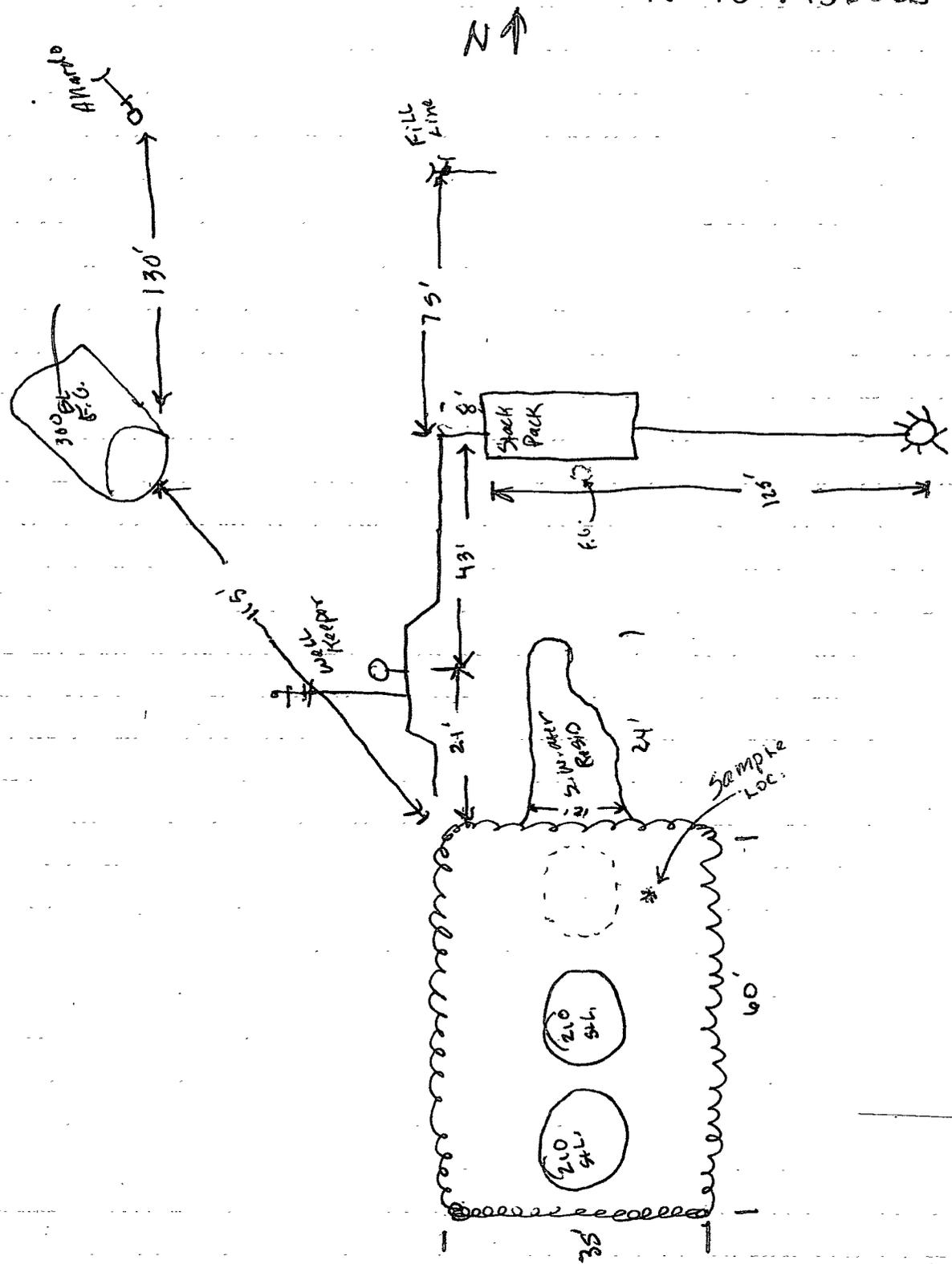


6/6/11
 0728 Remuda Basin Sta 25 State #1
 Unit 1 Sec. 25 - 23S - 29E
 State Lease # E5894 N 32, 288041
 W 103, 936333



June 14, 2011

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: REMUDA BASIN 25 STATE #1

Enclosed are the results of analyses for samples received by the laboratory on 06/09/11 9:32.

