BW - \_\_\_031\_\_\_

### WATER MONITORING REPORTS



### **Notes and Definitions**

J	Estimated conentration. Analytic concentration between MDL and RL.
NID	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
4.46	Samples not received at proper temperature of 6°C or below.
N.A.IR	Insufficient time to reach temperature.
2	Chloride by SN45000HB does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on repor-

Cardinal Laboratories

\*=Accredited Analyte

REPORT WITH MARRING and Damages. Destrook learning and chemics exclusive rememby for any claims enemy, whether based in compact or tork, shall be limited to the amount paid by clear for analyses. All claims, including those for negligence are
sety offer claims were extended as the learning claims of the applicable service. In no event shall Cardinal be labele for incidental or consequential damage
relations, without intelletion, failures, interruptions, base of use, or less of some of modes or successors among out of or related to the performance of the services because or successors
dams claims upon any offere claims dataset extended on the complex processor or successors.

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Celley D. Keene, Lab Director/Quality Manager



June 24, 2019

GARY SCHUBERT

ETZ WATER STATION

PO BOX 6056

HOBBS, NM 98241

RE: SCHUBERT

Enclosed are the results of analyses for samples received by the laboratory on 06/10/19 15:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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.treep.texas.gov/field/ga/lish-accredited-certif-html">www.treep.texas.gov/field/ga/lish-accredited-certif-html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Total Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (Vt. V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-8 Total Coliform and E. coli (Colifert MNO-MUG)
Method EPA 524.2 Regulated VOCs and Total Trihalomethanes (TTHM)

Method EPA 552.2 Total Haloacetic Acids (HAA-5)

Celecy D. Keine

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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,

Celley D. Keene

Lab Director/Quality Manager





ETZ WATER STATION PO BOX 6056 HOBBS NM, 88241

Project: SCHUBERT

Project Number: SCHUBERT #7 WELL Project Manager: GARY SCHUBERT

Fax To:

Reported: 24-Jun-19 12:00

Sample 10	Laboratory ID	Matrix	Date Sampled	Date Received
BRINE WATER	H902012-01	Water	10-Jun-19 09:45	10-Jun-19 15:45
MONITOR WELL	H902012-02	Water	10-Jun-19 09:47	10-Jun-19 15:45
FRESH WATER	H902012-03	Water	10-Jun-19 09:50	10-Jun-19 15:45

Cardinal Laboratories

\*=Accredited Analyte

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ETZ WATER STATION PO BOX 6056 HOBBS NM, 88241 Project: SCHUBERT
Project Number: SCHUBERT #7 WELL

Project Manager: GARY SCHUBERT

Fax To:

Reported: 24-Jun-19 12:00

### BRINE WATER H902012-01 (Water)

Analyne	Remails	MIDL	Reporting	Units	Dilution	Battch	Analyst	Analyzed	Method	Notes
			Cardin	al Laborati	ories					
Inorganic Compounds										
Alkalinity, Bigarbonate	83.0		5.00	mg/L	1	9060311	AC	12-Jun-19	310.1	
Alkalimity Curbonate	<1.00		1.00	mag/L	1	9060311	AC	12-Jun-19	310.1	
Chloride*	196000		4.90	mg/L	1	9060719	AC	13-Jun-19	4500-CI-B	
Conductivity*	253000		1.00	uS/cm	1	9061112	AC	12-Jun-19	120.1	
phi	6.94		0.100	pH Units	1	9061112	AC	12-Jun-19	150.1	
Sulfate*	41.40		833	ung/L	83.33	9061107	AC	11-Jun-19	375.4	
TDS*	31,4000		5.00	ing/L	1	9060701	AC	13-Jun-19	160.1	
Alkalinity, Total*	68.0		4.00	mg/L	î	9060311	AC	12-Jun-19	310.1	
			Green Ana	dytical Lab	oratories					
Total Recoverable Metals by	ICP (E200.7)									
Calcium*	1570		20.0	mg/L	200	B906139	AES	18-Jun-19	EPA200.7	
Magnesium*	433		20.0	mg/L	200	8906139	AES	18-Jun-19	EPA200.7	
Potassium*	238	13.5	200	nng/L	200	B906139	AES	18-Jun-19	EPA 200 7	
Sadium*	141000		1000	mg/L	1000	18906139	AES	19-Jun-19	EPA200.7	

