

**1R - 0262**

**REPORTS**

**DATE:**

**2008**



## Whole Earth Environmental, Inc.

2103 Arbor Cove  
Katy, Tx. 77494  
281.394.2050  
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

### **Location**

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### **Site History**

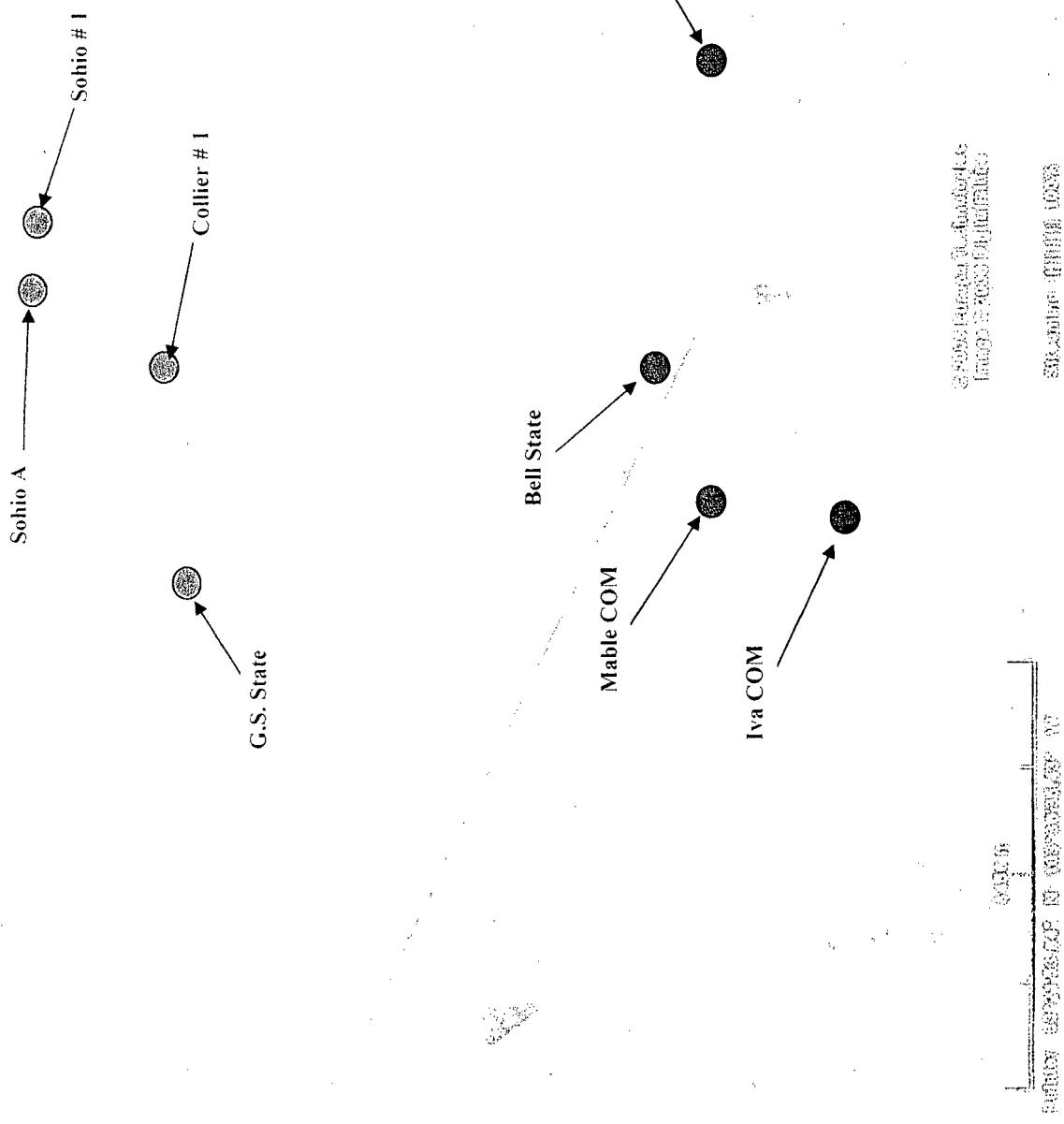
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### **Remediation Activities**

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.



WITTIER REPORT  
APRIL 2004

44-1-1 LINE SALT WIRE

Order No.	Amnd #	Applicant	Facility	Notes	Environmental Permit	Reviewer	County	Contact
260	0	TIPPERARY BELL STATE OIL & GAS CORP	"A"	wp-2/25/08-sold to Phoenix-Tipperary retained Envr Liability-Tipperary sold assists 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 COLLIER #1 OIL & GAS CORP		wp-2/25/08-sold to Phoenix-Tipperary retained Envr Liability-Tipperary sold assists 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	AP-32
262	0	TIPPERARY GULF OIL & GAS STATE #1 CORP		wp-2/25/08-sold to Phoenix-Tipperary retained Envr Liability-Tipperary sold assists 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 IVACOM #1 OIL & GAS CORP		wp-2/25/08-sold to Phoenix-Tipperary retained Envr Liability-Tipperay sold assists 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 #1 OIL & GAS CORP		wp-2/25/08-sold to Phoenix-Tipperary retained Envr Liability-Tipperay sold assists 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 NORTH BAGLEY FIELD PITS OIL & GAS CORP		wp-2/25/08-sold to Phoenix-Tipperary retained Envr Liability-Tipperay sold assists 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 SATELLITE OIL & GAS CORP	#4	wp-2/25/08-sold to Phoenix-Tipperary retained Envr Liability-Tipperay sold assists 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 SOHIO OIL & GAS STATE #1 CORP		wp-2/25/08-sold to Phoenix-Tipperary retained Envr Liability-Tipperay sold assists 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 SOHIO OIL & GAS STATE "A" CORP		wp-2/25/08-sold to Phoenix-Tipperary retained Envr Liability-Tipperay sold assists 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 STATE NBF OIL & GAS #1 CORP		wp-2/25/08-sold to Phoenix-Tipperary retained Envr Liability-Tipperay sold assists 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 STATE NBN OIL & GAS #1 CORP		wp-2/25/08-sold to Phoenix-Tipperary retained Envr Liability-Tipperay sold assists to Santos USA Corp. incl Envir Liability. WholeEarth acquired Burro Pipeline system previously owned by Tipperay.	C	Von Gonten Lea	Mike Griffin- 281-394-2050	
271	0	TIPPERARY VERA #1 OIL & GAS CORP		wp-2/25/08-sold to Phoenix-Tipperary retained Envr Liability-Tipperay sold assists to Santos USA Corp. incl Envir Liability. WholeEarth acquired Burro Pipeline system previously owned by Tipperay.	C	Von Gonten Lea	Mike Griffin- 281-394-2050	



