

**1R - 0265**

**REPORTS**

**DATE:**

**2008**



**Whole Earth Environmental, Inc.**

2103 Arbor Cove  
Katy, Tx. 77494  
281.394.2050  
[whearth@msn.com](mailto:whearth@msn.com)

January 17, 2008

NMOCD  
1220 South St. Francis Dr.  
Sante Fe, NM 88241

Attn: Glenn von Gonten

Dear Glenn:

Enclosed, please find a copy of the Burro Pipeline Annual Report for 2007. Whole Earth Environmental, Inc. acquired Burro Pipeline Corporation in may of last year. We are hopeful to begin a more aggressive remediation approach than has been possible in the past and the individual site descriptions contained within this report reflect these desires.

Warmest personal regards,

Mike Griffin  
President  
Whole Earth Environmental, Inc.



## EXECUTIVE SUMMARY

### **Location**

The Bagley Field is located approximately twenty miles west of Tatum, Lea County, New Mexico on State lands. The surrounding terrain is essentially featureless with no surface streams or significant topographical variation present. The area is described as semi-arid with a net pan evaporation / precipitation value of -78" per year.

### **Land Use**

The land surface is primarily used for the grazing of cattle; however extensive oil and gas operations have been present since the 1960s.

### **Site History**

Tipperary Corporation's activities within the area consisted of commercial brine collection and disposal system (Burro Pipeline) and a series of at least thirty-six wells. The production wells were sold to Phoenix Hydrocarbons in 2002 with Tipperary retaining the environmental liability relating to ten production pits. Two of the pits have been closed in accordance with NMOCD rules and eight sites remain under active remediation. In October 2005, Santos USA Corporation purchased the remaining assets of Tipperary Corporation that included the environmental liabilities associated with the ten former production pits, the Lane Salt Lake Facility, and a previously closed production station, Satellite 4.

In May, 2007 Whole Earth Environmental, Inc. acquired Burro Pipeline Corporation from Santos, USA, Inc. The property assets of Burro Pipeline consist solely of the equipment associated with the recovery and monitoring of the eight environmental defects described within this report.

### **Remediation Activities**

Of the eight remaining pit sites, four are under active remediation. Three sites are equipped with windmills and one is equipped with an electric submersible pump. In each case, the contaminated groundwater is pumped from the aquifer directly into the Burro Disposal System owned by Transrepublic, Inc. and operated by Phoenix Hydrocarbons. All sites under active remediation have seen dramatic declines in criteria contaminants and each have predictable times to final closure.



## EXECUTIVE SUMMARY

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### **Site History**

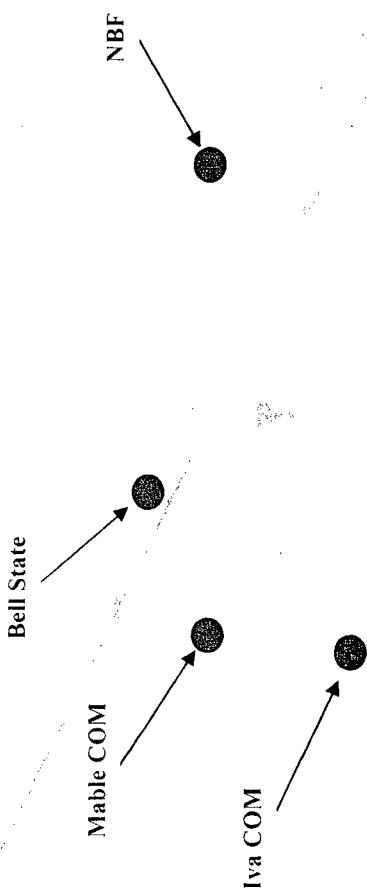
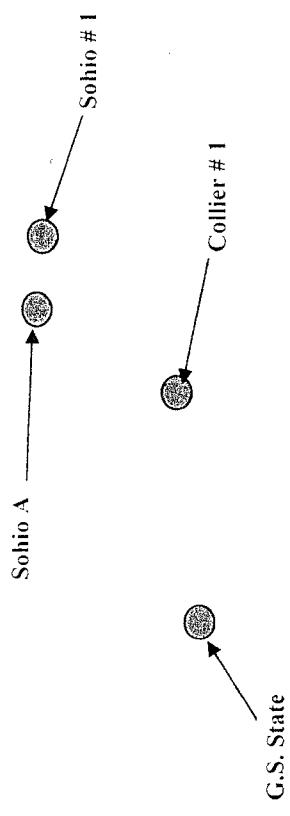
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### **Remediation Activities**

Of the eight remaining pit sites, four are under active remediation. Three sites are equipped with windmills and one is equipped with an electric submersible pump. In each case, the contaminated groundwater is pumped from the aquifer directly into the Burro Disposal System. All sites under active remediation have seen dramatic declines in criteria contaminants and each have predictable times to final closure.

