



B.U. 2603152
Reports

Southern California
Northern California
Pacific Northwest
Southwest
Texas
Montana

September 11, 2007
ERI 31116.13:Q073

LUST Coordinator
Washington State Department of Ecology
Northwest Regional Office
3190 160th Avenue Southeast
Bellevue, Washington 98008-5452

Subject: ExxonMobil Oil Corporation Groundwater Monitoring Report, Former Exxon RAS
7-6375, 8325 Mukilteo Speedway, Mukilteo, Washington

Dear LUST Coordinator:

On behalf of ExxonMobil Oil Corporation (ExxonMobil), Environmental Resolutions, Inc. (ERI) has prepared the enclosed ExxonMobil Groundwater Monitoring Report presenting results of groundwater sampling conducted on July 31, 2007 at the site referenced above.

Please contact our office at (206) 575-6220 or Timothy M. Strawn, PG, CHG, LHG at ExxonMobil at (425) 837-3712 with any questions.

Sincerely,

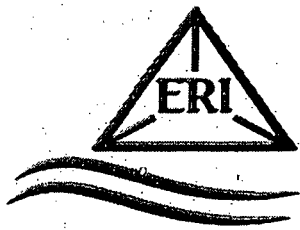
Amanda R. Balzer
Assistant Project Manager

Attachment: ERI's ExxonMobil Oil Corporation Groundwater Monitoring Report, Third Quarter
2007, dated September 11, 2007

cc: w/ attachment
Mr. Mike Noll, Noll Environmental, Inc.
Mr. Anthony R. Brown, BP/Atlantic Richfield Company
Mr. Timothy M. Strawn, PG, CHG, LHG, ExxonMobil Oil Corporation

Environmental Resolutions, Inc.

815 Industry Dr., Tukwila, WA 98188-3411 | Tel: 206.575.6220 | Fax: 206.575.6423 | Contractor # ENVIRR1044JD



VALUE, QUALITY, RESPONSE

**EXXONMOBIL OIL CORPORATION
GROUNDWATER MONITORING REPORT**

*Southern California
Northern California
Pacific Northwest
Southwest
Texas
Montana*

Site No.: 7-6375 Address: 8325 Mukilteo Speedway, Mukilteo, Washington
ExxonMobil Project Manager: Timothy M. Strawn
Consultant/Contact Person: Environmental Resolutions, Inc./Amanda R. Balzer
Primary Agency/Regulatory ID No.: Washington State Department of Ecology

September 11, 2007

WORK PERFORMED THIS QUARTER(S) [Third - 2007]:

- Monitored 4, purged and sampled 2 groundwater monitoring wells.

WORK PROPOSED FOR NEXT QUARTER [First - 2008]:

- Monitor, purge, and sample 4 groundwater monitoring wells.

SUMMARY:

Frequency of Sampling Events:	<u>Semiannually</u>	(Quarterly, etc.)
Approximate Depth to Groundwater:	<u>2 to 11 ft</u>	(Measured Feet)
Groundwater Gradient:	<u>Not determined</u>	(Direction)
	<u>Not determined</u>	(Magnitude)
Maximum TPH-G/Benzene Concentrations:	<u>8,070/1,290</u>	(ppb)
Measurable Free Product Detected:	<u>No</u>	(Yes - ID well(s)/No)
Free Product Recovered This Quarter:	<u>None</u>	(gallons)
Cumulative Free Product Recovered to Date:	<u>Unknown</u>	(gallons)
Bulk Soil Removed This Quarter:	<u>None</u>	(cubic yards)
Water Wells or Surface Waters w/in 2,000 ft:	<u>None</u>	
Radius and Respective Direction:	<u>None</u>	(Distance & Direction)
Current Remedial Action:	<u>None</u>	(SVE/AS/P&T, etc.)
Permits for Discharge:	<u>None</u>	(NPDES, POTW, etc.)

DISCUSSION:

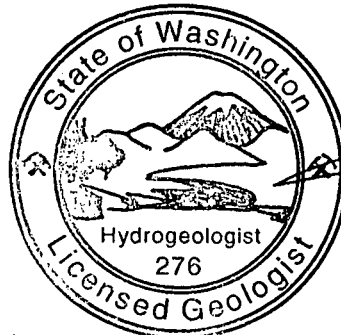
- Both sampled wells contained petroleum hydrocarbon concentrations exceeding the MTCA Method A Cleanup Levels.
- SV2 contained a total lead concentration exceeding the MTCA Method A Cleanup Level.
- MW2 and SV1 were dry and therefore not sampled.

ATTACHMENTS:

- Plate 1: Groundwater Sample Analysis Map – 07/31/07
- Table 1: Groundwater Analytical Results
- Laboratory Report and Chain of Custody Documentation
- Field Data Records

Prepared By:

Patrick Paulett
Staff Scientist



JOHN K. MEYER

Reviewed By:

John K. Meyer, R.G., L.H.G.
Branch Manager

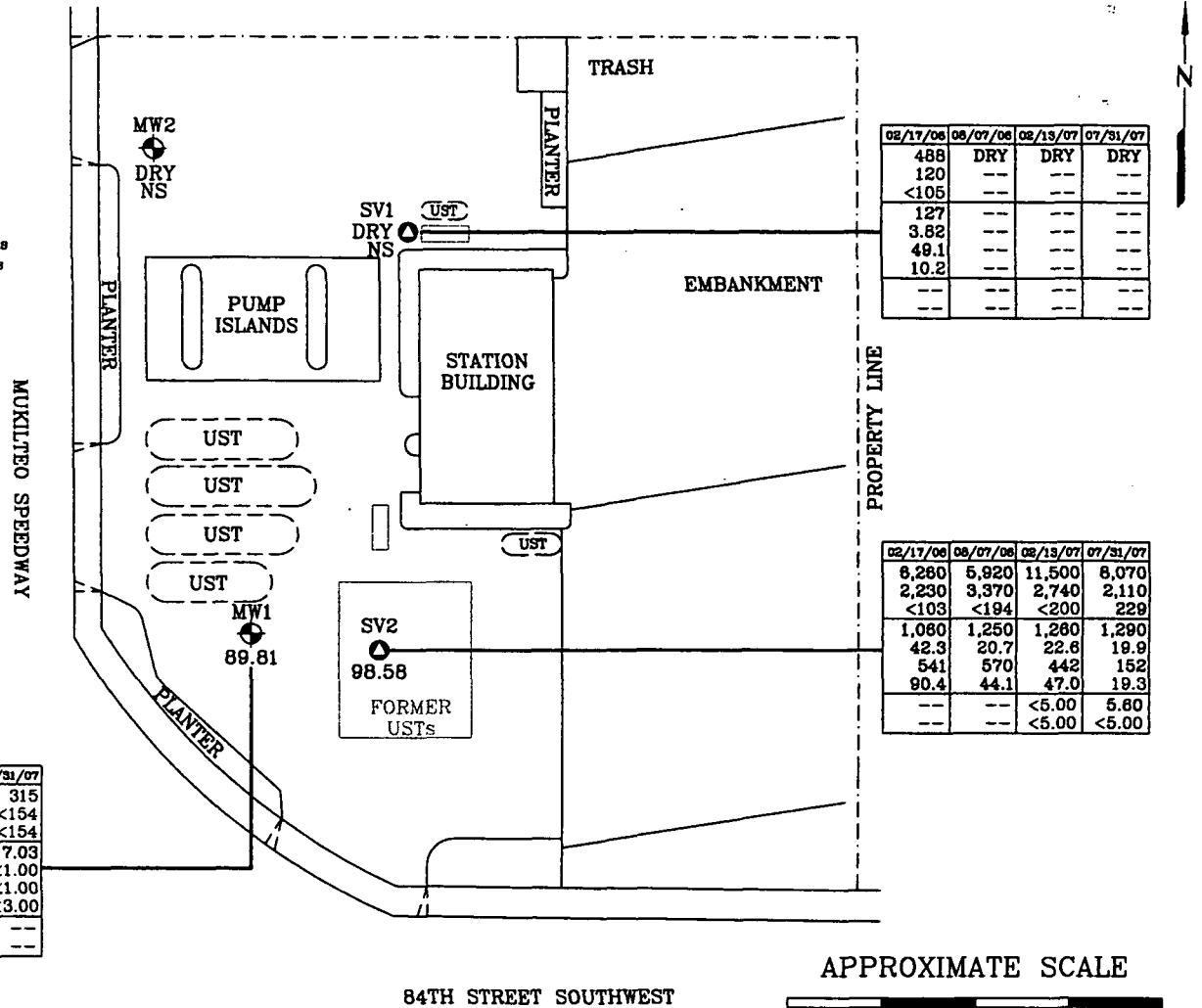
31116.13.Q073

Environmental Resolutions, Inc.

Laboratory Results in ug/L (ppb)

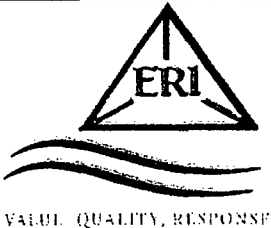
07/31/07	Sample Date
8,070	Total Petroleum Hydrocarbons as Gasoline
2,110	Total Petroleum Hydrocarbons as Diesel
229	Total Petroleum Hydrocarbons as Oil
1,290	Benzene -- = Not Analyzed or Sampled
19.9	Toluene <1.00 = Less than the Stated Laboratory Reporting Limit
152	Ethylbenzene
19.3	Total Xylenes
5.80	Total Lead
<5.00	Dissolved Lead

- Numbers or Symbols in Red exceed MTCA Method A Cleanup Levels
- Numbers or Symbols in Blue below MTCA Method A Cleanup Levels
- No Data Available for Numbers or Symbols in Black



SOURCE: Modified from maps provided by Exxon/Mobil Oil Corporation

FN 311160002_QM



GROUNDWATER SAMPLE ANALYSIS MAP - 07/31/07

FORMER EXXON STATION 7-6375
8325 Mukilteo Speedway
Mukilteo, Washington

EXPLANATION

- MW1 Groundwater Monitoring Well
- 89.81 Groundwater Elevation
- NS Not Sampled
- SV2 Air Sparging/Soil Vapor Extraction Well

PROJECT NO.

31116

PLATE

1

PJP: 09/04/07

TABLE 1
GROUNDWATER ANALYTICAL RESULTS
Former Exxon Station 7-6375
8325 Mukilteo Speedway
Mukilteo, Washington
Page 1 of 3

