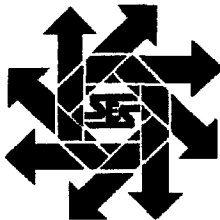


1R - 280

REPORTS

DATE:

1/2003 - MW REPORT



IR-280

P.O. Box 1613
703 E. Clinton Suite 102
Hobbs, New Mexico 88240
505/397-0510
Fax 505/393-4388
www.sesi-nm.com

Safety & Environmental Solutions, Inc.

January 13, 2003

Mr. Bill Olsen
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RECEIVED

JAN 16 2003

ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION

Dear Bill:

This letter is written on behalf of Chevron/Texaco regarding the Dynegy – Monument Monitor Well Project. I have enclosed the latest sampling report dated December 9, 2002 for your inspection. No appreciable change has been noted in the analysis.

The next annual sampling will only include analysis for Chlorides and Benzene, Toluene, Ethyl Benzene, and Total Xylenes (BTEX). These parameters will enable Chevron to adequately monitor any movement of contaminants in the groundwater under the subject site.

If you have any questions, or I can be of further assistance please contact me at (505) 397-0510.

Sincerely,

Bob Allen CHMM, REM, CET, CES
President

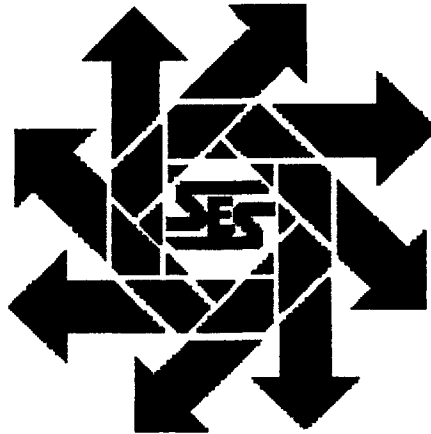
***Chevron/Texaco
Dynegy – Monument Site
Monitor Well Report
Section 14, R36E, T20S
Lea County, New Mexico***

December 9, 2002

RECEIVED

JAN 16 2003

ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION



Prepared for:

***Chevron Texaco
P.O. Box 1949
Eunice, New Mexico 88231***

By:

***Safety & Environmental Solutions, Inc.
703 E. Clinton, Suite 102
Hobbs, New Mexico 88240
(505) 397-0510***

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I. Background

The subject property is located in Lea County approximately 5 miles southwest of Monument, New Mexico (See Vicinity Map). Mr. James Cooper currently owns the surface rights of the property and the mineral rights are under lease to Chevron. The property has been the site of condensate/liquid product leaks from a pipeline previously operated by Warren Petroleum as well as an abandoned burn pit.

Safety & Environmental Solutions, Inc. (SESI) performed sampling and data collection on the six (6) ground water monitor wells at the site. Well #4 is shallow compared to other wells and was not sampled during some visits due to a lack of sufficient groundwater. The casing size in all wells is 4".

II. Work Performed

A field technician with SESI arrived at the site on December 9, 2002. The technician measured the depth to the top of the water table and the total depth of each well. The depth to the top of ground water was measured using a Solinst water level indicator. These measurements were used to construct a potentiometric map that shows groundwater flow direction. Monitor Well 4 has water in the bottom well cap only and was not used in constructing the map. The total depth of each well was measured in order to compute the proper casing volumes. A data summary is shown below:

Well ID	Date	Top of Casing Elevation (ft.)	Depth to Water (ft.)	Groundwater Potentiometric Elevation (ft.)	Total Well Depth (ft.)	Free Product Thickness (ft.)
MW – 1	12/09/02	3565.24	38.72	3526.52	49.00	0.00
MW – 2	12/09/02	3564.21	37.81	3526.40	45.75	0.00
MW – 3	12/09/02	3564.06	37.61	3526.45	46.93	0.00
MW – 4	12/09/02	3564.62	37.65	3526.97	37.63	0.00
MW – 5	12/09/02	3564.58	37.90	3526.68	44.90	0.00
MW – 6	12/09/02	3564.58	38.20	3526.38	43.25	0.00