Of the four remaining sites, Burro Pipeline proposes to conduct further investigations to include the installation of several temporary monitor wells to better define plume sources, geometry, and the most efficient active remediation plan. Details of the proposed investigations are included with the individual well sections of this report.

Burro anticipates completing the budgeting process for these investigations by June 30, 2007 and will submit a detailed investigation plan to the NMOCD by September 15, 2007.



RECORDED AND INDEXED  
FEB 22 1988 BY JAMES W. COOPER  
SOUTHERN CALIFORNIA  
PACIFIC TELEPHONE COMPANY

Order No	Amnd #	Applicant	Facility	Notes	Initial Permit	Reviewer	County	Contact
260	0	TIPPERARY OIL & GAS CORP	BELL STATE A"	wp-2/250B-sold to Phoenix-Tipperary retained Envir Liability-Tipperary sold asssts to Santos USA Corp. incl Envir Liability, WholeEarth acquired Burro Pipeline system previously owned by Tipperary.	A	Von Gonten Lea		Mike Griffin- 281-394-2050
261	0	TIPPERARY OIL & GAS CORP	COLIER #1	wp-2/250B-sold to Phoenix-Tipperary retained Envir Liability-Tipperary sold asssts to Santos USA Corp. incl Envir Liability, WholeEarth acquired Burro Pipeline system previously owned by Tipperary.	A	Von Gonten Lea		Mike Griffin- 281-394-2050
262	0	TIPPERARY OIL & GAS CORP	GULF STATE #1	wp-2/250B-sold to Phoenix-Tipperary retained Envir Liability-Tipperary sold asssts to Santos USA Corp. incl Envir Liability, WholeEarth acquired Burro Pipeline system previously owned by Tipperary.	A	Von Gonten Lea		Mike Griffin- 281-394-2050
263	0	TIPPERARY OIL & GAS CORP	IVA COM #1	wp-2/250B-sold to Phoenix-Tipperary retained Envir Liability-Tipperary sold asssts to Santos USA Corp. incl Envir Liability, WholeEarth acquired Burro Pipeline system previously owned by Tipperary.	A	Von Gonten Lea		Mike Griffin- 281-394-2050
264	0	TIPPERARY MABEL COM	OIL & GAS #1	wp-2/250B-sold to Phoenix-Tipperary retained Envir Liability-Tipperary sold asssts to Santos USA Corp. incl Envir Liability, WholeEarth acquired Burro Pipeline system previously owned by Tipperary.	A	Von Gonten Lea		Mike Griffin- 281-394-2050
265	0	TIPPERARY OIL & GAS CORP	NORTH BAGLEY FIELD PITS	wp-2/250B-sold to Phoenix-Tipperary retained Envir Liability-Tipperary sold asssts to Santos USA Corp. incl Envir Liability, WholeEarth acquired Burro Pipeline system previously owned by Tipperary.	A	Von Gonten Lea		Mike Griffin- 281-394-2050
266	0	TIPPERARY OIL & GAS CORP	SATELLITE #4	wp-2/250B-sold to Phoenix-Tipperary retained Envir Liability-Tipperary sold asssts to Santos USA Corp. incl Envir Liability, WholeEarth acquired Burro Pipeline system previously owned by Tipperary.	C	Von Gonten Lea		Mike Griffin- 281-394-2050
267	0	TIPPERARY OIL & GAS CORP	SOHIO STATE #1	wp-2/250B-sold to Phoenix-Tipperary retained Envir Liability-Tipperary sold asssts to Santos USA Corp. incl Envir Liability, WholeEarth acquired Burro Pipeline system previously owned by Tipperary.	A	Von Gonten Lea		Mike Griffin- 281-394-2050
268	0	TIPPERARY OIL & GAS CORP	SOHIO STATE "A"	wp-2/250B-sold to Phoenix-Tipperary retained Envir Liability-Tipperary sold asssts to Santos USA Corp. incl Envir Liability, WholeEarth acquired Burro Pipeline system previously owned by Tipperary.	A	Von Gonten Lea		Mike Griffin- 281-394-2050
269	0	TIPPERARY OIL & GAS CORP	STATE NBF #1	wp-2/250B-sold to Phoenix-Tipperary retained Envir Liability-Tipperary sold asssts to Santos USA Corp. incl Envir Liability, WholeEarth acquired Burro Pipeline system previously owned by Tipperary.	A	Von Gonten Lea		Mike Griffin- 281-394-2050
270	0	TIPPERARY OIL & GAS CORP	STATE NBN #1	wp-2/250B-sold to Phoenix-Tipperary retained Envir Liability-Tipperary sold asssts to Santos USA Corp. incl Envir Liability, WholeEarth acquired Burro Pipeline system previously owned by Tipperary.	C	Von Gonten Lea		Mike Griffin- 281-394-2050
271	0	TIPPERARY OIL & GAS CORP	VERA #1	wp-2/250B-sold to Phoenix-Tipperary retained Envir Liability-Tipperary sold asssts to Santos USA Corp. incl Envir Liability, WholeEarth acquired Burro Pipeline system previously owned by Tipperary.	C	Von Gonten Lea		Mike Griffin- 281-394-2050

