



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

November 13, 2024

KATIE JONES

Rice Operating Company

112 W. Taylor

Hobbs, NM 88240

RE: VACUUM JUNCTION K-35-1

Enclosed are the results of analyses for samples received by the laboratory on 10/31/24 14:19.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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.

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, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Rice Operating Company
 KATIE JONES
 112 W. Taylor
 Hobbs NM, 88240
 Fax To: (575) 397-1471

Received: 10/31/2024
 Reported: 11/13/2024
 Project Name: VACUUM JUNCTION K-35-1
 Project Number: NOT GIVEN
 Project Location: T17S-R35E-SEC35 K LEA COUNTY, NM

Sampling Date: 10/29/2024
 Sampling Type: Water
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: MONITOR WELL #1 (H246653-01)

Chloride, SM4500Cl-B (Water)		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride*	140	4.00	11/01/2024	ND	100	100	100	3.92		
Sulfate 375.4		mg/L		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Sulfate*	55.9	10.0	11/01/2024	ND	18.6	92.8	20.0	11.9		
TDS 160.1		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TDS*	586	5.00	11/08/2024	8.00	834	83.4	1000	0.184		

Sample ID: MONITOR WELL #2 (H246653-02)

Chloride, SM4500Cl-B (Water)		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride*	100	4.00	11/01/2024	ND	100	100	100	3.92		
Sulfate 375.4		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Sulfate*	52.9	10.0	11/07/2024	ND	16.0	80.2	20.0	3.91		
TDS 160.1		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TDS*	470	5.00	11/08/2024	8.00	834	83.4	1000	0.184		

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Rice Operating Company
 KATIE JONES
 112 W. Taylor
 Hobbs NM, 88240
 Fax To: (575) 397-1471

Received: 10/31/2024
 Reported: 11/13/2024
 Project Name: VACUUM JUNCTION K-35-1
 Project Number: NOT GIVEN
 Project Location: T17S-R35E-SEC35 K LEA COUNTY, NM

Sampling Date: 10/29/2024
 Sampling Type: Water
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: MONITOR WELL #3 (H246653-03)

Chloride, SM4500Cl-B (Water)		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride*	100	4.00	11/01/2024	ND	100	100	100	3.92		
Sulfate 375.4		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Sulfate*	45.7	10.0	11/07/2024	ND	16.0	80.2	20.0	3.91		
TDS 160.1		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TDS*	481	5.00	11/08/2024	8.00	834	83.4	1000	0.184		

Sample ID: MONITOR WELL #4 (H246653-04)

Chloride, SM4500Cl-B (Water)		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride*	100	4.00	11/01/2024	ND	100	100	100	3.92		
Sulfate 375.4		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Sulfate*	49.0	10.0	11/07/2024	ND	16.0	80.2	20.0	3.91		
TDS 160.1		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TDS*	493	5.00	11/08/2024	8.00	834	83.4	1000	0.184		

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Rice Operating Company
 KATIE JONES
 112 W. Taylor
 Hobbs NM, 88240
 Fax To: (575) 397-1471

Received: 10/31/2024
 Reported: 11/13/2024
 Project Name: VACUUM JUNCTION K-35-1
 Project Number: NOT GIVEN
 Project Location: T17S-R35E-SEC35 K LEA COUNTY, NM

Sampling Date: 10/29/2024
 Sampling Type: Water
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: RECOVERY WELL #1 (H246653-05)

Chloride, SM4500Cl-B (Water)		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride*	88.0	4.00	11/01/2024	ND	100	100	100	3.92		
Sulfate 375.4		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Sulfate*	47.2	10.0	11/07/2024	ND	16.0	80.2	20.0	3.91		
TDS 160.1		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TDS*	425	5.00	11/08/2024	8.00	834	83.4	1000	0.184		

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Celey D. Keene, Lab Director/Quality Manager



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

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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Cardinal Laboratories, Inc.