Ground water samples were taken from each well after a submersible pump was used to purge the wells. Three to five casing volumes of water were removed from each well (with the exception of MW-4) until pH and temperature of the water were stabilized. The development water was stored in a 400-gallon drum under the custody of Safety & Environmental Solutions, Inc. for disposal upon completion of analytical testing. The samples were obtained and placed in appropriate containers, preserved and transported under chain of custody to Cardinal Laboratories of Hobbs, New Mexico for analysis. (See Analytical Data)

III. Analytical Results

The analysis of the groundwater samples performed by Cardinal Laboratories is summarized in the tables below. Cumulative well water quality data are presented in Appendix A.

Contaminant	WQCC Standard (mg/L)	MW #1 (mg/L)	MW #2 (mg/L)	MW #3 (mg/L)	MW #4 (mg/L)	MW #5 (mg/L)	MW #6 (mg/L)
Chloride	250	3,199	840	820	NS	2,079	880
Fluoride	1.6	0.42	0.25	0.45	NS	0.44	0.43
Lead	0.05	<0.05	<0.05	<0.05	NS	<0.05	<0.05
Manganese	0.2	<0.2	<0.2	<0.2	NS	0.479	<0.2
Silver	0.05	0.050	<0.05	0.051	NS	0.064	0.060
Sulfate	600	2,846	330	760	NS	2,556	531
TDS	1,000	8,000	2,810	3,450	NS	7,520	2,430
pH	> 6 & <9	7.02	7.20	7.00	NS	6.95	7.21
TPH	N/A	43.6	1.04	39.7	NS	46.7	2.97
Benzene	0.005	<0.002	<0.002	<0.002	NS	<0.002	<0.002
Toluene	0.750	<0.002	<0.002	<0.002	NS	<0.002	<0.002
Ethyl Benzene	0.750	<0.002	<0.002	<0.002	NS	<0.002	<0.002
Total Xylenes	0.620	<0.006	<0.006	<0.006	NS	<0.006	<0.006

*Red exceeds WQCC Standards

*NS- Not Sampled

SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	CO ₃ (mg/L)	HCO ₃ (mg/L)	Conduc t-ivity (uS/cm)	T-Alka-linity (mg/L)
MW - 1	2832	354	173	12.6	0	366	2,029	300
MW - 2	920	81	78	3.37	0	1,220	1,833	1,000
MW - 3	885	98	134	5.77	0	952	1,676	780
MW - 4	NS	NS	NS	NS	NS	NS	NS	NS
MW - 5	2,198	247	176	20.3	0	677	5,649	555
MW - 6	696	105	85	2.67	0	409	1,646	335

*NS- Not Sampled

IV. Figures and Appendices

Figures:

Figure 1. Vicinity Map

Figure 2. Potentiometric Map

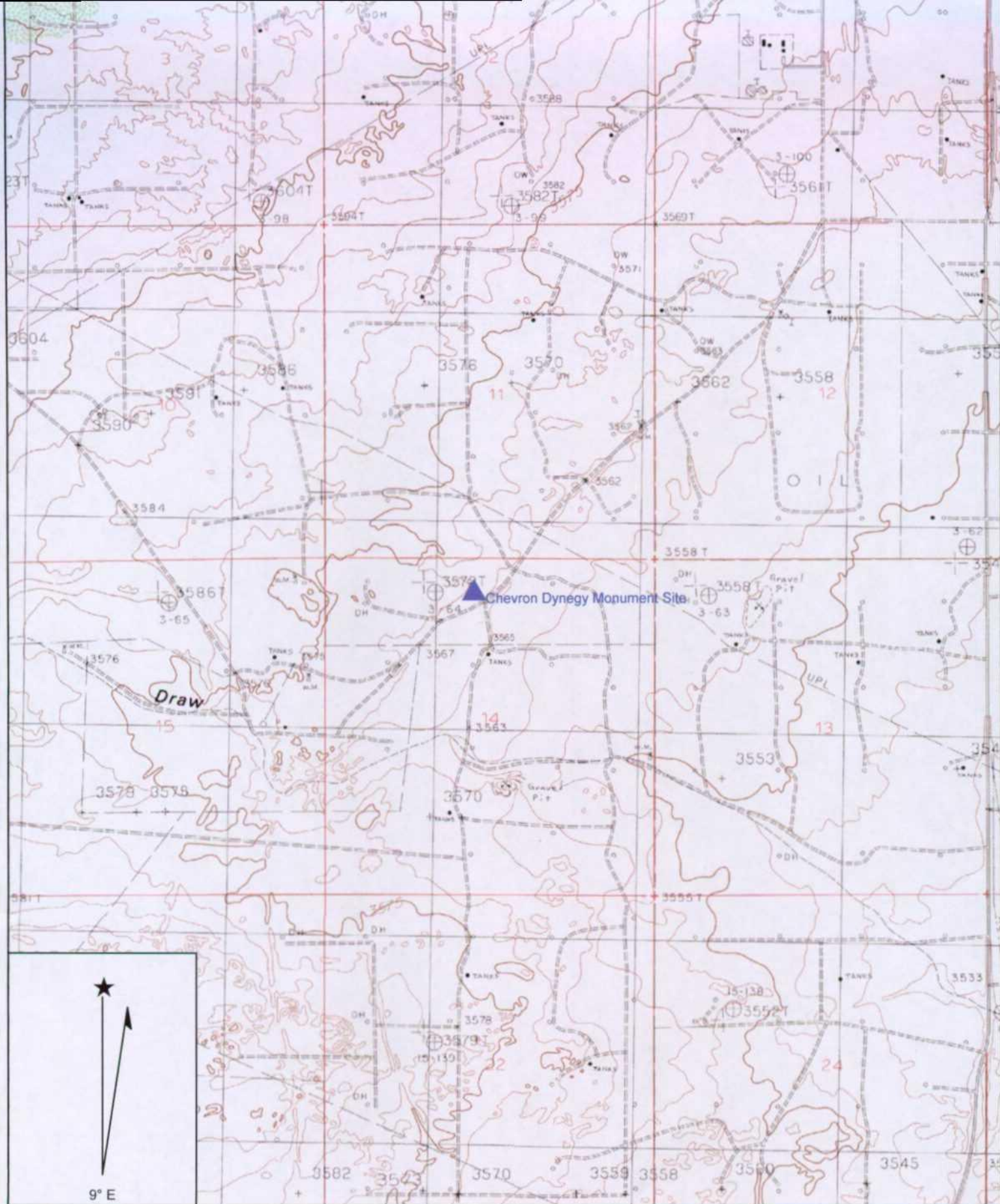
Appendices:

Appendix A. Cumulative Well Water Quality Data

Appendix B. Analytical Results

Appendix C. Water Analysis Validation

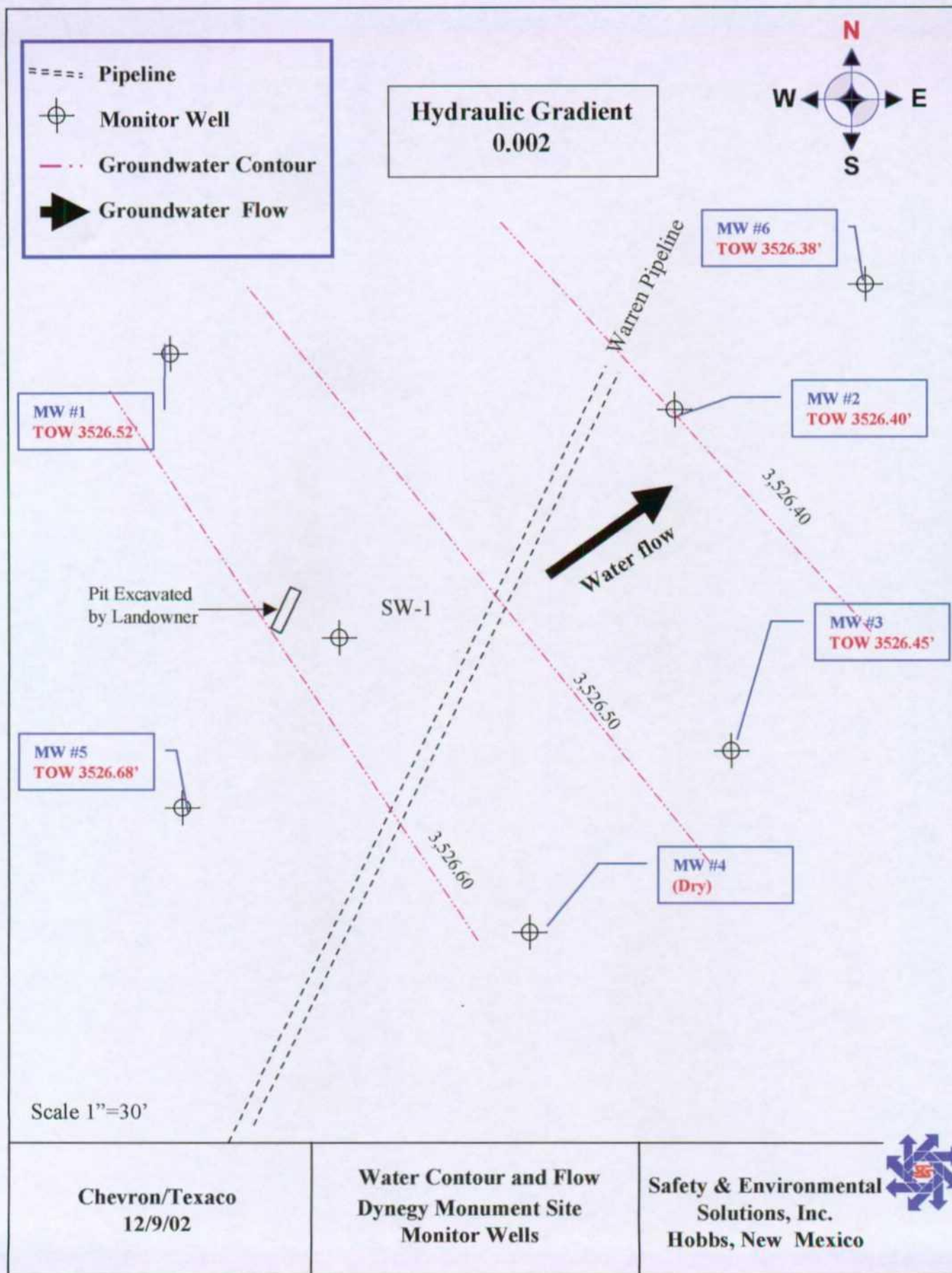
Figure 1
Vicinity Map



Name: MONUMENT SOUTH
 Date: 10/19/2001
 Scale: 1 inch equals 2000 feet

Location: 032° 34' 42.7" N 103° 19' 25.6" W
 Caption: Chevron USA
 Dynegy Monitor Wells
 Figure 1. Vicinity Map