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,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 Basin Environmental Service
 BEN J. ARGUIJO
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	06/09/2011	Sampling Date:	06/08/2011
Reported:	06/14/2011	Sampling Type:	Soil
Project Name:	REMUDA BASIN 25 STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: HA 1 SURFACE (H101189-01)

Chloride, SM4500CI-B	mg/kg	Analyzed By: HM								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	17600	16.0	06/11/2011	ND	464	116	400	3.51		
TPH 8015M	mg/kg	Analyzed By: AB								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	39.4	10.0	06/14/2011	ND	216	108	200	1.49		
DRO >C10-C28	4960	10.0	06/14/2011	ND	203	102	200	7.13		
EXT DRO >C28-C35	<10.0	10.0	06/14/2011	ND						

Surrogate 1-Chlorooctane	134 %	70-130
Surrogate 1-Chlorooctadecane	148 %	70-130

Sample ID: HA 1 2' BGS (H101189-02)

Chloride, SM4500CI-B	mg/kg	Analyzed By: HM								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3200	16.0	06/11/2011	ND	464	116	400	3.51		

Sample ID: HA 1 4' BGS (H101189-03)

Chloride, SM4500CI-B	mg/kg	Analyzed By: HM								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	06/11/2011	ND	464	116	400	3.51		

Cardinal Laboratories

*=Accredited Analyte

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Celestine D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Basin Environmental Service
 BEN J. ARGUIJO
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	06/09/2011	Sampling Date:	06/08/2011
Reported:	06/14/2011	Sampling Type:	Soil
Project Name:	REMUDA BASIN 25 STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: HA 1 6' BGS (H101189-04)

Chloride, SM4500CI-B	mg/kg	Analyzed By: HM							
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Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	06/11/2011	ND	464	116	400	3.51	

TPH 8015M	mg/kg	Analyzed By: AB							
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Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/14/2011	ND	216	108	200	1.49	
DRO >C10-C28	<10.0	10.0	06/14/2011	ND	203	102	200	7.13	
EXT DRO >C28-C35	<10.0	10.0	06/14/2011	ND					

<i>Surrogate 1-Chlorooctane</i>	<i>121 %</i>	<i>70-130</i>
<i>Surrogate 1-Chlorooctadecane</i>	<i>128 %</i>	<i>70-130</i>

Sample ID: HA 1 8' BGS (H101189-05)

Chloride, SM4500CI-B	mg/kg	Analyzed By: HM							
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Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	06/11/2011	ND	464	116	400	3.51	

Sample ID: HA 1 10' BGS (H101189-06)

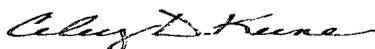
Chloride, SM4500CI-B	mg/kg	Analyzed By: HM							
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Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	06/11/2011	ND	464	116	400	3.51	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Basin Environmental Service
 BEN J. ARGUIJO
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	06/09/2011	Sampling Date:	06/08/2011
Reported:	06/14/2011	Sampling Type:	Soil
Project Name:	REMUDA BASIN 25 STATE #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: HA 1 12' BGS (H101189-07)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2011	ND	2.21	111	2.00	7.93		
Toluene*	<0.050	0.050	06/13/2011	ND	2.24	112	2.00	7.82		
Ethylbenzene*	<0.050	0.050	06/13/2011	ND	2.32	116	2.00	8.13		
Total Xylenes*	<0.150	0.150	06/13/2011	ND	6.54	109	6.00	8.53		

<i>Surrogate: Dibromofluoromethane</i>	<i>92.6 %</i>	<i>80-120</i>
<i>Surrogate Toluene-d8</i>	<i>98.5 %</i>	<i>80-120</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>106 %</i>	<i>80-120</i>

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	06/11/2011	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/14/2011	ND	216	108	200	1.49		
DRO >C10-C28	<10.0	10.0	06/14/2011	ND	203	102	200	7.13		
EXT DRO >C28-C35	<10.0	10.0	06/14/2011	ND						

<i>Surrogate 1-Chlorooctane</i>	<i>151 %</i>	<i>70-130</i>
<i>Surrogate 1-Chlorooctadecane</i>	<i>171 %</i>	<i>70-130</i>

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Celey D. Keene, Lab Director/Quality Manager

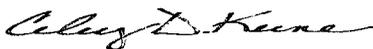
Notes and Definitions

- Z-01 One or more surrogates above historical limits.
- 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

