

1R - 428-69

WORKPLANS

DATE:

May 6, 2009

Hansen, Edward J., EMNRD

From: Hack Conder [hconder@riceswd.com]
Sent: Wednesday, July 29, 2009 3:24 PM
To: Hansen, Edward J., EMNRD
Subject: FW: Hobbs O-5
Attachments: O-5 vent ICP Amendment 5.6.09.pdf

Ed,

If you could look this over for me and see if you think it would be okay to install and up gradient well. We are trying to put together one more week of drilling for this year I would like to include this into that schedule.

Hack Conder
Enviromental Manager
Rice Operating Company
575-393-9174
fax 575-397-1471

This inbound email has been scanned by the MessageLabs Email Security System.

R. T. HICKS CONSULTANTS, LTD.

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

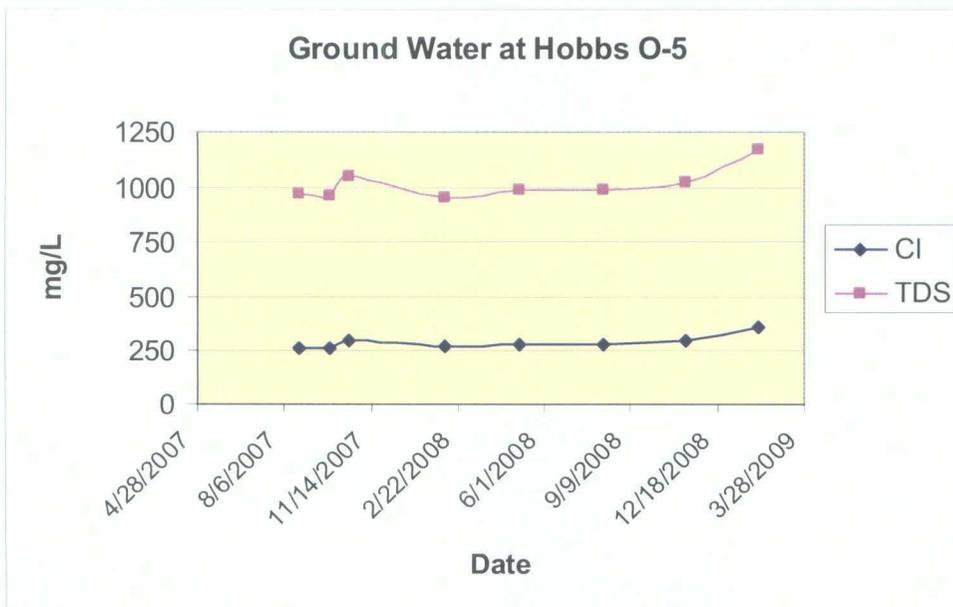
May 6, 2009

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

RE: Investigation & Characterization Plan Amendment
Up-gradient Monitoring Well Proposal
O-5 Vent, Section 05, T19S, R38E, Unit "O"
NMOCD Case #: 1R428-69

Dear Mr. Jones,

R.T. Hicks Consultants, Ltd. submitted a Ground Water Status Report for the O-5 Vent site located in the Hobbs Salt Water Disposal System (SWD) dated January 14, 2008. That letter summarized ground water data collected at the site in 2007 and proposed obtaining four additional quarters of data to determine if an additional well is necessary to characterize background conditions and identify the source of chloride in ground water. The graph below presents chloride and TDS data from the O-5 monitoring well to date.



One monitoring well was installed at the site in August of 2007. The three sampling events in 2007 showed an average chloride concentration of 273 mg/L and a TDS concentration of 994 mg/L. With an additional four quarters of ground water monitoring, the average chloride concentration is 279 mg/L and the average TDS concentration is 990 mg/L. As the graph illustrates, 2008 has shown no statistical difference in chloride from concentrations observed in 2007. A table presenting all collected ground water data for the Hobbs O-5 site

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appears below this letter. Chloride concentrations remain slightly above ground water standards, which may be due to regional chloride levels.

We propose drilling an up gradient well to characterize background conditions and to determine if the chloride in ground water originates at the O-5 site or an up gradient source. We propose to drill this well with a 4" casing and 40' of screen so that it may double as a replacement source of ground water in the event that it is clean in a location useful to the landowner. Plate 1 shows the site location in relation to Hobbs, a recent potentiometric surface map, and our proposed well area to be discussed with the landowner. Plate 2 presents our proposed well construction.

Thank you for your consideration of this proposed amendment to our Investigation and Characterization Plan for this site. If you have any questions, please contact us at 505-266-5004, or Hack Conder at ROC, 505-393-9174.

Sincerely,
R.T. Hicks Consultants, Ltd.