Figure 2
Potentiometric Map



Appendix A
Cumulative Well Water Quality Data

Chevron Dynegy -Monument Cumulative Well Data

Monitor Well #1

CONTAMINANT	WQCC STANDARD (mg/l)	Initial Test 4/08/99 (mg/L)	Test Date 9/23/99 (mg/L)	Test Date 12/09/99 (mg/L)
Arsenic	0.1	<0.1	N/A	N/A
Barium	1.0	<1.0	N/A	N/A
Cadmium	0.01	<0.01	N/A	N/A
Chloride	250	2,291	1,839	3,130
Chromium	0.05	<0.05	N/A	N/A
Copper	1.0	<1.0	N/A	N/A
Cyanide	0.2	<0.02	N/A	N/A
Fluoride	1.6	2.04	1.76	4.01
Iron	1.0	<1.0	N/A	N/A
Lead	0.05	.261	0.34	<0.05
Manganese	0.2	<0.20	0.24	<0.20
Mercury	0.002	<0.002	N/A	N/A
Nitrate	10.0	0.22	N/A	N/A
Phenols	0.005	<0.005	N/A	N/A
Selenium	0.05	<0.05	N/A	N/A
Silver	0.05	0.067	<0.05	<0.05
Sulfate	600	1,837	2,628	390
Zinc	10.0	<1.0	N/A	N/A
TDS	1,000	6,910	7,740	8,130
pH	> 6 & <9	7.74	7.36	7.25
PAH	0.03	<0.005	N/A	N/A
PCBs	0.001	<0.001	N/A	N/A
Benzene	0.010	<0.002	<0.002	<0.002
Toluene	0.750	<0.002	<0.002	<0.002
Ethyl Benzene	0.750	<0.002	<0.002	<0.002
Total Xylenes	0.620	<0.006	<0.006	<0.006
TPH	N/A	N/A	<1.0	1.58
Sodium	N/A	N/A	1,767	1,558
Calcium	N/A	N/A	440	316
Magnesium	N/A	N/A	284	199
Potassium	N/A	N/A	17.01	30
Conductivity	N/A	N/A	1,929	11,580
T-Alkalinity	N/A	N/A	224	N/A
CO ₃	N/A	N/A	0	0
HCO ₃	N/A	N/A	273	288

N/A – For WQCC Standards: Not Applicable; for other columns: Not Analyzed

Chevron Dynegy -Monument Cumulative Well Data

Monitor Well #1 (Continued)

CONTAMINANT	WQCC STANDARD (mg/l)	Test Date 3/25/00 (mg/L)	Test Date 6/14/00 (mg/L)	Test Date 9/28/00 (mg/L)	Test Date 12/29/00 (mg/L)
Arsenic	0.1	N/A	N/A	N/A	N/A
Barium	1.0	N/A	N/A	N/A	N/A
Cadmium	0.01	N/A	N/A	N/A	N/A
Chloride	250	2,433	2,405	2,765	2,691
Chromium	0.05	N/A	N/A	N/A	N/A
Copper	1.0	N/A	N/A	N/A	N/A
Cyanide	0.2	N/A	N/A	N/A	N/A
Fluoride	1.6	1.90	1.97	2.15	1.04
Iron	1.0	N/A	N/A	N/A	N/A
Lead	0.05	0.597	<0.05	0.509	<0.05
Manganese	0.2	<0.2	<0.2	<0.2	0.204
Mercury	0.002	N/A	N/A	N/A	N/A
Nitrate	10.0	N/A	N/A	N/A	N/A
Phenols	0.005	N/A	N/A	N/A	N/A
Selenium	0.05	N/A	N/A	N/A	N/A
Silver	0.05	0.051	0.302	0.05	0.092
Sulfate	600	2,899	2,773	3,437	3293
Zinc	10.0	N/A	N/A	N/A	N/A
TDS	1,000	9,212	8,876	8,854	7,350
pH	> 6 & <9	7.26	7.55	7.33	7.44
PAH	0.03	N/A	N/A	N/A	N/A
PCBs	0.001	N/A	N/A	N/A	N/A
Benzene	0.010	<0.002	<0.002	<0.002	<0.002
Toluene	0.750	<0.002	<0.002	<0.002	<0.002
Ethyl Benzene	0.750	<0.002	<0.002	<0.002	<0.002
Total Xylenes	0.620	<0.006	<0.006	<0.006	<0.006
TPH	N/A	<1.0	1.39	<1.0	<1.0
Sodium	N/A	2,065	1,643	2,750	2,390
Calcium	N/A	445	525	332	429
Magnesium	N/A	417	334	248	302
Potassium	N/A	11.6	8.01	4.95	12.86
Conductivity	N/A	11,460	11,170	10,809	10,507
T-Alkalinity	N/A	232	244	295	308
CO ₃	N/A	0	0	0	0
HCO ₃	N/A	282	298	360	375

N/A – For WQCC Standards: Not Applicable; for other columns: Not Analyzed

Chevron Dynegy -Monument Cumulative Well Data

Monitor Well #1 (Continued)

