

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

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

MAR 16 2011

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:

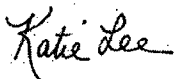
1. A table presenting all laboratory results and depth to ground water for each well at the site.
2. Graphs showing the concentration of chloride and TDS in ground water over time.
3. A plate presenting the location of the monitoring well and the most recent ground water sampling results.
4. The laboratory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

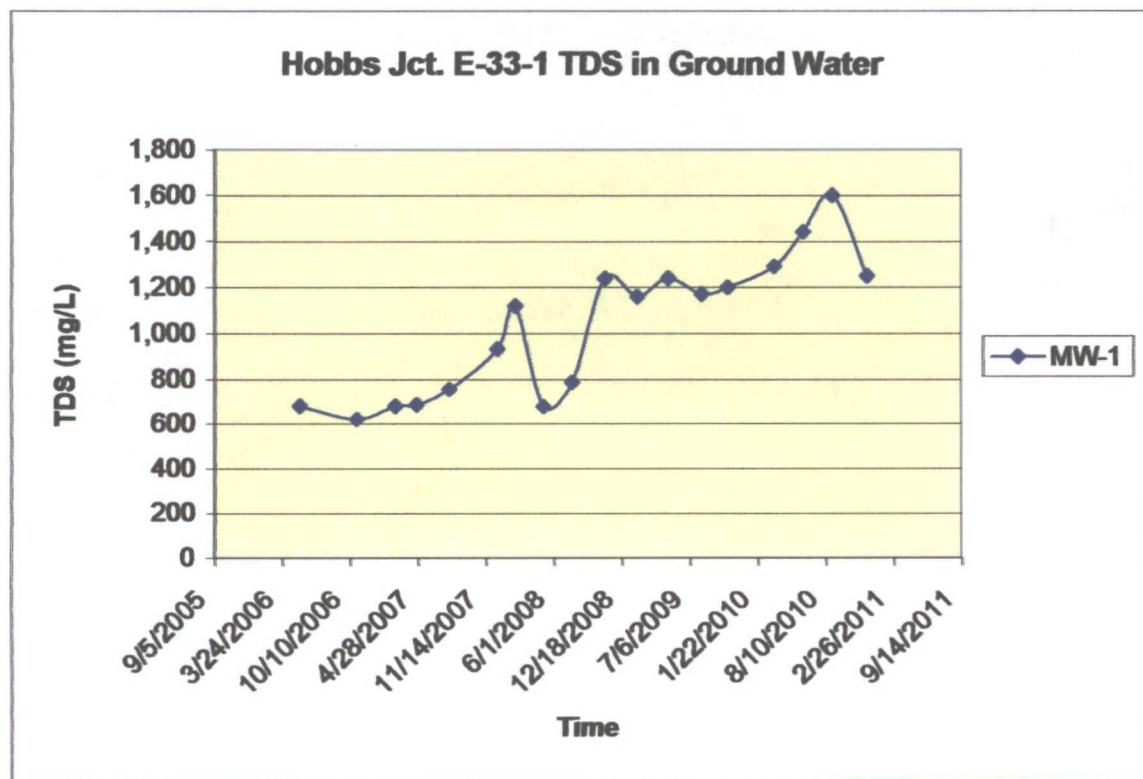
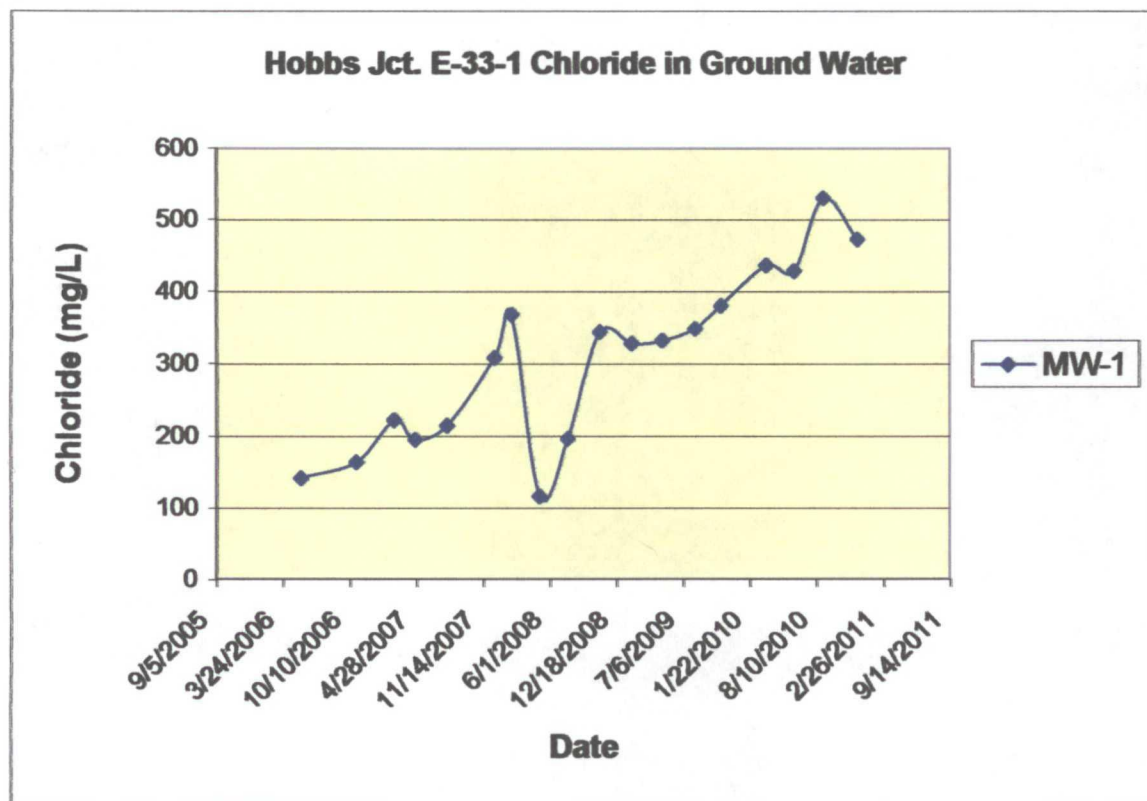


Plate 1
Ground Water
Monitoring Data
 Rice Operating Company
 Hobbs Jct Box E-33-1
 T-18-S R-38-E Sec. 33 (E)
 Lea County, New Mexico

Oil Well Pad

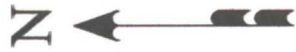
Re-seeded Area

Grassy Area

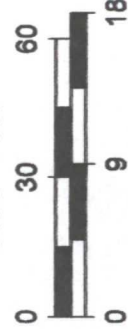
ROC Pipeline

Grassy Area

MW-1



Scale - Feet



Scale - Meters

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

Grassy Area

Main Lease Road



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

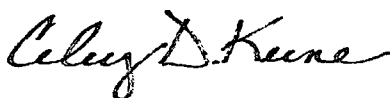
Sample ID: MONITOR WELL #1 (H021528-01)

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		

Cardinal Laboratories

*=Accredited Analyte

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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

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