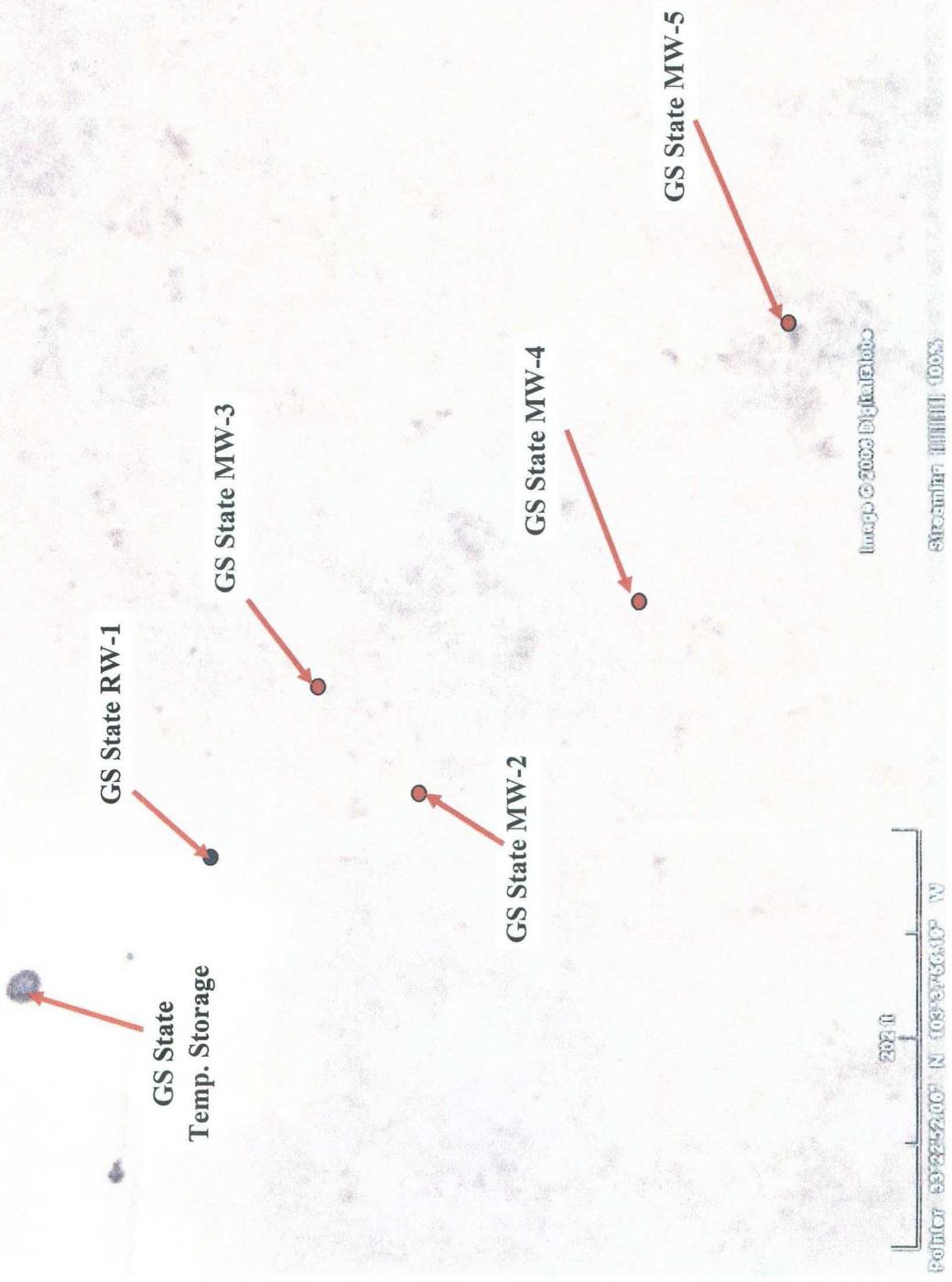
## **G.S. State # 1**

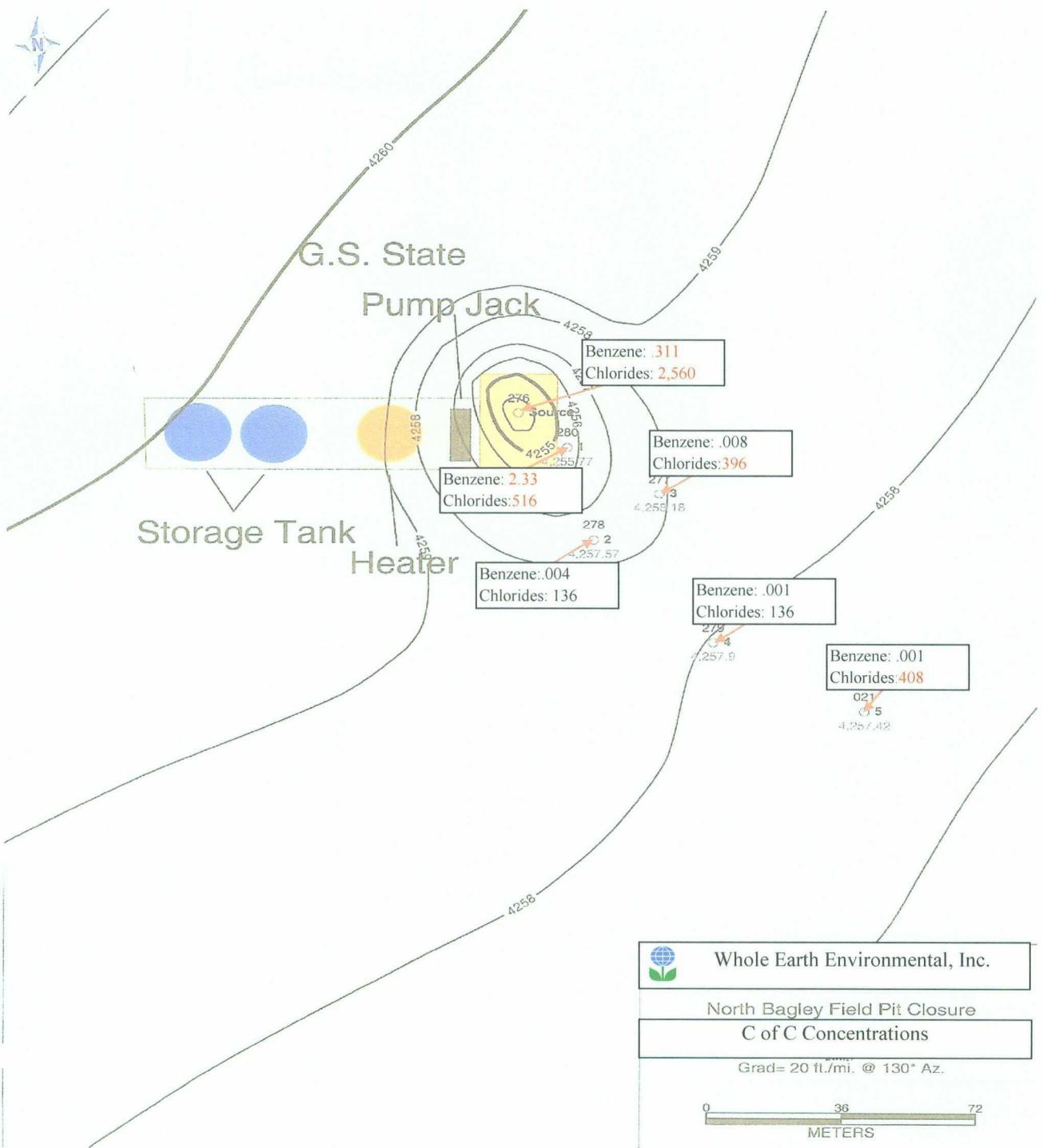
The GS site consists of one recovery well and five monitor wells. Only two wells show BTEX concentrations in excess of NMWQCC standards and they trending downward quite quickly.

Monitor well no. 1 is now consistently showing 3-4" of free product within the bailer along with a black sulfide though the BTEX concentrations within the well bore continue to trend downward. Chloride concentrations also appear to be trending downward with only monitor well no.3 being slightly above standards.

We plan to convert the windmill to a downhole electrical pump system by the beginning of the third quarter of this year in order to increase the pumped fluid volumes and shorten the length of time to achieve closure.

