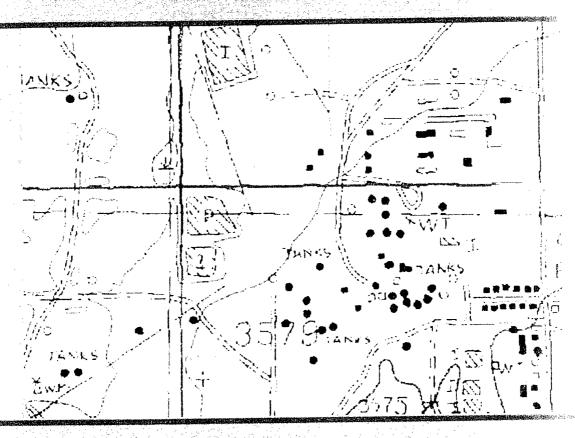
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ANNUAL MONITORING REPORT

YEAR(S): 2005

2005 Annual Groundwater Monitoring Report



D-1 Junction Box Site T20S, R36E, Section 1, Unit Letter D Lea County, New Mexico

R. T. HICKS CONSULTANTS, LTD.

R.T. HICKS CONSULTANTS, LTD.

1909 Brunson Avenue ■ Midland, Texas 79701-6924 ■ 432.638.8740 ■ Fax: 413.403.9968

CERTIFIED MAIL RETURN RECIEPT NO. 7099 3400 0017 1737 2374

January 6, 2006

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

RE: 2005 ANNUAL MONITORING WELL REPORT EME D-1 JUNCTION BOX SITE T20S-R36E-Section 1, Unit Letter D NMOCD CASE # Not yet assigned

Mr. Price:

R. T. Hicks Consultants, Ltd. takes this opportunity to submit the 2005 Annual Monitoring Well Report for the EME D-1 junction box site located in the Eunice Monument Eumont (EME) Salt Water Disposal (SWD) System. The Stage 1 Abatement Plan for this site was submitted to the NMOCD on December 5, 2005, and is administratively complete pending the on-going public notice procedures.

ROC is the service provider (operator) for the EME Salt Water Disposal System and has no ownership of any portion of pipeline, well, or facility. The EME SWD System is owned by a consortium of oil producers, System Partners, who provide all operating capital on a percentage ownership/usage basis.

Thank you for your consideration concerning this annual summary of groundwater monitoring information. If you have any questions, do not hesitate to contact me at (423) 638-8740 or Kristin Farris Pope at (505) 393-9174.

Sincerely,

Gilbert J. Van Deventer, REM, PG, NMCS

R. T. Hicks Consultants Ltd.

enclosures: Summary table & graphs, analytical results, well sampling data sheets

cc: LBG, CDH, KFP, file

TABLE AND GRAPH

Table 1 Summary of Groundwater Sampling Results EME D-1 Junction Box Site

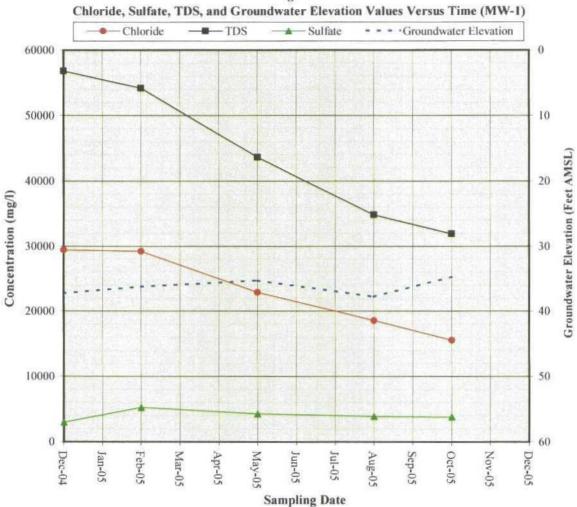
Monitoring Well	Sample Date	Depth to Groundwater (feet BTOC)	Chloride (mg/L)	Sulfate (mg/L)	TDS (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
MW-I	12/21/04	37.20	29,400	3,000	56,800	< 0.001	< 0.001	< 0.001	< 0.001
	02/09/05	36.20	29,200	5,220	54,200	< 0.001	< 0.001	< 0.001	< 0.001
	05/03/05	35.27	22,900	4,270	43,600	< 0.001	< 0.001	< 0.001	< 0.001
	08/13/05	37.74	18,600	3,900	34,800	< 0.001	< 0.001	< 0.001	< 0.001
	10/19/05	34.70	15,600	3,810	31,900	< 0.001	<0.001	< 0.001	< 0.001
	W	QCC Standards	250	600	1000	0.01	0.75	0.75	0.62

Total Dissolved Soilds (TDS), chloride, sulfate, and BTEX concentrations listed in milligrams per liter (mg/L)

Analyses performed by Environmental Lab of Texas (Odessa TX) or Cardinal Laboratories (Hobbs NM).