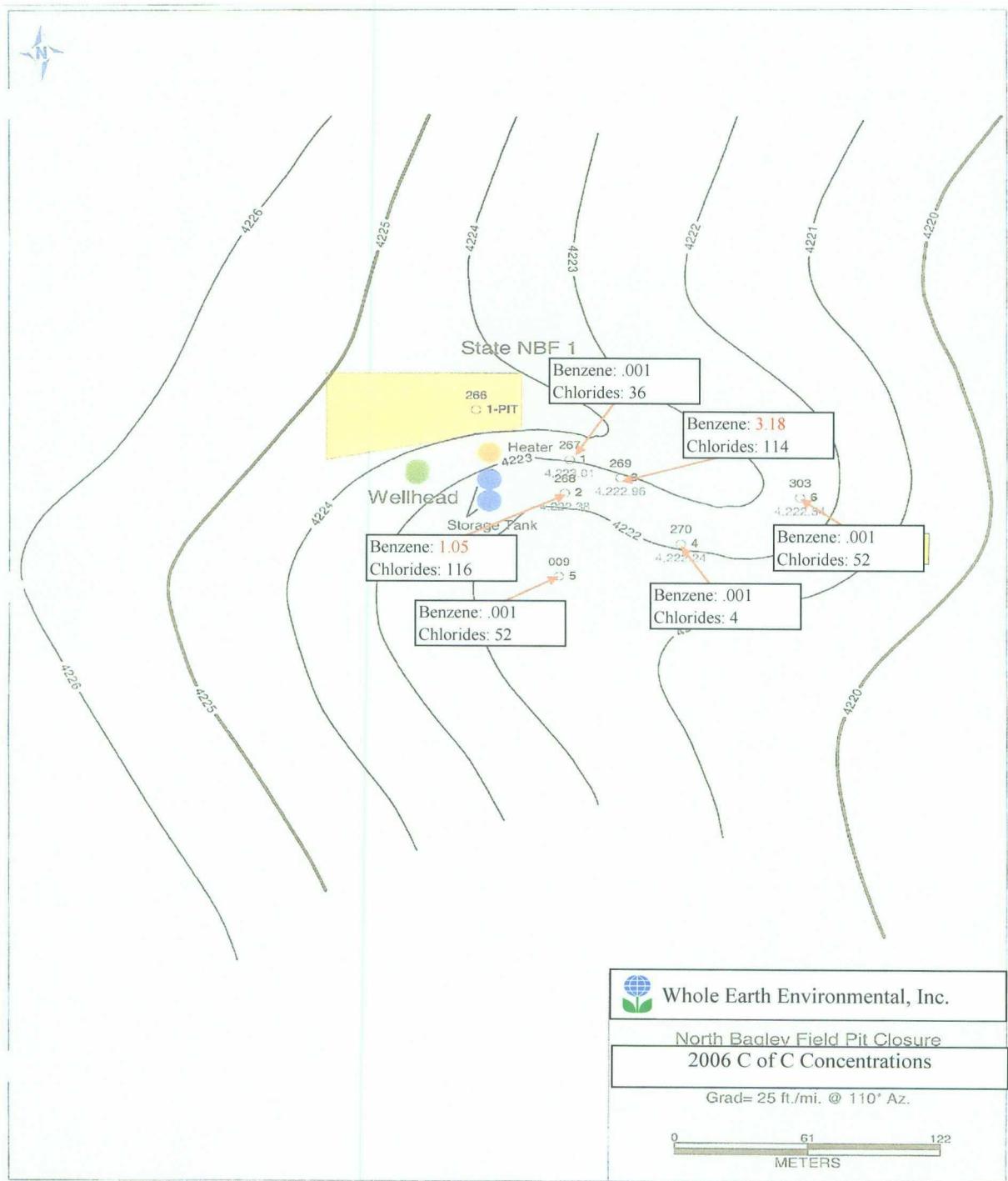


## **State NBF # 1**

The NBF site consists of six monitor wells. All monitor wells show acceptable chloride levels and only monitor wells 2 and 3 show BTEX concentrations above NMWQCC standards. The plume does appear to be naturally attenuating over time and slowly migrating to the west.

Monitor well no. 2 is consistently showing 3-4" of free product within the bailer along with a black sulfide. The location of the monitor well and low chloride concentrations suggests that the free product may be associated with historic leaks within the production battery and not associated with the production pit. The well and associated battery has been inactive for several years and we anticipate that the hydrocarbon concentrations will continue to dissipate over time and not require active pumping.

.We plan to bail several thousand gallons each quarter from monitor wells 2 and 3 in order expedite closure.





