04/2013	ND	432	108	400	0.00	

Sample ID: SP 2 @ 1' (H300784-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: DW					<u>-</u> -
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1520	16.0	04/04/2013	ND	432	108	400	0.00	

Sample ID: SP 2 @ 3' (H300784-04)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	04/04/2013	ND	432	108	400	0.00	

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Celey D.Keine

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:	04/03/2013	Sampling Date:	03/29/2013
Reported:	04/05/2013	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE COMP. BATTERY	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 1' (H300784-05)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1500	16.0	04/04/2013	ND	432	108	400	0.00	

Sample ID: SP 3 @ 3' (H300784-06)

Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4320	16.0	04/04/2013	ND	432	108	400	0.00	

Sample ID: SP 4 @ 1' (H300784-07)

Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2050	16.0	04/04/2013	ND	432	108	400	0.00	

Sample ID: SP 4 @ 3' (H300784-08)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1340	16.0	04/04/2013	ND	432	108	400	0.00	

Sample ID: SP 4 @ 4' (H300784-09)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	04/04/2013	ND	432	108	400	3.64	

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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:	04/03/2013	Sampling Date:	04/01/2013
Reported:	04/05/2013	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE COMP. BATTERY	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 5 @ 1' (H300784-10)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: DW			<u> </u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2840	16.0	04/04/2013	ND	432	108	400	3.64	

Sample ID: SP 5 @ 3' (H300784-11)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	04/04/2013	ND	432	108	400	3.64	

Sample ID: SP 5 @ 4' (H300784-12)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: DW					<u></u>
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1060	16.0	04/04/2013	ND	432	108	400	3.64	

Sample ID: SP 6 @ 1' (H300784-13)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2020	16.0	04/04/2013	ND	432	108	400	3.64	

Sample ID: SP 6 @ 3' (H300784-14)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1380	16.0	04/04/2013	ND	432	108	400	3.64	

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Celey D.Keine

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:	04/03/2013	Sampling Date:	04/01/2013
Reported:	04/05/2013	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE COMP. BATTERY	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 6 @ 4' (H300784-15)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	04/04/2013	ND	432	108	400	3.64	

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Page 5 of 8



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

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101 East Mariand, Hobbs, NM 88240

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Page 7 of

1 of 2 (505) 393-2326 FAX (505) 393-2476 Company Name: BBC International, Inc. ANALYSIS REQUEST Bas Project Manager: Cliff Brunson P.O. #: Address: P.O. Box 805 Company: zip: 88241 city: Hobbs State: NM Attn: Phone #: 575-397-6388 Fax #: 575-397-0397 Address: Project #: ANTELDUP OXY Project Owner: City: Batt Comis Project Name: ÜF State: Zip: Phone #: Project Location: HERNandez \mathbf{C} Rogen Sampler Name: Fax #: PRESERV. SAMPLING MATRIX FOR LAB USE ONLY WASTEWATER SOIL 0 Lab I.D. Sample I.D. (G)RAB OR GROUNDW ACID/BASE ICE / COOI CONTAIN SLUDGE OTHER DTHER H30078 7 DATE TIME 230 V Ľ V Ũ e 9 Q V

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

ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc. P.O. #: troject Manager: Cliff Brunson P.O. #: uddress: P.O. Box 805 Company: ity: Hobbs State: NM Zip: 88241 whone #: 575-397-6388 Fax #: 575-397-0397 Address: SAME troject #: Project Owner: D/Y City: City: troject Isame: Autilope Cidgt: Gmp. BacH State: Zip: troject Location: Phone #: Fax #:												ļ.
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ASE NOTE: Ligbilly and Damages. Cardinal's inability and cliant's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client to types. And takes for negligence and any other cause whatsoever shall be deemed waived unless made in writing and neeved by Cardinal's limited by the client to the total cardinal total cardinal's limited any other cause whatsoever shall be deemed waived unless made in writing and neeved by Cardinal's limit any other cause whatsoever shall be deemed waived unless made in writing and neeved by Cardinal's limit any other cause whatsoever shall be deemed waived unless made in writing and neeved by Cardinal's linear by grint in this and days after completion of tote. In one event shall Cardinal total on the cause whatsoever shall be deemed waived unless made in writing and neeved by Cardinal's lineared by grints its shall cardinal total on the limit of the angent. It is ableful that limitation, business interruptions, loss of use or loss of profiles lineared by grints its shall cardinal total on the limit of the angent linear total cardinal total on the limit of the angent lineare by cardinal within 30 days after completion of the shall be deemed waived unless made in writing and neeved by Cardinal within 30 days after completion of the shall be deemed waived unless made in writing and create the days after completion of the angent days after completion of th		·		•	-	<u> </u>	<u>.</u>	-		 '		<u> </u>
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

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Sampler - UPS - Bus - Other:

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Cool Intact

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Page 8 of



April 19, 2013

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

RE: ANTELOPE RIDGE COMP. BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 04/15/13 9:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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 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,

Celez D. Keine

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:	04/15/2013	Sampling Date:	04/09/2013
Reported:	04/19/2013	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE COMP. BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 6' (H300895-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	04/16/2013	ND	432	108	400	0.00	