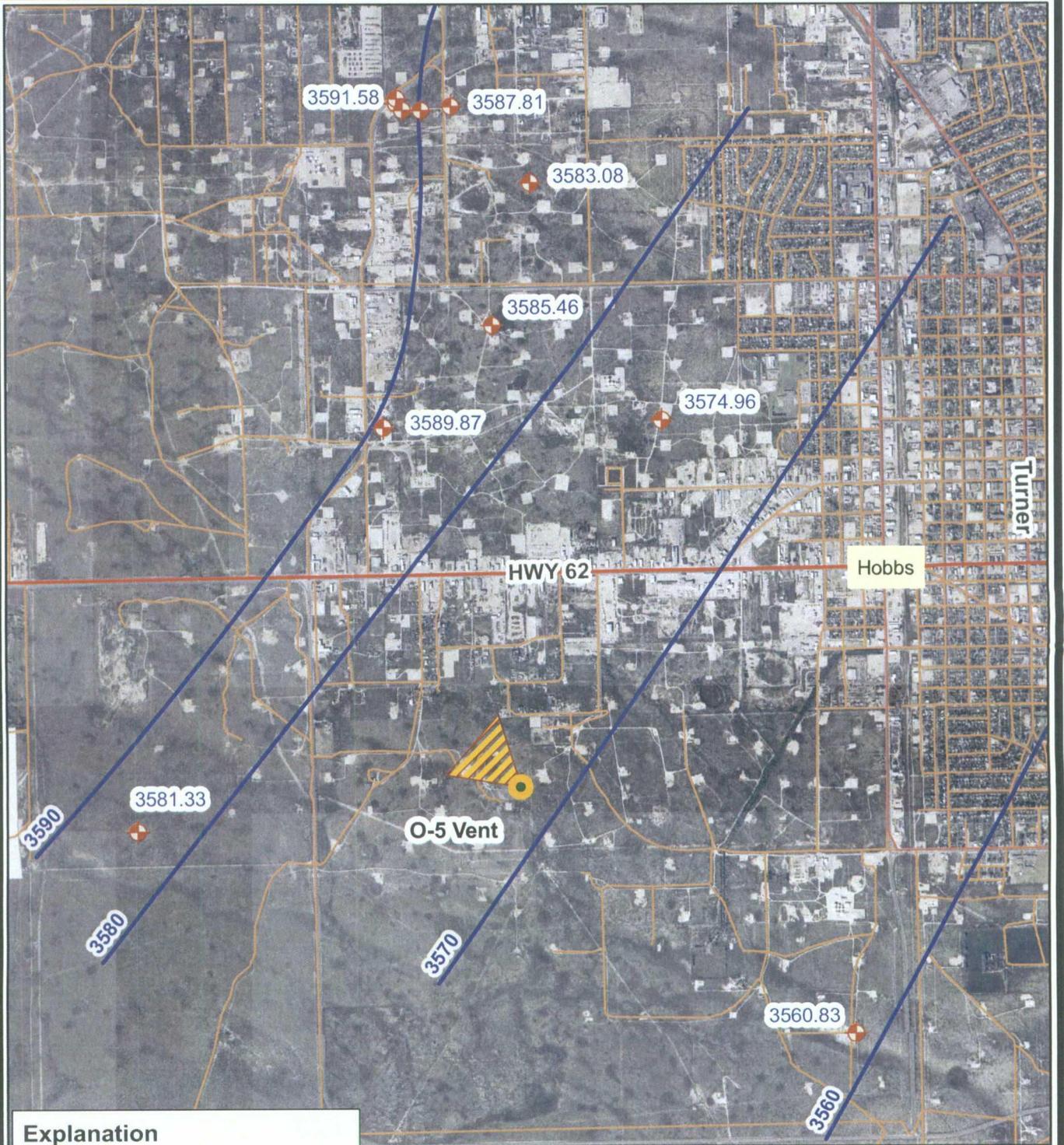


Katie Lee
Project Scientist

CC: Hack Conder, Rice Operating Company
NMOCD, Edward J. Hansen

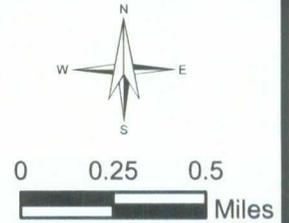
Ground Water Data from Hobbs O-5

MW	Sample Date	Cl	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes
1	8/23/2007	264	968	<0.002	<0.002	<0.002	<0.006
1	9/27/2007	260	963	0.002	<0.001	<0.001	<0.003
1	10/19/2007	296	1052	0.003	0.001	<0.001	<0.003
1	2/7/2008	272	949	0.003	0.001	<0.001	<0.003
1	5/2/2008	284	985	<0.002	<0.002	<0.002	<0.006
1	8/8/2008	280	992	<0.001	<0.001	<0.001	<0.003
1	11/12/2008	296	1020	<0.001	<0.001	<0.001	<0.003
1	2/2/2009	356	1170	<0.001	<0.001	<0.001	<0.003