Bell

## Monitor Well Bailing Log

Bell MW #4

Lat: N33° 21.3285547'  
Long. W103° 37.28553883'  
Surf. Elev. 4280.54 Ft.

As Drilled		As Measured					
Date:	3/15/1999	Date:	1/23/04	9/29/04	10/27/05	1/10/07	11/3/07
Top of Water	<u>47.44</u> Ft.	Top of Water	<b>44.50</b>	<b>44.50</b>	<b>44.90</b>	<b>45.00</b>	<b>45.20</b>
Bottom of Bore	<u>60</u> Ft.	Bottom of Bore	<b>58.30</b>	<b>58.20</b>	<b>58.30</b>	<b>58.10</b>	<b>58.10</b>
		Bore Volumn	<b>2.23</b>	<b>2.21</b>	<b>2.16</b>	<b>2.11</b>	<b>2.08</b>
		LPNL Top	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
		LPNL Bottom	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
		DPNL Top	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
		DPNL Bottom	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
		Min. Bailing Vol.	<b>6.68</b>	<b>6.63</b>	<b>6.48</b>	<b>6.34</b>	<b>6.52</b>
		Actual Bailing Vol.	<b>15</b>	<b>15</b>	<b>15</b>	<b>5</b>	<b>5</b>

### Comments

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Bell

## Monitor Well Bailing Log

Bell MW #5

Lat: N33° 21.3006243'  
Long. W103° 37.26371767'  
Surf. Elev. 4280.54 Ft.

As Drilled		As Measured							
Date:	6/3/2002	Date:	1/23/04	9/29/04	10/27/05	1/10/07	11/3/07		
Top of Water	41	Ft.	Top of Water	44.30	44.30	44.10	44.00	44.20	Ft.
Bottom of Bore	62	Ft.	Bottom of Bore	57.10	56.50	56.80	56.40	56.40	Ft.
			Bore Volumn	2.06	1.97	2.05	2.00	1.97	Gal.
			LPNL Top	NA	NA	NA	NA	NA	Ft.
			LPNL Bottom	NA	NA	NA	NA	NA	Ft.
			DPNL Top	NA	NA	NA	NA	NA	Ft.
			DPNL Bottom	NA	NA	NA	NA	NA	Ft.
			Min. Bailing Vol.	6.19	5.90	6.15	6.00	6.25	Gal.
			Actual Bailing Vol.	15	10	15	5	5	Gal.

### Comments

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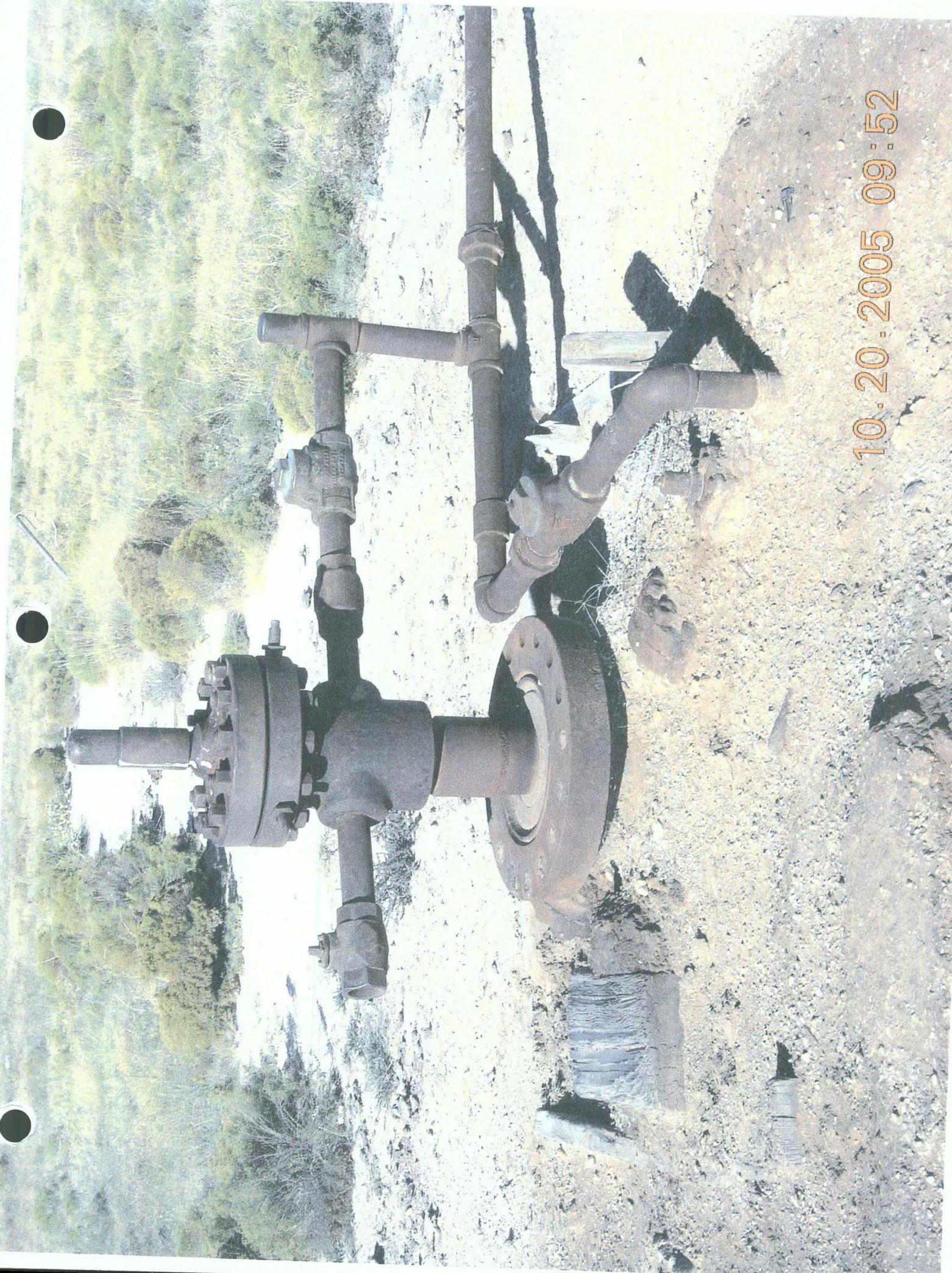
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10.20.2005 09:52



