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Annual GW Mon. Report



Rice Environmental Consulting & Safety

P.O. Box 5630 Hobbs, NM 88241 Phone 575.393.4411 Fax 575.393.0293

CERTIFIED MAIL RETURN RECEIPT NO. 7008 1140 0001 3070 6143 RECEIVED OCD

March 30th, 2012

Mr. Edward Hansen

New Mexico Energy, Minerals, & Natural Resources Oil Conservation Division, Environmental Bureau 1220 S. St. Francis Drive Santa Fe, New Mexico 87505

RE: 2011 Annual Groundwater Monitoring Report Rice Operating Company – Hobbs SWD System Hobbs jct. E-33-1 (1R428-67): UL/E sec. 33 T18S R38E

Mr. Hansen:

RICE Operating Company (ROC) has retained Rice Environmental Consulting and Safety (RECS) to address potential environmental concerns at the above-referenced site in the abandoned Hobbs Salt Water Disposal (SWD) system. ROC is the service provider (agent) for the Hobbs SWD System and has no ownership of any portion of the pipeline, well, or facility. The system is owned by a consortium of oil producers, System Parties, who provide all operating capital on a percentage ownership/usage basis.

This 2011 Annual Groundwater Monitoring Report contains:

- 1. A table presenting all laboratory results with the depths to groundwater for the well at the site.
- 2. Graphs showing the concentrations of chloride and TDS in groundwater over time.
- 3. A map showing the well location.
- 4. The laboratory analytical results for the most recent sampling event.

Quarterly groundwater sampling will continue in 2012.

RECS appreciates the opportunity to work with you on this project. Please call Hack Conder at (575) 393-9174 or me if you have any questions or wish to discuss the site.

Sincerely,

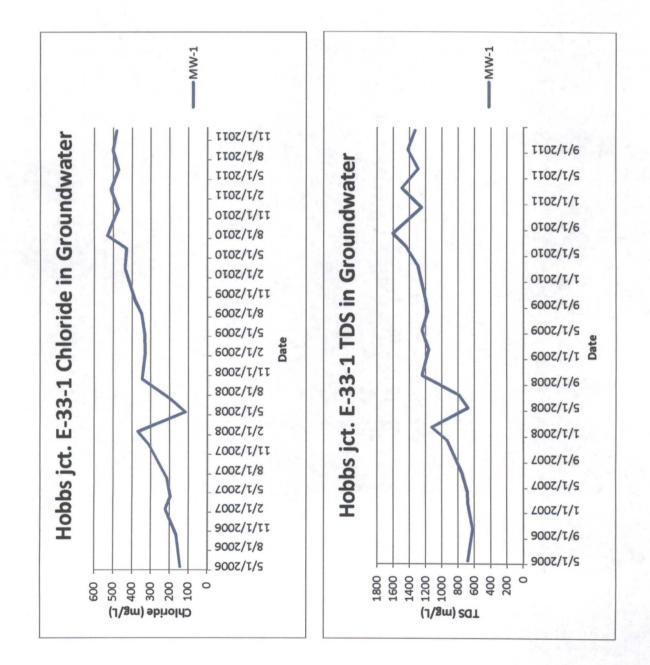
Lara Weinheimer Project Scientist RECS (575) 441-0431