## G.S. State Monitor Well Locations



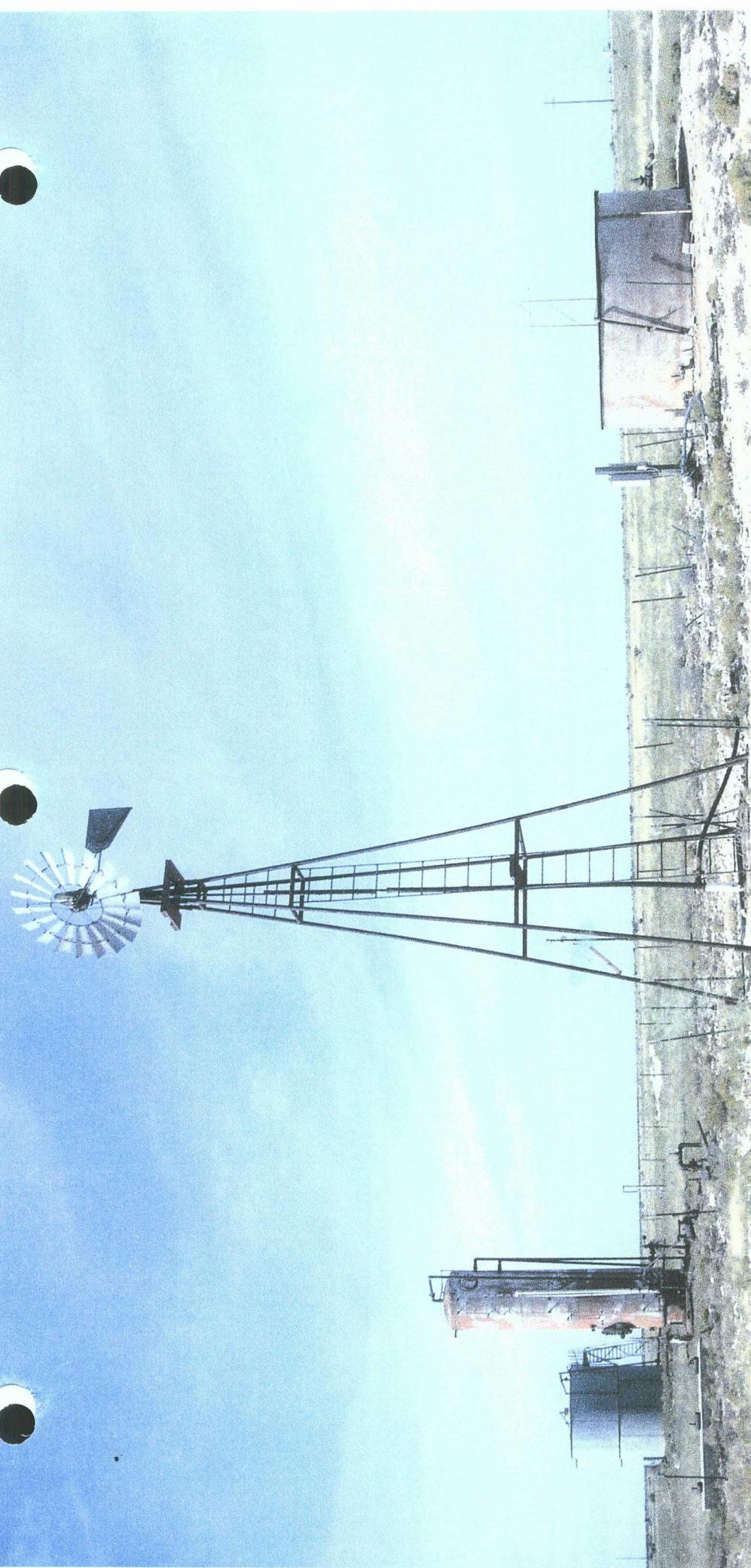




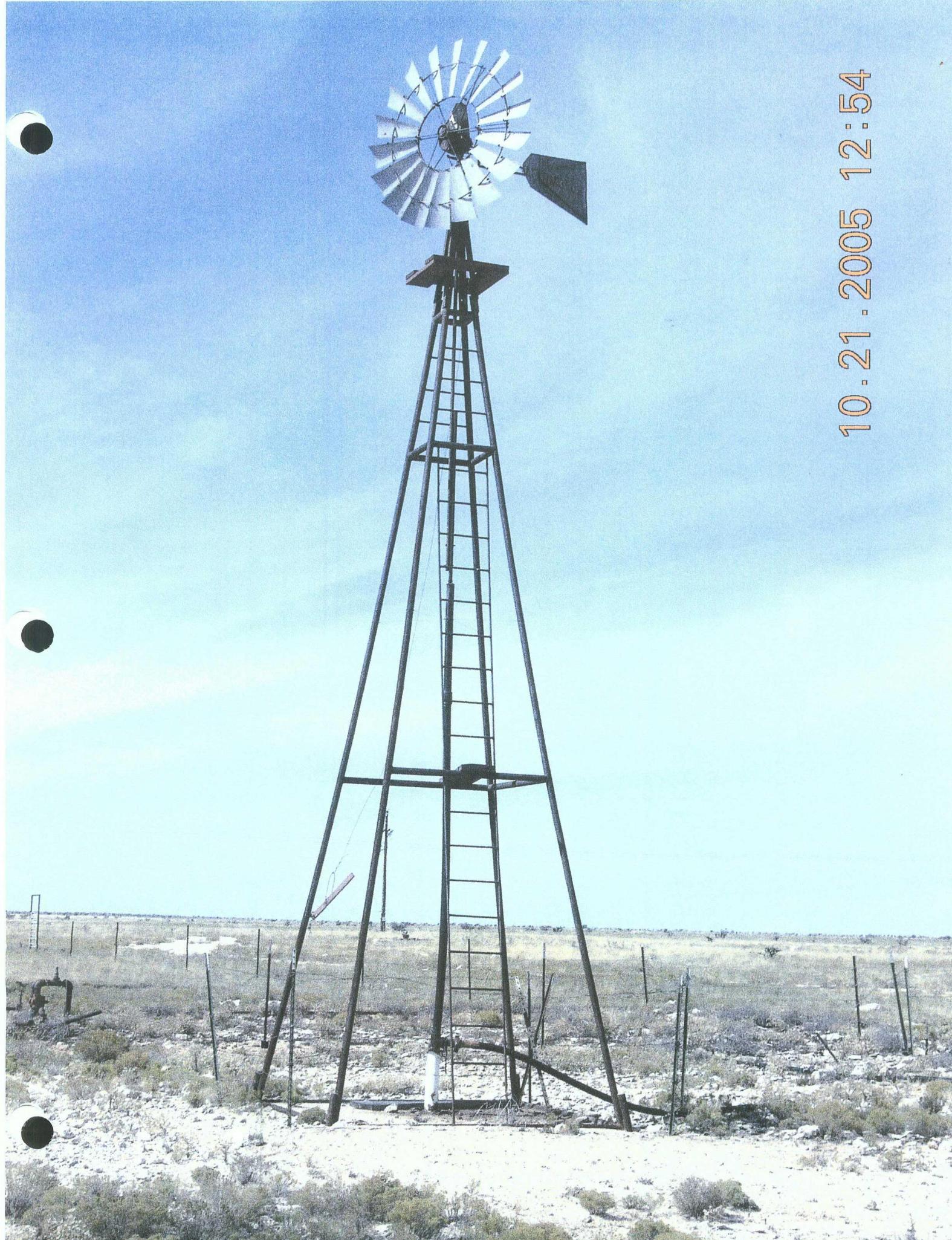
**Burro Pipeline  
GS State RW-1  
Section 8G T-11S R-33E  
Lea County, NM**

