



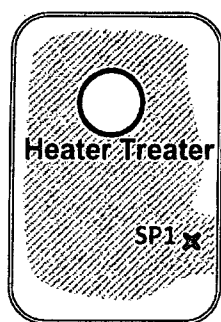
Oxy  
Antelope Ridge Compressor Battery

HOBBS OCD

JAN 31 2014

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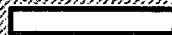
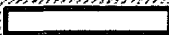
*approved*  
*Jeffrey Yelins*  
Environmental Specialist  
NMOC-DIST 1  
2/03/14



Heater Treater

SP1

Berm



Concrete Slabs

SB3

SP5

SP6

Leak Area



Vessels

SP4



Concrete Slabs

140'

SB2

SP2

SP3

SB1



Stake

120'

U/L L, Section 34, T23S, R34E  
Lea County, NM  
N 32.25809° W 103.46365°

BBC International, Inc.

Oxy

Antelope Ridge Compressor Battery

Date: 03/27/2013

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2013

FEB 06 2014



# Groundwater Plot

## Oxy Antelope Ridge Compressor Btry

County  
Lea County

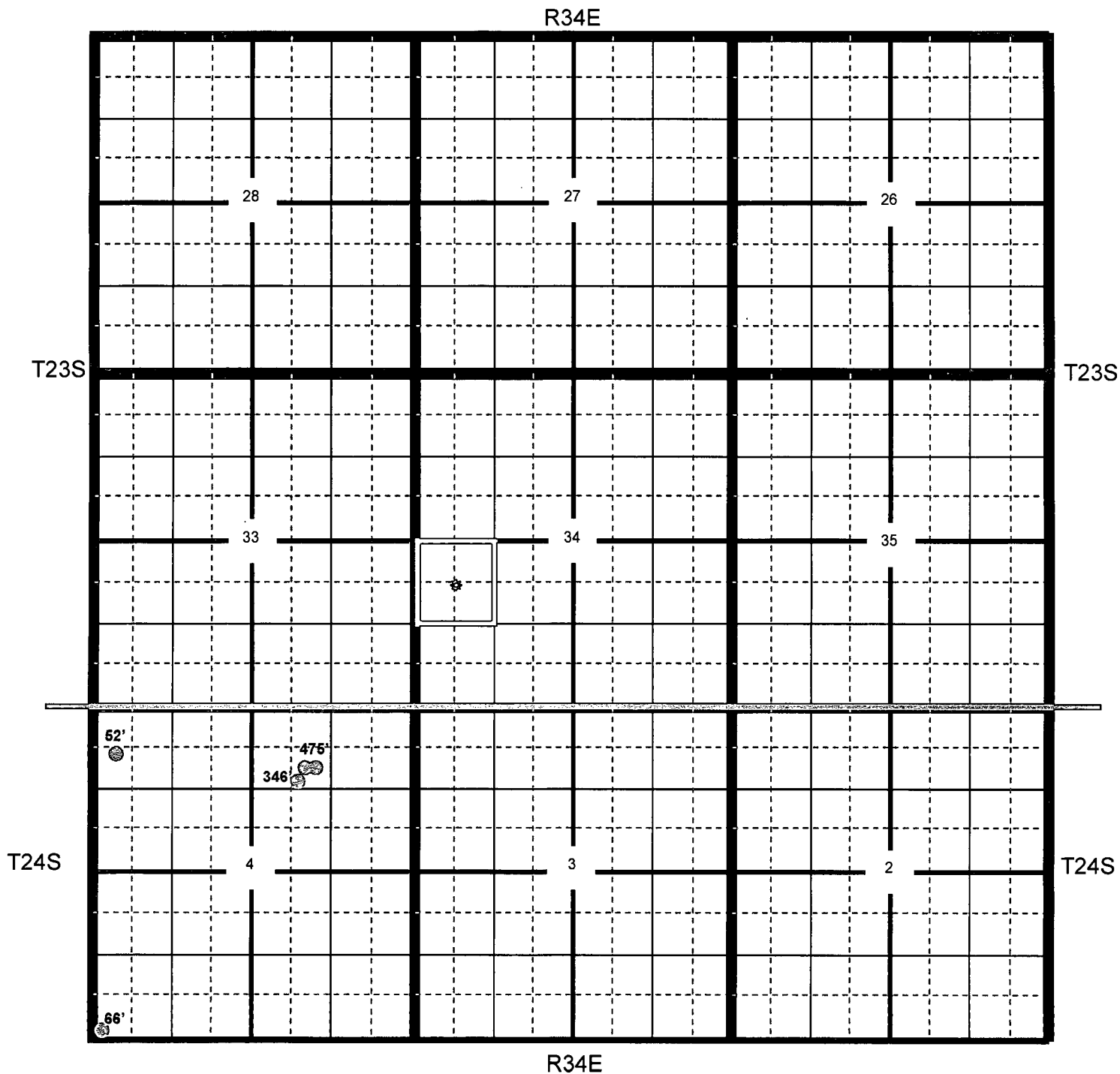
Unit Letter  
L

Section  
34

Township  
23S

Range  
34E

Trend Map 275'





# Section Quarters


## Oxy Antelope Ridge Compressor Btry

County      Unit Letter      Section      Township      Range  
Lea      L      34      23S      34E

Trend Map    275'

1

2

NW/NW None	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  
Antelope Ridge Battery**

		Sample	SP1 @ 1'	SP1 @ 3'
Analyte	Method	Date	3/29/13	3/29/13
			mg/Kg	mg/Kg
<b>Chloride</b>	SM4500Cl-B		<b>2060</b>	<b>3920</b>

		Sample	SP2 @ 1'	SP2 @ 3'
Analyte	Method	Date	3/29/13	3/29/13
			mg/Kg	mg/Kg
<b>Chloride</b>	SM4500Cl-B		<b>1520</b>	<b>1150</b>

		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
