



NOT APPROVED

May 18, 2016

Attn: Fernando Ibarra
Chief Operating Officer
Raging Bull Oilfield Services
2007 Algerita Street
Carlsbad, NM 88220

RE: Scope of Work and Cost Estimate Soil Remediation: Trionyx 6 Fed 5H Produced Water Release Sec. 6 T23S S32E, Lea County, NM

Dear Mr. Ibarra,

R&A Technology (R&A) was ask to develop a work plan and quote for remediation using DeSalt for the Trionyx 6 Fed 5H site located in Lea County, New Mexico (approximately 32.15322°N, 103.71263°W), following a produced water release. Figure 1 is a site map depicting the area of release and soil sample locations. The affected area is in a Devon water line, Plains Pipeline, and a power line easement to the north of the Trionyx facility.

The following information is based on the information provided by Raging Bull and the samples analysis by Energy Labs.

Attached is an R&A Technology overview of work plan to complete the areas that still have high ESP% and other salt parameters. The treatment plan is based on an average ESP% of 49%, a CEC of 5 and 0.5 acres 3 feet deep.

Should you require additional information or have any questions regarding this overview and recommendation, please contact me directly, Rob Johnston (832) 244-3811.

Respectfully submitted,

R&A Technology, LLP

WORK PLAN:

1. Turn the soil to accept the amendment and hold the water.
2. Apply the 3000 gallons of DeSalt to the effected area at a diluted rate of 7:1
3. Flush the entire area with fresh water. Approximately 2,500 barrels.

Ground water is at 636 feet. There is no concern for ground water contamination at this level. There is no surface water within several miles of the site.

4. Take an initial soil sample to ensure complete flushing of bound salts.
5. Replant with BLM seed mix.
6. Post-treatment sampling of the site per NM OCD Requirements:
 - a. The first year the site will be sampled quarterly.
 - b. Depending on the results from the first year, sampling may continue on a quarterly or semi-annual basis for the second and third years.
 - c. After the three years of post-treatment monitoring, the site will be reviewed by NM OCD to determine if said site can be released.



ANALYTICAL SUMMARY REPORT

September 25, 2015

R and A Technology
18014 Isle Royale Ct
Humble, TX 77346

Work Order: T15090055 Quote ID: T2643

Project Name: Routine Salinity / Chlorides

Energy Laboratories Inc. College Station TX received the following 2 samples for R and A Technology on 9/11/2015 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
T15090055-001	Bag #1	09/04/15 0:00	09/11/15	Soil	E300.0 Chloride and Sulfate Saturated Paste Electrical Conductivity Exchangeable Sodium Percentage Exchangeable Cations Cations, Soluble Metals, CEC Extractable Metals, NH4Ac Extractable Saturated Paste pH CEC NH4AC Soil Extraction NH4OAC Soil Extraction Saturated Paste Sodium Adsorption Ratio in Soil Saturation Percentage Soil Preparation to 10 mesh Soil Sterilization - USDA Required
T15090055-002	Bag #2	09/04/15 0:00	09/11/15	Soil	Same As Above

The analyses presented in this report were performed by Energy Laboratories, Inc., 415 Graham Rd., College Station, TX 77845-9660, unless otherwise noted.

Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By:

Digitally signed by
Steve Suchar
Date: 2015.09.25 11:54:41 -05:00



LABORATORY ANALYTICAL REPORT

Prepared by College Station, TX Branch

Client: R and A Technology
Project: Routine Salinity / Chlorides
Lab ID: T15090055-001
Client Sample ID: Bag #1