Well Name	Sample Date	DTW	GW Elev.	TPH-G	TPH-D	TPH-O	B	T	E	X	Total Pb	Diss Pb	1,1,1-TCA	Ethanol
MW1	08/14/92	10.45	89.55	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--
100.00	12/08/92	11.28	88.72	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	--	1.3	--
	04/22/93	10.20	89.80	<50	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	1.7	--
	06/01/93	10.14	89.86	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	--	1.5	--
	09/07/93	10.21	89.79	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	<3.0	--	--
	12/01/93	10.83	89.17	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	<3.0	--	--
	02/22/94	9.26	90.74	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	<3.0	--	--
	06/01/94	10.05	89.95	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	<3.0	--	--
	08/18/94	10.20	89.80	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	<3.0	--	--
	11/15/94	11.14	88.86	<50	--	--	<0.5	<0.5	<0.5	<0.5	27	--	--	--
	02/23/95	9.88	90.12	<50	--	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--
	05/09/95	9.98	90.02	<50	--	--	<0.5	<0.5	<0.5	<1.0	--	<2.0	--	--
	08/17/95	10.26	89.74	<50	--	--	<0.5	<0.5	<0.5	<1.0	--	<2.0	--	--
	11/06/95	10.77	89.23	<50	<250	<750	<0.5	<0.5	<0.5	<1.0	31	--	--	--
	01/12/96	8.93	91.07	<50	--	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--
	04/03/96	9.94	90.06	<50	--	--	<0.5	<0.5	<0.5	<1.0	--	<2.0	--	--
	07/23/96	10.14	89.86	<50	--	--	<0.5	<0.5	<0.5	<1.0	77.5	--	--	--
	10/28/96	10.76	89.24	<50	--	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--
	01/16/97	9.58	90.42	<50	<250	<500	<0.5	<0.5	<0.5	<1.0	<2.0	--	--	--
	04/09/97	9.63	90.37	<50	<250	<500	<0.5	<0.5	<0.5	<1.0	<2.0	--	--	--
	07/28/97	10.03	89.97	<50	<250	<750	<0.5	0.629	<0.5	<1.0	<2.0	--	--	--
	03/24/99	8.42	91.58	<50	--	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--
	12/20/00	10.60	89.40	<250	<250	<750	39	<1	11	7.2	--	--	--	--
	07/13/01	10.03	89.97	<50.0	3,260	<750	0.637	0.860	0.502	<1.00	--	--	--	--
	07/09/02	9.99	90.01	<100	<100	<100	<1.0	<1.0	<1.0	<1.0	--	--	--	--
	07/08/03	10.02	89.98	<100	<111	<111	<1.00	<1.0	<1.0	2.3	--	--	--	--
	10/21/04	10.58	89.42	<100	334	<100	<1.00	<1.0	<1.0	<1.0	--	--	--	<100
	02/08/05	9.65	90.35	<100	<100	342	2.10	<1.0	1.5	1.9	--	--	--	<100
	02/17/06	9.24	90.76	<100	<103	<103	<1.00	<1.00	<1.00	<3.00	--	--	--	--
	08/07/06	10.09	89.91	<100	<98.0	<98.0	1.51	<1.00	<1.00	<3.00	--	--	--	--
	02/13/07	9.44	90.56	164	<250	<250	1.25	<1.00	<1.00	<3.00	1.0	<5.00	--	--
	07/31/07	10.19	89.81	315	<154	<154	7.03	<1.00	<1.00	<3.00	--	--	--	--
MTCA Method A Cleanup Levels				1,000 ^a			5	40	30	20	5	5	NA	NA

Continued on page 2

TABLE 1
GROUNDWATER ANALYTICAL RESULTS
Former Exxon Station 7-6375
8325 Mukilteo Speedway
Mukilteo, Washington
Page 2 of 3

Well Name	Sample Date	DTW	GW Elev.	TPH-G	TPH-D	TPH-O	B	T	E	X	Total Pb	Diss Pb	1,1,1-TCA	Ethanol
MW2	07/01/04	DRY	--	--	--	--	--	--	--	--	--	--	--	--
NE	10/21/04	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	02/08/05	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	02/17/06	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	08/07/06	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	02/13/07	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	07/31/07	DRY	--	--	--	--	--	--	--	--	--	--	--	--
SV1	11/06/95	13.97	87.07	<50	400	<750	<0.5	<0.5	<0.5	<1.0	21	--	--	--
101.04	01/12/96	12.15	88.89	<50	--	--	<0.5	<0.5	<0.5	<1.0	--	<2.0	--	--
	04/03/96	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	07/23/96	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	10/28/96	11.90	89.14	<50	--	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--
	01/16/97	11.88	89.16	<50	<250	<500	<0.5	<0.5	<0.5	<1.0	<2.0	--	--	--
	04/09/97	12.27	88.77	<50	--	--	<0.5	<0.5	<0.5	<1.0	<2.0	--	--	--
	07/28/97	12.91	88.13	<50	<250	<750	<0.5	<0.5	<0.5	<1.0	<2.0	--	--	--
	03/24/99	12.29	88.75	<50	--	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--
	12/20/00*	11.30	89.74	<250	<280	<830	31	<1	12	8.2	--	--	--	--
	07/13/01	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	07/09/02	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	07/08/03	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	10/21/04	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	02/08/05	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	02/17/06	13.70	87.34	488	120	<105	127	3.82	49.1	10.2	--	--	--	--
	08/07/06	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	02/13/07	DRY	--	--	--	--	--	--	--	--	--	--	--	--
07/31/07	DRY	--	--	--	--	--	--	--	--	--	--	--	--	
MTC Method A Cleanup Levels					1,000 ^a		5	40	30	20	5	5	NA	NA

Continued on page 3

TABLE 1
GROUNDWATER ANALYTICAL RESULTS
Former Exxon Station 7-6375
8325 Mukilteo Speedway
Mukilteo, Washington
Page 3 of 3