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Chloride</b>	SM4500Cl-B		<b>1500</b>	<b>4320</b>	<b>1440</b>	<b>1250</b>	<b>1050</b>

		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
<b>Chloride</b>	SM4500Cl-B		<b>2050</b>	<b>1340</b>	<b>1040</b>	<b>1420</b>	<b>1260</b>	<b>944</b>

		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
<b>Chloride</b>	SM4500Cl-B		<b>2840</b>	<b>1250</b>	<b>1060</b>	<b>1140</b>	<b>992</b>	<b>832</b>

		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
<b>Chloride</b>	SM4500Cl-B		<b>2020</b>	<b>1380</b>	<b>960</b>	<b>1150</b>	<b>1040</b>	<b>768</b>

**Laboratory Analytical Results Summary  
Antelope Ridge CTB**

<i>Soil Boring</i>		<b>Sample</b>	<b>SB1 @ 5'</b>	<b>SB1 @ 10'</b>	<b>SB1 @ 15'</b>
<b>Analyte</b>	<b>Method</b>	<b>Date</b>	10/1/13	10/1/13	10/1/13
			mg/Kg	mg/Kg	mg/Kg
<b>Chloride</b>	SM4500Cl-B		<b>992</b>	<b>368</b>	<b>224</b>

<i>Soil Boring</i>		<b>Sample</b>	<b>SB2 @ 12'</b>	<b>SB2 @ 25'</b>	<b>SB2 @ 35'</b>	<b>SB2 @ 45'</b>
<b>Analyte</b>	<b>Method</b>	<b>Date</b>	10/1/13	10/1/13	10/1/13	10/1/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Chloride</b>	SM4500Cl-B		<b>1960</b>	<b>656</b>	<b>592</b>	<b>192</b>

<i>Soil Boring</i>		<b>Sample</b>	<b>SB3 @ 12'</b>	<b>SB3 @ 25'</b>	<b>SB3 @ 35'</b>	<b>SB3 @ 45'</b>	<b>SB3 @ 55'</b>
<b>Analyte</b>	<b>Method</b>	<b>Date</b>	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
<b>Chloride</b>	SM4500Cl-B		<b>576</b>	<b>688</b>	<b>784</b>	<b>448</b>	<b>96</b>

