

1R - 428-67

**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

RECEIVED

MAR 16 2011

RE: 2010 Annual Ground Water Monitoring Report
Hobbs Jct. E-33-1, Sec 33, T18S, R38E, Unit "E"
NMOCD Case #: 1R0428-67

Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

Mr. Hansen,

R.T. Hicks Consultants, Ltd. is pleased to submit this 2010 Annual Ground Water Monitoring Report for the Jct. E-33-1 site located in the Hobbs Salt Water Disposal System (SWD). This report contains:

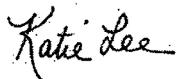
1. A table presenting all laboratory results and depth to ground water for each well at the site.
2. Graphs showing the concentration of chloride and TDS in ground water over time.
3. A plate presenting the location of the monitoring well and the most recent ground water sampling results.
4. The laboratory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

We plan to continue quarterly ground water monitoring in 2011.

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: Hack Conder, Rice Operating Company

Hobbs Jct. E-33-1 NMOCD Case #: 1R428-67

MW	Depth to Water (ft)	Sample Date	CI	TDS	Benzene	Toluene	Ethyl Benzene (mg/L)	Total Xylenes	Sulfate
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	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	1,120	<0.002	<0.002	<0.002	<0.004	176
1	65.21	5/1/2008	116	677	<0.002	<0.002	<0.002	<0.006	178
1	65.28	7/25/2008	196	785	<0.002	<0.002	<0.002	<0.006	100
1	65.47	10/29/2008	344	1,240	<0.001	<0.001	<0.001	<0.003	170
1	65.68	2/2/2009	328	1,160	XXX	XXX	XXX	XXX	166
1	65.73	5/4/2009	332	1,240	XXX	XXX	XXX	XXX	158
1	65.85	8/10/2009	348	1,170	XXX	XXX	XXX	XXX	159
1	65.98	10/27/2009	380	1,200	XXX	XXX	XXX	XXX	168
1	66.21	3/12/2010	436	1,290	XXX	XXX	XXX	XXX	198
1	66.32	6/4/2010	428	1,440	XXX	XXX	XXX	XXX	160
1	66.42	8/30/2010	530	1,600	XXX	XXX	XXX	XXX	130
1	66.54	12/10/2010	472	1,250	XXX	XXX	XXX	XXX	202

XXX: Not Sampled with NMOCD Permission.