Report Date: 09/25/15
Collection Date: 09/04/15
Date Received: 09/11/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
pH, Sat. Paste	7.4	s.u.		0.1		USDA21	09/17/15 10:50 / cjp
PHYSICAL PROPERTIES							
Cation Exchange Capacity (CEC)	3.7	meq/100g		0.1		E200.7	09/17/15 18:57 / jtr
SATURATED PASTE							
Saturation	24.3	%		0.1		USDA27a	09/17/15 16:29 / cjp
Conductivity, paste extract	49.6	mmhos/cm	E	0.1		USDA4	09/17/15 13:37 / wjk
Sodium Adsorption Ratio (SAR)	54.3	unitless		0.1		Calculation	09/25/15 10:36 / wjk
Calcium, sat. paste	140	meq/L	D	0.5		E200.7	09/22/15 11:09 / jtr
Magnesium, sat. paste	25.3	meq/L	D	0.8		E200.7	09/22/15 11:09 / jtr
Sodium, sat. paste	493	meq/L	D	0.4		E200.7	09/22/15 11:09 / jtr
Chloride, Soluble	762	meq/L	D	10		E300.0	09/17/15 18:13 / rda
Chloride	27000	ppm	D	500		E300.0	09/17/15 18:13 / rda
EXCHANGEABLES							
Exchangeable Sodium	1.8	meq/100g		0.1		Calculation	09/25/15 10:36 / wjk
Exchangeable Sodium Percentage	49.2	%		0.1		USDA20a	09/25/15 10:36 / wjk
METALS - NH4AC EXTRACTABLE							
Sodium, meq	14	meq/100g		0.10		SW6010B	09/22/15 17:35 / jtr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
E - Estimated value. Result exceeds the instrument upper quantitation limit.



LABORATORY ANALYTICAL REPORT

Prepared by College Station, TX Branch

Client: R and A Technology
Project: Routine Salinity / Chlorides
Lab ID: T15090055-002
Client Sample ID: Bag #2

Report Date: 09/25/15
Collection Date: 09/04/15
Date Received: 09/11/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
pH, Sat. Paste	7.4	s.u.		0.1		USDA21	09/17/15 10:52 / cjp
PHYSICAL PROPERTIES							
Cation Exchange Capacity (CEC)	4.2	meq/100g		0.1		E200.7	09/17/15 19:01 / jtr
SATURATED PASTE							
Saturation	24.0	%		0.1		USDA27a	09/17/15 16:29 / cjp
Conductivity, paste extract	66.6	mmhos/cm	E	0.1		USDA4	09/17/15 13:38 / wjk
Sodium Adsorption Ratio (SAR)	60.0	unitless		0.1		Calculation	09/25/15 10:36 / wjk
Calcium, sat. paste	220	meq/L	D	1		E200.7	09/24/15 13:38 / jtr
Magnesium, sat. paste	38	meq/L	D	2		E200.7	09/24/15 13:38 / jtr
Sodium, sat. paste	681	meq/L	D	0.9		E200.7	09/24/15 13:38 / jtr
Chloride, Soluble	1130	meq/L	D	10		E300.0	09/17/15 19:08 / rda
Chloride	40100	ppm	D	500		E300.0	09/17/15 19:08 / rda
EXCHANGEABLES							
Exchangeable Sodium	1.0	meq/100g		0.1		Calculation	09/25/15 10:36 / wjk
Exchangeable Sodium Percentage	23.6	%		0.1		USDA20a	09/25/15 10:36 / wjk
METALS - NH4AC EXTRACTABLE							
Sodium, meq	17	meq/100g		0.10		SW6010B	09/22/15 17:39 / jtr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
E - Estimated value. Result exceeds the instrument upper quantitation limit.