LAB Order ID

ANALYSIS REQUEST
(Circle or Specify Method No.)[illegible][illegible]

Relinquished by: <u>[Signature]</u>	Date: <u>10/31/2024</u>	Time: <u>8:00</u>	Received by: <u>[Signature]</u>	Date: <u>10/31/24</u>	Time: <u>8:00</u>
Relinquished by: <u>[Signature]</u>	Date: <u>10/31/24</u>	Time: <u>1410</u>	Received By: (Laboratory Staff)	Date: <u>10-31-24</u>	Time: <u>1410</u>
Delivered By: (Circle One)			Sample Condition	CHECKED BY:	
Sampler - UPS - Bus - Other:			Cool Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Intact Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	(Initials) <u>[Signature]</u>	

Phone Results	Yes	No
Fax Results	Yes	No Additional Fax Number:

REMARKS:

Email Results: kjones@riceswd.com
rozanne@sdacres.com



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

August 27, 2024

KATIE JONES

Rice Operating Company

112 W. Taylor

Hobbs, NM 88240

RE: VACUUM JUNCTION K-35-1

Enclosed are the results of analyses for samples received by the laboratory on 08/15/24 14:24.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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.

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.

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Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Rice Operating Company
 KATIE JONES
 112 W. Taylor
 Hobbs NM, 88240
 Fax To: (575) 397-1471

Received: 08/15/2024
 Reported: 08/27/2024
 Project Name: VACUUM JUNCTION K-35-1
 Project Number: NOT GIVEN
 Project Location: T17S-R35E-SEC35 K LEA COUNTY, NM

Sampling Date: 08/13/2024
 Sampling Type: Water
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: MONITOR WELL #1 (H244965-01)

Chloride, SM4500Cl-B (Water)		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride*	152	4.00	08/19/2024	ND	100	100	100	0.00		
Sulfate 375.4		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Sulfate*	54.3	10.0	08/27/2024	ND	21.6	108	20.0	0.922		
TDS 160.1		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TDS*	586	5.00	08/19/2024	9.00	525	105	500	1.20		

Sample ID: MONITOR WELL #2 (H244965-02)

Chloride, SM4500Cl-B (Water)		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride*	116	4.00	08/19/2024	ND	100	100	100	0.00		
Sulfate 375.4		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Sulfate*	55.7	10.0	08/27/2024	ND	21.6	108	20.0	0.922		
TDS 160.1		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TDS*	489	5.00	08/20/2024	9.00	525	105	500	1.20		

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Rice Operating Company
 KATIE JONES
 112 W. Taylor
 Hobbs NM, 88240
 Fax To: (575) 397-1471

Received: 08/15/2024
 Reported: 08/27/2024
 Project Name: VACUUM JUNCTION K-35-1
 Project Number: NOT GIVEN
 Project Location: T17S-R35E-SEC35 K LEA COUNTY, NM

Sampling Date: 08/13/2024
 Sampling Type: Water
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: MONITOR WELL #3 (H244965-03)

Chloride, SM4500Cl-B (Water)		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride*	112	4.00	08/19/2024	ND	100	100	100	0.00		
Sulfate 375.4		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Sulfate*	57.2	10.0	08/27/2024	ND	21.6	108	20.0	0.922		
TDS 160.1		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TDS*	539	5.00	08/16/2024	9.00	525	105	500	1.20		

Sample ID: MONITOR WELL #4 (H244965-04)

Chloride, SM4500Cl-B (Water)		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride*	120	4.00	08/19/2024	ND	100	100	100	0.00		
Sulfate 375.4		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Sulfate*	56.8	10.0	08/27/2024	ND	21.6	108	20.0	0.922		
TDS 160.1		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TDS*	494	5.00	08/19/2024	9.00	525	105	500	1.20		

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Rice Operating Company
KATIE JONES
112 W. Taylor
Hobbs NM, 88240
Fax To: (575) 397-1471

Received: 08/15/2024

Reported: 08/27/2024

Project Name: VACUUM JUNCTION K-35-1

Project Number: NOT GIVEN

Project Location: T17S-R35E-SEC35 K LEA COUNTY, NM

Sampling Date: 08/13/2024

Sampling Type: Water

Sampling Condition: Cool & Intact

Sample Received By: Alyssa Parras

Sample ID: RECOVERY WELL #1 (H244965-05)

Chloride, SM4500Cl-B (Water)		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride*	76.0	4.00	08/19/2024	ND	100	100	100	0.00		
Sulfate 375.4		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Sulfate*	56.9	10.0	08/27/2024	ND	21.6	108	20.0	0.922		
TDS 160.1		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TDS*	389	5.00	08/19/2024	9.00	525	105	500	1.20		

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

101 East Marland - Hobbs, NM 88240
Tel (575) 393-2326
Fax (575) 393-2476

Cardinal Laboratories, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # _____

ANALYSIS REQUEST

(Circle or Specify Method No.)