Year	Estimated Groundwater Recovery (bbls.)	Estimated Product Recovery (Bbls.)
1997	80	0.5
1998	500	2.5
1999	500	2.5
2000	500	2.5
2001	500	2.5
2002	500	2.5
2003	500	2.5
2004	500	2.5
2005	500	2.5
2006	500	2.5
2007	500	2.5

10.21.2005 12:53



10.21.2005 12:54



10.21.2005 12:55



10.21.2005 12:54





GS

## Monitor Well Bailing Log

### GS Source

Lat: 33° 22.886'  
Long. 103° 37.894'  
Surf. Elev. 4307 Ft.

As Drilled		As Measured					
Date:	09/26/97	Date:	1/23/04	10/1/04	10/21/05	1/12/07	11/5/07
Top of Water	<u>48.76</u> Ft.	Top of Water	NA	NA	NA	NA	NA
Bottom of Bore	<u>64</u> Ft.	Bottom of Bore	NA	NA	NA	NA	NA
		LPNL Top	NA	NA	NA	NA	NA
		LPNL Bottom	NA	NA	NA	NA	NA
		DPNL Top	NA	NA	NA	NA	NA
		DPNL Bottom	NA	NA	NA	NA	NA
		Min. Bailing Vol.	NA	NA	NA	NA	NA
		Actual Bailing Vol.	NA	NA	NA	NA	NA

### Comments

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GS

## Monitor Well Bailing Log

GS MW #1

Lat: 33° 22.883'  
Long. 103° 37.979'  
Surf. Elev. Ft.

As Drilled		As Measured					
Date:	08/29/97	Date:	12/28/02	10/1/04	10/21/05	1/12/07	11/4/07
Top of Water		Top of Water	47.50	47.60	44.50	47.00	47.10
Bottom of Bore	58	Ft.	Bottom of Bore	52.30	52.10	52.20	52.10
			Bore Volume	0.77	0.73	1.24	0.82
			LPNL Top	47.50	47.50	47.50	47.50
			LPNL Bottom	50.20	50.20	50.20	50.20
			DPNL Top	NA	NA	NA	NA
			DPNL Bottom	NA	NA	NA	NA
			Min. Bailing Vol.	2.32	2.18	3.73	2.47
			Actual Bailing Vol.	10.00	10.00	15.00	10.00

### Comments

1/23 Free Product in bailing tube. **Bail as long as possible.**

1-12-07 100% Free Product in Bailing Tube. After Pumping 20 Gallons Went to 10% Free Product



GS

## Monitor Well Bailing Log

GS MW #2

Lat: N33° 22.87242'  
Long. W103° 37.86456'  
Surf. Elev. 4302.77 Ft.

As Drilled		As Measured					
Date:	09/26/97	Date:	1/23/04	10/1/04	10/21/05	1/12/07	11/5/07
Top of Water	48	Ft.	45.00	45.20	44.70	45.00	45.10
Bottom of Bore	59	Ft.	55.70	55.40	55.60	55.40	55.40
Bore Volume			1.73	1.65	1.76	1.68	1.66
LPNL Top			NA	NA	NA	NA	NA
LPNL Bottom			NA	NA	NA	NA	NA
DPNL Top			NA	NA	NA	NA	NA
DPNL Bottom			NA	NA	NA	NA	NA
Min. Bailing Vol.			5.18	4.94	5.27	5.03	4.98
Actual Bailing Vol.			15.00	10.00	15.00	10.00	10.00

### Comments

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GS

## Monitor Well Bailing Log

GS MW #3

Lat: N33° 22.87242'  
Long: W103° 37.96106'  
Surf. Elev. 4303.08 Ft.

As Drilled		As Measured					
Date:	08/29/97	Date:	1/23/04	10/1/04	10/21/05	1/12/07	11/5/07
Top of Water	47.5 Ft.	Top of Water	45.00	45.10	44.90	45.00	45.10
Bottom of Bore	59 Ft.	Bottom of Bore	58.00	57.90	57.90	58.10	58.10
		Bore Volume	2.10	2.06	2.10	2.11	2.10
		LPNL Top	NA	NA	NA	NA	NA
		LPNL Bottom	NA	NA	NA	NA	NA
		DPNL Top	NA	NA	NA	NA	NA
		DPNL Bottom	NA	NA	NA	NA	NA
		Min. Bailing Vol.	6.29	6.19	6.29	6.34	6.29
		Actual Bailing Vol.	12.00	10.00	15.00	10.00	10.00

### Comments

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GS

## Monitor Well Bailing Log

GS MW #4

Lat: N33° 22.84678'  
Long. W103° 37.95211'  
Surf. Elev. 4303.2 Ft.

As Drilled		As Measured					
Date:	03/16/99	Date:	1/23/04	10/1/04	10/21/05	1/12/07	11/4/07
Top of Water	49.06	Ft.	45.30	45.30	45.20	45.20	45.30
Bottom of Bore	57	Ft.	56.50	56.30	56.60	56.50	56.50
Bore Volume			1.81	1.77	1.84	1.82	1.81
LPNL Top			NA	NA	NA	NA	NA
LPNL Bottom			NA	NA	NA	NA	NA
DPNL Top			NA	NA	NA	NA	NA
DPNL Bottom			NA	NA	NA	NA	NA
Min. Bailing Vol.			5.42	5.32	5.52	5.47	5.42
Actual Bailing Vol.			10.00	10.00	15.00	10.00	10.00

### Comments

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GS

## Monitor Well Bailing Log

GS MW #5

Lat: N33° 22.83475'  
Long. W103° 37.92597'  
Surf. Elev. 4303.2 Ft.