QA/QC Summary Report

Prepared by College Station, TX Branch

Client: R and A Technology

Report Date: 09/25/15

Project: Routine Salinity / Chlorides

Work Order: T15090055

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: Calculation										Batch: R65169
Lab ID: T15090055-001ADUP	Sample Duplicate		Run: CALC_SOIL_150925C				09/25/15 10:36			
Exchangeable Sodium	1.88	meq/100g	0.10					3.2	20	
Lab ID: T15090055-001ADUP	Sample Duplicate		Run: CALC_SOIL_150925C				09/25/15 10:36			
Sodium Adsorption Ratio (SAR)	54.8	unitless	0.10					0.8	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by College Station, TX Branch

Client: R and A Technology

Report Date: 09/25/15

Project: Routine Salinity / Chlorides

Work Order: T15090055

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.7	Analytical Run: ICP102-CS_150917D								
Lab ID:	Initial Calib Verif	Initial Calibration Verification Standard								09/17/15 17:46
Sodium		48.3	mg/L	1.0	97	95	105			
Lab ID:	Cont Calib Blank	Continuing Calibration Blank								09/17/15 17:48
Sodium		-0.244	mg/L	1.0						
Method:	E200.7									Batch: 24151
Lab ID:	LCS-24151	2	Laboratory Control Sample				Run: ICP102-CS_150917D		09/17/15 18:01	
Sodium			2520	mg/kg	23	101	80	120		
Cation Exchange Capacity (CEC)			11.0	meq/100g	0.100	101	80	120		
Lab ID:	MB-24151	2	Method Blank				Run: ICP102-CS_150917D		09/17/15 18:03	
Sodium			ND	mg/kg	0.02					
Cation Exchange Capacity (CEC)			ND	meq/100g	9E-05					
Lab ID:	T15090055-001ADUP	2	Sample Duplicate				Run: ICP102-CS_150917D		09/17/15 18:59	
Sodium			878	mg/kg	23			2.5	20	
Cation Exchange Capacity (CEC)			3.82	meq/100g	0.100			2.5	20	
Lab ID:	T15090061-001AMS	2	Sample Matrix Spike				Run: ICP102-CS_150917D		09/17/15 19:08	
Sodium			3180	mg/kg	23	92	80	120		
Cation Exchange Capacity (CEC)			13.8	meq/100g	0.100	92	80	120		

Qualifiers:

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QA/QC Summary Report

Prepared by College Station, TX Branch

Client: R and A Technology

Report Date: 09/25/15

Project: Routine Salinity / Chlorides

Work Order: T15090055

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Analytical Run: ICP102-CS_150922A		
Lab ID: Initial Calib Verif	3	Initial Calibration Verification Standard								09/22/15 10:19
Calcium		47.6	mg/L	1.0	95	95	105			
Magnesium		48.0	mg/L	1.0	96	95	105			
Sodium		47.6	mg/L	1.0	95	95	105			
Lab ID: Cont Calib Blank	3	Continuing Calibration Blank								09/22/15 10:21
Calcium		-0.00883	mg/L	1.0						
Magnesium		0.00234	mg/L	1.0						
Sodium		0.524	mg/L	1.0						
Method: E200.7								Batch: 24157		
Lab ID: LCS-24157	6	Laboratory Control Sample				Run: ICP102-CS_150922A			09/22/15 11:08	
Calcium		651	ppm	2.0	110	80	120			
Magnesium		152	ppm	1.2	106	77.4	116			
Sodium		302	ppm	2.3	108	80	120			
Calcium, sat. paste		32.5	meq/L	0.10	110	80	120			
Magnesium, sat. paste		12.7	meq/L	0.100	106	77.4	116			
Sodium, sat. paste		13.1	meq/L	0.100	108	80	120			
Lab ID: T15090055-001ADUP	6	Sample Duplicate				Run: ICP102-CS_150922A			09/22/15 11:11	
Calcium		2820	ppm	10				1.0	20	
Magnesium		309	ppm	10				1.5	20	
Sodium		11500	ppm	10				1.3	20	
Calcium, sat. paste		141	meq/L	0.50				1.0	20	
Magnesium, sat. paste		25.7	meq/L	0.83				1.5	20	
Sodium, sat. paste		500	meq/L	0.43				1.3	20	
Method: E200.7								Analytical Run: ICP102-CS_150922C		
Lab ID: Initial Calib Verif		Initial Calibration Verification Standard								09/22/15 13:39
Sodium		50.1	mg/L	1.0	100	95	105			
Lab ID: Cont Calib Blank		Continuing Calibration Blank								09/22/15 13:41
Sodium		0.0307	mg/L	1.0						