Well Name	Sample Date	DTW	GW Elev.	TPH-G	TPH-D	TPH-O	B	T	E	X	Total Pb	Diss Pb	1,1,1-TCA	Ethanol
SV2	11/06/95	4.29	97.16	31,000	1,600	920	3,200	160	2,000	4,700	7.2	--	--	--
101.45	01/12/96	2.44	99.01	23,000	--	--	2,800	63	1,600	1,700	--	12	--	--
	04/03/96	2.80	98.65	21,000	--	--	1,400	59	1,100	1,300	--	5	--	--
	07/23/96	2.68	98.77	13,400	1	--	1,400	43.1	977	737	9.14	--	--	--
	10/28/96	3.47	97.98	14,000	--	--	2,290	52.9	1,190	1,240	--	--	--	--
	01/16/97	2.54	98.91	15,100	1,390	<500	2,060	41.0	1,130	684	3.7	--	--	--
	04/09/97	2.70	98.75	10,300	1,230	<500	1,620	30.3	735	593	5.11	--	--	--
	07/28/97	2.73	98.72	15,300	1,180	<750	1,960	44.8	1,080	743	3.01	--	--	--
	03/24/99	1.80	99.65	8,910	--	--	1,850	25.8	948	585	--	--	--	--
	12/20/00	4.40	97.05	13,000	360	<940	2,100	33	1,100	828	--	--	--	--
	07/13/01	2.20	99.25	8,700	1,540	<862	1,600	31.8	989	273	--	--	--	--
	07/09/02	2.51	98.94	8,440	2,460	<500	1,980	<50.0	1,010	120	--	--	--	--
	07/08/03	2.65	98.80	11,100	2,120	316	1,140	20.4	679	55.4	--	--	--	--
	10/21/04	4.22	97.23	4,760	1,920	261	1,080	26.0	364	62.0	--	--	--	<100
	02/08/05	1.30	100.15	4,710	2,360	<100	788	19.0	351	53.0	--	--	--	<100
	02/17/06	1.39	100.06	6,260	2,230	<103	1,060	42.3	541	90.4	--	--	--	--
	08/07/06	2.44	99.01	5,920	3,370	<194	1,250	20.7	570	42.1	--	--	--	--
	02/13/07	2.42	99.03	11,500	2,740	<200	1,260	22.6	442	47.0	<5.00	<5.00	--	--
	07/31/07	2.87	98.58	8,070	2,110	229	1,290	19.9	152	19.3	5.60	<5.00	--	<100
MTCA Method A Cleanup Levels				1,000 ^a			5	40	30	20	5	5	NA	NA

EXPLANATION:

All concentrations are in ug/L (ppb).
Wellhead elevations were taken from prior consultant reports.
DTW = Depth to water in feet below top of casing
GW Elev. = Groundwater elevation relative to top of casing elevations
TPH-G = Total Petroleum Hydrocarbons as Gasoline by Ecology Method NWTPH-Gx
TPH-D and TPH-O = Total Petroleum Hydrocarbons as Diesel and Oil, respectively, by Ecology Method NWTPH-Dx
B = Benzene; T = Toluene; E = Ethylbenzene; X = Total Xylenes
BTEX = Aromatic compounds by EPA Method 8020 and 8021B, refer to laboratory reports
Total Pb = Total lead; Diss Pb = Dissolved lead
Total and Dissolved lead analyses by EPA Method 6020
1,1,1-TCA = 1,1,1-Trichloroethane by EPA Method 601
Ethanol by EPA Method 8260B

NE= Not Established; -- = Not Analyzed or Sampled; NA = Not Applicable
< = Less than the stated laboratory reporting limit
Shaded values equal or exceed MTCA Method A Cleanup Levels.
^a Total Petroleum Hydrocarbons
* Sample identified as SB5 on official laboratory report
Data prior to 12/20/00 were taken from previous consultant reports.
MW2 was installed on 07/01/04 by Environmental Resolutions Inc.
Groundwater elevations measured appear to be the result of perched water zones and not representative of a regional water table aquifer.

August 09, 2007 12:45:27PM

Client: ERI Tukwila (10313)
815 Industry Drive
Tukwila, WA 98188
Attn: Amanda Balzer

Work Order: NQH0164
Project Name: Exxon 7-6375
Project Nbr: 31116
P/O Nbr: 4508140174
Date Received: 08/01/07

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MW1	NQH0164-01	07/31/07 13:00
SV2	NQH0164-02	07/31/07 13:46

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

Additional Laboratory Comments:

Lead analysis not performed on sample MW1(NQH0164-01) due to not receiving containers.
Washington Certification Number: C1712

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.

Estimated uncertainty is available upon request.

This report has been electronically signed.

Report Approved By:



Leah R. Klingensmith

Senior Project Management

Client ERI Tukwila (10313)
815 Industry Drive
Tukwila, WA 98188
Attn Amanda Balzer