10.20.2005 00:58





**NBF**

## **Monitor Well Bailing Log**

### **NBF MW #1**

Lat: 33° 21.191'  
Long. 103° 26.218  
Surf. Elev. 4,287 Ft.

As Drilled		As Measured							
Date:	08/29/97	Date:	1/23/04	9/29/04	10/21/05	1/11/07	11/3/07		
Top of Water	48	Ft.	Top of Water	36.40	36.50	35.80	36.50	35.70	Ft.
Bottom of Bore	60	Ft.	Bottom of Bore	55.50	55.60	55.60	55.70	55.70	Ft.
			Bore Volumn	3.08	3.08	3.19	3.10	3.23	Gal.
			LPNL Top	NA	NA	NA	NA	NA	Ft.
			LPNL Bottom	NA	NA	NA	NA	NA	Ft.
			DPNL Top	NA	NA	NA	NA	NA	Ft.
			DPNL Bottom	NA	NA	NA	NA	NA	Ft.
			Min. Bailing Vol.	9.24	9.24	9.58	9.29	10.10	Gal.
			Actual Bailing Vol.	15.00	10.00	15.00	10.00	10.00	Gal.

### **Comments**

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**NBF**

## **Monitor Well Bailing Log**

### **NBF MW #2**

Lat: 33° 21.179  
Long. 103° 36.222  
Surf. Elev. 4,287 Ft.

As Drilled		As Measured						
Date:	10/1/97	Date:	1/23/04	9/29/04	10/21/05	1/11/07	11/3/07	Ft.
Top of Water	47	Ft.	Top of Water	37.40	36.50	36.00	36.50	36.50
Bottom of Bore	58	Ft.	Bottom of Bore	54.00	54.00	54.00	54.20	54.20
			Bore Volumn	2.68	2.82	2.90	2.85	2.85
			LPNL Top	54.00	54.00	54.00	54.00	54.00
			LPNL Bottom	58.50	58.50	58.50	58.50	58.50
			DPNL Top	NA	NA	NA	NA	NA
			DPNL Bottom	NA	NA	NA	NA	NA
			Min. Bailing Vol.	8.03	8.47	8.71	8.56	8.56
			Actual Bailing Vol.	20.00	10.00	20.00	10.00	10.00

### **Comments**

I-23 Free Product in Bore.

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**NBF**

## **Monitor Well Bailing Log**

**NBF MW #3**

Lat: 33° 21.189  
Long. 103° 36.205  
Surf. Elev. Ft.

As Drilled		As Measured							
Date:	10/01/97	Date:	1/23/04	9/29/04	10/21/05	1/11/07	11/3/07		
Top of Water	47.08	Ft.	Top of Water	36.20	36.50	35.60	36.30	36.50	Ft.
Bottom of Bore	58	Ft.	Bottom of Bore	54.20	54.30	54.40	54.30	54.30	Ft.
			Bore Column	2.90	2.87	3.03	2.90	2.87	Gal.
			LPNL Top	54.00	54.00	54.00	54.00	54.00	Ft.
			LPNL Bottom	58.50	58.50	58.50	58.50	58.50	Ft.
			DPNL Top	NA	NA	NA	NA	NA	Ft.
			DPNL Bottom	NA	NA	NA	NA	NA	Ft.
			Min. Bailing Vol.	8.71	8.61	9.10	8.71	8.61	Gal.
			Actual Bailing Vol.	15.00	10.00	15.00	10.00	10.00	Gal.