### Cardinal Laboratories

\*=Accredited Analyte

REDINE NOTE: Lapsing the Demands to the answer of the services and callins, including those for negligence as the other based or consists or too, shall be lambed to the answer bad by client for analyses. All callins, including those for negligence are offer thank whiteheaver small in demands where the services including the other consistency of the applicable struck. In no event shall Capthial be safely for including an extensive confidence of the services including the other confidence of the services because of the services because of the services because by Capthial, regardless of whether such that a substance of the services because of the se

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**ETZ WATER STATION** PO BOX 6056 HOBBS NM, 88241

Project: SCHUBERT Project Number: SCHUBERT #7 WELL

Project Manager: GARY SCHUBERT

Fax To:

Reported: 24-Jun-19 12:00

### MONITOR WELL H902012-02 (Water)

Ansilytic	Result	MOL	Reporting	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	al Laborat	ories					
Inorganic Compounds										
Alkalinity, Bicarbonate	215		5.00	mgl	4	9060311	AC	12-Jun-19	310.1	
Alkalininy Carbonase	<1.00		1.00	ung.L	1	9060311	AC	12-Jun-19	310.1	
Chloride*	76.0		4.00	mg/L	1	9060719	AC	13-Jun-19	4500-CI-B	
Conductivity*	660		1.00	uS/cm	1	9061112	AC	12-Jun-19	120.1	
phi"	7.94		0.100	phi Units	1	9061112	AC	12-Jun-19	150.1	
Sulfate*	GILS		10.0	mg/L	1	9061107	AC	11-Jun-19	375.4	
rps*	435		5.00	mgA	1	9060701	AC	13-Jun-19	160.1	
Alkalinity, Total	176		4.00	mag/L	1	9060311	AC	12-Jun-19	310.1	
			Green And	alytical Lab	oratories					
Total Recoverable Metals by	ICP (\$200.7)			one a local design party	THE RESERVE OF STREET				200 s 2000 7	
Culcinm*	55.1		0.500	mage/2	5	8906139	AES	18-Jun-19	EPA200.7	
Magnesium*	17.0		0.300	ing/L	5	8906139	AES	18-Jun-19	EPA200.7	
Potnesium"	2.27	0.339	5.00	ung/L	5	B906139	AES	18-Jun-19	EPA200.7	
Sadium	69.0		5.00	mag it	5	8906139	AES	18-Jun-19	EPA200.7	

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Fulfisher Notice usually and Decrease. Conditionally hashing and diserts recommend intending these for negligence as any date causes whitesterness shall be tended to the applicable service. In no event shall Cardinal be label for incidental or consequential damage any date causes whitesterness shall be tended unless table in vesting and recommend by Cardinal whites their completion of the applicable service. In no event shall Cardinal be label for incidental or consequential damage including, without shall be consequential because of the service hereunder by Cardinal regardless of whether our including the consequential constitution of the consequential conseque

Alex & Kunn -



ETZ WATER STATION PO BOX 6056 HOBBS NM, 88241 Project: SCHUBERT

Project Number: SCHUBERT #7 WELL

Project Manager: GARY SCHUBERT

Fax To:

Reported: 24-Jun-19 12:00

FRESH WATER

H902012-03 (Water)

Analyse	Result	MOL	Reporting Lumit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	al Laborat	ories					
norganic Compounds		annon autono da la Calana			units.					
Alkalinity, Bicarbonate	229		5.00	mg/L	1	9060311	AC	12-Jun-19	310.1	
Alkalimity, Carbonate	< 0.000		1.00	met	1	9060311	AC	12-Jun-19	310.1	
Chloride*	136		4.00	mg/L	A.	9060719	AC	13-Jun-19	4500-CI-B	
Candactivity*	10-40		1.00	uS/cus	1	9061112	AC	12-Jun-19	120.1	
phi-	7.81		0.100	pH Units	1	9061112	AC	12-Jun-19	150.1	
Sulfate*	196		25.0	mg/L	2.5	9061107	AC	11-Jun-19	375.4	
TDS*	674		5.00	mag/L	*	9060701	AC	13-Jun-19	160.1	
Alkalinity, Total*	180		4.00	mg/L	.1	9060311	AC	12-Jun-19	310.1	
			Green Ana	dytical Lab	oratories					
Total Recoverable Metals by	ICP (E200.7)			w/m (mm - 1 mm -						
Calcians*	101		0.500	mg/L	5	B906147	AES	19-Jun-19	EPA200.7	
Magnesium*	27.9		0.500	mg/L	5	8906147	AES	19-Jun-19	EPA200.7	
Potassium*	3.78	0.339	5.00	wng/L	5	13906147	AES	19-Jun-19	EPA200.7	
Sadium*	97.8		5.00	mg/L	5	13906147	AES	19-Jun-19	EPA200.7	