Work Order: NQH0164
Project Name: Exxon 7-6375
Project Number: 31116
Received: 08/01/07 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQH0164-01 (MW1 - Ground Water) Sampled: 07/31/07 13:00								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	7.03		ug/L	1.00	1	08/04/07 01:33	SW846 8021B	7080618
Ethylbenzene	ND		ug/L	1.00	1	08/04/07 01:33	SW846 8021B	7080618
Toluene	ND		ug/L	1.00	1	08/04/07 01:33	SW846 8021B	7080618
Xylenes, total	ND		ug/L	3.00	1	08/04/07 01:33	SW846 8021B	7080618
Surr: a,a,a-Trifluorotoluene (46-153%)	83 %					08/04/07 01:33	SW846 8021B	7080618
Extractable Petroleum Hydrocarbons								
Diesel	ND	QSG	ug/L	154	1	08/04/07 02:04	NWTPH-Dx	7080248
Motor Oil	ND	QSG	ug/L	154	1	08/04/07 02:04	NWTPH-Dx	7080248
Surr: o-Terphenyl (50-150%)	106 %					08/04/07 02:04	NWTPH-Dx	7080248
Purgeable Petroleum Hydrocarbons								
GRO (C4-C12) NW	315		ug/L	100	1	08/04/07 01:33	NWTPH-Gx	7080618
Surr: a,a,a-Trifluorotoluene (46-153%)	83 %					08/04/07 01:33	NWTPH-Gx	7080618
Sample ID: NQH0164-02 (SV2 - Ground Water) Sampled: 07/31/07 13:46								
Total Metals by EPA Method 6010B								
Lead	5.60		ug/L	5.00	1	08/03/07 14:39	SW846 6010B	7080362
Dissolved Metals by EPA Method 6010B								
Lead	ND		ug/L	5.00	1	08/02/07 12:55	SW846 6010B	7080177
Volatile Organic Compounds by EPA Method 8021B								
Benzene	1290		ug/L	10.0	10	08/06/07 19:09	SW846 8021B	7081026
Ethylbenzene	152		ug/L	1.00	1	08/04/07 02:02	SW846 8021B	7080618
Toluene	19.9		ug/L	1.00	1	08/04/07 02:02	SW846 8021B	7080618
Xylenes, total	19.3		ug/L	3.00	1	08/04/07 02:02	SW846 8021B	7080618
Surr: a,a,a-Trifluorotoluene (46-153%)	102 %					08/04/07 02:02	SW846 8021B	7080618
Surr: a,a,a-Trifluorotoluene (46-153%)	109 %					08/06/07 19:09	SW846 8021B	7081026
Selected Volatile Organic Compounds by EPA Method 8260B								
Ethanol	ND	L	ug/L	100	1	08/06/07 03:33	SW846 8260B	7080918
Surr: 1,2-Dichloroethane-d4 (62-142%)	101 %					08/06/07 03:33	SW846 8260B	7080918
Surr: Dibromofluoromethane (78-123%)	92 %					08/06/07 03:33	SW846 8260B	7080918
Surr: Toluene-d8 (79-120%)	103 %					08/06/07 03:33	SW846 8260B	7080918
Surr: 4-Bromofluorobenzene (75-133%)	97 %					08/06/07 03:33	SW846 8260B	7080918
Extractable Petroleum Hydrocarbons								
Diesel	2110	A-01, QSG	ug/L	196	2	08/04/07 09:33	NWTPH-Dx	7080248
Motor Oil	229	A-01a, QSG	ug/L	196	2	08/04/07 09:33	NWTPH-Dx	7080248
Surr: o-Terphenyl (50-150%)	71 %					08/04/07 09:33	NWTPH-Dx	7080248
Purgeable Petroleum Hydrocarbons								
GRO (C4-C12) NW	8070		ug/L	1000	10	08/06/07 19:09	NWTPH-Gx	7081026
Surr: a,a,a-Trifluorotoluene (46-153%)	109 %					08/06/07 19:09	NWTPH-Gx	7081026

Client ERI Tukwila (10313)
815 Industry Drive
Tukwila, WA 98188
Attn Amanda Balzer

Work Order: NQH0164
Project Name: Exxon 7-6375
Project Number: 31116
Received: 08/01/07 08:00

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Dissolved Metals by EPA Method 6010B							
SW846 6010B	7080177	NQH0164-02	50.00	50.00	08/02/07 08:20	AMB	EPA 3010A Dissolve
Extractable Petroleum Hydrocarbons							
NWTPH-Dx	7080248	NQH0164-01	650.00	1.00	08/02/07 12:30	KYH	EPA 3510C
NWTPH-Dx	7080248	NQH0164-02	1020.00	1.00	08/02/07 12:30	KYH	EPA 3510C
NWTPH-Dx	7080248	NQH0164-02RE1	1020.00	1.00	08/02/07 12:30	KYH	EPA 3510C
Total Metals by EPA Method 6010B							
SW846 6010B	7080362	NQH0164-02	50.00	50.00	08/03/07 10:20	AMB	EPA 3010A / 6010

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Work Order: NQH0164
Project Name: Exxon 7-6375
Project Number: 31116
Received: 08/01/07 08:00

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Total Metals by EPA Method 6010B						
7080362-BLK1						
Lead	<3.00		ug/L	7080362	7080362-BLK1	08/03/07 14:30
Dissolved Metals by EPA Method 6010B						
7080177-BLK1						
Lead	<3.00		ug/L	7080177	7080177-BLK1	08/02/07 11:40
Volatile Organic Compounds by EPA Method 8021B						
7080618-BLK1						
Benzene	<0.610		ug/L	7080618	7080618-BLK1	08/03/07 10:00
Ethylbenzene	<0.460		ug/L	7080618	7080618-BLK1	08/03/07 10:00
Toluene	<0.600		ug/L	7080618	7080618-BLK1	08/03/07 10:00
Xylenes, total	<0.840		ug/L	7080618	7080618-BLK1	08/03/07 10:00
Surrogate: a,a,a-Trifluorotoluene	107%			7080618	7080618-BLK1	08/03/07 10:00
7080618-BLK2						
Benzene	<0.610		ug/L	7080618	7080618-BLK2	08/04/07 00:05
Ethylbenzene	<0.460		ug/L	7080618	7080618-BLK2	08/04/07 00:05
Toluene	<0.600		ug/L	7080618	7080618-BLK2	08/04/07 00:05
Xylenes, total	<0.840		ug/L	7080618	7080618-BLK2	08/04/07 00:05
Surrogate: a,a,a-Trifluorotoluene	109%			7080618	7080618-BLK2	08/04/07 00:05
7081026-BLK1						
Benzene	<0.610		ug/L	7081026	7081026-BLK1	08/06/07 07:35
Ethylbenzene	<0.460		ug/L	7081026	7081026-BLK1	08/06/07 07:35
Toluene	<0.600		ug/L	7081026	7081026-BLK1	08/06/07 07:35
Xylenes, total	<0.840		ug/L	7081026	7081026-BLK1	08/06/07 07:35
Surrogate: a,a,a-Trifluorotoluene	109%			7081026	7081026-BLK1	08/06/07 07:35
Selected Volatile Organic Compounds by EPA Method 8260B						
7080918-BLK1						
Ethanol	<62.0		ug/L	7080918	7080918-BLK1	08/05/07 20:28
Surrogate: 1,2-Dichloroethane-d4	137%			7080918	7080918-BLK1	08/05/07 20:28
Surrogate: Dibromofluoromethane	108%			7080918	7080918-BLK1	08/05/07 20:28
Surrogate: Toluene-d8	95%			7080918	7080918-BLK1	08/05/07 20:28
Surrogate: 4-Bromofluorobenzene	134%	Z2		7080918	7080918-BLK1	08/05/07 20:28
Extractable Petroleum Hydrocarbons						
7080248-BLK1						
Diesel	<37.0		ug/L	7080248	7080248-BLK1	08/04/07 00:10
Motor Oil	<37.0		ug/L	7080248	7080248-BLK1	08/04/07 00:10
Surrogate: o-Terphenyl	99%			7080248	7080248-BLK1	08/04/07 00:10