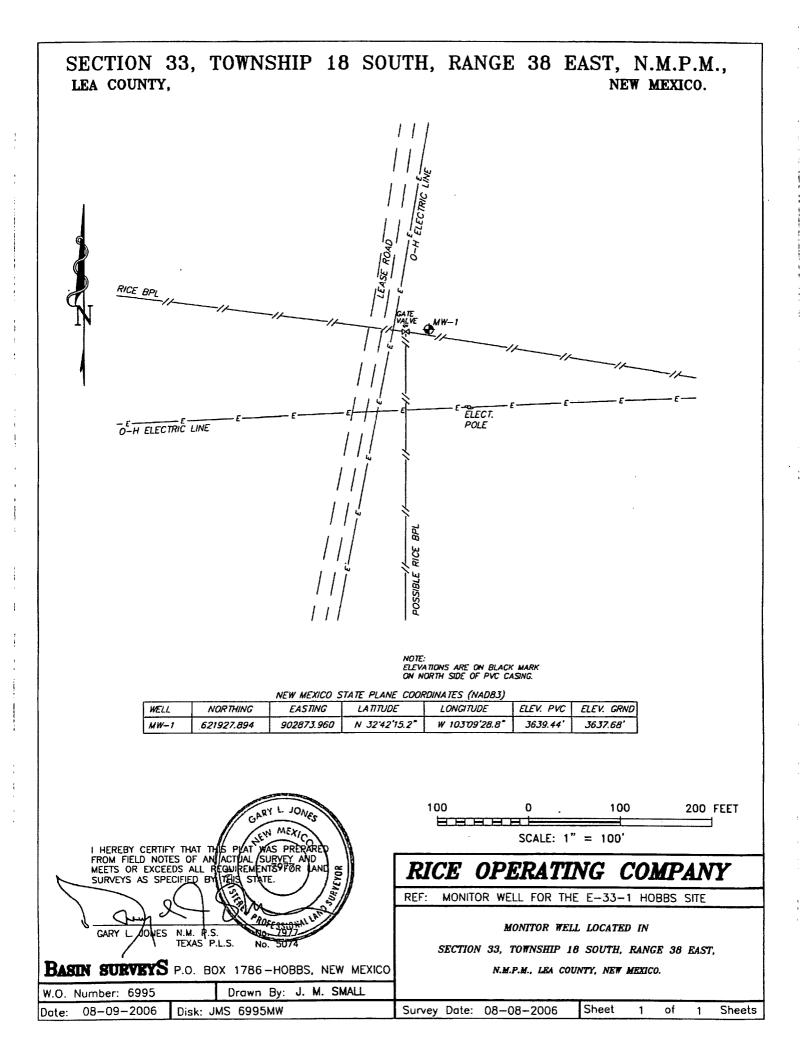
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Hobbs	Hobbs jct. E-33-1 (1R428-67)	1R428-67)							
	Denth to	Samle					Ethyl	Total	
Mδ	Water	Data	Ū	TDS	Benzene	Toluene	Benzene	Xylenes	Sulfate
		המוכ				(mg/L)			
1	64.44	5/17/2006	142	678	<0.001	<0.001	<0.001	<0.001	93.4
1	64.48	10/31/2006	164	620	<0.001	<0.001	<0.001	<0.001	96.2
1	64.67	2/22/2007	222	678	<0.001	<0.001	<0.001	<0.001	112
1	65.21	5/1/2008	116	677	<0.002	<0.002	<0.002	<0.006	178
1	64.77	4/25/2007	195	684	<0.001	<0.001	<0.001	<0.001	101
1	64.89	7/30/2007	215	754	<0.001	<0.001	<0.001	<0.001	115
1	65.03	12/19/2007	308	933	<0.002	<0.002	<0.002	<0.006	174
1	65.08	2/8/2008	368	1120	<0.002	<0.002	<0.002	<0.004	176
1	65.28	7/25/2008	196	785	<0.002	<0.002	<0.002	<0.006	100
1	65.47	10/29/2008	344	1240	<0.001	<0.001	<0.001	<0.003	170
1	65.68	2/2/2009	328	1160	ХХХ	ХХХ	ххх	ХХХ	166
1	65.73	5/4/2009	332	1240	ХХХ	ХХХ	ХХХ	ххх	158
1	65.85	8/10/2009	348	1170	XXX	XXX	ХХХ	XXX	159
1	65.98	10/27/2009	380	1200	XXX	ХХХ	ХХХ	ХХХ	168
1	66.21	3/12/2010	436	1290	ХХХ	XXX	ХХХ	ХХХ	198
1	66.32	6/4/2010	428	1440	ХХХ	ХХХ	ХХХ	ХХХ	160
1	66.42	8/30/2010	530	1600	ХХХ	ХХХ	XXX	ХХХ	130
1	66.54	12/10/2010	472	1250	ХХХ	ХХХ	ХХХ	ХХХ	202
1	66.68	3/23/2011	510	1490	ХХХ	ХХХ	ХХХ	ХХХ	193
1	66.84	6/20/2011	470	1290	ХХХ	XXX	XXX	ХХХ	188
1	66.94	9/20/2011	500	1420	XXX	ХХХ	ХХХ	ХХХ	221
1	67.14	12/15/2011	480	1330	ХХХ	ХХХ	ХХХ	ХХХ	222
VVV. N.	VVV. Not Campled	COUNTRACTION OF THE OWNER	Correction of						

XXX: Not Sampled with NMOCD Permission

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December 27, 2011

Hack Conder Rice Operating Company 112 W. Taylor Hobbs, NM 88240

RE: HOBBS JUNCTION E-33-1

Enclosed are the results of analyses for samples received by the laboratory on 12/19/11 15:46.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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/ga/lab 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.

