

1R - 428-76

**Annual GW Mon.
REPORTS**

DATE:

2010

R. T. HICKS CONSULTANTS, LTD.

901 Rio Grande Blvd NW ▲ Suite F-142 ▲ Albuquerque, NM 87104 ▲ 505.266.5004 ▲ Fax: 505.266-0745

March 14, 2011

Edward J. Hansen
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

RE: 2010 Annual Ground Water Monitoring Report
Hobbs M-4 Vent, Sec 04, T19S, R38E, Unit "M"
NMOCD Case #: 1R0428-76

Mr. Hansen,

R.T. Hicks Consultants, Ltd. is pleased to submit this 2010 Annual Ground Water Monitoring Report for the M-4 Vent site located in the Hobbs Salt Water Disposal System (SWD). This report contains:

1. A table presenting all laboratory results and depth to ground water for each well at the site.
2. Graphs showing the concentration of chloride and TDS in ground water over time.
3. A plate presenting the location of the monitoring well and the most recent ground water sampling results.
4. The laboratory analysis from the most recent ground water sampling event.

Quarterly ground water monitoring continues at the site.

ROC is the service provider (agent) for the Hobbs Salt Water Disposal System and has no ownership of any portion of pipeline, well or facility. A consortium of oil producers who own the Hobbs Salt Water Disposal System (System Parties) provide all operating capital on a percentage ownership/usage basis. Major projects require System Parties' authorization for expenditures (AFE); approval and work begins as funds are received.

Thank you for your consideration. If you have any questions, please contact us at 505-266-5004, or Hack Conder at Rice Operating Company, 575-393-9174.

Sincerely,
R.T. Hicks Consultants



Katie Lee
Project Scientist

Copy: Rice Operating Company

RECEIVED
2011 MAR 16 2:20

Hobbs M-4 Vent, NMOCD Case # 1R428-76

MW	Depth to Water (ft)	Sample Date	Cl	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Sulfate
1	26.78	3/7/2008	432	1520	<0.001	<0.001	<0.001	<0.003	262
1	27.02	5/2/2008	332	1330	<0.002	<0.002	<0.002	<0.006	240
1	27.64	8/8/2008	396	1500	<0.001	<0.001	<0.001	<0.003	286
1	27.83	11/12/2008	400	1450	<0.001	<0.001	<0.001	<0.003	297
1	28.01	1/30/2009	364	1420	XXX	XXX	XXX	XXX	264
1	28.39	5/5/2009	360	1400	XXX	XXX	XXX	XXX	258
1	28.85	8/12/2009	348	1320	XXX	XXX	XXX	XXX	240
1	28.92	10/28/2009	336	1370	XXX	XXX	XXX	XXX	242
1	29.33	3/16/2010	264	1150	XXX	XXX	XXX	XXX	288
1	29.53	6/11/2010	232	1140	XXX	XXX	XXX	XXX	238
1	28.85	9/7/2010	280	1120	XXX	XXX	XXX	XXX	196
1	28.79	12/7/2010	212	1070	XXX	XXX	XXX	XXX	266

