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# REPORTS

# DATE:

6-06

Whole Earth Environmental, Inc.

2103 Arbor Cove Katy, Tx. 77494 281.394.2050 whearth@msn.com

2006 MAR 13 PM 12 05

March 6, 2006

NMOCD 1220 South Saint Francis Dr. Sante Fe, NM 87505

Attn: Wayne Price

Dear Wayne:

Enclosed, please find a copy of the laboratory analytical results, hydro geologic gradient chart & spreadsheet summary for the Devon Patsy site situated southeast of Monument in Lea County New Mexico.

The Patsy Battery was acquired by Devon Energy in 2001 as a part of a larger asset purchase. Prior to the acquisition, all of the tanks and ancillary equipment were removed leaving only bare ground and a few joints of 2" flow lines. Devon does not own or operate any other properties in the immediate area.

Upon notification of potential environmental defects, Devon undertook two independent studies of the site which included the advancement, development and monitoring of a series of seven monitor wells. An initial analysis of the waters from within the wells indicated extensive chloride contamination of the site including three wells situated well up gradient of all production facilities. Only one well (MW -5) indicated BTEX involvement. This well was situated adjacent to a production pit used only sporadically over the life of the facility.

With sandy soil conditions and a water table located less than thirty feet below ground, minor amounts of hydrocarbons migrated to the water table directly below the production pit. In March, 2005, Whole Earth Environmental excavated all hydrocarbon and brine contaminated soils from the production pit area and through a combination of aeration and dilution reduced the TPH, BTEX and chloride concentrations of the soils to levels specified within the approved protocol.

The water table directly beneath the pit was pumped out several times until no sheen appeared on the surface. The water was then analyzed for BTEX and found to be at essentially non-detection levels. When tested this year, all monitor wells again showed non-detection levels of BTEX.

The chloride concentrations within the wells actually trended upward over the last analysis – including those wells situated up-gradient from the production facilities. This is clear indication that the elevated chloride concentrations are resulting from off site sources migrating on to the location.

We would like to plug and abandon almost all of the monitor wells at the site. We propose to leave Monitor Well no. 5 open for a minimum period of three years. Well no. 5 is the only one ever to show BTEX involvement and is additionally the most up-gradient of the wells on the site. It's location will allow us to trend the background chloride migration over time. Thank you in advance for your consideration of our proposal. I very much look forward to discussing this with you in the near future.

Warmest personal regards,

Mike Griffin<sup>7</sup> President Whole Earth Environmental, Inc.

Cc: Chris Biagi / Devon Energy Corporation

Attachments: Environmental Lab of Tx. Analytical Report 6B14001 Gradient and Monitor Well Location Map Historical Analytical Analysis Summary Hydrological Gradient Chart Bailing Logs



# Analytical Report

## **Prepared for:**

Mike Griffin WHOLE EARTH ENVIRONMENTAL 2103 Arbor Cove Katy, TX 77494

> Project: Patsy Lease Project Number: None Given Location: Monument

> Lab Order Number: 6B14001

Report Date: 02/21/06

WHOLE EARTH ENVIRONMENTALProject: Patsy LeaseFax: (281) 394-20512163 Arbor CoveProject Number: None GivenReported:Katy TX, 77494Project Manager: Mike Griffin02/21/06 15:59

## ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	6B14001-01	Water	,02/13/06 09:41	02/14/06 08:10
MW-3	6B14001-02	Water	02/13/06 09:13	02/14/06 08:10
MW-4	6B14001-03	Water	02/13/06 08:50	02/14/06 08:10
MW-5	6B14001-04	Water	02/13/06 08:15	02/14/06 08:10
MW-6	6B14001-05	Water	02/13/06 08:25	02/14/06 08:10
MW-7	6B14001-06	Water	02/13/06 09:51	02/14/06 08:10

## Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
MW-1 (6B14001-01) Water									
Benzene	J [0.000908]	0.00100	mg/L	1	EB61616	02/16/06	02/17/06	EPA 8021B	
Toluene	0.00148	0.00100	"		"	11	U.	11	
Ethylbenzene	0.00806	0.00100	"	"	n	u	11	11	
Xylene (p/m)	0.00211	0.00100	н	n	н		11	11	
Xylene (o)	J [0.000258]	0.00100	N	n	n	n	n	u	
Surrogate: a,a,a-Trifluorotoluene		97.0 %	80-	120	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.8 %	80-	120	"	"	"	"	
MW-3 (6B14001-02) Water									
Benzene	ND	0.00100	mg/L	1	EB61616	02/16/06	02/17/06	EPA 8021B	
Toluene	ND	0.00100	н	"	**	"	н	14	
Ethylbenzene	ND	0.00100	"	"	"	n	н	11	
Xylene (p/m)	ND	0.00100	"		"	n	н	11	
Xylene (o)	ND	0.00100	н	"	u	11	"	u	
Surrogate: a,a,a-Trifluorotoluene		94.8 %	80-	120	"	"	"	н	
Surrogate: 4-Bromofluorobenzene		82.0 %	80-	120	"	"	"	n	
MW-4 (6B14001-03) Water									
Benzene	ND	0.00100	mg/L	1	EB61616	02/16/06	02/17/06	EPA 8021B	
Toluene	ND	0.00100		u.	۳.		u	п	
Ethylbenzene	ND	0.00100	11	н	н	IT	11	**	
Xylene (p/m)	ND	0.00100	"	и	11	н	11		
Xylene (o)	ND	0.00100	n	11	11	11	н	u	
Surrogate: a,a,a-Trifluorotoluene		80.0 %	80-	120	"	. "	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	80-	120	"	"	"		
MW-5 (6B14001-04) Water									
Benzene	ND	0.00100	mg/L	. 1	EB61616	02/16/06	02/20/06	EPA 8021B	
Toluene	ND	0.00100	в.,	11	11	"	0	u	
Ethylbenzene	ND	0.00100		11	u	"	0	"	
Xylene (p/m)	ND	0.00100	0	u	н		н	н	
Xylene (o)	ND	0.00100		· "	н		н	n	
Surrogate: a,a,a-Trifluorotoluene		98.2 %	80-	120	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		109 %		120	"	"	"	"	

Environmental Lab of Texas

WHOLE EARTH ENVIRONMENTAL	Project: Patsy Lease	Fax: (281) 394-2051
2103 Arbor Cove	Project Number: None Given	Reported:
Katy TX, 77494	Project Manager: Mike Griffin	02/21/06 15:59

## Organics by GC Environmental Lab of Texas

Analuta	Result	Reporting Limit	Units						
Analyte	Kesuit		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-6 (6B14001-05) Water									
Benzene	ND	0.00100	mg/L	1	EB61616	02/16/06	02/20/06	EPA 8021B	
Toluene	ND	0.00100	υ.	**	н	U	"	"	
Ethylbenzene	ND	0.00100	"	u	H	11	н	n	
Xylene (p/m)	ND	0.00100	H	н		н	"	"	
Xylene (0)	ND	0.00100	н	11	и ,	н		0	
Surrogate: a,a,a-Trifluorotoluene		112 %	80-1	120	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		120 %	80-1	120		"	"	"	
MW-7 (6B14001-06) Water									
Benzene	ND	0.00100	mg/L	1	EB61616	02/16/06	02/20/06	EPA 8021B	
Toluene	ND	0.00100		u.		"	11	*1	
Ethylbenzene	ND	0.00100		"	0	n	"	11	
Xylene (p/m)	ND	0.00100	"	U		н	u.	11	

80-120

80-120

0

"

"

"

"

"

0.00100

106 %

114 %

ND

Surrogate: a,a,a-Trifluorotoluene Surrogate: 4-Bromofluorobenzene

Xylene (o)

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The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

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## General Chemistry Parameters by EPA / Standard Methods