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Work Order: NQH0164
 Project Name: Exxon 7-6375
 Project Number: 31116
 Received: 08/01/07 08:00

PROJECT QUALITY CONTROL DATA
 Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Purgeable Petroleum Hydrocarbons						
7080618-BLK1						
GRO (C4-C12) NW	<43.0		ug/L	7080618	7080618-BLK1	08/03/07 10:00
Surrogate: a,a,a-Trifluorotoluene	107%			7080618	7080618-BLK1	08/03/07 10:00
7080618-BLK2						
GRO (C4-C12) NW	<43.0		ug/L	7080618	7080618-BLK2	08/04/07 00:05
Surrogate: a,a,a-Trifluorotoluene	109%			7080618	7080618-BLK2	08/04/07 00:05
7081026-BLK1						
GRO (C4-C12) NW	<43.0		ug/L	7081026	7081026-BLK1	08/06/07 07:35
Surrogate: a,a,a-Trifluorotoluene	109%			7081026	7081026-BLK1	08/06/07 07:35

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Work Order: NQH0164
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PROJECT QUALITY CONTROL DATA
 LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Total Metals by EPA Method 6010B								
7080362-BS1								
Lead	50.0	52.3		ug/L	105%	80 - 120	7080362	08/03/07 14:34
Dissolved Metals by EPA Method 6010B								
7080177-BS1								
Lead	50.0	48.3		ug/L	97%	80 - 120	7080177	08/02/07 11:44
Volatile Organic Compounds by EPA Method 8021B								
7080618-BS1								
Benzene	100	83.3		ug/L	83%	74 - 127	7080618	08/06/07 10:30
Ethylbenzene	100	84.1		ug/L	84%	74 - 128	7080618	08/06/07 10:30
Toluene	100	80.4		ug/L	80%	74 - 126	7080618	08/06/07 10:30
Xylenes, total	200	166		ug/L	83%	74 - 129	7080618	08/06/07 10:30
Surrogate: a,a,a-Trifluorotoluene	30.0	28.7			96%	46 - 153	7080618	08/06/07 10:30
7081026-BS1								
Benzene	100	97.5		ug/L	97%	74 - 127	7081026	08/06/07 21:34
Ethylbenzene	100	104		ug/L	104%	74 - 128	7081026	08/06/07 21:34
Toluene	100	98.0		ug/L	98%	74 - 126	7081026	08/06/07 21:34
Xylenes, total	200	218		ug/L	109%	74 - 129	7081026	08/06/07 21:34
Surrogate: a,a,a-Trifluorotoluene	30.0	34.4			115%	46 - 153	7081026	08/06/07 21:34
Selected Volatile Organic Compounds by EPA Method 8260B								
7080918-BS1								
Ethanol	5000	9650	L	ug/L	193%	41 - 166	7080918	08/05/07 18:42
Surrogate: 1,2-Dichloroethane-d4	25.0	30.7			123%	62 - 142	7080918	08/05/07 18:42
Surrogate: Dibromofluoromethane	25.0	27.2			109%	78 - 123	7080918	08/05/07 18:42
Surrogate: Toluene-d8	25.0	24.2			97%	79 - 120	7080918	08/05/07 18:42
Surrogate: 4-Bromofluorobenzene	25.0	27.2			109%	75 - 133	7080918	08/05/07 18:42
Extractable Petroleum Hydrocarbons								
7080248-BS1								
Diesel	1000	863	MNR1	ug/L	86%	35 - 122	7080248	08/04/07 00:26
Surrogate: o-Terphenyl	20.0	21.3			107%	50 - 150	7080248	08/04/07 00:26
Purgeable Petroleum Hydrocarbons								
7080618-BS2								
GRO (C4-C12) NW	1000	1030		ug/L	103%	66 - 125	7080618	08/04/07 05:27
Surrogate: a,a,a-Trifluorotoluene	30.0	25.2			84%	46 - 153	7080618	08/04/07 05:27
7081026-BS2								
GRO (C4-C12) NW	1000	1110		ug/L	111%	66 - 125	7081026	08/06/07 21:58
Surrogate: a,a,a-Trifluorotoluene	30.0	34.4			115%	46 - 153	7081026	08/06/07 21:58