Qualifiers:

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ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by College Station, TX Branch

Client: R and A Technology

Report Date: 09/25/15

Project: Routine Salinity / Chlorides

Work Order: T15090055

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Analytical Run: ICP102-CS_150924A		
Lab ID: Initial Calib Verif	3	Initial Calibration Verification Standard								09/24/15 12:23
Calcium		48.7	mg/L	1.0	97	95	105			
Magnesium		48.2	mg/L	1.0	96	95	105			
Sodium		47.9	mg/L	1.0	96	95	105			
Lab ID: Cont Calib Blank	3	Continuing Calibration Blank								09/24/15 12:25
Calcium		-0.00201	mg/L	1.0						
Magnesium		0.000505	mg/L	1.0						
Sodium		0.540	mg/L	1.0						
Method: E200.7								Batch: 24202		
Lab ID: LCS-24202	6	Laboratory Control Sample				Run: ICP102-CS_150924A			09/24/15 13:28	
Calcium		583	ppm	2.0	99	80	120			
Magnesium		140	ppm	1.2	98	77.4	116			
Sodium		271	ppm	2.3	97	80	120			
Calcium, sat. paste		29.1	meq/L	0.10	99	80	120			
Magnesium, sat. paste		11.7	meq/L	0.100	98	77.4	116			
Sodium, sat. paste		11.8	meq/L	0.100	97	80	120			
Lab ID: T15090055-002AMS	6	Sample Matrix Spike				Run: ICP102-CS_150924A			09/24/15 13:41	
Calcium		9250	ppm	20	97	80	120			
Magnesium		5210	ppm	20	95	80	120			
Sodium		20600	ppm	20	100	80	120			
Calcium, sat. paste		462	meq/L	1.0	97	80	120			
Magnesium, sat. paste		434	meq/L	1.7	95	80	120			
Sodium, sat. paste		898	meq/L	0.87	100	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by College Station, TX Branch

Client: R and A Technology

Report Date: 09/25/15

Project: Routine Salinity / Chlorides

Work Order: T15090055

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0										Analytical Run: IC1_150917A
Lab ID: ICV/LCS-W-3546	Initial Calibration Verification Standard									
Chloride		107	mg/L	2.0	107	90	110			09/17/15 14:06
Lab ID: ICB2										09/17/15 15:19
Initial Calibration Blank, Instrument Blank										
Chloride		0.196	mg/L	1.0		0	0			
Method: E300.0										Batch: 24157
Lab ID: LCS-24157	Laboratory Control Sample									
Chloride, Soluble		6.55	meq/L	0.70	114	80	120			Run: IC1_150917A 09/17/15 17:55
Lab ID: T15090055-001APDS	Post Digestion/Distillation Spike									
Chloride, Soluble		1130	meq/L	14	104	80	120			Run: IC1_150917A 09/17/15 18:32
Lab ID: T15090055-001ADUP	Sample Duplicate									
Chloride, Soluble		794	meq/L	14				4.1	20	Run: IC1_150917A 09/17/15 18:50

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by College Station, TX Branch

Client: R and A Technology

Report Date: 09/25/15

Project: Routine Salinity / Chlorides

Work Order: T15090055

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6010B										Batch: 24188
Lab ID: LCS-24188	2	Laboratory Control Sample				Run: ICP102-CS_150922C				09/22/15 17:31
Sodium		190	mg/kg	23	97	70	110			
Sodium, meq		0.82	meq/100g	0.10	97	70	110			
Lab ID: MB-24188	2	Method Blank				Run: ICP102-CS_150922C				09/22/15 17:33
Sodium		-0.5	mg/kg							
Sodium, meq		-0.002	meq/100g							
Lab ID: T15090055-001ADUP	2	Sample Duplicate				Run: ICP102-CS_150922C				09/22/15 17:37
Sodium		3200	mg/kg	23				0.4	20	
Sodium, meq		14	meq/100g	0.10				0.4	20	
Lab ID: T15090055-002AMS	2	Sample Matrix Spike				Run: ICP102-CS_150922C				09/22/15 17:40
Sodium		5900	mg/kg	23	95	80	120			
Sodium, meq		26	meq/100g	0.10	96	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by College Station, TX Branch