**Environmental Lab of Texas** 

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (6B14001-01) Water									
Chloride	1110	25.0	mg/L	50	EB61711	02/17/06	02/20/06	EPA 300.0	
MW-3 (6B14001-02) Water									
Chloride	615	12.5	mg/L	25	EB61711	02/17/06	02/20/06	EPA 300.0	
MW-4 (6B14001-03) Water									
Chloride	603	12.5	mg/L	25	EB61711	02/17/06	02/20/06	EPA 300.0	
MW-5 (6B14001-04) Water						.*			
Chloride	575	12.5	mg/L	25	ĖB61711	02/17/06	02/20/06	EPA 300.0	
MW-6 (6B14001-05) Water									
Chloride	895	12.5	mg/L	25	EB61711	02/17/06	02/20/06	EPA 300.0	
MW-7 (6B14001-06) Water									
Chloride	588	12.5	mg/L	25	EB61711	02/17/06	02/20/06	EPA 300.0	

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## **Organics by GC - Quality Control**

## **Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EB61616 - EPA 5030C (GC)										
Blank (EB61616-BLK1)				Prepared	& Analyz	ed: 02/16/0	06			
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	34. I	<u>.</u>	ug/l	40.0		85.2	80-120			
Surrogate: 4-Bromofluorobenzene	36.3		"	40.0		90.8	80-120			
LCS (EB61616-BS1)				Prepared	& Analyz	ed: 02/16/	06			
Benzene	0.104	0.00100	mg/L	0.100		104	80-120			
Foluene	0.111	0.00100	11	0.100		111	80-120			
Ethylbenzene	0.115	0.00100	14	0.100		115	80-120			
Xylene (p/m)	0.206	0.00100	. "	0.200		103	80-120			
Xylene (o)	0.120	0.00100	н	0.100		120	80-120			
Surrogate: a,a,a-Trifluorotoluene	40.1		ug/l	40.0		100	80-120	·		
Surrogate: 4-Bromofluorobenzene	43.5		"	40.0		109	80-120			
Calibration Check (EB61616-CCV1)				Prepared:	02/16/06	Analyzed	l: 02/17/06			
Benzene	107		ug/l	100		107	80-120			
Toluene	112		u.	100		112	80-120			
Ethylbenzene	106		"	100		106	80-120			
Xylene (p/m)	188			200		94.0	80-120			
Xylene (o)	102		11	100		102	80-120			
Surrogate: a.a.a-Trifluorotoluene	40.2		"	40.0		100	80-120			
Surrogate: 4-Bromofluorobenzene	36.5		"	40.0		91.2	80-120			
Matrix Spike (EB61616-MS1)	Sa	ource: 6B0900	)4-01	Prepared:	02/16/06	Analyzed	1: 02/17/06			
Benzene	0.0988	0.00100	mˈɡ/L	0.100	ND	98.8	80-120			
Toluene	0.116	0.00100	н	0.100	ND	116	80-120			
Ethylbenzene	0.119	0.00100		0.100	ND	119	80-120			
Xylene (p/m)	0.217	0.00100	н	0.200	ND	108	80-120			
Xylene (0)	0.119	0.00100	н	0.100	ND	119	80-120			
Surrogate: a,a,a-Trifluorotoluene	41.9		ug/l	40.0		105	80-120			
Surrogate: 4-Bromofluorobenzene	39.5		"	40.0		98.8	80-120			

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## 02/21/06 15:59

## **Organics by GC - Quality Control**

## **Environmental Lab of Texas**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

### Batch EB61616 - EPA 5030C (GC)

Matrix Spike Dup (EB61616-MSD1)	Sou	irce: 6B0900	4-01	Prepared:	02/16/06	Analyzed	1: 02/17/06		
Benzene	0.0968	0.00100	mg/L	0.100	ND	96.8	80-120	2.04	20
Toluene	0.114	0.00100	11	0.100	ND	114	80-120	1.74	20
Ethylbenzene	0.115	0.00100	н	0.100	ND	115	80-120	3.42	20
Xylene (p/m)	0.204	0.00100	н	0.200	ND	102	80-120	5.71	20
Xylene (0)	0.115	0.00100	n	0.100	ND	115	80-120	3.42	20
Surrogate: a,a,a-Trifluorotoluene	41.6		ug/l	40.0		104	80-120		
Surrogate: 4-Bromofluorobenzene	34.2		"	40.0		85.5	80-120		

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## General Chemistry Parameters by EPA / Standard Methods - Quality Control