### **Comments**

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## Monitor Well Bailing Log

NBF MW #4

Lat: 33° 21.166  
Long. 103° 36.184'  
Surf. Elev. Ft.

As Drilled		As Measured					
Date:	3/15/1998	Date:	1/23/04	9/29/04	10/21/05	1/11/07	11/3/07
Top of Water		Top of Water	35.80	35.50	34.80	35.50	35.70
Bottom of Bore	50	Ft.	51.50	48.80	51.40	48.90	48.90
		Bore Volumn	2.53	2.15	2.68	2.16	2.13
		LPNL Top	54.00	54.00	54.00	54.00	54.00
		LPNL Bottom	58.50	58.50	58.50	58.50	58.50
		DPNL Top	NA	NA	NA	NA	NA
		DPNL Bottom	NA	NA	NA	NA	NA
		Min. Bailing Vol.	7.60	6.44	8.03	6.48	6.39
		Actual Bailing Vol.	15.00	10.00	15.00	10.00	10.00

### Comments

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## Monitor Well Bailing Log

NBF MW #5

Lat: 33° 21.155'  
Long. 103° 36.220'  
Surf. Elev. Ft.

As Drilled		As Measured				
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Date:	06/04/02	Date:	1/23/04	9/29/04	10/21/05	1/11/07	11/3/07	
Top of Water	<u>39</u>	Ft.	<b>35.30</b>	<b>35.90</b>	<b>35.60</b>	<b>35.30</b>	<b>35.50</b>	Ft.
Bottom of Bore	<u>55</u>	Ft.	<b>48.40</b>	<b>52.10</b>	<b>48.50</b>	<b>52.20</b>	<b>52.20</b>	Ft.
			<b>Bore Volume</b>	<b>2.11</b>	<b>2.61</b>	<b>2.08</b>	<b>2.73</b>	<b>2.69</b>
			<b>LPNL Top</b>	<b>54.00</b>	<b>54.00</b>	<b>54.00</b>	<b>54.00</b>	<b>54.00</b>
			<b>LPNL Bottom</b>	<b>58.50</b>	<b>58.50</b>	<b>58.50</b>	<b>58.50</b>	<b>58.50</b>
			<b>DPNL Top</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
			<b>DPNL Bottom</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
			<b>Min. Bailing Vol.</b>	<b>6.34</b>	<b>7.84</b>	<b>6.24</b>	<b>8.18</b>	<b>8.08</b>
			<b>Actual Bailing Vol.</b>	<b>20.00</b>	<b>10.00</b>	<b>15.00</b>	<b>10.00</b>	<b>10.00</b>

### Comments

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NBF

## **Monitor Well Bailing Log**

NBF MW #6

<b>Lat:</b>	<b>33° 21.175'</b>
<b>Long.</b>	<b>103° 36.153'</b>
<b>Surf. Elev.</b>	<b>Ft.</b>

As Drilled		As Measured						
Date:	06/16/03	Date:	1/23/04	9/29/04	10/21/05	1/11/07	11/3/07	
Top of Water	35.91 Ft.	Top of Water	35.80	35.90	35.40	35.90	36.10	Ft.
Bottom of Bore	55 Ft.	Bottom of Bore	50.30	50.10	50.20	50.10	50.10	Ft.
		Bore Volume	2.34	2.29	2.39	2.29	2.26	Gal.
		LPNL Top	54.00	54.00	54.00	54.00	54.00	Ft.
		LPNL Bottom	58.50	58.50	58.50	58.50	58.50	Ft.
		DPNL Top	NA	NA	NA	NA	NA	Ft.
		DPNL Bottom	NA	NA	NA	NA	NA	Ft.
		Min. Bailing Vol.	7.02	6.87	7.16	6.87	6.77	Gal.
		Actual Bailing Vol.	15.00	10.00	15.00	10.00	10.00	Gal.