CONTAMINANT	WQCC STANDARD (mg/l)	Test Date 3/9/01 (mg/l)	Test Date 6/22/01 (mg/l)	Test Date 9/20/01 (mg/l)	Test Date 12/09/02 (mg/l)
Arsenic	0.1	N/A	N/A	N/A	N/A
Barium	1.0	N/A	N/A	N/A	N/A
Cadmium	0.01	N/A	N/A	N/A	N/A
Chloride	250	2,199	1,777	2,379	3,199
Chromium	0.05	N/A	N/A	N/A	N/A
Copper	1.0	N/A	N/A	N/A	N/A
Cyanide	0.2	N/A	N/A	N/A	N/A
Fluoride	1.6	1.70	1.55	2.73	.42
Iron	1.0	N/A	N/A	N/A	N/A
Lead	0.05	<0.05	<0.05	<0.05	<0.05
Manganese	0.2	<0.2	<0.2	<0.1	<0.2
Mercury	0.002	N/A	N/A	N/A	N/A
Nitrate	10.0	N/A	N/A	N/A	N/A
Phenols	0.005	N/A	N/A	N/A	N/A
Selenium	0.05	N/A	N/A	N/A	N/A
Silver	0.05	<0.05	<0.05	<0.05	0.050
Sulfate	600	4,250	2,144	3,596	2,846
Zinc	10.0	N/A	N/A	N/A	N/A
TDS	1,000	8,470	6,540	9,504	8,000
pH	> 6 & <9	7.22	7.14	7.16	7.02
PAH	0.03	N/A	N/A	N/A	N/A
PCBs	0.001	N/A	N/A	N/A	N/A
Benzene	0.010	<0.002	<0.002	<0.002	<0.002
Toluene	0.750	<0.002	<0.002	<0.002	<0.002
Ethyl Benzene	0.750	<0.002	<0.002	<0.002	<0.002
Total Xylenes	0.620	<0.006	<0.006	<0.006	<0.006
TPH	N/A	4.44	<1.00	1.18	43.6
Sodium	N/A	1,921	1,330	2,791	2,832
Calcium	N/A	575	307	591	354
Magnesium	N/A	270	226	419	173
Potassium	N/A	15	11.81	8.86	12.6
Conductivity	N/A	11,059	8,406	13,141	2,029
T-Alkalinity	N/A	280	314	270	300
CO ₃	N/A	0	0	0	0
HCO ₃	N/A	341	383	329	366

N/A – For WQCC Standards: Not Applicable; for other columns: Not Analyzed

Chevron Dynegy -Monument Cumulative Well Data

Monitor Well #2

CONTAMINANT	WQCC STANDARD (mg/l)	Initial Test 4/08/99 (mg/L)	Test Date 9/23/99 (mg/L)	Test Date 12/09/99 (mg/L)
Arsenic	0.1	<0.1	N/A	N/A
Barium	1.0	<1.0	N/A	N/A
Cadmium	0.01	<0.01	N/A	N/A
Chloride	250	1,395	934	1,520
Chromium	0.05	<0.05	N/A	N/A
Copper	1.0	<1.0	N/A	N/A
Cyanide	0.2	<0.02	N/A	N/A
Fluoride	1.6	2.01	1.85	4.04
Iron	1.0	<1.0	N/A	N/A
Lead	0.05	.195	0.21	<0.05
Manganese	0.2	0.225	0.48	0.310
Mercury	0.002	<0.002	N/A	N/A
Nitrate	10.0	0.20	N/A	N/A
Phenols	0.005	<0.005	N/A	N/A
Selenium	0.05	<0.05	N/A	N/A
Silver	0.05	0.060	<0.05	<0.05
Sulfate	600	508	874	157
Zinc	10.0	<1.0	N/a	N/a
TDS	1,000	4,060	7,740	3,540
pH	> 6 & <9	7.60	7.38	7.23
PAH	0.03	<0.005	N/A	N/A
PCBs	0.001	<0.001	N/A	N/A
Benzene	0.010	<0.002	<0.002	<0.002
Toluene	0.750	<0.002	<0.002	<0.002
Ethyl Benzene	0.750	<0.002	<0.002	<0.002
Total Xylenes	0.620	<0.006	<0.006	<0.006
TPH	N/A	N/A	10.3	5.17
Sodium	N/A	N/A	934	927
Calcium	N/A	N/A	200	154
Magnesium	N/A	N/A	160	92
Potassium	N/A	N/A	10.99	20
Conductivity	N/A	N/A	1,881	6,170
T-Alkalinity	N/A	N/A	508	N/A
CO ₃	N/A	N/A	0	0
HCO ₃	N/A	N/A	620	610