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Attn: Amanda Balzer

Work Order: NQH0164
Project Name: Exxon 7-6375
Project Number: 31116
Received: 08/01/07 08:00

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Purgeable Petroleum Hydrocarbons								

Client ERI Tukwila (10313)
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Work Order: NQH0164
 Project Name: Exxon 7-6375
 Project Number: 31116
 Received: 08/01/07 08:00

PROJECT QUALITY CONTROL DATA
LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8021B												
7081026-BSD1												
Benzene		102		ug/L	100	102%	74 - 127	5	30	7081026		08/06/07 12:45
Ethylbenzene		105		ug/L	100	105%	74 - 128	0.6	30	7081026		08/06/07 12:45
Toluene		96.6		ug/L	100	97%	74 - 126	1	46	7081026		08/06/07 12:45
Xylenes, total		207		ug/L	200	104%	74 - 129	5	36	7081026		08/06/07 12:45
Surrogate: <i>a,a,a</i> -Trifluorotoluene		34.9		ug/L	30.0	116%	46 - 153			7081026		08/06/07 12:45
Selected Volatile Organic Compounds by EPA Method 8260B												
7080918-BSD1												
Ethanol		10600	L	ug/L	5000	212%	41 - 166	9	43	7080918		08/05/07 19:08
Surrogate: <i>1,2</i> -Dichloroethane- <i>d4</i>		33.9		ug/L	25.0	136%	62 - 142			7080918		08/05/07 19:08
Surrogate: Dibromofluoromethane		26.3		ug/L	25.0	105%	78 - 123			7080918		08/05/07 19:08
Surrogate: Toluene- <i>d8</i>		23.8		ug/L	25.0	95%	79 - 120			7080918		08/05/07 19:08
Surrogate: <i>4</i> -Bromofluorobenzene		26.7		ug/L	25.0	107%	75 - 133			7080918		08/05/07 19:08
Purgeable Petroleum Hydrocarbons												
7081026-BSD2												
GRO (C4-C12) NW		958		ug/L	1000	96%	66 - 125	14	27	7081026		08/06/07 13:34
Surrogate: <i>a,a,a</i> -Trifluorotoluene		36.6		ug/L	30.0	122%	46 - 153			7081026		08/06/07 13:34

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Work Order: NQH0164
 Project Name: Exxon 7-6375
 Project Number: 31116
 Received: 08/01/07 08:00

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Total Metals by EPA Method 6010B										
7080362-MS1										
Lead	ND	46.8		ug/L	50.0	94%	75 - 125	7080362	NQH0199-01	08/03/07 15:02
Dissolved Metals by EPA Method 6010B										
7080177-MS1										
Lead	ND	48.9		ug/L	50.0	98%	75 - 125	7080177	NQH0077-01	08/02/07 11:56
Volatile Organic Compounds by EPA Method 8021B										
7080618-MS1										
Benzene	0.207	46.0		ug/L	50.0	92%	61 - 153	7080618	NQH0034-08	08/06/07 23:10
Ethylbenzene	0.0490	46.6		ug/L	50.0	93%	64 - 151	7080618	NQH0034-08	08/06/07 23:10
Toluene	0.0730	43.9		ug/L	50.0	88%	59 - 152	7080618	NQH0034-08	08/06/07 23:10
Xylenes, total	0.114	93.4		ug/L	100	93%	62 - 153	7080618	NQH0034-08	08/06/07 23:10
Surrogate: <i>a,a,a</i> -Trifluorotoluene		33.3		ug/L	30.0	111%	46 - 153	7080618	NQH0034-08	08/06/07 23:10

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Work Order: NQH0164
 Project Name: Exxon 7-6375
 Project Number: 31116
 Received: 08/01/07 08:00

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Total Metals by EPA Method 6010B												
7080362-MSD1												
Lead	ND	49.9		ug/L	50.0	100%	75 - 125	6	20	7080362	NQH0199-01	08/03/07 15:06
Dissolved Metals by EPA Method 6010B												
7080177-MSD1												
Lead	ND	50.4		ug/L	50.0	101%	75 - 125	3	20	7080177	NQH0077-01	08/02/07 12:01
Volatile Organic Compounds by EPA Method 8021B												
7080618-MSD1												
Benzene	0.207	45.5		ug/L	50.0	91%	61 - 153	1	30	7080618	NQH0034-08	08/06/07 23:35
Ethylbenzene	0.0490	46.0		ug/L	50.0	92%	64 - 151	1	30	7080618	NQH0034-08	08/06/07 23:35
Toluene	0.0730	43.2		ug/L	50.0	86%	59 - 152	1	46	7080618	NQH0034-08	08/06/07 23:35
Xylenes, total	0.114	92.0		ug/L	100	92%	62 - 153	2	36	7080618	NQH0034-08	08/06/07 23:35
Surrogate: <i>a,a,a-Trifluorotoluene</i>		33.8		ug/L	30.0	113%	46 - 153			7080618	NQH0034-08	08/06/07 23:35

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Work Order: NQH0164
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Project Number: 31116
Received: 08/01/07 08:00

CERTIFICATION SUMMARY

TestAmerica - Nashville, TN

Method	Matrix	AIHA	Nelac	Washington
NWTPH-Dx	Water	N/A	X	X
NWTPH-Gx	Water	N/A	X	X
SW846 6010B	Water	N/A	X	X
SW846 8021B	Water	N/A	X	X
SW846 8260B	Water	N/A	X	X

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Work Order: NQH0164
Project Name: Exxon 7-6375
Project Number: 31116
Received: 08/01/07 08:00