As Drilled		As Measured					
Date:	06/18/02	Date:	1/23/04	10/1/04	10/21/05	1/12/07	11/5/07
Top of Water	44.44 Ft.	Top of Water	45.00	45.00	44.90	44.80	44.90
Bottom of Bore	55 Ft.	Bottom of Bore	54.50	54.50	54.50	54.70	54.70
		Bore Volume	1.53	1.53	1.55	1.60	1.58
		LPNL Top	NA	NA	NA	NA	NA
		LPNL Bottom	NA	NA	NA	NA	NA
		DPNL Top	NA	NA	NA	NA	NA
		DPNL Bottom	NA	NA	NA	NA	NA
		Min. Bailing Vol.	4.60	4.60	4.65	4.79	4.74
		Actual Bailing Vol.	10.00	10.00	15.00	5.00	10.00

### Comments

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**Source Well**  
**G.S. State # 1**

Lab. #	Sample Date	Benzene	Toluene	Ethylbenzene	m,p Xylene	o Xylene	Total Xylene	Total BTEX	Chlorides
22782	01/08/00	0.804	0.348	0.139	0.925	0.464	1.389	2.680	
25146	04/14/00	0.763	0.184	0.068	0.434	0.189	0.623	1.638	
28461	07/20/00	0.481	0.153	0.083	0.378	0.188	0.566	1.283	
31496	09/26/00	0.415	0.136	0.070	0.391	0.185	0.576	1.197	
36160	01/05/01	0.805	0.292	0.136	0.692	0.414	1.106	2.339	
38941	04/05/01	0.417	0.148	0.091	0.582	0.254	0.836	1.492	
0101098-25	07/07/01	0.318	0.180	0.133	0.722	0.368	1.090	1.721	
0101642-24	09/26/01	0.406	0.038	0.014	0.083	0.040	0.123	0.581	
0202619-25	02/15/02	0.422	0.229	0.155	0.892	0.402	1.294	2.100	
0203001-25	03/30/02	0.386	0.138	0.230	0.942	0.433	1.375	2.129	
0203602-26	06/15/02	0.262	0.082	0.116	0.576	0.253	0.829	1.289	
0204815-29	10/29/02	0.621	0.331	0.441	1.750	0.852	2.602	3.995	
0205349-29	01/04/03	6.360	2.260	0.126	0.537	0.335	0.872	9.618	
0306249-30	04/17/03	0.043	0.152	0.068	0.411	0.195	0.606	0.869	
0306756-01	06/22/03	0.487	0.206	0.172	0.734	0.346	1.080	1.945	
0307790-14	10/30/03	0.227	0.134	0.098	0.636	0.290	0.926	1.385	
4A26009-01	01/23/04	0.190	0.143	0.070	0.621	0.228	0.849	1.252	
5J24005-06	10/21/05	0.413	0.306	0.120	1.110	0.413	1.523	2.362	
7A15015-01	01/12/07	1.310	0.825	0.267	1.530	0.620	2.150	4.552	
H13644-1	11/05/07	0.311	0.103	0.103			1.020	1.537	1780 2560

**Monitor Well # 1**  
**G.S. State # 1**

Lab. #	Sample Date	Benzene	Toluene	Ethylbenzene	m,p Xylene	o Xylene	Total Xylene	Total BTEX
12478	09/06/97	0.092	0.010	0.015	0.082	0.002	0.084	0.285
20625	10/06/99	0.008	0.007	0.006	0.024	0.007	0.031	0.052
22764	01/08/00	1.030	0.336	1.240	8.030	2.090	10.120	12.726
25147	04/14/00	0.871	0.162	0.246	0.932	0.261	1.193	2.472
28462	07/20/00	1.090	0.025	1.370	10.500	2.280	12.780	15.265
31518	09/26/00	0.820	0.066	0.354	1.480	0.365	1.845	3.085
36169	01/05/01	1.070	1.710	0.945	5.660	1.580	7.240	10.965
38942	04/05/01	0.394	0.022	0.180	0.767	0.200	0.967	1.563
0101098-26	07/07/01	0.350	0.026	0.010	0.483	0.150	0.633	1.019
0101642-26	09/26/01	0.553	0.078	0.267	1.120	0.309	1.429	2.327
0202619-26	02/15/02	1.200	0.612	0.968	4.620	1.090	5.710	8.490
0203001-26	03/30/02	0.031	0.072	0.051	0.234	0.071	0.304	0.459
0203602-27	06/15/02	1.660	3.020	2.690	16.800	3.160	19.960	27.330
0204815-30	10/30/02	3.650	4.160	2.790	23.900	3.680	27.580	38.180
0205349-29	01/04/03	3.950	5.780	6.930	43.700	5.680	49.380	66.040
0306249-30	04/17/03	0.819	0.668	0.847	4.760	0.903	5.663	7.997
0306756-01	06/22/03	1.030	0.431	0.771	3.890	0.554	4.444	6.676
0307790-14	10/30/03	66.900	37.400	43.000	127.000	24.900	151.900	299.200
4A26009-01	01/23/04	3.190	6.440	15.200	89.000	24.700	113.700	138.530
4J04009-06	10/01/04	0.190	0.143	0.070	0.621	0.288	0.909	1.312
5J24005-06	10/21/05	1.580	1.450	1.410	10.000	2.240	12.240	16.680
7A15015-01	01/12/07	0.207	0.115	0.267	6.850	1.730	8.580	9.169

