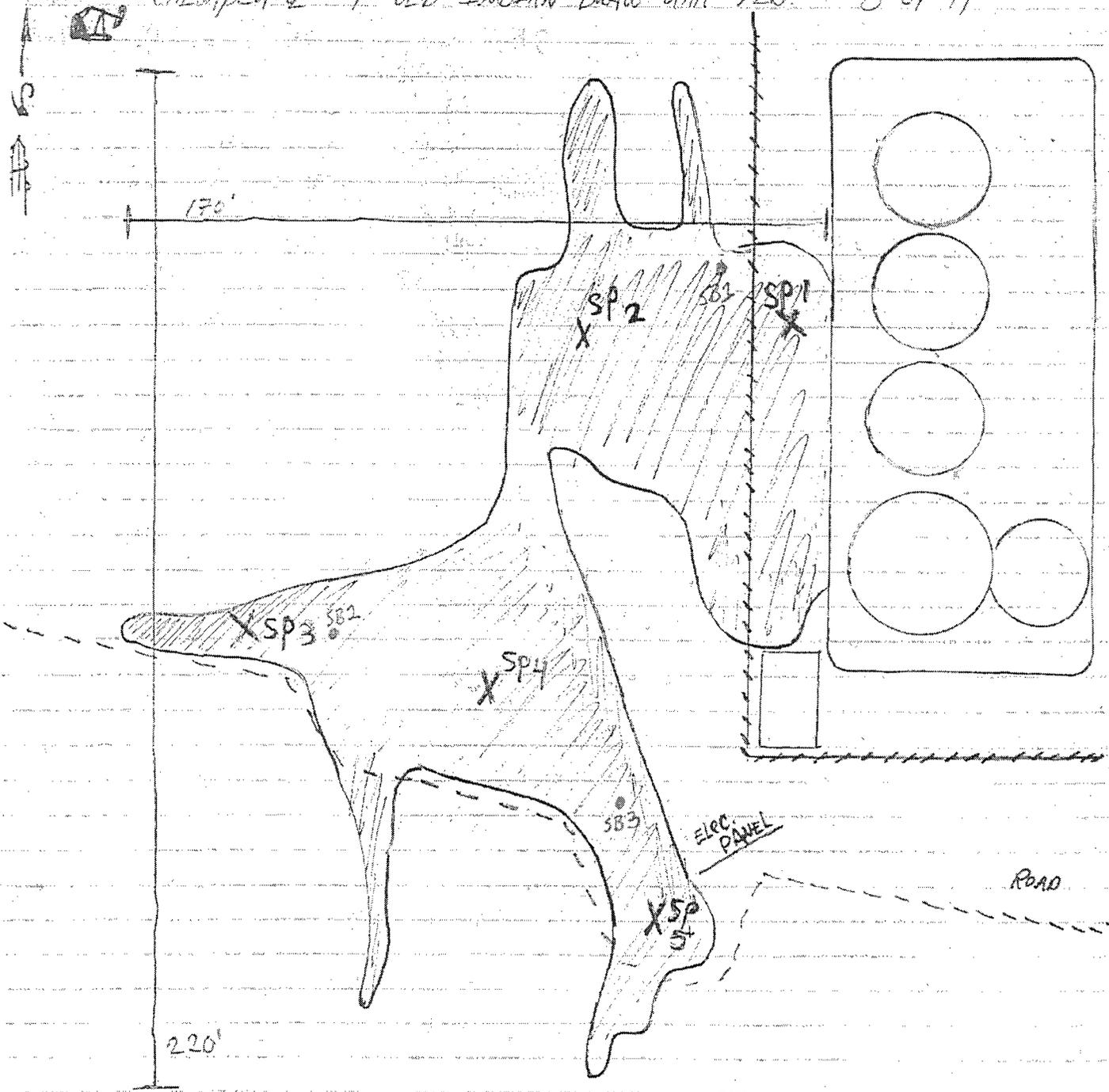


CHESAPEAKE / OLD INDIAN DRAW Unit FEO. 3-01-11



		<u>CL-</u>	
Sp. 1 @ Surface	OVER 10,000	Sp 2 @ Surface	OVER 10,000
@ 6"	OVER 10,000	@ 6"	
@ 1'	OVER 10,000	@ 1'	2200
@ 2'	9600	@ 2'	3800
@ 3'	9600	* Too hard for BH.	
@ 4'	6000		
@ 5'	7600		
@ 6'	7600		
* Too hard for BH	BH		



March 21, 2011

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

RE: OLD INDIAN DRAW UNIT FED.

Enclosed are the results of analyses for samples received by the laboratory on 03/15/11 15:00.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (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 'Hope S. Moreno'.

Hope Moreno
Inorganic Technical Director

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (505) 397-0397

Received:	03/15/2011	Sampling Date:	03/10/2011
Reported:	03/21/2011	Sampling Type:	Soil
Project Name:	OLD INDIAN DRAW UNIT FED.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	U.S. REFINERY RD.		