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NUMBER HOTE: Liability and dismagn. Denotate liability and dismagn. Additionally and received by Cardinal widow them; (60) days where completions of the applicable service. An no every shall Cardinal be liability for incidency or consequenced carange intelliging, without trinslation, flutteness themselves, less of nine, or liabs or pride incidency of district. So additionally, without or successor among suit of or released to the performance of the services hereunder by Cardinal, repartiess of whether suitable district among or accessor of the services hereunder by Cardinal, repartiess of whether suitable district among or accessor of the services hereunder by Cardinal, repartiess of whether suitable district among or accessor of the services hereunder by Cardinal, repartiess of whether suitable district among or accessor of the services hereunder by Cardinal, repartiess of whether suitable districts among or accessor of the services hereunder by Cardinal, repartiess of whether suitable districts among or accessor of the services hereunder by Cardinal, repartiess of whether suitable districts among or accessor of the services hereunder by Cardinal, repartiess of whether suitable districts among or accessor of the services hereunder by Cardinal, repartiess of the services hereunder by Cardinal and the representation of the services hereunder by Cardinal and the representation of the services hereunder by Cardinal and the representation of the services hereunder by Cardinal and the representation of the services are serviced by the se





ETZ WATER STATION PO BOX 6056 HOBBS NM, 88241 Project: SCHUBERT

Project Number: SCHUBERT #7 WELL

Project Manager: GARY SCHUBERT

Fax To:

Reported: 24-Jun-19 12:00

### Inorganic Compounds - Quality Control

### **Cardinal Laboratories**

turally be	Result	Reporting	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Linux	Notes
latch 9060311 - General Prep Wet Chem										
Shark (9060311-81 K1)				Prepared 8	t Analyzed	04-Jun-19				
Jhalining, Carbonate	ND	1 90	mag/L							
Hadridge Breathmane	5.00	5.00	mg/L							
disculturating. Brotali	4 00	4.90	mgl							
.CS (9060311-BS1)				Prepared &	& Analyzed	04-Jun-19				
Medinity, Carltonate	ND	2.50	mg/L				80-120			
Alkalinnis Breathonane	305	12.5	maga/k.				80-120			
Monitority, Total	250	10.0	mg/L	250		100	80-120			
LCS Dup (9060311-BSD1)				Prepared 6	& Analyzed	: 04-Jun-19				
Micalinus, Carbonate	ND	2.50	ing/L				80-120		20	
Albalimity Busebenane	330	12.5	man L				80-120	7.87	20	
Alkalisoity. Total	270	10.0	mel	250		108	80-120	7.69	20	
Batch 9060701 - Filtration										
Biank (9966701-BLK1)				Prepared	07-Jun-19	Analyzed: I	1-Jun-19			
TIQS.	ND	5.00	ung/L							
LCS (9060701-BS1)				Prepared	07-Jun-19	Analyzed !	11-Jun-19			
TIDS.	525	otern a composition to a	mg/L	527		99.6	80-120			
Duplicate (2068701-DLP4)	So	urve: 1190197-	1-01	Prepared	07-Jun-19	Analyzed:	11-Jun-19			
TIDS.	430	5.00	mg/L		388			10.3	20	
Batch 9060719 - General Prep - Wet Chem	STATE OF THE PARTY									
Bhark (9060719-BLK1)	000000	and the second s		Prepared	: 07-Jun-19	Analyzed:	10-Jun-19	atomic and a second		
Chlorade	ND	4.90	mg/L							

### Cardinal Laboratories

\*=Accredited Analyte

CURRENT NOTE: Intensity and Committee. Cardinalis statistics and clients evaluate committee for negligence as an other current past by state to analyses. All claims, including these for negligence as an other current past by state to analyses. All claims, including these for negligence as an other current past by state to analyses. The event shall Current be liable for incidental or consequential damage instance. The event shall claim to event shall be liable for incidental or consequential damage instance. Instance, incommittee the event shall claim to event shall claim to event shall be liable for incidental or consequential damage. Instance, incommittee the event shall be sententially as a shall be shall be sententially as a shall be sha

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**ETZ WATER STATION** PO BOX 6056 HOBBS NM, 88241