Company Name: **RICE Operating Company**
Project Manager: **Katie Jones**
Address: (Street, City, Zip) **122 W Taylor Street ~ Hobbs, New Mexico 88240**
Phone #: **(575) 393-9174** Fax #: **(575) 397-1471**

BILL TO Company: **RICE Operating Company** PO# _____
Address: (Street, City, Zip) **122 W Taylor Street ~ Hobbs, New Mexico 88240**
Phone#: **(575) 393-9174** Fax#: **(575) 397-1471**

Project #: _____ Project Name: **Vacuum Junction K-35-1**

Project Location: **T17S-R35E-Sec35 K ~ Lea County New Mexico**

Sampler Signature: *Rozanne Johnson* (575) 393-9310

LAB # (LAB USE ONLY)	FIELD CODE	(G)rab or (C)omp	# CONTAINERS	MATRIX				PRESERVATIVE METHOD				SAMPLING			
				WATER	SOIL	AIR	SLUDGE	HCL (4 40ml VOA)	HNO ₃	NaHSO ₄	H ₂ SO ₄	ICE (1-1Liter HDPE)	NONE	DATE (2024)	TIME
H244965															
1	Monitor Well #1	G	1	X								1		8/13	14:00
2	Monitor Well #2	G	1	X								1		8/13	9:45
3	Monitor Well #3	G	1	X								1		8/13	11:00
4	Monitor Well #4	G	1	X								1		8/13	12:25
5	Recovery Well #1	G	1	X								1		8/13	14:20
		</													

MTBE 8021B/602

BTEX 8021B/602

TPH 418.1/TX1005 / TX1005 Extended (C35)

PAH 8270C

Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7

TCLP Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Volatiles

TCLP Semi Volatiles

TCLP Pesticides

RCI

GC/MS Vol. 8260B/624

GC/MS Semi. Vol. 8270C/625

PCB's 8082/608

Pesticides 8081A/608

BOD, TSS, pH

Moisture Content

Cations (Ca, Mg, Na, K)

Anions (Cl, SO₄, CO₃, HCO₃)

Sulfates

Total Dissolved Solids

Chlorides

Turn Around Time ~ 24 Hours

Relinquished by: _____ Date: _____ Time: _____

Rozanne Johnson 8/15/24 13:00

Relinquished by: _____ Date: _____ Time: _____

Rozanne Johnson 8/15/24 14:24

Delivered By: (Circle One)

Sampler - UPS - Bus - Other

Received by: _____

Received By: (Laboratory Staff)

Sample Condition

Cool Intact
Yes ☒ Yes ☒
No ☐ No ☐

CHECKED BY: *AD*

(Initials)

Phone Results Yes No

Fax Results Yes No

Additional Fax Number: _____

REMARKS:

Email Results: kjones@riceswd.com
rozanne@sdacres.com



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

June 17, 2024

KATIE JONES

Rice Operating Company

112 W. Taylor

Hobbs, NM 88240

RE: VACUUM JUNCTION K-35-1

Enclosed are the results of analyses for samples received by the laboratory on 06/11/24 9:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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.

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".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Rice Operating Company
KATIE JONES
112 W. Taylor
Hobbs NM, 88240
Fax To: (575) 397-1471

Received: 06/11/2024
Reported: 06/17/2024
Project Name: VACUUM JUNCTION K-35-1
Project Number: NOT GIVEN
Project Location: T17S-R35E-SEC35 K LEA COUNTY, NM

Sampling Date: 06/04/2024
Sampling Type: Water
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: MONITOR WELL #1 (H243327-01)

Chloride, SM4500Cl-B		mg/L		Analyzed By: HM						
	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*		140	4.00	06/13/2024	ND	100	100	100	3.92	
	Sulfate	375.4								
		mg/L		Analyzed By: CT						
	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*		72.2	10.0	06/12/2024	ND	19.2	96.2	20.0	0.0520	
	TDS	160.1								
		mg/L		Analyzed By: CT						
	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*		581	5.00	06/13/2024	ND	466	93.2	500	1.11	

Sample ID: MONITOR WELL #2 (H243327-02)