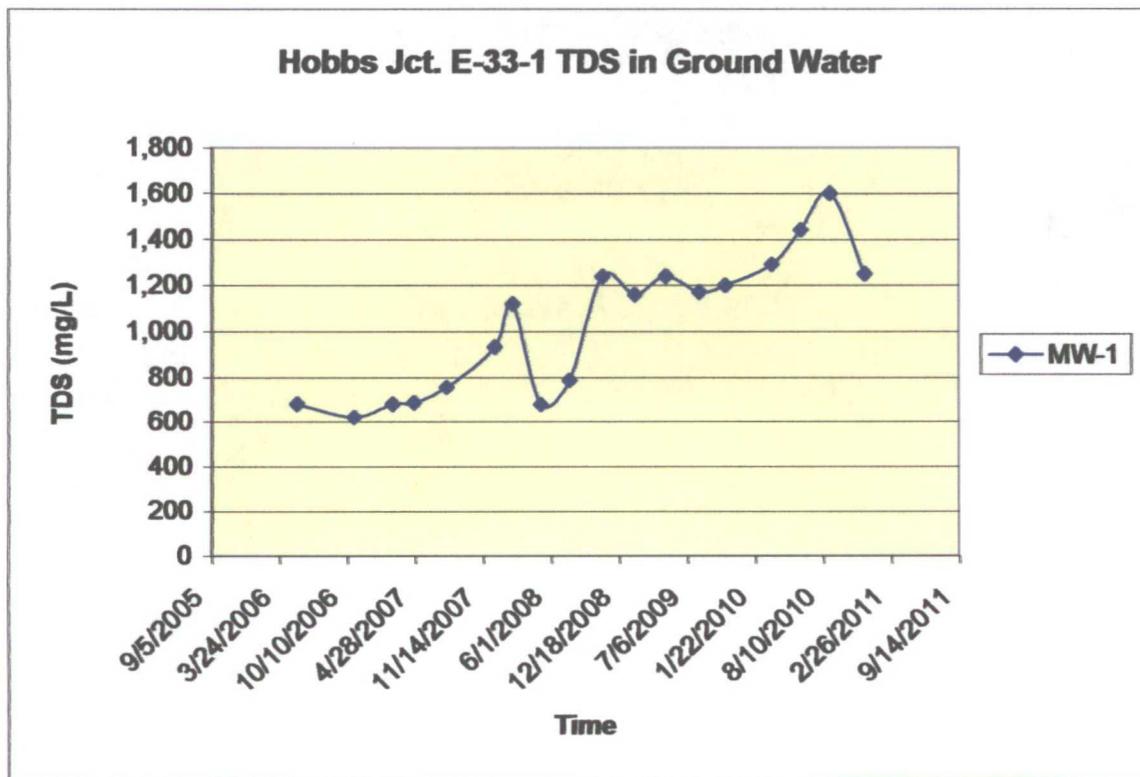
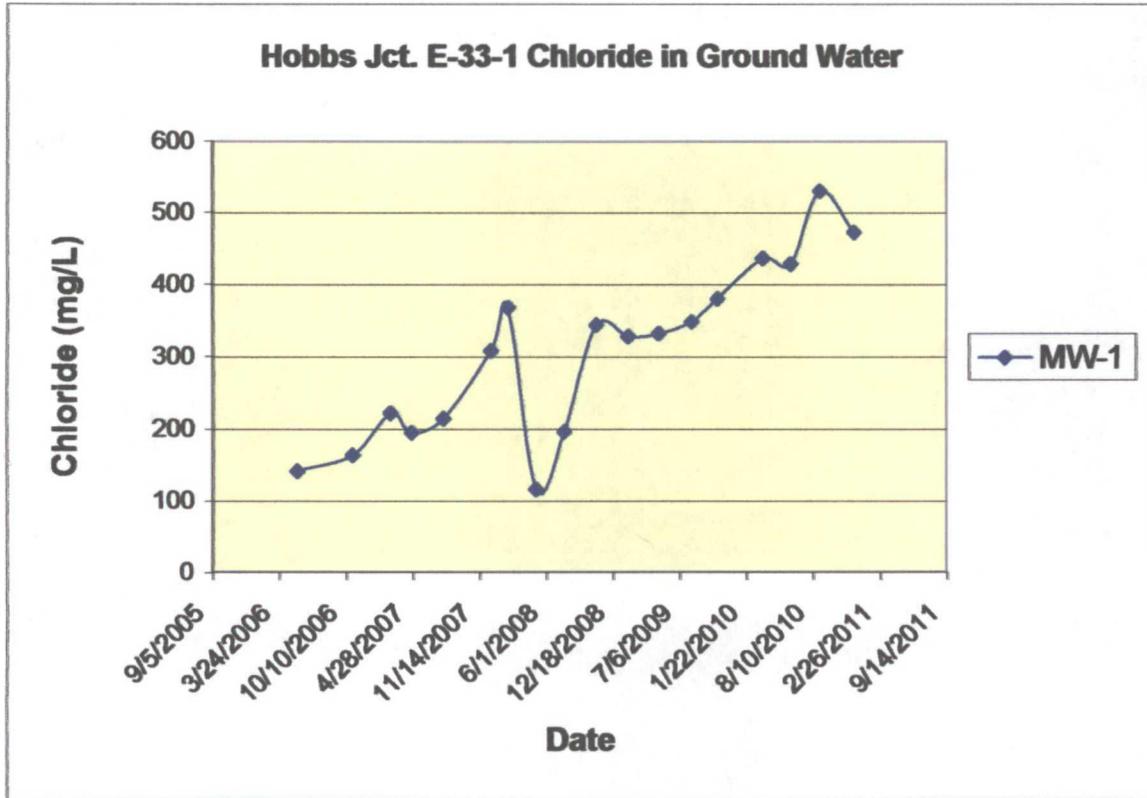


Plate 1
Ground Water
Monitoring Data
 Rice Operating Company
 Hobbs Jct Box E-33-1
 T-18-S R-38-E Sec. 33 (E)
 Lea County, New Mexico

Oil Well Pad

Re-seeded Area

Grassy Area

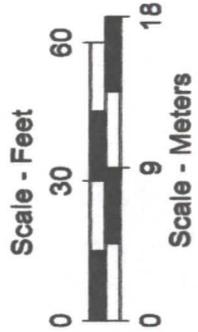
ROC Pipeline

Grassy Area

MW-1

Main Lease Road

Grassy Area



Hobbs SWD E-33-1 Jet Box: MW-1			
Sample Data	Chloride (mg/L)	Sulfate (mg/L)	TDS (mg/L)
12-10-10	472	202	1,250

December 21, 2010

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 12/15/10 9:10.

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: 12/15/2010
 Reported: 12/21/2010
 Project Name: HOBBS JUNCTION E-33-1
 Project Number: NONE GIVEN
 Project Location: T18S-R38E-SEC33 E-LEA CTY., NM

Sampling Date: 12/10/2010
 Sampling Type: Water
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: MONITOR WELL #1 (H021528-01)

Chloride, SM4500Cl-B		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	472	4.00	12/15/2010	ND	104	104	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	202	10.0	12/20/2010	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	1250	5.00	12/15/2010	ND				13.6		



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

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any 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 incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

