

October 29, 2014

LAURA FLORES
RICE ENVIRONMENTAL CONSULTING & SAFETY LLC
419 W. CAIN
HOBBS, NM 88240

RE: VGEU WELL #020

Enclosed are the results of analyses for samples received by the laboratory on 10/28/14 15:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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.

Celey D. Keine

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:

RICE ENVIRONMENTAL CONSULTING & SAFETY LAURA FLORES 419 W. CAIN

HOBBS NM, 88240

Fax To: (575) 397-1471

Received: 10/28/2014 Sampling Date: 10/28/2014

Reported: 10/29/2014 Sampling Type: Soil

Project Name: VGEU WELL #020 Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: COP

# Sample ID: 5 PT. BOTTOM COMP @ 3' (H403312-01)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	10/28/2014	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/28/2014	ND	176	87.9	200	0.451	
DRO >C10-C28	<10.0	10.0	10/28/2014	ND	196	98.0	200	3.25	
Surrogate: 1-Chlorooctane	77.0	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	94.0	% 52.1-17	6						

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. Keine



## **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

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

Company Name: RECS		BILL TO			ANA	ANALYSIS REQUEST
Project Manager: Laura Flores / Kyle Norway		P.O. #:				
-		Company:		_	ıs	
City: Hobbs State: NM	Zip: 88240	Attn:			ior	
Phone #: Fax #:		Address:			٩n	
Project #: Project Owner:		City:			-	,
ame: ( o P		State: Zip:				
Project Location: UGEN WEN 420		Phone #:	oric 301	E	s T atio	DS
Flores		Fax #:			-	
	MATRIX	PRESERV. SAMPLING	Ch	-	-	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:			Complet	
5 Point Bottom Composite @3	( 1	1 10/28/2014	3,000pm X X			
PLEASE NOTE: Lability and Damages. Cardina'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 the client for the 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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	ny claim arising whether based in contract seemed waived unless made in writing ar without limitation, business interruptions, ardinal, regardless of whether such claim	t or tort, shall be limited to the amount paid d received by Cardinal within 30 days after loss of use, or loss of profits incurred by cliv is based upon any of the above stated reas	by the client for the completion of the applicable ent, its subsidiaries, ons or otherwise.			
Relinquished By: Date: 10 - 28 - 2014 Times: 7-5	Received By:	leusen		es 🖾 No		Add'I Phone #: Add'I Fax #: QUZ - % SUZ
Relinquished By:	Received By:		email results: hconder@rice-ecs.	ecs.com;	(norman(	.com; knorman@rice-ecs.com;
Delivered By: (Circle One)	Sample Condition	ion CHECKED BY:	jkamplain@rice-e lweinheimer@rice	e-ecs.co	regans@ m; cursa	Jkamplain@rice-ecs.com; regans@rice-ecs.com; lflores@rice-ecs.com; lweinheimer@rice-ecs.com; cursanic@rice-ecs.com
	2 Uo Cool Intact	(Initials)	environmental tech:	ch:		Planes @rice-ecs.com

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476 454