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/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

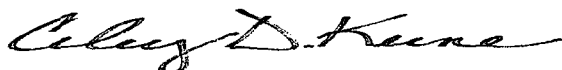
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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,



Caley 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:	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		Analyzed 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		Analyzed 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		Analyzed By: DW					
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	

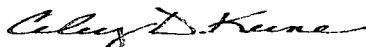
**Sample ID: SP 2 @ 3' (H300784-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed 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		

Cardinal Laboratories

\*=Accredited Analyte

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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:	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	Analyzed 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, SM4500Cl-B		mg/kg	Analyzed 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	Analyzed 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	Analyzed 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	

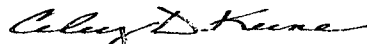
**Sample ID: SP 4 @ 4' (H300784-09)**

Chloride, SM4500Cl-B		mg/kg	Analyzed 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	

Cardinal Laboratories

\*=Accredited Analyte

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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:	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		Analyzed By: DW					
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		Analyzed 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		Analyzed By: DW					
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		Analyzed 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	

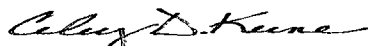
**Sample ID: SP 6 @ 3' (H300784-14)**

Chloride, SM4500Cl-B		mg/kg		Analyzed 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	

Cardinal Laboratories

\*=Accredited Analyte

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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:	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		

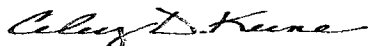
**Sample ID: SP 6 @ 4' (H300784-15)**

Chloride, SM4500Cl-B		mg/kg		Analyzed 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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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

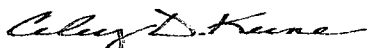
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



1 of 2

#26



## Page 8 of 8

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Relinquished By: <i>PSHS</i>		Date: <i>9.3.13</i>	Received By: <i>Jodi Newson</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Time: <i>9:13</i>				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:		Date:	Received By:	REMARKS:	
		Time:			
Delivered By: (Circle One)			Sample Condition	CHECKED BY:	
Sampler - UPS - Bus - Other:			Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	(Initials) <i>PSHS</i>	

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

A 26

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

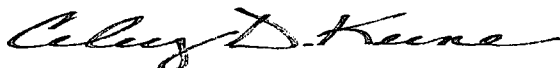
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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,



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:	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		Analyzed 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		Analyzed 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		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	04/16/2013	ND	432	108	400	0.00	

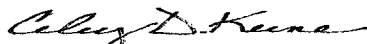
**Sample ID: SP 4 @ 6' (H300895-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed 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. 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:	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		Analyzed 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		Analyzed 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		Analyzed 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		Analyzed 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	

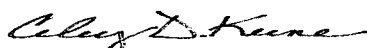
**Sample ID: SP 5 @ 10' (H300895-09)**

Chloride, SM4500Cl-B		mg/kg		Analyzed 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. 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:	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		Analyzed 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		Analyzed 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	

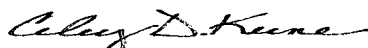
**Sample ID: SP 6 @ 10' (H300895-12)**

Chloride, SM4500Cl-B		mg/kg		Analyzed 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. Keene, Lab Director/Quality Manager

**Notes and Definitions**

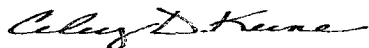
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

---

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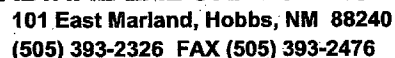
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Celey D. Keene, Lab Director/Quality Manager



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#54



2 of 2

CHLDRIDE

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Relinquished By: <i>PSA</i>		Date: <i>4-15-13</i>	Received By: <i>Jodi Newson</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
		Time: <i>9:40</i>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:		Date:	Received By:	REMARKS:	
		Time:			
Delivered By: (Circle One)			Sample Condition	CHECKED BY:	
Sampler - UPS - Bus - Other:			Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	(Initials)	
			<i>16°C</i> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	<i>EA</i>	