XXX: Not Analyzed with NMOCD Permission

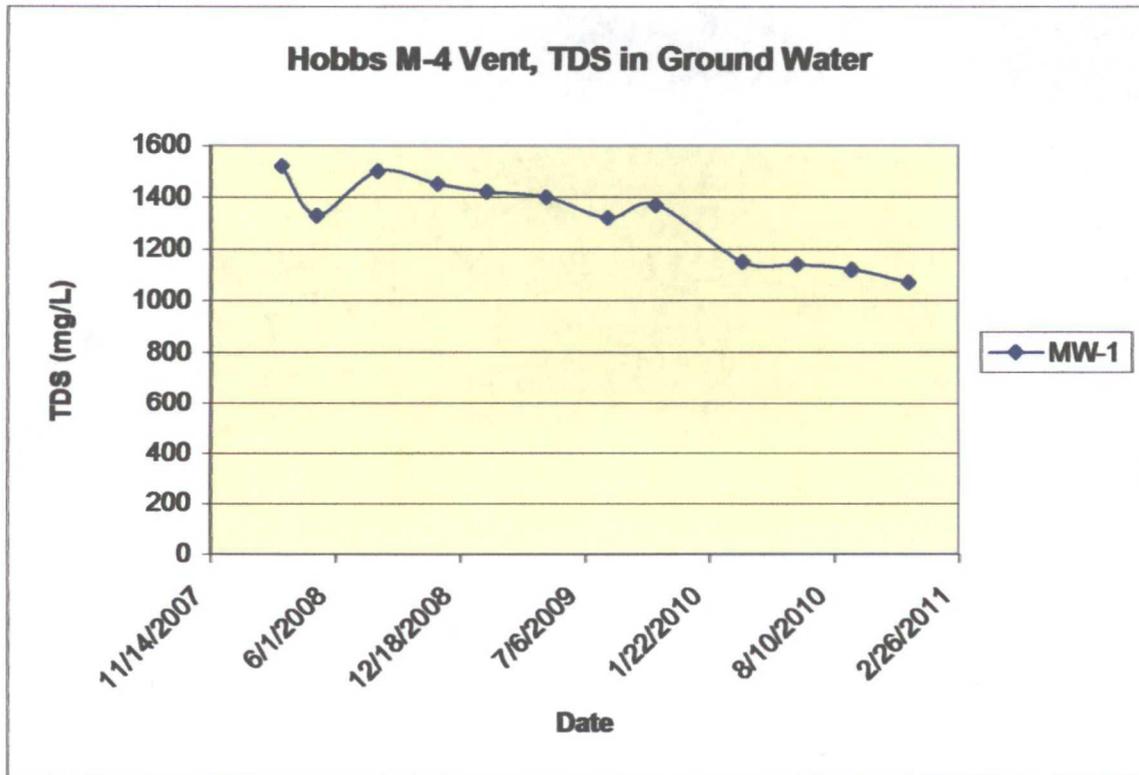
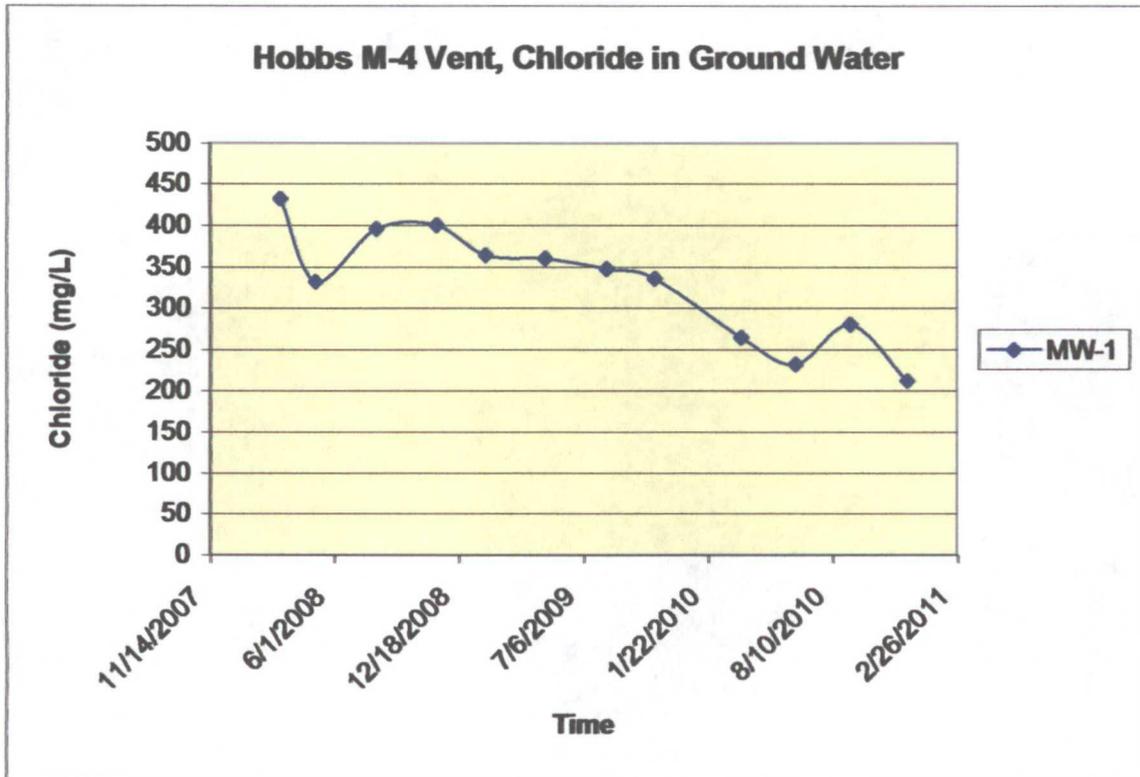
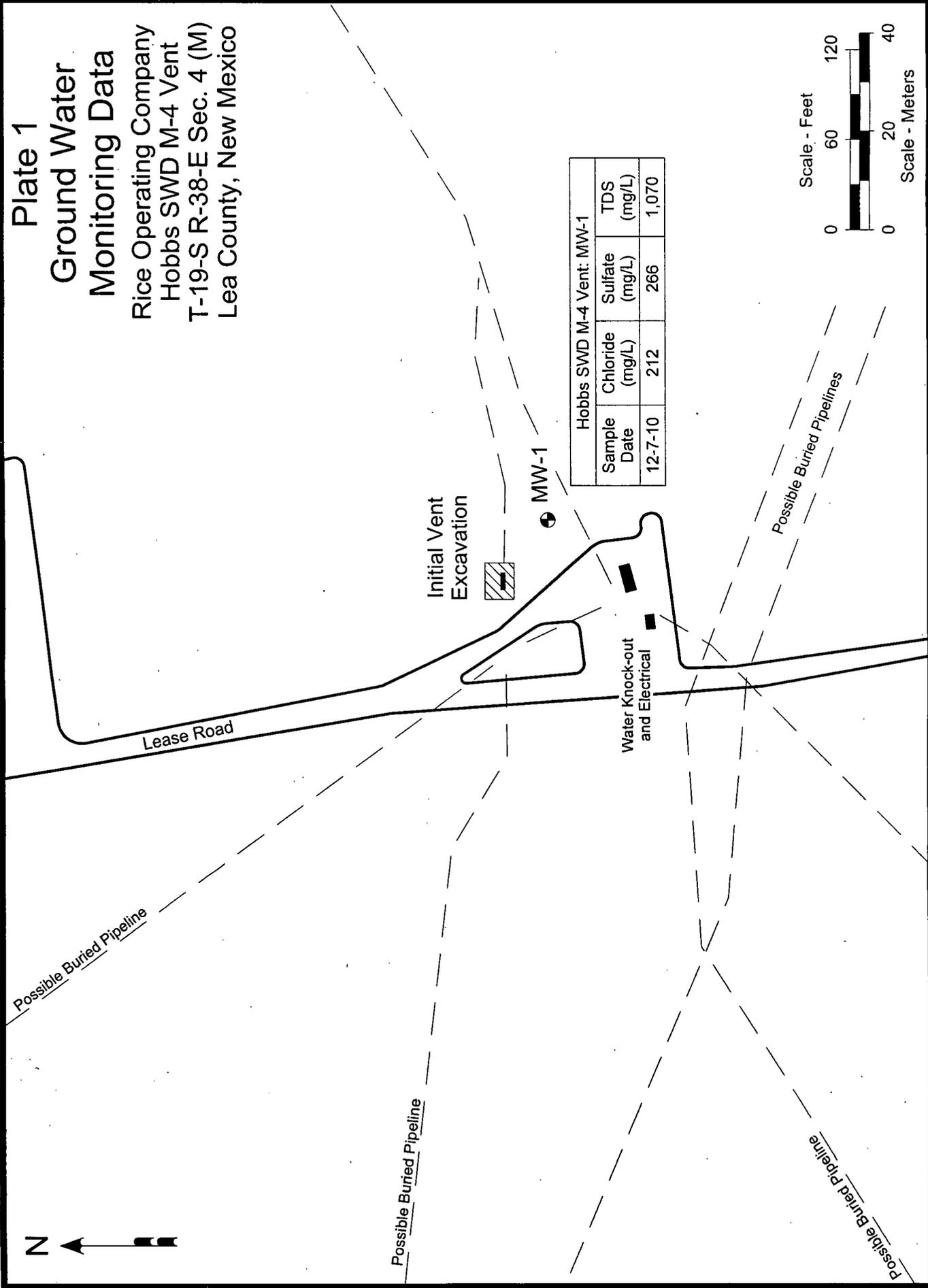