Values in boldface type indicate concentrations exceed New Mexico Water Quality Commission (WQCC) standards.

Figure 1



WELL SAMPLE DATA SHEETS

CLIENT: RICE Operating Company				mpany	WELL ID:		MW-1			
SYSTEM: EME							February 9, 2005			
SITE LOCATION: D-1 Junction Box						SAMPLER:	Gil Van Deventer			
					-		•			
PURGING	METHOD:		☑ Hand Ba	iled 🔲 Pu	mp If Pur	np, Type:				
SAMPLIN	G METHOD) :	☑ Disposat	ole Bailer [☑ Direct f	rom Discha	rge Hose □Other:			
DESCRIB	E EQUIPMI	ENT DECOI	NTAMINATIO	ON METHO	D BEFOR	RE SAMPLI	NG THE WELL:			
☑ Glove:	s 🗹 Alcono	x 🗹 Distille	ed Water Rir	nse 🗀t	her:					
DISPOSA	L METHOD	OF PURG	E WATER:	☐ Surface	e Discharg	je □Drun	ns ☑isposal Facility			
TOTAL D	EPTH OF W	/ELL:	42 65	Feet						
DEPTH T	O WATER:		36.20	Feet		_				
		COLUMN: 2.0		Feet		Minimum gallons to purge 3 well volumes 8 Actual Gallons purged				
			· ·	r · ·						
TIME	VOLUME PURGED (GAL)	TEMP. °C	COND. mS/cm	рН	DO (mg/L)	Fe ⁺² (mg/L)	PHYSICAL APPEARANCE AND REMARKS			
15:45	0						Began bailing			
15:47	1	19.2	> 20	7.19						
15:49	2	18.8	> 20	7.07						
15:51	3	18.8	> 20	6.87						
15:53	4	18.7	> 20	6.72						
15:55	5	18.7	> 20	6.68						
15:57	6	18.6	> 20	6.70						
15:59	7	18.3	> 20	6.71						
16:01	8	18.1	56	6.71			Diluted sample 3X to get conductivity value			
						16:05	Samples collected			
		·								
0:16	:Total Time	hr:min)	8	:Total Vol (gal)	0.50	:Average Flow Rate (gal/min)			
COMMEN	TS:									
Hanna Mo	del 98130 i	nstrument u	sed to obtain	n pH, condu	ıctivity, an	d temperat	ure measurements.			
Delivered	samples to	Environmer	ntal Lab of To	exas for BT	EX, Major	lons, and	TDS analysis.			

CLIENT: RICE Operating Compa				mpany	WELL ID:		MW-1		
SYSTEM: EME							May 3, 2005		
SITE LOCATION: D-1 Junction						Gil Van Deventer			
PURGINO	METHOD:		☑ Hand Ba	iled 🗆 Pu	mp If Pun	np, Type:			
SAMPLIN	G METHOD) :	☑ Disposat	ole Bailer [☑ Direct f	rom Discha	rge Hose Other:		
DESCRIB	E EQUIPM	ENT DECO	NTAMINATIO	ON METHO	D BEFOR	RE SAMPLI	NG THE WELL:		
☑ Glove	s 🗹 Alcono	x ☑Distille	ed Water Ri	nse 🗅 t	her:				
DISPOSA	L METHOD	OF PURG	E WATER:	☐ Surface	Discharg	je □Drur	ns 🗹 isposal Facility		
DEPTH TO HEIGHT (O WATER:	COLUMN:	42.65 35.27 7.38 Inch	Feet		4	Minimum gallons to purge 3 well volumes Actual Gallons purged		
TIME	VOLUME PURGED (GAL)	TEMP.	COND. mS/cm	рН	DO (mg/L)	Fe ⁺² (mg/L)	PHYSICAL APPEARANCE AND REMARKS		
10:30	0						Began bailing		
10:35	11	17.3	44.1	7.23					
10:40	2	17.3	<u>53</u> .7	7.04					
10:46	3	17.3	61.2	6.92					
10:50	4	16.3	55.2	7.19					
11:00							Samples collected		
		L.,							
				<u> </u>		· · · · · · · · · · · · · · · · · · ·			
						<u></u>			
	<u></u>			<u> </u>					
0:20	:Total Time	(hr:min)	4	:Total Vol (gal)	0.20	:Average Flow Rate (gal/min)		
COMMEN	ITS:								
Hanna Mo	odel 98130 i	nstrument u	sed to obtain	n pH, condu	ictivity, an	d temperat	ure measurements.		
Delivered	samples to	Environmen	ital Lab of To	exas for BT	EX, Major	lons, and	TDS analysis.		