Explanation

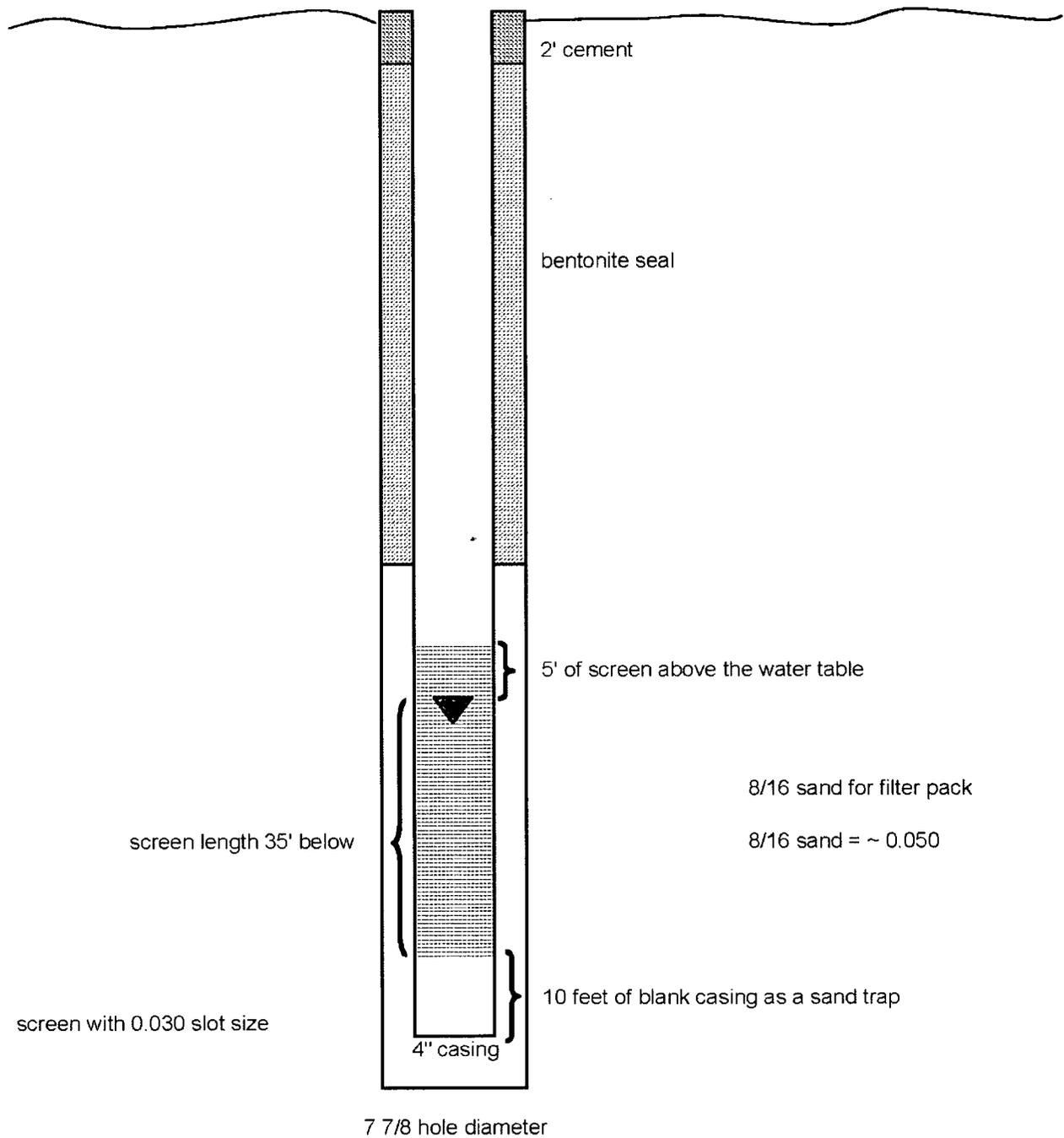
-  ROC Monitoring Well with ground water elevation (fmsl)
-  Proposed Well Area
- 3rd Qtr 2006**
-  Equipotential (feet msl)



R.T. Hicks Consultants, Ltd
 901 Rio Grande Blvd NW Suite F-142
 Albuquerque, NM 87104
 Ph: 505.266.5004

Proposed Area for Up Gradient Monitoring Well
 Rice Operating Company
 ICP Amendment Hobbs O-5 Vent

Plate 1
 May 2009



R.T. HICKS CONSULTANTS, LTD. <small>901 Rio Grande Blvd. NW Suite F-142 Albuquerque, NM 87104 505.266.5004 Fax: 505.266.0745</small>	Proposed Recovery Well Design- Hobbs O-5	Plate 2
	Rice Operating Company	May 2009