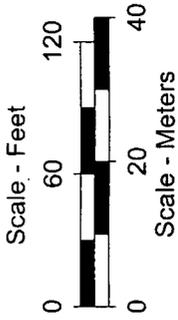
Plate 1

Ground Water Monitoring Data

Rice Operating Company
Hobbs SWD M-4 Vent
T-19-S R-38-E Sec. 4 (M)
Lea County, New Mexico



Hobbs SWD M-4 Vent: MW-1			
Sample Date	Chloride (mg/L)	Sulfate (mg/L)	TDS (mg/L)
12-7-10	212	266	1,070



December 17, 2010

Hack Conder

Rice Operating Company

112 W. Taylor

Hobbs, NM 88240

RE: HOBBS M-4 VENT

Enclosed are the results of analyses for samples received by the laboratory on 12/10/10 12:25.

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 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 (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,



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: 12/10/2010
 Reported: 12/17/2010
 Project Name: HOBBS M-4 VENT
 Project Number: NONE GIVEN
 Project Location: T19S-R38E-SEC4 M-LEA CTY., NM

Sampling Date: 12/07/2010
 Sampling Type: Water
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: MONITOR WELL #1 (H021492-01)

Chloride, SM4500Cl-B		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	212	4.00	12/14/2010	ND	108	108	100	3.77		
Sulfate 375.4		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Sulfate	266	10.0	12/15/2010	ND	38.3	95.8	40.0	0.536		
TDS 160.1		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TDS	1070	5.00	12/10/2010	ND				2.86		

Cardinal Laboratories

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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 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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Celey D. Keene, Lab Director/Quality Manager