### Comments

**Monitor Well # 1  
State NBF # 1  
Sampling Results**

## **Monitor Well # 2**

### **State NBF # 1**

## **Sampling Results**

**Monitor Well # 3**  
**State NBF # 1**  
**Sampling Results**

Lab. #	Sample Date	Benzene	Toluene	Ethylbenzene	m,p Xylene	o Xylene	Total Xylene	Total BTEX	Chlorides
12730	10/2/1997	0.836	0.111	0.090	0.224	0.089	0.313	1.350	
13176	12/3/1997	0.234	0.003	0.004	0.012	0.003	0.015	0.256	
14050	3/23/1998	1.029	0.086	0.084	0.173	0.047	0.220	1.419	
14670	6/25/1998	1.058	0.113	0.070	0.145	0.060	0.205	1.446	
15608	10/1/1998	1.046	0.065	0.037	0.100	0.039	0.139	1.287	
16609	1/6/1999	1.470	0.122	0.047	0.144	0.062	0.206	1.845	
17436	4/1/1999	3.150	0.164	0.078	0.219	0.098	0.317	3.709	
18603	7/15/1999	3.640	0.116	0.151	0.343	0.129	0.472	4.379	
20613	10/6/1999	3.220	0.776	0.179	0.576	0.265	0.841	5.016	
22772	1/8/2000	1.170	0.122	0.068	0.163	0.083	0.246	1.606	
25141	4/13/2000	3.050	0.226	0.153	0.473	0.203	0.676	4.105	
28437	7/20/2000	2.620	0.278	0.149	0.424	0.178	0.602	3.649	
31492	9/26/2000	2.120	0.092	0.099	0.143	0.063	0.206	2.517	
36156	1/5/2001	1.320	0.023	0.083	0.110	0.055	0.165	1.591	
38929	4/5/2001	1.550	0.005	0.101	0.104	0.039	0.143	1.799	
0101098-13	7/7/2001	1.650	0.026	0.097	0.159	0.069	0.228	2.001	
0101642-13	9/26/2001	1.390	0.001	0.058	0.041	0.005	0.046	1.495	
0202619-13	2/15/2002	0.484	0.032	0.043	0.080	0.038	0.118	0.677	
0203001-13	3/30/2002	1.230	0.092	0.075	0.160	0.064	0.224	1.621	
0203602-12	6/15/2002	0.388	0.005	0.006	0.039	0.020	0.059	0.458	
0204815-15	10/19/02	0.308	0.038	0.013	0.021	0.008	0.029	0.388	
0205349-14	01/04/03	0.293	0.023	0.044	0.034	0.017	0.051	0.411	
0306249-15	04/17/03	0.448	0.014	0.068	0.086	0.017	0.103	0.633	
0306733-31	06/20/03	0.747	0.120	0.097	0.207	0.069	0.276	1.240	
0307790-29	10/30/03	0.163	0.070	0.048	0.081	0.041	0.122	0.403	
4A26008-03	01/23/04	0.239	0.165	0.104	0.337	0.175	0.512	1.020	
4J04010-03	10/01/04	0.060	0.002	0.007	0.006	0.005	0.011	0.080	
5J24001-03	10/21/05	0.485	0.001	0.001	0.001	0.001	0.002	0.489	
7A15016-03	01/12/07	2.320	0.001	0.201	0.124	0.001	0.125	2.647	
H13641-1	11/3/2007	3.180	0.254	0.328			0.577	4.339	153 144

**Monitor Well # 4**  
**State NBF # 1**  
**Sampling Results**

Lab. #	Sample Date	Benzene	Toluene	Ethylbenzene	m,p Xylene	o Xylene	Total Xylene	Total BTEX	Chlorides
17266	04/01/99	0.002	0.003	0.001	0.002	0.001	0.003	0.009	
18610	07/14/99	0.030	0.024	0.027	0.006	0.019	0.025	0.106	
20614	10/06/99	0.066	0.059	0.016	0.057	0.031	0.088	0.229	
22788	01/08/00	0.140	0.158	0.030	0.119	0.064	0.183	0.511	
25142	04/13/00	0.092	0.108	0.024	0.090	0.048	0.138	0.362	
28455	07/20/00	0.177	0.230	0.036	0.128	0.075	0.203	0.646	
31493	09/26/00	0.053	0.022	0.008	0.019	0.010	0.029	0.112	
36146	01/05/01	0.044	0.016	0.006	0.012	0.009	0.021	0.087	
38930	04/05/01	0.001	0.003	0.009	0.003	0.009	0.012	0.025	
0101098-14	07/07/01	0.001	0.001	0.002	0.004	0.001	0.005	0.009	
0101098-14	09/26/01	0.027	0.002	0.003	0.008	0.003	0.011	0.043	
0202619-14	02/15/02	0.008	0.008	0.010	0.034	0.015	0.049	0.075	
0203001-14	03/30/02	0.009	0.012	0.029	0.073	0.034	0.107	0.157	
0203602-13	06/15/02	0.001	0.001	0.001	0.001	0.001	0.002	0.005	
0204815-12	10/19/02	0.028	0.024	0.030	0.117	0.053	0.170	0.252	
0205349-15	01/04/03	0.001	0.001	0.001	0.004	0.001	0.005	0.008	
0306249-16	04/17/03	0.001	0.001	0.001	0.004	0.002	0.006	0.009	
0306733-32	06/20/03	0.001	0.001	0.001	0.004	0.002	0.006	0.009	
0307790-30	10/30/03	0.003	0.005	0.005	0.024	0.012	0.036	0.049	
4A26008-04	01/23/04	0.001	0.001	0.001	0.001	0.001	0.002	0.005	
4J04010-04	10/01/04	0.001	0.001	0.001	0.001	0.001	0.002	0.005	
5J24001-04	10/21/05	0.014	0.001	0.001	0.012	0.001	0.013	0.029	
7A15016-04	01/12/07	0.001	0.001	0.001	0.001	0.001	0.002	0.005	
H13641-3	11/03/07	0.001	0.001	0.001			0.003	0.005	25.3 52