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,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

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

Received:	12/19/2011	Sampling Date:	12/15/2011
Reported:	12/27/2011	Sampling Type:	Water
Project Name:	HOBBS JUNCTION E-33-1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T18S-R38E-SEC33 E-LEA CTY., NM		

Sample ID: MONITOR WELL #1 (H102734-01)

Chloride, SM4500Cl-B	mg,	/L	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	480	4.00	12/27/2011	ND	108	108	100	0.00	
Sulfate 375.4	mg/L Analyzed By: HM				· · · · · · · · · · · · · · · · · · ·				
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	222	10.0	12/27/2011	ND	18.6	93.0	20.0	0.539	
TDS 160.1	mg/L			d By: HM					
Analyte	alyte Result Reporting Limit Analyzed		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	1330	5.00	12/21/2011	ND	232	96.7	240	4.31	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arishap, whether based in contract or bort, shall be imited to the amount paid by client for analyses. All claims, heluding those for negligence and any other cause whotopener shall be deemed watered unitsm matching and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be lable for inclusinal or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurved by client, its substituries, affiliates or successors arbiting out of or related to the performance of the services hereander by Cardinal, regardless of whether such claim is based upon any of the solve static reasons or otherwise.

Celez Di Kune

Celey D. Keene, Lab Director/Quality Manager



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 SM4500CI-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

PLEASE NOTE: Liability and Damages. Cardinal's liability and delent's exclusive remedy for any claim arising, whether based in contract or bort, shall be limited to the amount padd by client for analyses. All datms, including these for negligence and arry other cause whatsoever shall be limited to the amount padd by client for analyses. All datms, including these for negligence and arry 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 incidential or consequential damages, including, without limitation, business hisraptions, loss of use, or loss of profits incurred by client, its subskiteries, affiliates or successors arising out of or related to the performance of the services harrander by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples then thal not be reproduced except in full with written approval of Cardinal Laboretories.

Celey Di Keine

Celey D. Keene, Lab Director/Quality Manager

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CHAIN-OF-CUSTC	LAB Ordej ID #	ANALY: ANALY:		2`00?	rtended (C35) Se Hg 6010B/2 Se Hg	a.Că.Cř.Pb. Ba:Că.Cř.Pb	18/602 1 Volatiles 1 Volatiles 1 Volatiles	87EX 802 1.814 H9T 1.814 H9T 1.814 H9T 1.815 HA9 H919 H919 H919 H919 H919 H919 H919							Friorie Results Yes No Fax Results Yes No	REMARKS: Email Results to: hConder@riceswd Com	weinheimer@rice.ecs. kjones@riceswd.com rozanne@valornet.com	CHAINER AND THE REAL PROPERTY AND T
		BILL TO Company: RICE Operating Company	Address: (Street, City, Zip) 122 W Taylor Street - Holine Navi Mavina Re200	122 W Taylor Street ~ Hobbs, New Mexico 88240 Pijone#: Fax# (575) 393-9174: (575)397=1471	75) 397-1471			(С) (зр. 600 ст.) МАТЕК МОИЕ МОЕ МО	1 12-15 5						MUNDON 12.19.201 15:44	Time	Sample Condition Sample Condition Yes Cool Intact Yes Cool Intact No No No (initials)	# 20
obs, New	MEXICO 8824U Tei (575) 353-2256 Fax (575) 353-2476	company Name: RICE Operating Company	olect Manager. Hack Conder	t, City, Zip) tt - Hobbs, New Mexico 66240	on E-33	ged tocation. T18S-R38E-Sec33 E ~ Lea County - New Mexico	LAB#		Monitor Well #1				in the second	A Date: Time:	5 11-12-15-201 15.45.	Date: Time:	Delivered By: (Circle One) Sam Sampler UPS - Bus - Other:	

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