Project: SCHUBERT

Project Number: SCHUBERT #7 WELL

Project Manager: GARY SCHUBERT

Fax To:

Reported: 24-Jun-19 12:00

### Inorganic Compounds - Quality Control

### **Cardinal Laboratories**

malyne	Result	Reporting	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
		W-00								
atch 9666719 - General Prep - Wet Chem							hun 10			
CS (9060719-BS1)	No. of Concession, Name of Street, Str			The same of the sa	7-Jun-19 A	inalyzed 10				
Nonde	96,0	4.90	mg/L	\$100		96.0	\$0-120			
CS Dup (9068719-BSD1)				Prepared 0	7-Jun-19 /	Inalyzed: 10		1.00	20	
hilomatic	100	4.00	mg/L	100		100	80-120	4.08	20	
datch 9061107 - General Prep - Wet Chem										
Blank (906 1107-BLK1)				Prepared &	k Analyzed	1. 11-Jun-19	Market and the second second second	u		
outline	ND	10.0	mg/L							
TH13Hrc				Damana d A	& Analyza	t 11-Jun-19				
LCS (9061107-BS1)				20.0	x many cox	108	80-120			
Sulfine	21.6	10.0	mg/L	-						
THE PARTY NAMED TO STATE OF TH				Prepared .	& Analyze	d: 11-Jun-19			200	
LCS Dup (996) (97-BSD1)	21.3	0.04	mg/L	20.0		106	80-120	1.54	20	
Sulfane	80,00									
Baigh 9061112 - General Prep - Wet Chem				Prevaped	11-han-19	Analyzed:	12-Jun-19			
LCS (9061112-BS1)	THE STREET	- taco	. X. /a-4-	100000		91.9	80-120			
Considerationship	37300		uS/cm pH Units	7.00		101	90-110			
ight).	7.09		has Caus							
CONTRACTOR BY THE PARTY.	S	ource: H90200.	-01	Prepared	11-Jun-19	Analyzed	12-Jun-19		20	
Duplicate (9861112-D1 P1)	9.01	9,100	pH Units		8.98			0.334	20	
pH	11000	1.00	aS/cm		11000	)		0.273	20	
Conductivity	492.00									

\*=Accredited Analyte

Figure 1. Labelity and Dumagns. Certaints lattiffs and dients eviduate remark to any dam excits, science based in cuback or took stall be limited to the amount past by dent for analyses. All claims, including chose for negligence are any other cause weatsomer stall the distinctic some units and a virtual past of the services are some units and the control of the services are some units and the control of the services because of the services of the services because of the services of the services because of the services o

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### Analytical Results For:

ETZ WATER STATION PO BOX 6056 HOBBS NM, 88241

Project: SCHUBERT

Project Number: SCHUBERT #7 WELL Project Manager: GARY SCHUBERT

Reporting Spike Source

Reported: 24-Jun-19 12:00

Fax To:

### Total Recoverable Metals by ICP (E200.7) - Quality Control

### Green Analytical Laboratories

Amiliane	Result	Limit	Units	Level	Result	%RBC	Limits	RPD	Limit	Notes
Batch B906139 - Total Rec. 200.7/20	0.8/200.2									
Blank (B906139-BLK1)				Prepared	14-Jun-19 A	nalyzed	18-Jun-19			
Sodium	ND	1,100	mg/L							
Culcum	ND	0.100	mg/L							
Magnesium	ND	0.190	mg/L							
Pontoment	0.121	8.00	mg/L							
LCS (8906139-881)				Prepared	14-Jun-19 A	nalyzed	18-Jun-19			
Southern.	3.56	1.00	mg/L	3.24		110	85-115			
Chicum	4.19	0.100	mg/L	4.00		105	85-115			
Profesionists.	8.47	1.00	mig/L	8.00		106	85-115			
Magnesia	20.5	0.100	mg/L	20.0		103	85-115			
LCS Dup (B906139-BSD1)				Prepared	14-Jun-19 A	nalyzed	18-Jun-19			
Petasitus	8,49	1.90	mg/L	8.00		106	85-115	0.168	20	
Calcum	4.18	0,100	mg/L	4.00		105	85-115	0.250	20	
Magazanium	20.6	9,190	mg/L	20.0		103	85-115	0.406	20	
Sandtutten.	3,49	1.00	mg/L	3,24		108	85-115	2.06	20	
Batch B906147 - Total Rec. 200.7/20	0.8/200.2									
Blank (B916147-BLK1)				Prepared	17-Jun-19 A	nalyzed:	19-Jun-19			
Sedium	ND	1.00	mg/L							
Calcuses	ND	0.100	mg/L							
Pertuncition	9.222	1.198	mg/L							
Minumenium	ND	9.100	song/L							
LCS (8906).47-BS1)				Prepared:	17-Jun-19 A	nalyzed:	19-Jun-19			
Sedioun	3.63	1.00	mg/L	3.24		112	85-115			
Protitonistate	8.34	1.00	mg/L	8.00		104	85-115			
diagnesium	249, 2	0.100	mg/L	20.0		101	85-115			
Citikinam	4.15	0.190	mag/L	4.00		104	85-115			