## **Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EB61711 - General Preparatio	n (WetChem)	)			·					
Blank (EB61711-BLK1)				Prepared:	02/17/06	Analyzed	: 02/20/06			
Chloride	ND	0.500	mg/L							
LCS (EB61711-BS1)				Prepared:	02/17/06	Analyzed	: 02/20/06			
Chloride	8.76	0.500	mg/L	10.0		87.6	80-120			
Calibration Check (EB61711-CCV1)				Prepared:	02/17/06	Analyzed	: 02/20/06			
Chloride	8.59		mg/L	10.0		85.9	80-120			
Duplicate (EB61711-DUP1)	Sou	rce: 6B1300	6-01	Prepared:	02/17/06	Analyzed	: 02/20/06			
Chloride	641	12.5	mg/L		629			1.89	20	

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### Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Kalandk Jurib

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer Jeanne Mc Murrey, Inorg. Tech Director LaTasha Cornish, Chemist Sandra Sanchez, Lab Tech.

Date: 2-21-06

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Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

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Project Manager	ء 1		Phone #:								:
M	1, 62, K.S.		FAX #:	• • .			ANALYSI	ANALYSIS REQUEST			
Company Nam	Wholp Earth	HN E WN: AOM	Ş						••••		
Project #:	1		Project Name : Point 5 V	ne: V Ľgosp	• .						
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		58		<sup>t</sup> PRESERVATIVE SAME METHOD	SAMPLING	<b>8</b> A 0A	61	50			
LAB #	FIELD CODE	W CONTAINE	Volume/Amou Volume/Amou SOIL AIR AIR AIR AIR SUUDGE	нсг	BTEX 8020	TPH 418.1   TCLP Metals TCLP Metals	TCLP Volatile TCLP Semi V TOS	<u>(المبرجم</u> الادا			
10-100+15	M61-1	<u> </u>	X Lot		X 117.6		·····	~	· · · · · ·		
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Clurth	iter	2/14/06	8: (D	Paren lelly		wi lab	lubel & sea	al jar			
2				2							

EB

Variance / C	Environmental Lab of Texas Corrective Action Report – Sample Log-In
Client: What Ear	th
Date/Time:	8:10
Order #: 684001	
Initials:	

## Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	015 CI
Shipping container/cooler in good condition?	C	No	
Custody Seals intact on shipping container/cooler?	Yes	No	Octoresent
Custody Seals intact on sample bottles?	Xes	No	Not present
Chain of custody present?	E	No	
Sample Instructions complete on Chain of Custody?	6	No	
Chain of Custody signed when relinquished and received?	Kas I	No	
Chain cf custody agrees with sample label(s)	E I	No	
Container labels legible and intact?	8	No	
Sample Matrix and properties same as on chain of custody?	(Cal	No	
Samples in procer container/bottle?	Xes	No	•
Samples properly preserved?	Yes)	No	
Sample bottles intact?	YE	No	
Preservations documented on Chain of Custody?	1 Ces	No	
Containers documented on Chain of Custody?	Yes	No	
Sufficient sample amount for indicated test?	YES	No	
All samples received within sufficient hold time?	× C	No	
VOC samples have zero headspace?	YO	No	Nct Applicable

Other observations:

Samples not frozen.

Variance Documentation: Contact Person: -\_\_\_\_\_ Date/Time: \_\_\_\_\_\_ Contacted by: \_\_\_\_\_ Regarding: Corrective Action Taken: \_\_\_\_\_ 



NAME	NORTHING	EASTING	LATITUDE	LONGITUDE	ELEVATION NO. SIDE PVC	ELEVATION CONCRETE
MW #1	N575474.584	E863628.018	N32°34'39.6"	W103°17'13.4"	3549.64'	3546.99'
MW #3	N575580.346	E863608.566	N32'34'40.6"	W10377'13.6"	3550.42'	3547.39'
MW #4	N575564.148	E863539.895	N32*34'40.5"	W10377'14.4"	3549.01'	3546.27'
MW #5	N575560.635	E863260.263	N32°34'40.5"	W10377'17.7"	3549.64'	3546.84'
MW #6	N575258.500	E863374.845	N32'34'37.5"	W10377'16.4"	3547.46'	3545.24'
MW #7	N575349.615	E863612.419	N32'34'38.4"	W10377'13.6"	3546.72'	3543.73'