Sample ID: SP 3 @ 8' (H300895-02)

Chloride, SM4500Cl-B mg/kg			Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	04/16/2013	ND	432	108	400	0.00	

Sample ID: SP 3 @ 10' (H300895-03)

Chloride, SM4500Cl-B mg/kg			Analyze	Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	ŔPD	Qualifier
Chloride	1020	16.0	04/16/2013	ND	432	108	400	0.00	

Sample ID: SP 4 @ 6' (H300895-04)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1420	16.0	04/16/2013	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine

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:	04/15/2013	Sampling Date:	04/09/2013
Reported:	04/19/2013	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE COMP. BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 4 @ 8' (H300895-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1260	16.0	04/17/2013	ND	432	108	400	0.00	

Sample ID: SP 4 @ 10' (H300895-06)

Chloride, SM4500Cl-B mg/kg			Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	04/17/2013	ND	432	108	400	0.00	

Sample ID: SP 5 @ 6' (H300895-07)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1140	16.0	04/17/2013	ND	432	108	400	0.00	

Sample ID: SP 5 @ 8' (H300895-08)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	04/17/2013	ND	432	108	400	0.00	

Sample ID: SP 5 @ 10' (H300895-09)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	04/17/2013	ND	432	108	400	0.00	

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Celey D.Kune

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:	04/15/2013	Sampling Date:	04/09/2013
Reported:	04/19/2013	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE COMP. BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 6 @ 6' (H300895-10)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: DW					······································
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	04/17/2013	ND	432	108	400	0.00	

Sample ID: SP 6 @ 8' (H300895-11)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: DW					··· · · · · · · · · · · · · · · · · ·
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	04/17/2013	ND	432	108	400	0.00	

Sample ID: SP 6 @ 10' (H300895-12)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	04/17/2013	ND	432	108	400	0.00	

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager

Page 4 of 7



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. Kune

Celey D. Keene, Lab Director/Quality Manager

Page 5 of 7

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(505) 393-2326 FAX (505) 393-2476 Company Name: BBC International, Inc.	, · ·		<u>1478 marka</u>				SIS RE		 ;т	, 	10/2	•
Project Manager: Cliff Brunson		P.O. #:	a							1. 1		Ľ
Address: P.O. Box 805		Сотрапу:		1				·				
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ddress: P.O. Box 805	Company:		 Construction 		
tity: Hobbs State: NM Zip: 88241	Attn:				
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Sampler - UPS - Bus - Other:

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

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Sample Condition Cool Intact Yes Yes Yes No No



October 04, 2013

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

Hobbs, NM 88241

RE: ANTELOPE RIDGE CTB

Enclosed are the results of analyses for samples received by the laboratory on 10/02/13 16:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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,

Celez D. Keine

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:	10/02/2013	Sampling Date:	10/01/2013
Reported:	10/04/2013	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SB 1 @ 5' (H302392-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GR					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chioride	992	16.0	10/03/2013	ND	416	104	400	0.00	

Sample ID: SB 1 @ 10' (H302392-02)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GR					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	10/03/2013	ND	416	104	400	0.00	

Sample ID: SB 1 @ 15' (H302392-03)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: GR					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	10/03/2013	ND	416	104	400	0.00	

Sample ID: SB 2 @ 12' (H302392-04)

Chloride, SM4500Cl-B	mg.	/kg	Analyze	d By: GR					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1960	16.0	10/03/2013	NÐ	416	104	400	0.00	

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Celey D. Keine

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:	10/02/2013	Sampling Date:	10/01/2013
Reported:	10/04/2013	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SB 2 @ 25' (H302392-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GR					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	10/03/2013	ND	416	104	400	0.00	

Sample ID: SB 2 @ 35' (H302392-06)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GR					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	10/03/2013	ND	416	104	400	0.00	

Sample ID: SB 2 @ 45' (H302392-07)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GR					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	10/03/2013	ND	416	104	400	0.00	

Sample ID: SB 3 @ 12' (H302392-08)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GR					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	10/03/2013	ND	416	104	400	0.00	

Sample ID: SB 3 @ 25' (H302392-09)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GR					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	10/03/2013	ND	416	104	400	0.00	

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Celey D. Kune

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:	10/02/2013	Sampling Date:	10/01/2013
Reported:	10/04/2013	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SB 3 @ 35' (H302392-10)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GR					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	10/03/2013	ND	416	104	400	0.00	

Sample ID: SB 3 @ 45' (H302392-11)

Chloride, SM4500Cl-B	mg.	/kg	Analyze	d By: GR					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	10/03/2013	ND	416	104	400	0.00	

Sample ID: SB 3 @ 55' (H302392-12)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GR					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/03/2013	ND	416	104	400	0.00	

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Celey D. Keine

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 $6^{\circ}C$ Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D.Kune