Client: R and A Technology

Report Date: 09/25/15

Project: Routine Salinity / Chlorides

Work Order: T15090055

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: USDA20a										Batch: R65169
Lab ID: T15090055-001ADUP										09/25/15 10:36
Exchangeable Sodium Percentage		50	%	0.1				0.6	20	
Sample Duplicate										Run: CALC_SOIL_150925C

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by College Station, TX Branch

Client: R and A Technology

Report Date: 09/25/15

Project: Routine Salinity / Chlorides

Work Order: T15090055

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual	
Method: USDA21								Analytical Run: PH2_150917A			
Lab ID: Buffer 4-pH2-3514	Continuing Calibration Verification Standard										
pH, Sat. Paste		4.0	s.u.	0.1	100	97	103			09/17/15 10:47	
Lab ID: Buffer 7-pH2-3515	Continuing Calibration Verification Standard										09/17/15 10:47
pH, Sat. Paste		7.0	s.u.	0.1	100	98	102				
Lab ID: Buffer 10-pH2-3516	Continuing Calibration Verification Standard										09/17/15 10:48
pH, Sat. Paste		10	s.u.	0.1	100	99	101				
Lab ID: ICV-Buffer 7-pH2-344	Continuing Calibration Verification Standard										09/17/15 10:49
pH, Sat. Paste		7.0	s.u.	0.1	100	98	102				
Method: USDA21								Batch: 24157			
Lab ID: LCS-24157	Laboratory Control Sample										09/17/15 10:49
pH, Sat. Paste		6.8	s.u.	0.1	101	98	102				
Lab ID: T15090055-001ADUP	Sample Duplicate										09/17/15 10:51
pH, Sat. Paste		7.4	s.u.	0.1				0.4	3		

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by College Station, TX Branch

Client: R and A Technology

Report Date: 09/25/15

Project: Routine Salinity / Chlorides

Work Order: T15090055

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: USDA27a										Batch: 24157
Lab ID: LCS-24157										
Laboratory Control Sample		Run: BAL4_150917A								
Saturation		38.6	%	0.10	100	80	120			09/17/15 16:29
Lab ID: T15090055-001ADUP										
Sample Duplicate		Run: BAL4_150917A								
Saturation		23.8	%	0.10				2.3	20	09/17/15 16:29

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by College Station, TX Branch

Client: R and A Technology

Report Date: 09/25/15

Project: Routine Salinity / Chlorides

Work Order: T15090055

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: USDA4										Analytical Run: COND3_150917A
Lab ID: COND 100		Continuing Calibration Verification Standard								09/17/15 13:35
Conductivity, paste extract		0.100	mmhos/cm	0.10	100	90	110			
Lab ID: COND 2000										09/17/15 13:35
Conductivity, paste extract		1.90	mmhos/cm	0.10	95	90	110			
Method: USDA4										Batch: 150917A-COND-PASTE-S
Lab ID: COND 7000		Continuing Calibration Verification Standard				Run: COND3_150917A				09/17/15 13:36
Conductivity, paste extract		7.00	mmhos/cm	0.10	100	90	110			
Method: USDA4										Batch: 24157
Lab ID: LCS-24157		Laboratory Control Sample				Run: COND3_150917A				09/17/15 13:36
Conductivity, paste extract		3.89	mmhos/cm	0.10	107	80	120			
Lab ID: T15090055-001ADUP		Sample Duplicate				Run: COND3_150917A				09/17/15 13:37
Conductivity, paste extract		49.5	mmhos/cm	0.10				0.1	20	
Method: USDA4										Batch: R65022
Lab ID: COND 25000		Initial Calibration Verification Standard				Run: COND3_150917A				09/17/15 13:38
Conductivity, paste extract		24.7	mmhos/cm	0.10	99	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