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**Monitor Well # 2**  
**G.S. State # 1**  
**Sampling Results**

Lab. #	Sample Date	Benzene	Toluene	Ethylbenzene	m,p Xylene	o Xylene	Total Xylene	Total BTEX	Chlorides
12722	10/02/97	0.138	0.005	0.001	0.002	0.002	0.004	0.152	
13134	12/03/97	0.015	0.005	0.010	0.142	0.028	0.170	0.200	
14056	03/23/98	0.050	0.017	0.016	0.086	0.026	0.112	0.195	
14676	06/25/98	0.183	0.012	0.062	0.077	0.010	0.087	0.344	
15611	10/01/98	0.049	0.011	0.026	0.040	0.018	0.058	0.144	
16592	01/06/99	0.039	0.01	0.020	0.048	0.017	0.065	0.134	
18611	07/14/99	0.109	0.017	0.085	0.144	0.041	0.185	0.396	
20623	10/06/99	0.070	0.015	0.047	0.032	0.020	0.052	0.184	
22783	01/08/00	0.204	0.058	0.108	0.294	0.083	0.377	0.747	
25149	04/14/00	0.413	0.057	0.017	0.082	0.048	0.130	0.617	
28451	07/20/00	0.275	0.122	0.088	0.292	0.103	0.395	0.880	
31498	09/26/00	0.171	0.022	0.062	0.051	0.099	0.150	0.405	
36158	01/05/01	0.140	0.036	0.057	0.092	0.085	0.177	0.410	
38944	04/05/01	0.085	0.038	0.060	0.076	0.099	0.175	0.358	
0101098-28	07/07/01	0.062	0.02	0.046	0.047	0.069	0.116	0.244	
0101642-28	09/26/01	0.041	0.019	0.038	0.032	0.042	0.074	0.172	
0202619-28	02/15/02	0.124	0.015	0.140	0.050	0.124	0.174	0.453	
0203001-28	03/30/02	0.013	0.06	0.007	0.020	0.012	0.032	0.112	
0203602-29	06/15/02	0.007	0.048	0.004	0.011	0.007	0.018	0.077	
0204814-07	10/30/02	0.006	0.034	0.008	0.009	0.004	0.013	0.061	
0205349-31	01/04/03	0.006	0.004	0.046	0.015	0.006	0.021	0.077	
0306249-32	04/17/03	0.002	0.001	0.001	0.003	0.001	0.004	0.008	
0306733-36	06/22/03	0.012	0.041	0.038	0.051	0.026	0.077	0.168	
0307790-16	10/30/03	0.007	0.013	0.045	0.047	0.013	0.060	0.125	
4A26009-03	01/23/04	0.001	0.002	0.009	0.003	0.002	0.005	0.017	
4J04009-02	10/01/04	0.001	0.001	0.001	0.001	0.001	0.002	0.005	
5J24005-02	10/21/05	0.003	0.001	0.001	0.001	0.001	0.002	0.007	
7A15015-02	01/12/07	0.207	0.015	0.199	0.204	0.172	0.376	0.797	
H13644-4	11/05/07	0.004	0.003	0.041			0.049	0.097	200 680

**Monitor Well # 3**  
**G.S. State # 1**  
**Sampling Results**

Lab. #	Sample Date	Benzene	Toluene	Ethylbenzene	m,p Xylene	o Xylene	Total Xylene	Total BTEX	Chlorides
12721	10/02/97	0.026	0.008	0.005	0.090	0.034	0.124	0.287	
13185	12/03/97	0.166	0.013	0.059	0.705	0.01	0.715	0.953	
14055	03/23/98	0.233	0.019	0.067	0.221	0.014	0.235	0.554	
14675	06/25/98	0.047	0.009	0.018	0.086	0.038	0.124	0.198	
15603	10/01/98	0.128	0.005	0.069	0.030	0.006	0.036	0.238	
16591	01/06/99	0.133	0.010	0.054	0.056	0.006	0.062	0.259	
17445	04/01/99	0.124	0.008	0.042	0.012	0.007	0.019	0.193	
18597	07/14/99	0.140	0.010	0.044	0.062	0.016	0.078	0.272	
20603	10/06/99	0.116	0.016	0.053	0.027	0.015	0.042	0.227	
22785	01/08/00	0.069	0.041	0.091	0.131	0.046	0.177	0.378	
25148	04/14/00	0.085	0.009	0.054	0.015	0.006	0.021	0.169	
28450	07/20/00	0.084	0.122	0.067	0.236	0.076	0.312	0.585	
31497	09/26/00	0.017	0.011	0.014	0.026	0.013	0.039	0.081	
36150	01/05/01	0.019	0.010	0.019	0.027	0.013	0.040	0.088	
38943	04/05/01	0.014	0.011	0.012	0.021	0.009	0.030	0.067	
0101098-27	07/07/01	0.009	0.002	0.007	0.004	0.002	0.006	0.024	
0101642-27	09/26/01	0.016	0.009	0.012	0.015	0.006	0.021	0.058	
0202619-27	02/15/02	0.007	0.006	0.051	0.042	0.012	0.054	0.118	
0203001-27	03/30/02	0.012	0.025	0.013	0.047	0.012	0.059	0.109	
0203602-28	06/15/02	0.001	0.001	0.001	0.001	0.001	0.002	0.005	
0204814-06	10/19/02	0.003	0.029	0.006	0.007	0.003	0.010	0.048	
0205349-32	01/04/03	0.003	0.003	0.036	0.013	0.005	0.018	0.060	
0306249-33	04/17/03	0.002	0.002	0.017	0.004	0.001	0.005	0.026	
0306733-37	06/22/03	0.032	0.043	0.035	0.055	0.027	0.082	0.192	
0307790-17	10/30/03	0.004	0.003	0.002	0.014	0.006	0.020	0.029	
4A26009-04	01/23/04	0.003	0.004	0.014	0.006	0.003	0.009	0.030	
4J04009-03	10/01/04	0.001	0.001	0.001	0.001	0.001	0.002	0.005	
5J24005-03	10/21/05	0.001	0.001	0.001	0.001	0.001	0.002	0.005	
7A15015-04	01/12/07	0.001	0.001	0.001	0.001	0.001	0.002	0.005	
H13644-2	11/05/07	0.008	0.007	0.005			0.023	0.043	327 396