Celey D. Keene, Lab Director/Quality Manager

Page 5 of 7

RDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

435

101 East Marland, Hobbs, NM 88240

	(505) 393-2326 FAX (505) 393-247	6							•								. 1				<u> 1 14</u>
Company Name:	BBC International, Inc.				•		B	[4#fic]						ANA	LYSI	S RE	EQUE	ST			-0
Project Manager	Cliff Brunson					Р.	0. #:		•							r	1.				
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city: Hobbs	State: NM	Zip:	882	41	_	At	tn:								· ·						
Phone #: 575-3	97-6388 Fax #: 575	-397-0)397	7		Ac	ddress:	SAM	E						1.1	ļ .					
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Project Name:	Aritelope Riologe CTB		,			St	ate:	Zip:												. •	
Project Location	T T					PI	none #:												. •		
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FOR LAB USE ONLY			F	MA	TRIX		PRESERV	SAMPL	ING	19.											
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affiliates or successors arisin Relinguished By	g out of or related to the performance of services hereunder by (Date:	Cardinal, reg			such clak	m is bas	sed upon any of t	he above stated re	Phone Re		ΠYe	s 🗆	No	Add'i	Phone	#:					
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6 Sample Condition Cool Intact

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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-24/4

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Kg man mantage Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 7 of

RDINAL LABORATORIES 101 East Mariand, Hobbs, NM 88240

	101 East Mariand, Hobbs, NM 88 (505) 393-2326 FAX (505) 393-243								·								•••••		*			1.
	BBC International, Inc.		- 1				s je slje S de slje								ANA	LYS	S RE	EQUE	ST			- Contraction
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city: Hobbs	State: NM	Zip:	88	3241		A	ttn:		_		1											
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service. In no event shall Cardinal be liable for incidental ar consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by cliant, its sub

Relinquished By: /	Date:	Received By:	Phone Result:	□ Yes	D No	Add'I Phone #:
Auger forments	Time:	Ramon wonter q	Fax Result: REMARKS:	1 Yes	D No	Add'l Fax #:
Relinquished By:	90/2/15				. î	
Ranon montoy g	TH: 55	you senson		•	· · ·	•
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Sampler - UPS - Bus - Other:	5	2C Pres Pres				_ · · · · · ·

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

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

1220 5, 50 114	icis pr., Saina	110, 1414 07505	•	Sa	inta F	e, NM 875	05					side of joini	
			Rele	ease Notific	atio	n and Co	orrective A	ction					
						OPERATOR			Initial Report 🔲 Final Rep				
Name of Company Oxy Permian Ltd.					T	Contact CJ Summers						1 mar report	
Address 1017 W. Stanolind Rd, Hobbs, NM						Telephone No. (575) 397-8216							
Facility Name Antelope Ridge Compressor Battery						Facility Type Battery							
Surface Owner BLM Mineral Owner					wner				Lease N	No.			
LOCATION OF RELEASE													
Unit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County													
		•					1						
<u> </u>	34	238	34E		<u></u>	~		L		Lea			
Latitude <u>N 32:25809</u> ° Longitude <u>W 103.46365</u> °													
NATURE OF RELEASE													
	Type of Release Produced water						Release 70 bbl		Volume Recovered 50 bbls				
Source of Re	Source of Release Failure of manway gasket on heater treater						lour of Occurrenc	e 🗌	Date and Hour of Discovery				
Was Immedi	ate Notice G	iven?				03/14/2013							
		\boxtimes	Yes 🗌	No 🗌 Not Re	quired	Jennifer Va	an Curen-BLM ar	nd Geoffre	ey Leking	g-OCD			
By Whom?	Chancey S	ummers				Date and Hour 03/15/2013 @ 6:25 pm							
Was a Watercourse Reached?						If YES, Volume Impacting the Watercourse.							
0			Yes 🛛	No									
If a Watercon	urse was Imp	pacted, Descri	be Fully.*	•									
Describe Cause of Problem and Remedial Action Taken.*													
Failure of a manway gasket on a heater treater caused 70 bbls of produced water to leak onto the ground. 50 bbls of produced water were recovered via vacuum truck and the gasket was repaired.													
Describe Are	a Affected a	nd Cleanup A	ction Tak	en.*									
Failure of a manway gasket on a heater treater caused 70 bbls of produced water to leak onto the ground. 50 bbls of produced water were recovered via vacuum truck and the gasket was repaired. Remediation will be performed in accordance with an approved plan from NMOCD and the BLM.													
regulations al public health should their o	Il operators a or the enviro operations ha nment. In ac	are required to onment. The ive failed to a Idition, NMO	o report an acceptanc dequately GD accept	is true and compl d/or file certain re- e of a C-141 repo investigate and re- tance of a C-141 r	elease n rt by th emediat	otifications ar e NMOCD ma e contamination	nd perform correct arked as "Final Re on that pose a thre	tive action eport" doc eat to grou	ns for rele es not reli und water	eases which eve the oper , surface wa	may er ator of ter, hu	ndanger liability man health	
					OIL CONSERVATION DIVISION								
Signature				2									
					Approved by District Supervisor:								
Title: HES	Title: HES Specialist					Approval Date: Expiration I			Date:				
E-mail Address: Chancey Summers@oxy.com						Conditions of Approval:				Attached			
Date: 7- Attach Addit	tional Shee			ne: (575) 397-821	6				<u>-</u>				