Work Order Receipt Checklist

R and A Technology

T15090055

Login completed by: Alisha D. Markle

Date Received: 9/11/2015

Reviewed by: BL2000\amyatt

Received by: am1

Reviewed Date: 9/14/2015

Carrier name: USPS

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on all shipping container(s)/cooler(s)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on all sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input checked="" type="checkbox"/>
Container/Temp Blank temperature:	°C Soils		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input checked="" type="checkbox"/>

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

Contact and Corrective Action Comments:

Soil Samples. No Sample ID or Collection Date found on COC. Sample 001 (Bag #1) no Collection date. No sample ID or Collection date found on sample 002. Per Rob Johnston, samples collected on 09/04/15. Sample 002 needs to be labeled Bag #2. ADM 150911 16:41



Trust our People. Trust our Data.

Chain of Custody & Analytical Request Record

www.energylab.com

Page 1 of 2

Account Information (Billing Information)

Company/Name R&A Technology	
Contact	Rob Johnston
Phone	(832) 244-3811
Mailing Address	
City, State, Zip	
Email	rmjohnstoniii@mac.com
Receive Invoice <input type="checkbox"/> Hard Copy <input type="checkbox"/> Email <input type="checkbox"/>	Receive Report <input type="checkbox"/> Hard Copy <input type="checkbox"/> Email <input type="checkbox"/>
Purchase Order	Quote

Report Information (if different than Account Information)

Company/Name	
Contact	
Phone	
Mailing Address	
City, State, Zip	Please copy me on the emailed report that you send to Rob.
Email	ronald.conaway@ragingbulloilfield.com
Receive Report <input type="checkbox"/> Hard Copy <input type="checkbox"/> Email <input type="checkbox"/>	
Special Report/Formats:	
<input type="checkbox"/> LEVEL IV <input type="checkbox"/> NELAC <input type="checkbox"/> EDD/EDT (contact laboratory) <input type="checkbox"/> Other	

Comments

The sampling will be "routine salinity". This will be normal turnaround.

Project Information

Project Name, PWSID, Permit, etc.	
Bottle Order	
Sample Origin State New Mexico <input checked="" type="checkbox"/>	EPA/State Compliance <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Sampler Name Ronald Conaway	Sampler Phone (575) 725-9144

Matrix Codes

- A - Air
- W - Water
- S - Solids
- V - Vegetation
- B - Bioassay
- O - Other
- DW - Drinking Water

Analysis Requested

Number of Containers	Matrix (See Codes Above)	See Attached
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

All turnaround times are standard unless marked as RUSH.

Energy Laboratories MUST be contacted prior to RUSH sample submittal for charges and scheduling - See Instructions Page

Sample Identification (Name, Location, Interval, etc.)	Collection Date	Time	Signature
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

RUSH TAT	ELI LAB ID Laboratory Use Only
	75690055 -001
	-002

Custody Record MUST be signed	Relinquished by (print) Ronald Conaway	Date/Time 9/8/15 8:20	Signature [Signature]
	Relinquished by (print)	Date/Time	Signature
Sample Disposal Client Lab	Shipped By USPS	Cooler ID(s) Box	Custody Seals Y <input checked="" type="checkbox"/> N <input type="checkbox"/> C <input type="checkbox"/> B <input type="checkbox"/>
		Receipt Temp °C	Temp Blank Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
		On Ice Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Payment Type CC Cash Check
		Amount \$	Receipt Number (cash/check only)
			Signature [Signature]

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All subcontracted data will be clearly noted on your analytical report.