**Monitor Well # 4**

**G.S. State # 1**

**Sampling Results**

Lab. #	Sample Date	Benzene	Toluene	Ethylbenzene	m,p Xylene	o Xylene	Total Xylene	Total BTEX	Chlorides
17269	03/17/99	0.012	0.012	0.004	0.021	0.041	0.062	0.090	
17447	04/01/99	0.004	0.001	0.001	0.035	0.001	0.036	0.042	
18612	07/14/99	0.014	0.007	0.019	0.125	0.062	0.187	0.227	
20624	10/06/99	0.022	0.017	0.006	0.035	0.038	0.073	0.118	
22771	01/08/00	0.032	0.034	0.024	0.104	0.043	0.147	0.237	
25150	04/14/00	0.006	0.008	0.003	0.016	0.018	0.034	0.051	
28458	07/20/00	0.045	0.080	0.027	0.121	0.053	0.174	0.326	
31499	09/26/00	0.016	0.008	0.006	0.020	0.011	0.031	0.061	
36159	01/05/01	0.019	0.010	0.010	0.034	0.014	0.048	0.087	
38945	04/05/01	0.009	0.007	0.007	0.022	0.011	0.033	0.056	
0101098-29	07/07/01	0.005	0.002	0.004	0.005	0.004	0.009	0.020	
0101642-29	09/26/01	0.016	0.007	0.007	0.015	0.007	0.022	0.052	
0202619-29	02/15/02	0.004	0.010	0.007	0.027	0.010	0.037	0.058	
0203001-29	03/30/02	0.003	0.005	0.008	0.024	0.009	0.033	0.049	
0203602-30	06/15/02	0.002	0.002	0.004	0.013	0.005	0.018	0.026	
0204814-08	10/19/02	0.007	0.004	0.011	0.010	0.006	0.016	0.038	
0205349-33	01/04/03	0.003	0.004	0.003	0.013	0.006	0.019	0.029	
0306249-34	04/17/03	0.001	0.001	0.002	0.006	0.003	0.009	0.013	
0306733-38	06/22/03	0.022	0.074	0.021	0.076	0.041	0.117	0.234	
0307790-18	10/30/03	0.012	0.021	0.005	0.016	0.008	0.024	0.062	
4A26009-05	01/23/04	0.003	0.004	0.014	0.006	0.003	0.009	0.030	
4J04009-04	10/01/04	0.001	0.001	0.001	0.001	0.001	0.002	0.005	
5J24005-04	10/21/05	0.001	0.001	0.001	0.001	0.001	0.002	0.005	
7A15015-04	01/12/07	0.001	0.001	0.001	0.001	0.001	0.002	0.005	
H13644-3	11/05/07	0.001	0.001	0.001			0.002	<.006	110 136

**Monitor Well # 5**  
**G.S. State # 1**  
**Sampling Results**

Lab. #	Sample Date	Benzene	Toluene	Ethylbenzene	m,p Xylene	o Xylene	Total Xylene	Total BTEX	Chlorides
0203719-01	06/23/02	0.002	0.001	0.001	0.001	0.001	0.002	0.006	
0205349-34	01/04/03	0.006	0.007	0.004	0.018	0.008	0.026	0.043	
0306249-35	04/17/03	0.023	0.001	0.001	0.001	0.001	0.002	0.027	
0306733-43	06/22/03	0.006	0.068	0.019	0.066	0.035	0.101	0.194	
0307790-19	10/30/03	0.005	0.008	0.002	0.007	0.003	0.010	0.025	
4A26009-06	01/23/04	0.001	0.009	0.002	0.008	0.005	0.013	0.025	
4J04009-05	10/01/04	0.001	0.001	0.001	0.001	0.001	0.002	0.005	
5J24005-05	10/21/05	0.001	0.001	0.001	0.001	0.001	0.002	0.005	
7A15015-05	01/12/07	0.001	0.001	0.001	0.001	0.001	0.002	0.005	
H13644-5	11/5/2007	0.001	0.001	0.001			0.000	0.003	248 408



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: GS STATE  
Project Location: NOT GIVEN

Sampling Date: 11/05/07  
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 XYLENES (mg/L)
H13644-1	GS SOURCE	0.311	0.103	0.103	1.02
H13644-2	GS MW3	0.008	0.007	0.005	0.023
H13644-3	GS MW4	<0.001	<0.001	<0.001	<0.003
H13644-4	GS MW2	0.004	0.003	0.041	0.049
H13644-5	GS MW5	<0.001	<0.001	<0.001	<0.003
H13644-6	GS MW1	2.33	1.51	3.64	31.8
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

Mike S. Kline  
Chemist

11/08/07  
Date

H13644B 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.



**ARDINAL**  
LABORATORIES

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

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: GS STATE  
Project Location: NOT GIVEN

Sampling Date: 11/05/07  
Sample Type: GROUNDWATER  
Sample Condition: COOL & INTACT  
Sample Received By: SB  
Analyzed By: KS

## METHOD: Standard Methods

4500-CFB

Kristen Sprecher  
Chemist

11/03/07

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