### Cardinal Laboratories

\*=Accredited Analyte

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ETZ WATER STATION PO BOX 6056 HOBBS NM, 88241

Project: SCHUBERT

Project Number: SCHUBERT #7 WELL

Project Manager: GARY SCHUBERT

Fax To:

Reported: 24-Jun-19 12:00

### Total Recoverable Metals by ICP (E200.7) - Quality Control

### Green Analytical Laboratories

Amailyne	Result	Reporting Lunia	Units	Spake Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B906147 - Total Rec. 200,7/200,8/200,2										
LCS Dup (B996)47-BSD1)				Prepared	17-Jun-19 A	nalyzed: 1	9-Jun-19			
Portugueritin	8.19	1.00	mg/L	8.00		102	85-115	1.81	20	
Angine stanto	19.9	0.100	mg/L	20.0		99.3	85-115	1.67	20	
Sendiner	3.48	1.00	mag/L	3.24		107	85-115	4.43	20	
Calcium	4 194	0.100	mg/L	4.00		101	85-115	2.61	20	

\*=Accredited Analyte

Cardinal Laboratories

Celley & trans



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

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	BILL TO						Zip:			SAMPLING	DATE	C. 10/19	6/10/19 9:4-14	60000 SCO	
	31/6									2	NEW TO	-		-	
			Company:		100			*		PRESERV.	1000 / 30				
		P.O. #;	upa	1	Address:	2	te;	Phone #:	**	PRE	CIDSEASE				
		P.0	S	Attas	Ade	City	State:	6	Fax #:	Г	: ABHTC				
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9 40				ZIP						L	GIRARE OR (CYOMP.	B	3	9	
101 East Marland, Hobbs, NM 88240 (575) 363-2326 FAX (575) 393-2476	Company Name: CT.7 Cote State	Project Manager: Gord Schube &	Address: P.O. Box 5102	Johns State: NM Zip: 8824	Phone #: 575 631 0962 Fax#:	Project Owner:	Project Name: Galder Semoles	Project Location: Schuther to 1 Well	arrest Ben Descent		5. Sample I.D.	Bros Conter	Z Mondey Card	3 Fresh Woode	
	Company N	Project Man	Address; F	City: Hobbs	Phone #: 5	Project #:	Project Nan	Project Loc	Sampler Name:	FOR LAS USE ONLY	Lab I.D.	1			

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garymsdumaa (ganal com Phone Result | 1 Yes | 1 No Addit Phone 8: Pax Result | 1 Yes | 1 No Addit Fax 8: REMARKS: email Results to CHECKED BY: (Initials) 0 Sample Condition Cool Intact 0.2° Hay 21/0/19 75:45 Sampler . UPS - Bus - Other: Delivered By: (Circle One) clinquished By elinquished By

### Chavez, Carl J, EMNRD

From:

Chavez, Carl J, EMNRD

Sent:

Tuesday, August 25, 2009 10:01 AM

To:

'garymschubert@aol.com'

Subject:

BW-31 MIT & August 17, 2009 Letter w/ Inquiry

Gary:

Good morning.

The recent MIT chart from the Formation MIT may be viewed and printed at <a href="http://ocdimage.emnrd.state.nm.us/imaging/AEOrderFileView.aspx?appNo=pLWP0601059835">http://ocdimage.emnrd.state.nm.us/imaging/AEOrderFileView.aspx?appNo=pLWP0601059835</a> (click on the "MITs" folder). Your facilities (Brine well location and load-out station) looked good. The only comments from my inspection are: 1) Brine storage tanks must be bermed and lined (30-mil String Reinforced Linear Low-Density Polyethylene- LLDPE or LLDPE was recently identified as the liner of choice by OCD in the Pit Rule- Part 17) to contain 1 + 1/3 volume of a single tank or all interconnected tanks volume; I didn't notice any bermed tanks near the brine well, and assume that they are all fresh water. 2) Similarly, the 10 brine storage tanks at the load-out facility looked good, but there is some concern about the volume that the berm will contain in the event of a release from all interconnected tanks. Should the berm dimensions be expanded to address this requirement? 3) Some black tanks were sitting in a bermed unlined area at the load-out facility. I presume you are making plans to place them on a liner?