Chloride, SM4500Cl-B		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride*	84.0	4.00	06/13/2024	ND	100	100	100	3.92		
Sulfate 375.4		mg/L		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Sulfate*	69.7	10.0	06/12/2024	ND	19.2	96.2	20.0	0.0520		
TDS 160.1		mg/L		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TDS*	449	5.00	06/13/2024	ND	466	93.2	500	1.11		

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Rice Operating Company
 KATIE JONES
 112 W. Taylor
 Hobbs NM, 88240
 Fax To: (575) 397-1471

Received: 06/11/2024
 Reported: 06/17/2024
 Project Name: VACUUM JUNCTION K-35-1
 Project Number: NOT GIVEN
 Project Location: T17S-R35E-SEC35 K LEA COUNTY, NM

Sampling Date: 06/04/2024
 Sampling Type: Water
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: MONITOR WELL #3 (H243327-03)

Chloride, SM4500Cl-B		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride*	124	4.00	06/13/2024	ND	100	100	100	3.92		
Sulfate 375.4		mg/L		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Sulfate*	70.7	10.0	06/12/2024	ND	19.2	96.2	20.0	0.0520		
TDS 160.1		mg/L		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TDS*	533	5.00	06/13/2024	ND	466	93.2	500	1.11		

Sample ID: MONITOR WELL #4 (H243327-04)

Chloride, SM4500Cl-B		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride*	164	4.00	06/13/2024	ND	100	100	100	3.92		
Sulfate 375.4		mg/L		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Sulfate*	74.4	10.0	06/12/2024	ND	19.2	96.2	20.0	0.0520		
TDS 160.1		mg/L		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TDS*	674	5.00	06/13/2024	ND	466	93.2	500	1.11		

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Rice Operating Company
 KATIE JONES
 112 W. Taylor
 Hobbs NM, 88240
 Fax To: (575) 397-1471

Received: 06/11/2024
 Reported: 06/17/2024
 Project Name: VACUUM JUNCTION K-35-1
 Project Number: NOT GIVEN
 Project Location: T17S-R35E-SEC35 K LEA COUNTY, NM

Sampling Date: 06/04/2024
 Sampling Type: Water
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: RECOVERY WELL #1 (H243327-05)

Chloride, SM4500Cl-B		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride*	80.0	4.00	06/13/2024	ND	100	100	100	3.92		
Sulfate 375.4		mg/L		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Sulfate*	70.8	10.0	06/12/2024	ND	19.2	96.2	20.0	0.0520		
TDS 160.1		mg/L		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TDS*	417	5.00	06/13/2024	ND	466	93.2	500	1.11		

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Celey D. Keene, Lab Director/Quality Manager



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

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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A handwritten signature in black ink, appearing to read "Celey D. Keene", written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

Cardinal Laboratories, Inc.

Page 6 of 6

Company Name: RICE Operating Company		BILL TO Company: RICE Operating Company		PO#
Project Manager: Katie Jones		Address: (Street, City, Zip) 122 W Taylor Street ~ Hobbs, New Mexico 88240		
Address: (Street, City, Zip) 122 W Taylor Street ~ Hobbs, New Mexico 88240		Phone#: (575) 393-9174		Fax#: (575)397-1471
Phone #: (575) 393-9174		Fax #: (575) 397-1471		
Project #:		Project Name: Vacuum Junction K-35-1		
Project Location: T17S-R35E-Sec35 K ~ Lea County New Mexico		Sampler Signature:  Rozanne Johnson (575)631-9310		

(Circle or Specify Method No.)

[illegible]

Relinquished by: <u>[Signature]</u> Date: <u>6/11/2024</u> Time: <u>8:00</u> Relinquished by: <u>[Signature]</u> Date: <u>6/11/2024</u> Time: <u>8:00</u> Delivered By: (Circle One) <u>UPS</u> Sampler - UPS - Bus - Other: <u>Other</u>	Received by: <u>[Signature]</u> Date: <u>6/11/2024</u> Time: <u>8:00</u> Received By: (Laboratory Staff) <u>[Signature]</u> Date: <u>6/11/2024</u> Time: <u>8:00</u> Sample Condition Yes <input checked="" type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> CHECKED BY: <u>[Signature]</u> (Initials) <u>SR</u>
--	--

Phone Results	Yes	No
Fax Results	Yes	No Additional Fax Number:

REMARKS:

Email Results: kjones@riceswd.com
rozanne@sdacres.com

Released to Imaging: 4/25/2025 3:44:54 PM



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

March 20, 2024

KATIE JONES

Rice Operating Company

112 W. Taylor

Hobbs, NM 88240

RE: VACUUM JUNCTION K-35-1

Enclosed are the results of analyses for samples received by the laboratory on 03/13/24 11:37.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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.