## **Monitor Well # 5 State NBF # 1 Sampling Results**

Lab. #	Sample Date	Benzene	Toluene	Ethylbenzene	m,p Xylene	<i>o</i> Xylene	Total Xylene	Total BTEX	Chlorides
0203602-14	06/15/02	0.001	0.001	0.001	0.001	0.001	0.002	0.005	
0204815-17	10/19/02	0.001	0.001	0.001	0.001	0.001	0.002	0.005	
0205349-16	01/04/03	0.001	0.001	0.002	0.005	0.002	0.007	0.011	
0306249-17	04/17/03	0.001	0.001	0.002	0.005	0.002	0.007	0.011	
0306733-33	06/20/03	0.001	0.001	0.001	0.003	0.002	0.005	0.008	
0307790-31	10/30/03	0.001	0.001	0.001	0.004	0.001	0.005	0.008	
4A26008-05	01/23/04	0.001	0.001	0.001	0.001	0.001	0.002	0.005	
4J04010-05	10/01/04	0.001	0.001	0.001	0.001	0.001	0.002	0.005	
5J24001-05	10/21/05	0.006	0.001	0.001	0.003	0.002	0.005	0.013	
7A15016-05	01/12/07	0.001	0.001	0.001	0.001	0.001	0.002	0.005	42.1
H13641-2	11/3/2007	0.001	0.001	0.001			0.002	0.005	52

# **Monitor Well # 6**

## **State NBF # 1**

### **Sampling Results**



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR  
WHOLE EARTH ENVIRONMENTAL  
ATTN: MICHAEL C. GRIFFIN  
2103 ARBOR COVE  
KATY, TX 77494  
FAX TO: (281) 394-2051

Receiving Date: 11/06/07  
Reporting Date: 11/07/07  
Project Owner: NOT GIVEN  
Project Name: NBF  
Project Location: NOT GIVEN

Sampling Date: 11/03/07  
Sample Type: GROUNDWATER  
Sample Condition: COOL & INTACT  
Sample Received By: SB  
Analyzed By: CK

LAB NUMBER	SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLEMES (mg/L)
H13641-1	NBF MW3	3.18	0.254	0.328	0.577
H13641-2	NBF MW5	<0.001	<0.001	<0.001	<0.003
H13641-3	NBF MW4	<0.001	<0.001	<0.001	0.003
H13641-4	NBF MW6	<0.001	<0.001	<0.001	<0.003
H13641-5	NBF MW2	1.05	0.740	0.535	2.67
H13641-6	NBF MW1	<0.001	<0.001	<0.001	<0.003
Quality Control		0.110	0.104	0.104	0.319
True Value QC		0.100	0.100	0.100	0.300
% Recovery		110	104	104	106
Relative Percent Difference		0.9	0.9	<0.1	2.9

METHOD: EPA SW-846 8021B

Eligis Kleene  
Chemist

11/07/07  
Date

H13641B WEE

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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



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ANALYTICAL RESULTS FOR  
WHOLE ENVIRONMENTAL, INC.  
ATTN: MICHAEL C. GRIFFIN  
2103 ARBOR COVE  
KATY, TX 77494  
FAX TO: (281) 394-2051

Receiving Date: 11/06/07  
Reporting Date: 11/07/07  
Project Number: NOT GIVEN  
Project Name: NBF  
Project Location: NOT GIVEN

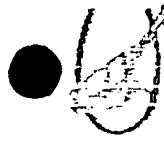
Sampling Date: 11/03/07  
Sample Type: GROUNDWATER  
Sample Condition: COOL & INTACT  
Sample Received By: SB  
Analyzed By: KS

LAB NUMBER	SAMPLE ID	Cl <sup>-</sup> (mg/L)
H13641-1	NBF MW3	144
H13641-2	NBF MW5	52.0
H13641-3	NBF MW4	4.00
H13641-4	NBF MW6	52.0
H13641-5	NBF MW2	116
H13641-6	NBF MW1	36.0
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods	4500-ClB
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Kristen Supatto  
Chemist

11/07/07  
Date



ARDINAL LABORATORIES

001 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603  
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

**PLAQUE NOTE:** Under and Overlays. Overlays or Underlays based on any claim arising whether based on contract or tort, shall be limited to the amount paid by the client for the services, materials, equipment, labor and overhead charges made in writing and received by Catena within 10 days after completion of the applicable work. In the event that Catena incurs additional costs due to circumstances including without limitation, business interruptions, loss of use of, or profits incurred by Client, its Subcontractors.

Received  regardless of whether such claim is based upon any of the above stated reasons or otherwise.

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Received By:

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Sam p

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I also/nor cannot accept verbal changes. Please fax written changes to 505-393-2476