The OCD is in receipt of your brine production information and monitoring data from your letter dated August 17, 2009. .I will be adding a "Reports" folder from any monthly or quarterly reporting received; however, I think there is a provision in the BW-031 discharge permit that allows you to compile all of the year's data and send it to the OCD in the Annual Report. This would be most efficient for us and you. It is good that you are thinking about the way you keep your production records, etc., organized as this information should be incorporated into the annual report.

Please contact me if you have questions. Thank you.

Carl J. Chavez, CHMM New Mexico Energy, Minerals & Natural Resources Dept. Oil Conservation Division, Environmental Bureau 1220 South St. Francis Dr., Santa Fe, New Mexico 87505

Office: (505) 476-3490 Fax: (505) 476-3462

E-mail: CarlJ.Chavez@state.nm.us

Website: <a href="http://www.emnrd.state.nm.us/ocd/index.htm">http://www.emnrd.state.nm.us/ocd/index.htm</a> (Pollution Prevention Guidance is under "Publications")

### HRC,Inc. P.O. Box 1606 Hobbs, NM 88241-6056 (575) 393-6662 (575) 393-6662 Fax

RECEIVED 2009 AUG 24 PM 1 37

August 17, 2009

Mr. Carl Chavez Environmental Bureau Chief Oil Conservation Division 1220 South Saint Francis Drive Santa Fe, NM 87505

Re: BW - 301 31

Mr. Chavez,

Please see attached information:

- 1. Copies of monthly brine production and fresh injection for the remainder of 2008 and up to the present of 2009.
- 2. Monitor well analytical.
- 3. Brine production sample analyticals.
- 4. Fresh (injection water) samples.

I understood that these are due for the previous year each January. If I am wrong and you want them monthly or quarterly, I will be happy to send them like that. Actually, it would be easy for us to send the production monthly when we are doing our billing and other reports. Please let me know what would work best for you. Thanks for your help.

Sincerely,

Gary M. Schubert

BW - 31 SCHUBERT 7 - WELL # 1

### **YEAR 2009**

MONTH	BRINE PRODUCTION (BY Meter)	FRESH WATER INJECTED (By Meter)	
Ianuar-	20 104	22.750	
January February	29,196 17,626	23,750 19,038	
March	8,385	9,521	
	•	·	
April	11,213	10,376	
May	16,182	16,145	
June	16,742	19,045	
July	23,102	26,381	
August	,	,	
September			
October			
November			
December			

Total

BW – 31 SCHUBERT 7 – WELL # 1

### **YEAR 2008**

MONTH	BRINE PRODUCTION (BY Sales Receipts)	BRINE PRODUCTION (By Run Time)	FRESH WATER INJECTED (By Meter)
January	27,797	28,370	28,600
February	23,793	23,800	24,000
March	25,132	25,640	25,900
April	27,832	27,980	28,200
May	25,474	25,890	25,700
June	19,360	19,770	19,900
July	23,778	24,100	24,000
August	29,435	29,810	30,500
September	28,866	29,400	31,800
October	33,187	33,500	35,000
November	19,130	19,430	21,600
December	17,788	<u>18,300</u>	<u> 20,900</u>
Totals	301,572	305,990	316,100



August 17, 2009

Gary Schubert HRC 1720 North Turner Hobbs, NM 88240 SCHUBERT 7 No. 1

Re: May-09 Sampling

Enclosed are the results of analyses for sample number H18014, received by the laboratory on 08/17/09 at 10:35 am.

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 though 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 524.2 Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 3 (includes Chain of Custody)

Muf S.V

Laboratory Director



ANALYTICAL RESULTS FOR

HRC

ATTN: GARY SCHUBERT

1720 N. TURNER HOBBS, NM 88240

Receiving Date: 08/17/09

Reporting Date: 08/17/09

Project Owner: NOT GIVEN

Project Name: MAY-09 SAMPLING

Project Location: NOT GIVEN

Analysis Date: 08/17/08

Sampling Date: MAY-09

Sample Type: WATER

Sample Condition: INTACT @ 240C

Sample Received By: AB

Analyzed By: AB

		CI
LAB NO.	SAMPLE ID	(mg/L)
H18014-1	BRINE WEST TANKS	188,000
H18014-2	BRINE EAST TANKS	192,000
H18014-3	MONITOR WELL	760
Quality Con	trol	500
True Value	QC	500
% Recovery	1	100
Relative Pe	rcent Difference	< 0.1

		· ,
METHOD: Standard I	Methods	4500-Cl⁻B

Samples analyzed outside the EPA recommended hold time of 28 days.