ALL COORDINATES ARE BASED ON NMSPCE (NAD83)



# Devon Energy Company Patsy Battery Water Analytical Summary

MW-1									
Date	Lab. No	Benzene	Toluene	Ethylbenzene	Xylene	Chlorides			
3/27/2005	5C28002-01	0.002	0.002	0.004	0.003	560			
2/13/2006	6B14001-01	ND	0.0010	0.0080	0.0020	1,110			

MW-3									
Date	Lab. No	Benzene	Toluene	Ethylbenzene	Xylene	Chlorides			
3/27/2005	5C28002-02	ND	ND	ND	ND	664			
2/13/2006	6B14001-02	ND	ND	ND	ND	615			

MW-4									
Date	Lab. No	Benzene	Toluene	Ethylbenzene	Xylene	Chlorides			
3/27/2005	5C28002-03	ND	ND	ND	ND	472			
2/13/2006	6B14001-03	ND	ND	ND	ND	603			

MW-5								
Date	Lab. No	Benzene	Toluene	Ethylbenzene	Xylene	Chlorides		
3/27/2005	5C28002-04	ND	ND	ND	ND	572		
2/13/2006	6B14001-04	ND	ND	ND	ND	575		

MW-6									
Date	Lab. No	Benzene	Toluene	Ethylbenzene	Xylene	Chlorides			
3/27/2005	5C28002-05	ND	ND	ND	ND	1,190			
2/13/2006	6B14001-05	ND	ND	ND	ND	895			

MW-7								
Date	Lab. No	Benzene	Toluene	Ethylbenzene	Xylene	Chlorides		
3/27/2005	5C28002-06	ND	ND	ND	ND	538		
2/13/2006	6B14001-06	ND	ND	ND	ND	588		



# Devon's Patsy Lease Geological-Hydrostatic Head

								Y	Х	Z
						Groundv	vater	Land S	Surface	Geo-Hydro
MW	Elevation	RTW	R	STW	TD	MSL	MW	Northing	Easting	Head
1	3546.99	34.80	2.65	34.80	41.55	3512.19	1	575474.584	863628.018	0.71
3	3547.39	35.40	3.03	35.40	41.80	3511.99	3	575580.346	863608.566	0.51
4	3546.27	33.80	2.74	33.80	41.10	3512.47	4	575564.148	863539.895	0.99
5	3546.84	34.00	2.80	34.00	40.25	3512.84	5	575560.635	863260.263	1.36
6	3545.24	32.50	2.22	32.50	41.35	3512.74	6	575258.500	863374.845	1.26
7	3543.73	32.25	2.99	32.25	40.55	3511.48	7	575349.615	863612.419	0.00



# **Monitor Well Bailing Log**

## Patsy MW #1

N32. <sup>0</sup> 34 <sup>'</sup> 39.6"
W103 <sup>0</sup> 17' 13.4"
3,547 Ft.

As Drilled		As Measured				
Date:		Date:	3/27/05	2/22/06		
Top of Water	<b>. . . . .</b>	Top of Water	31.50	31.40	Ft.	
<b>Bottom of Bore</b>		Bottom of Bore	38.20	38.10	Ft.	
		Bore Volumn	1.08	1.08	Gal.	
		LPNL Top	NA	NA	Ft.	
		LPNL Bottom	NA	NA	Ft.	
		DPNL Top	NA	NA	Ft.	
		DPNL Bottom	NA	NA	Ft.	
		Min. Bailing Vol.	3.24	3.24	Gal.	
		Actual Bailing Vol.	15.00	15.00	Gal.	



# **Monitor Well Bailing Log**

## Patsy MW #3

Lat:	N32. <sup>0</sup> 34 40.6"
Long.	W103 <sup>0</sup> 17' 13.6"
Surf. Elev.	3,550 Ft.