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, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Rice Operating Company
 KATIE JONES
 112 W. Taylor
 Hobbs NM, 88240
 Fax To: (575) 397-1471

Received: 03/13/2024
 Reported: 03/20/2024
 Project Name: VACUUM JUNCTION K-35-1
 Project Number: NOT GIVEN
 Project Location: T17S-R35E-SEC35 K LEA COUNTY, NM

Sampling Date: 03/11/2024
 Sampling Type: Water
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: MONITOR WELL #1 (H241284-01)

Chloride, SM4500Cl-B		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride*	192	4.00	03/13/2024	ND	108	108	100	3.77		
Sulfate 375.4		mg/L		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Sulfate*	72.1	10.0	03/14/2024	ND	18.0	90.0	20.0	0.829		
TDS 160.1		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TDS*	512	5.00	03/18/2024	ND	804	80.4	1000	8.08		

Sample ID: MONITOR WELL #2 (H241284-02)

Chloride, SM4500Cl-B		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride*	84.0	4.00	03/13/2024	ND	108	108	100	3.77		
Sulfate 375.4		mg/L		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Sulfate*	68.7	10.0	03/14/2024	ND	18.0	90.0	20.0	0.829		
TDS 160.1		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TDS*	317	5.00	03/18/2024	ND	804	80.4	1000	8.08		

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Rice Operating Company
 KATIE JONES
 112 W. Taylor
 Hobbs NM, 88240
 Fax To: (575) 397-1471

Received: 03/13/2024
 Reported: 03/20/2024
 Project Name: VACUUM JUNCTION K-35-1
 Project Number: NOT GIVEN
 Project Location: T17S-R35E-SEC35 K LEA COUNTY, NM

Sampling Date: 03/11/2024
 Sampling Type: Water
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: MONITOR WELL #3 (H241284-03)

Chloride, SM4500Cl-B		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride*	132	4.00	03/13/2024	ND	108	108	100	3.77		
Sulfate 375.4		mg/L		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Sulfate*	60.2	10.0	03/14/2024	ND	18.0	90.0	20.0	0.829		
TDS 160.1		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TDS*	504	5.00	03/18/2024	ND	804	80.4	1000	8.08		

Sample ID: MONITOR WELL #4 (H241284-04)

Chloride, SM4500Cl-B		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride*	132	4.00	03/13/2024	ND	108	108	100	3.77		
Sulfate 375.4		mg/L		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Sulfate*	63.6	10.0	03/14/2024	ND	18.0	90.0	20.0	0.829		
TDS 160.1		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TDS*	508	5.00	03/18/2024	ND	804	80.4	1000	8.08		

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Rice Operating Company
 KATIE JONES
 112 W. Taylor
 Hobbs NM, 88240
 Fax To: (575) 397-1471

Received: 03/13/2024
 Reported: 03/20/2024
 Project Name: VACUUM JUNCTION K-35-1
 Project Number: NOT GIVEN
 Project Location: T17S-R35E-SEC35 K LEA COUNTY, NM

Sampling Date: 03/11/2024
 Sampling Type: Water
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: RECOVERY WELL #1 (H241284-05)

Chloride, SM4500Cl-B		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride*	188	4.00	03/13/2024	ND	108	108	100	3.77		
Sulfate 375.4		mg/L		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Sulfate*	66.0	10.0	03/14/2024	ND	18.0	90.0	20.0	0.829		
TDS 160.1		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TDS*	650	5.00	03/18/2024	ND	804	80.4	1000	8.08		

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Email Results: kjones@riceswd.com
rozanne@sdacres.com

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 425632

CONDITIONS

Operator: RICE OPERATING COMPANY PO Box 5630 Hobbs, NM 88241	OGRID: 19174
	Action Number: 425632
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Groundwater lab results accepted for record	4/25/2025