ANALYTICAL RESULTS FOR

HRC

ATTN: GARY SCHUBERT

1720 N. TURNER HOBBS, NM 88240

Receiving Date: 11/21/08

Reporting Date: 11/21/08
Project Owner: NOT GIVEN

Project Name: ET 2

Project Location: NOT GIVEN

Analysis Date: 11/21/08

Sampling Date: 11/02/06 - 11/10/08

Sample Type: GROUND & PRODUCED WATER

Sample Condition: COOL & INTACT

Sample Received By: AB

Analyzed By: HM

		CI
LAB NO.	SAMPLE ID	(mg/L)
H16373-1	LINE WATER NOV. 06	136,000
H16373-2	FRESH WATER MW NOV. 06	1,480
H16373-3	WEST TANK WATER MAY 07	146,000
H16373-4	FRESH WATER MW MAY 07	1,460
H16373-5	EAST TANK WATER NOV. 07	148,000
H16373-6	FRESH WATER MW NOV. 07	1,520 ~
H16373-7	FILL LINE BRINE NOV. 08	134,000
H16373-8	FRESH WATER MW NOV. 08	820
		· · · · · · · · · · · · · · · · · · ·
Quality Contro	ol	500
True Value Q	C	500
% Recovery		100
Relative Perc	ent Difference	< 0.1
METHOD: SI	tandard Methods	4500-Cl B

Chemist

Date

MONTH	FLOW (MG)		NO3 -N (mg/l)	TKN (mg/l) NO3 -N (mg/l) TOTAL-N (mg/l)	TDS (mg/l)	CL (mg/l)	The state of the s	BOD (mg/l)	9(1)		FECALS (cfu/100 mls)	0 mls)
							MAX	AVG	# TESTS	MAX	AVG	#TESTS
JAN	92.479	15.8	0.3	16.15	735	260	37.8	18.8	1	232	50.0	31
FEB	82,956	11.7	0.1	11.80	7.3	270	23.7	14.7	12	326	50.2	28
MAR	94.833	13.0	0.7	13.65	698	265	14.5	11.7	10	70	22.0	31
PR	92.17	9.4	1.9	11.27	787	285	26.2	16.0	12	92	23.3	30
MAY	95.5321	8.5	2.6	11.08	733	285	18.3	13.2	5	871	25.1	30
NON	113.338	9.8	2.4	12.20	684	305	37.8	18.2	11	66	20.7	30
nr n	130.975	8.8	2.4	11.16	614	270	23.1	16.4	13	1280	34.7	30
JG	106.499	7.8	6.0	8.67	723	260	22.2	14.8	12	144	21.0	30
ЕР	99.145	9.6	1.33	10.93	585	205	21.8	13.7	13	148	7.4	30
CT	103.187	4.8	5.9	10.66	789	271	22.0	15.3	11	50	6.2	31
70	98.374	13.3	4.1	17.42	763	270	19.7	14.4	11	180	6.7	30
DEC	113.372	10.8	15	12.31	591	205	35.4	2.6	13	143	1.5	31
TOTAL	1222.860				A CONTRACTOR OF THE PARTY OF TH	And the second s						
AVG	101.905	10.28	2.00	12.27	642.4	262.6	25.2	14.7	12	302.9	22.4	30