CLIENT: RICE Operating Company						WELL ID:	MIVV-1		
SYSTEM: EME					DATE:		August 11, 2005		
SITE LOCATION: D-1 Junction Box						SAMPLER:	Patrick Van Deventer		
PURGING	METHOD:		☑ Hand Ba	iled 🗌 Pu	mp If Pur	mp, Type:			
SAMPLIN	G METHOD) :	☑ Disposat	ole Bailer	☑ Direct f	rom Discha	rge Hose Other:		
DESCRIB	E EQUIPMI	ENT DECO	NTAMINATIO	ON METHO	DD BEFOR	RE SAMPLI	NG THE WELL:		
☑ Glove	s 🗹 Alcono	x ☑Distille	ed Water Ri	nse 🗅	ther:				
DISPOSA	L METHOD	OF PURG	E WATER:	☐ Surface	e Discharg	ge 🗆 Drur	ns Disposal Facility		
DEPTH TO	EPTH OF W O WATER: OF WATER AMETER:	COLUMN:	4.91	Feet Feet Feet		<u>2</u> 6	Minimum gallons to purge 3 well volumes Actual Gallons purged		
TIME	VOLUME PURGED (GAL)	TEMP. °F	COND. mS/cm	рН	DO (mg/L)	Fe ⁺² (mg/L)	PHYSICAL APPEARANCE AND REMARKS		
15:15	0						Began bailing		
15:21	2	71.4	50.0	7.86					
15:26	4	66.4	52.8	7.79					
15:31	6	65.2	53.3	7.76					
15:35 Samples collected									
						. *******			
0:16	:Total Time	(hr:min)	6	:Total Vol	(gal)	0.37	:Average Flow Rate (gal/min)		
COMMEN	ITS:								
Hanna Mo	odel 98130 i	nstrument u	sed to obtain	n pH, condi	uctivity, an	d temperat	ure measurements.		
Delivered	samples to	Environmer	ntal Lab of To	exas for BT	EX, Major	lons, and	TDS analysis.		

CLIENT:	KICE OF	perating Co	mpany	WELL ID:		mw-1	
SYSTEM:		EME		_ DATE:		October 19, 2005	
SITE LOCATION:		Вох					
PURGING METHOD	:	☑ Hand B	ailed 🗌	Pump, Type:			
SAMPLING METHOD						Other:	
DIODOGAL METHOD	05 0400	FIAMATED					
DISPOSAL METHOL	OF PURG	E WATER:	∐ On-si	te Drum 🔲 Drums	<u>v</u> i SWi	Disposal Facility	
TOTAL DEPTH OF W DEPTH TO WATER:		<u>42.65</u> 34.70	Feet Feet				
HEIGHT OF WATER	COLUMN:	7.95	Feet	2	In. Well Dian		
WELL VOLUME:	1.3	- Gal.		5	Gallons pur	ged prior to sampling	
	TEMP.	COND.	[[
TIME	°C	mS/cm	pН	PHYS	ICAL APPEAI	RANCE AND REMARKS	
9:30	19.3	44.44	6.88	Clear with no odor			
				Samples Collected			
			<u> </u>	BTEX (2-40ml VOA)			
			}	Major lons/TDS (1-100	00ml Plastic)		
	L		L	<u> </u>			
0:00 :Total Time	(hr:min)	#DIV/0!	:Average I	low Rate (gal/min)			
			Com	ments			
Myron Model 6P instru	ument used	to obtain pH	, conductiv	ity, and temperature me	easurements	·	
Delivered samples to	Environmer	ntal Lab of Te	exas for BT	EX, Major lons and TDS	S analysis.		
	-						
							
	- 						

LABORATORY REPORTS

AND

CHAIN OF CUSTODY DOCUMENTATION

(See attached compact disk for this information)