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

# 54



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

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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/qa/lab\\_accred\\_certif.html](http://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". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

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:	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		Analyzed By: GR					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	10/03/2013	ND	416	104	400	0.00	

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

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

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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:	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		Analyzed 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		Analyzed 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		Analyzed 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		Analyzed 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	

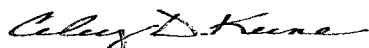
**Sample ID: SB 3 @ 25' (H302392-09)**

Chloride, SM4500Cl-B		mg/kg		Analyzed 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. 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:	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		Analyzed 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		Analyzed 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	

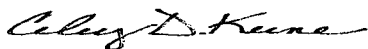
**Sample ID: SB 3 @ 55' (H302392-12)**

Chloride, SM4500Cl-B		mg/kg		Analyzed 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. Keene, Lab Director/Quality Manager



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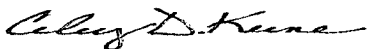
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

---

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Celey D. Keene, Lab Director/Quality Manager



## Page 6 of 7

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Relinquished By: 	Date: 10-2-13 Time:	Received By: Ramon Montoya	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No REMARKS:
Relinquished By: Ramon Montoya	Date: 10/2/13 Time: 4:55	Received By: Godi Benson	Add'l Phone #: Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	5.20	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: (Initials) 

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# **CARDINAL LABORATORIES**

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

## **CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

2 of 2

Company Name: BBC International, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>													
Project Manager: Cliff Brunson				P.O. #:																	
Address: P.O. Box 805				Company:																	
City: Hobbs		State: NM Zip: 88241		Attn:																	
Phone #: 575-397-6388		Fax #: 575-397-0397		Address: SAME																	
Project #:		Project Owner: OXY		City:																	
Project Name: AR CTB				State: Zip:																	
Project Location:				Phone #:																	
Sampler Name: Roger Hernandez				Fax #:																	
FOR LAB USE ONLY				MATRIX		PRESERV		SAMPLING		CHLORIDE											
Lab I.D.		Sample I.D.																			
H302392																					
11		SB 3 @ 45		GIRAB OR (COMP. # CONTAINERS)																	
12		55		GROUNDWATER																	
				WASTEWATER																	
				SOIL																	
				OIL																	
				SLUDGE																	
				OTHER:																	
				ACID/BASE:																	
				ICE / COOL																	
				OTHER:																	
				DATE		TIME															
				10-1-13		418															
				10-1-13		440															

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Relinquished By: <i>Roger Hernandez</i>		Date: _____	Received By: <i>Ramon Montoya</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
		Time: _____			Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By: <i>Ramon Montoya</i>		Date: 10/1/15	Received By: <i>Jodi Benson</i>		REMARKS:			
		Time: 4:55						
Delivered By: (Circle One)								
Sampler - UPS - Bus - Other: _____		5.2°C	Sample Condition		CHECKED BY: <i>[Signature]</i>			
			Cool Intact					
			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					

† 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

Form C-141  
Revised October 10, 2003

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

### Release Notification and Corrective Action

#### OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Oxy Permian Ltd.	Contact	CJ Summers
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	
		Lease No.	

#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	34	23S	34E					Lea

Latitude N 32.25809° Longitude W 103.46365°

#### NATURE OF RELEASE

Type of Release	Produced water	Volume of Release	70 bbls.	Volume Recovered	50 bbls
Source of Release	Failure of manway gasket on heater treater	Date and Hour of Occurrence	03/14/2013	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?	Jennifer Van Curen-BLM and Geoffrey Leking-OCD		
By Whom?	Chancey Summers	Date and Hour	03/15/2013 @ 6:25 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.\*


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 Area Affected and Cleanup 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. Remediation will be performed in accordance with an approved plan from 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: 	Approved by District Supervisor:		
Printed Name: Chancey Summers			
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 3-27-13	Phone: (575) 397-8216		

\* Attach Additional Sheets If Necessary