INJECTION (FRESH) H20

## JUNCTION BOX EFFLUENT (S&H FARMS) 2007

MONTH	FLOW (MG)	TKN (mg/l)	NO3 -N (mg/l)	TOTAL-N (mg/l)	TDS (mg/l)	CL (mg/l)		BOD (mg/l)	(1/1	G.	FECALS (cfu/100 mls)	0 mls)
							MAX	AVG	# TESTS	MAX	AVG	# TESTS
JAN	111.344	14.7	2.36	17.06	655	205	14.3	9.3	12	11	1.6	31
FEB	95.589	16.0	3.34	19.34	699	220	12.7	7.0	12	32	1.3	28
MAR	104.956	12.1	2.70	14.80	624	210	27.9	15.4	12	41	4.5	31
APR	97.363	7.7	6.24	13.94	611	205	22.0	16.9	12	53	6.6	30
MAY	101.017	11.0	1.03	12.03	714	235	21.9	15.3	14	130	1.2	31
NOC	103.272	17.9	0.30	18.20	732	250	32.0	22.9	13	83	11.5	30
JUL	112.219	11.4	0.88	12.28	731	240	41.5	22.0	11	374	20.4	31
AUG	118.104	12.4	0.10	12.50	750	225	29.0	9.6	12	93	10.0	31
SEP	108.15	11.3	3.94	15.24	734	255	36.7	23.9	12	21	1.0	30
OCT	99.115	9.6	1.17	10.77	676	250	26.2	17.8	13	158	15.3	29
NOV	94.973	13.9	2.54	16.44	768	250	29.5	12.9	13	213	46.7	30
DEC	98.764	19.8	2.38	22.18	724	210	39.8	27.8	11	1688	109.2	31
TOTAL	1244.866											
AVG	103.739	13.15	2.25	15.40	0.669	229.6	27.8	16.7	12	241.4	19.4	30

Lab error on J-box sample-TKN/Nitrate values from Filter effluent, NMED notified.

### JUNCTION BOX EFFLUENT (S&H FARMS) 2008

MONTH	FLOW (MG)	TKN (mg/l)	NO3 -N (mg/l)	NO3 -N (mg/l)   TOTAL-N (mg/l)	TDS (mg/l)	CL (mg/l)		BOD (mg/l)	(1/5	ш	FECALS (cfu/100 mls)	0 mls)
							MAX	AVG	# TESTS	MAX	AVG	# TESTS
JAN	103.366	22.8	0.26	23.06	729	205	41.5	23.6	12	805	43.5	30
FEB	77.87	14.7	0.01	14.71	744	230	20.6	15.7	6	133	13.9	27
MAR	98.616	21.3	0.38	21.68	775	230	11.6	7.2	8	38	10.6	31
APR	91.515	14.0	0.01	14.01	821	250	25.1	17.0	12	215	27.0	30
MAY	100.292	14.8	0.01	14.81	838	280	20.4	15.5	12	124	22.0	30
NOC	112.632	11.4	0.01	11.41	836	265	24.8	13.8	12	45	1.0	30
JUL	107.466	13.5	0.01	13.51	717	230	22.5	15.1	13	158	18.0	31
AUG	118.255	12.4	0.01	12.41	765	280	18.5	13.4	12	352	22.7	30
SEP	90.087	11.6	0.01	11.61	687	235	19.8	13.1	12	392	27.8	30
OCT	91.561	17.2	0.01	17.21	724	275	16.5	10.4	16	185	55.1	31
NOV	101.27	24.1	0.01	24.11	828	275	20.4	15.4	15	254	69.7	29
DEC	106.897	24.6	1.07	25.67	805	255	26.9	15.8	15	55	4.0	31
TOTAL	1199.827											
AVG	986.66	16.87	0.15	17.02	772.4	250.8	22.4	14.7	12.3	229.7	26.3	30

### JUNCTION BOX EFFLUENT (S&H FARMS) 2009

H	MONTH FLOW (MG)		NO3 -N (mg/l)	TKN (mg/l) NO3 -N (mg/l) TOTAL-N (mg/l)	TDS (mg/l)	CL (mg/l)		BOD (mg/l)	(1)	F	FECALS (cfu/100 mls)	(slm)
						- 1	MAX	AVG	#TESTS	MAX	AVG	# TESTS
JAN	109.563	3.0	14.60	17.60	748	165	29.6	24.9	12	2048	21.6	37
FEB	89.000	29.6	0.00	29.60	874	280	36.5	29.9	12	864	52.4	30
MAR	766.66	32.1	0.01	32.11	871	290	44.7	24.9	12	256	34.5	31
APR	101.421	6.1	4.71	10.81	704	260	17.3	10.0	14	1196	32.2	30
MAY	105.744	11	4.80	5.90	828	185	12.5	7.8	14	313	26.4	31
NOS	112.440	1.4	4.39	5.79	750	270	8.7	7.2	13	648	17.9	30
JUL												
AUG												
SEP												
OCT												
NOV												
DEC												
TOTAL	618.165											
AVG	103.028	12.22	4.75	16.97	795.8	241.7	24.9	17.5	12.8	887.5	30.8	32