As Drilled		As Measured			
Date:		Date:	3/27/05	2/22/06	
Top of Water	Ft.	Top of Water	31.80	31.90	Ft.
Bottom of Bore	Ft.	Bottom of Bore	38.30	38.40	Ft.
·····		Bore Volumn	1.05	1.05	Gal
		LPNL Top	NA	NA	Ft.
		LPNL Bottom	NA	NA	Ft.
		DPNL Top	NA	NA	Ft.
		DPNL Bottom	NA	NA	Ft.
		Min. Bailing Vol.	3.15	3.15	Gal
		Actual Bailing Vol.	15.00	15.00	Gal.



# Monitor Well Bailing Log

# Patsy MW #4

Lat:	N32. <sup>0</sup> 34 40.5"				
Long.	W103 <sup>0</sup> 17' 14.4"				
Surf. Elev.	3,549 Ft.				

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As Drilled	As Measured

Date:		Date:	3/27/05	2/22/06	7
Top of Water	Ft.	Top of Water	30.30	30.30	Ft.
<b>Bottom of Bore</b>	Ft.	Bottom of Bore	37.40	37.40	Ft.
		Bore Volumn	1.15	1.15	Gal.
		LPNL Top	NA	NA	Ft.
		LPNL Bottom	NA	NA	Ft.
		DPNL Top	NA	NA	Ft.
		DPNL Bottom	NA	NA	Ft.
		Min. Bailing Vol.	3.44	3.44	Gal.
		Actual Bailing Vol.	15.00	15.00	Gal.



# **Monitor Well Bailing Log**

# Patsy MW #5

Lat:	N32. <sup>0</sup> 34 <sup>'</sup> 40.5"				
Long.	W103 <sup>0</sup> 17' 17.7"				
Surf. Elev.	3,549 Ft.				

As Drilled		As Measured			
Date:		Date:	3/27/05	2/22/06	
Top of Water	Ft.	Top of Water	30.70	30.70	Ft.
Bottom of Bore	Ft.	Bottom of Bore	37.40	37.40	Ft.
		Bore Volumn	1.08	1.08	Ga
		LPNL Top	NA	NA	Ft.
		LPNL Bottom	NA	NA	Ft.
		DPNL Top	NA	NA	Ft.
		DPNL Bottom	NA	NA	Ft.
		Min. Bailing Vol.	3.24	3.24	Ga
		Actual Bailing Vol.	15.00	15.00	Gal



# **Monitor Well Bailing Log**

## Patsy MW #6

N32. <sup>0</sup> 34 <sup>'</sup> 37.5"			
W103 <sup>0</sup> 17' 16.4"			
3,547 Ft.			

As Drilled		As Measured			
Date:		Date:	3/27/05	2/22/06	
Top of Water	Ft.	Top of Water	29.20	29.10	Ft.
Bottom of Bore	Ft.	Bottom of Bore	37.90	38.10	Ft.
		Bore Volumn	1.40	1.45	Ga
		LPNL Top	NA	NA	Ft.
		LPNL Bottom	NA	NA	Ft.
		DPNL Top	NA	NA	Ft.
		DPNL Bottom	NA	NA	Ft.
		Min. Bailing Vol.	4.21	4.35	Ga
		Actual Bailing Vol.	15.00	15.00	Ga



# **Monitor Well Bailing Log**

# Patsy MW #7

Lat:	N32. <sup>0</sup> 34 <sup>'</sup> 38.4"				
Long.	W103 <sup>0</sup> 17' 13.6"				
Surf. Elev.	3,546 Ft.				

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As Drilled		As Measured			
Date:		Date:	3/27/05	2/22/06	
Top of Water	Ft.	Top of Water	28.70	28.90	Ft.
Bottom of Bore	Ft.	Bottom of Bore	37.10	37.20	Ft.
		Bore Volumn	1.35	1.34	Gal
		LPNL Top	NA	NA	Ft.
		LPNL Bottom	NA	NA	Ft.
		DPNL Top	NA	NA	Ft.
		DPNL Bottom	NA	NA	Ft.
		Min. Bailing Vol.	4.06	4.02	Gal
		Actual Bailing Vol.	15.00	15.00	Gal