DATA QUALIFIERS AND DEFINITIONS

- A-01** Primary contamination elutes between C6 and C18 which is in the mineral spirits range however does not match any standards in our reference library.
- A-01a** Secondary contamination elutes between C28 and C40 which is in the motor oil range however the contamination is too low for standard reference matching.
- L** Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
- MNR1** There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.
- QSG** Silica Gel clean-up performed on extracts.
- Z2** Surrogate recovery was above the acceptance limits. Data not impacted.
- ND** Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES



NQH0164

Cooler Received/Opened On 08/01/07 @ 08:00

1. Tracking # 5991 (last 4 digits, FedEx)

Courier: FED-EX IR Gun ID A01124

2. Temperature of rep. sample or temp blank when opened: 03 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES NO NA

If yes, how many and where: 1 - FRONT

5. Were the seals intact, signed, and dated correctly? YES NO NA

6. Were custody papers inside cooler? YES NO NA

I certify that I opened the cooler and answered questions 1-6 (Initial) JR

7. Were custody seals on containers: YES and intact YES NO NA

Were these signed and dated correctly? YES NO NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Fram Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES NO NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES NO NA

12. Did all container labels and tags agree with custody papers? YES NO NA

13a. Were VOA vials received? YES NO NA

b. Was there any observable headspace present in any VOA vial? YES NO NA

14. Was there a Trip Blank in this cooler? YES NO NA If multiple coolers, sequence # JR

I certify that I unloaded the cooler and answered questions 7-14 (Initial) JR

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES NO NA

b. Did the bottle labels indicate that the correct preservatives were used YES NO NA

If preservation in-house was needed, record standard ID of preservative used here _____

16. Was residual chlorine present? YES NO NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Initial) JR

17. Were custody papers properly filled out (ink, signed, etc)? YES NO NA

18. Did you sign the custody papers in the appropriate place? YES NO NA

19. Were correct containers used for the analysis requested? YES NO NA

20. Was sufficient amount of sample sent in each container? YES NO NA

I certify that I entered this project into LIMS and answered questions 17-20 (Initial) JR

I certify that I attached a label with the unique LIMS number to each container (Initial) JR

21. Were there Non-Conformance issues at login? YES NO Was a PIPE generated? YES NO # 44720

JR
8/1/07

No containers
for lead tests

**FIELD LOG
PURGING AND SAMPLING RECORD & WELL EQUIPMENT STATUS**

CLIENT NAME: ExxonMobil 7-6375 **ERI JOB #:** 31116 0.163 gal/ft for a 2" well
SITE LOCATION: 8325 Mukilteo Speedway 0.652 gal/ft for a 4" well
FIELD CREW: RGH **DATE:** 07/31/2007 1.167 gal/ft for a 6" well

WELL EQUIPMENT STATUS OPTIONS:
N = Not Repaired in time available **OK = No action needed**
R = Repaired **Yes** **No** **N/A**

WELL #	TIME	DEPTH TO WATER	DEPTH OF WELL	CASE DIA	CASE VOL(gal)	PRG VOL			
MW1	12:28 PM	10.19	12.0	2	0.30	0.89			
	12:29 PM	12.03				1			
	12:35 PM	11.85							
SW	1:00 PM	11.68							
	VAULT LID	BOLTS	GASKET	WELL PLUG	LOCK	VAULT SEAL	WATER IN VAULT?	REPLACE VAULT?	
	OK	R	OK	OK	OK	OK	No	Yes	

COMMENTS: Vault bolt ears are too large for bolts and cannot be retapped to 3/4" bolt size. Vault was secured with threading strips. Unknown copepod-like invertebrates present in well. Well did not recharge a sufficient volume after one hour to collect all requested samples.

WELL #	TIME	DEPTH TO WATER	DEPTH OF WELL	CASE DIA	CASE VOL(gal)	PRG VOL			
MW2	12:17 PM	DRY	24.5	2					
SW									
	VAULT LID	BOLTS	GASKET	WELL PLUG	LOCK	VAULT SEAL	WATER IN VAULT?	REPLACE VAULT?	
	OK	OK	OK	OK	R	OK	No	No	

COMMENTS:

WELL #	TIME	DEPTH TO WATER	DEPTH OF WELL	CASE DIA	CASE VOL(gal)	PRG VOL			
SV1	11:58 AM	DRY	14.5	2					
SW									
	VAULT LID	BOLTS	GASKET	WELL PLUG	LOCK	VAULT SEAL	WATER IN VAULT?	REPLACE VAULT?	
	OK	OK	R	OK	R	OK	No	No	

COMMENTS:

**FIELD LOG
PURGING AND SAMPLING RECORD & WELL EQUIPMENT STATUS**

CLIENT NAME: ExxonMobil 7-6375	ERI JOB #: 31116	0.163 gal/ft for a 2" well
SITE LOCATION: 8325 Mukilteo Speedway		0.652 gal/ft for a 4" well
FIELD CREW: RGH	DATE: 07/31/2007	1.167 gal/ft for a 6" well

WELL EQUIPMENT STATUS OPTIONS:

N = Not Repaired in time available	OK = No action needed
R = Repaired	Yes No N/A

WELL #	TIME	DEPTH TO WATER	DEPTH OF WELL	CASE DIA	CASE VOL(gal)	PRG VOL		
SV2	1:14 PM	2.87	7.5	2	0.76	2.27		
	1:15 PM					1		
	1:16 PM					2		
	1:16 PM					2.5		
SW	1:46 PM	3.98						
	VAULT LID	BOLTS	GASKET	WELL PLUG	LOCK	VAULT SEAL	WATER IN VAULT?	REPLACE VAULT?
	OK	OK	OK	OK	OK	OK	No	No
COMMENTS:								