Sample ID: SB 1 @ 3' (H100502-01)

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2011	ND	1.97	98.6	2.00	6.01		
Toluene*	<0.050	0.050	03/18/2011	ND	2.05	103	2.00	4.73		
Ethylbenzene*	<0.050	0.050	03/18/2011	ND	2.12	106	2.00	4.69		
Total Xylenes*	<0.150	0.150	03/18/2011	ND	6.26	104	6.00	3.51		

Surrogate: 4-Bromofluorobenzene (PIL) 98.2% 70-130

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1390	16.0	03/17/2011	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/16/2011	ND	197	98.4	200	1.44		
DRO >C10-C28	11.4	10.0	03/16/2011	ND	216	108	200	0.185		

Surrogate: 1-Chlorooctane 112% 70-130

Surrogate: 1-Chlorooctadecane 113% 70-130

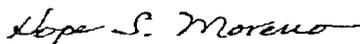
Sample ID: SB 1 @ 5' (H100502-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1760	16.0	03/17/2011	ND	400	100	400	0.00		

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Hope Moreno, Inorganic Technical Director

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (505) 397-0397

Received:	03/15/2011	Sampling Date:	03/10/2011
Reported:	03/21/2011	Sampling Type:	Soil
Project Name:	OLD INDIAN DRAW UNIT FED.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	U.S. REFINERY RD.		

Sample ID: SB 1 @ 10' (H100502-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	848	16.0	03/17/2011	ND	400	100	400	0.00		

Sample ID: SB 1 @ 15' (H100502-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	960	16.0	03/17/2011	ND	400	100	400	0.00		

Sample ID: SB 1 @ 20' (H100502-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	03/17/2011	ND	400	100	400	0.00		

Sample ID: SB 1 @ 25' (H100502-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1730	16.0	03/17/2011	ND	400	100	400	0.00		

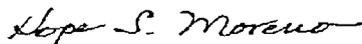
Sample ID: SB 1 @ 30' (H100502-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	190	16.0	03/17/2011	ND	400	100	400	0.00		

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*=Accredited Analyte

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Hope Moreno, Inorganic Technical Director

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (505) 397-0397

Received:	03/15/2011	Sampling Date:	03/10/2011
Reported:	03/21/2011	Sampling Type:	Soil
Project Name:	OLD INDIAN DRAW UNIT FED.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	U.S. REFINERY RD.		

Sample ID: SB 1 @ 35' (H100502-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/17/2011	ND	400	100	400	0.00		

Sample ID: SB 2 @ 3' (H100502-09)

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2011	ND	1.97	98.6	2.00	6.01		
Toluene*	<0.050	0.050	03/18/2011	ND	2.05	103	2.00	4.73		
Ethylbenzene*	<0.050	0.050	03/18/2011	ND	2.12	106	2.00	4.69		
Total Xylenes*	<0.150	0.150	03/18/2011	ND	6.26	104	6.00	3.51		

Surrogate: 4-Bromofluorobenzene (PIL) 98.2 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	03/17/2011	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CKJ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/16/2011	ND	197	98.4	200	1.44		
DRO >C10-C28	<10.0	10.0	03/16/2011	ND	216	108	200	0.185		

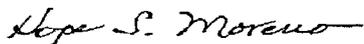
Surrogate: 1-Chlorooctane 111 % 70-130

Surrogate: 1-Chlorooctadecane 110 % 70-130

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Hope Moreno, Inorganic Technical Director

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (505) 397-0397

Received:	03/15/2011	Sampling Date:	03/10/2011
Reported:	03/21/2011	Sampling Type:	Soil
Project Name:	OLD INDIAN DRAW UNIT FED.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	U.S. REFINERY RD.		

Sample ID: SB 2 @ 5' (H100502-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	03/17/2011	ND	400	100	400	0.00		

Sample ID: SB 2 @ 10' (H100502-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	03/17/2011	ND	400	100	400	0.00		

Sample ID: SB 2 @ 15' (H100502-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	03/17/2011	ND	400	100	400	0.00		

Sample ID: SB 2 @ 20' (H100502-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	03/17/2011	ND	400	100	400	0.00		

Sample ID: SB 2 @ 25' (H100502-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/17/2011	ND	400	100	400	0.00		

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Analytical Results For:

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 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (505) 397-0397

Received:	03/15/2011	Sampling Date:	03/10/2011
Reported:	03/21/2011	Sampling Type:	Soil
Project Name:	OLD INDIAN DRAW UNIT FED.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	U.S. REFINERY RD.		

Sample ID: SB 2 @ 30' (H100502-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/17/2011	ND	400	100	400	0.00		

Sample ID: SB 3 @ 3' (H100502-16)

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2011	ND	1.97	98.6	2.00	6.01		
Toluene*	<0.050	0.050	03/18/2011	ND	2.05	103	2.00	4.73		
Ethylbenzene*	<0.050	0.050	03/18/2011	ND	2.12	106	2.00	4.69		
Total Xylenes*	<0.150	0.150	03/18/2011	ND	6.26	104	6.00	3.51		

Surrogate: 4-Bromofluorobenzene (PII) 108 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/17/2011	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CKJ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/16/2011	ND	197	98.4	200	1.44		
DRO >C10-C28	<10.0	10.0	03/16/2011	ND	216	108	200	0.185		

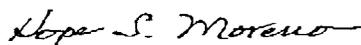
Surrogate: 1-Chlorooctane 116 % 70-130

Surrogate: 1-Chlorooctadecane 113 % 70-130

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Hope Moreno, Inorganic Technical Director

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (505) 397-0397

Received:	03/15/2011	Sampling Date:	03/10/2011
Reported:	03/21/2011	Sampling Type:	Soil
Project Name:	OLD INDIAN DRAW UNIT FED.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	U.S. REFINERY RD.		

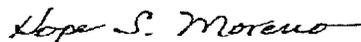
Sample ID: SB 3 @ 5' (H100502-17)

Chloride, SM4500Cl-B	mg/kg	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	03/17/2011	ND	400	100	400	0.00	

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Hope Moreno, Inorganic Technical Director

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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Hope S. Moreno

Hope Moreno, Inorganic Technical Director