N/A – For WQCC Standards: Not Applicable; for other columns: Not Analyzed

Chevron Dynegy -Monument Cumulative Well Data

Monitor Well #2 (Continued)

CONTAMINANT	WQCC STANDARD (mg/l)	Test Date 3/25/00 (mg/L)	Test Date 6/14/00 (mg/L)	Test Date 9/28/00 (mg/L)	Test Date 12/29/00 (mg/L)
Arsenic	0.1	N/A	N/A	N/A	N/A
Barium	1.0	N/A	N/A	N/A	N/A
Cadmium	0.01	N/A	N/A	N/A	N/A
Chloride	250	1,216	1,296	1,240	1,346
Chromium	0.05	N/A	N/A	N/A	N/A
Copper	1.0	N/A	N/A	N/A	N/A
Cyanide	0.2	N/A	N/A	N/A	N/A
Fluoride	1.6	1.87	1.93	2.24	1.12
Iron	1.0	N/A	N/A	N/A	N/A
Lead	0.05	0.580	<0.05	0.305	<0.05
Manganese	0.2	0.324	0.320	0.284	0.315
Mercury	0.002	N/A	N/A	N/A	N/A
Nitrate	10.0	N/A	N/A	N/A	N/A
Phenols	0.005	N/A	N/A	N/A	N/A
Selenium	0.05	N/A	N/A	N/A	N/A
Silver	0.05	<0.05	0.198	0.05	0.107
Sulfate	600	1,180	948	788	902
Zinc	10.0	N/A	N/A	N/A	N/A
TDS	1,000	3,898	3,988	3,822	3,968
pH	> 6 & <9	7.18	7.41	7.33	7.35
PAH	0.03	N/A	N/A	N/A	N/A
PCBs	0.001	N/A	N/A	N/A	N/A
Benzene	0.010	<0.002	<0.002	<0.002	<0.002
Toluene	0.750	<0.002	<0.002	<0.002	<0.002
Ethyl Benzene	0.750	<0.002	<0.002	<0.002	<0.002
Total Xylenes	0.620	<0.006	<0.006	<0.006	<0.006
TPH	N/A	2.36	<1.0	1.72	<1.0
Sodium	N/A	N/A	N/A	1000	1046
Calcium	N/A	186	208	294	197
Magnesium	N/A	152	157	107	164
Potassium	N/A	6.8	2.46	5.05	6.85
Conductivity	N/A	5770	5757	5447	6283
T-Alkalinity	N/A	552	588	726	615
CO ₃	N/A	0	0	0	0
HCO ₃	N/A	673	717	885	750

N/A – For WQCC Standards: Not Applicable; for other columns: Not Analyzed

Chevron Dynegy -Monument Cumulative Well Data

Monitor Well #2 (Continued)

CONTAMINANT	WQCC STANDARD (mg/l)	Test Date 3/9/01 (mg/l)	Test Date 6/22/01 (mg/l)	Test Date 9/20/01 (mg/l)	Test Date 12/09/02 (mg/l)
Arsenic	0.1	N/A	N/A	N/A	N/A
Barium	1.0	N/A	N/A	N/A	N/A
Cadmium	0.01	N/A	N/A	N/A	N/A
Chloride	250	1,060	970	1,140	840
Chromium	0.05	N/A	N/A	N/A	N/A
Copper	1.0	N/A	N/A	N/A	N/A
Cyanide	0.2	N/A	N/A	N/A	N/A
Fluoride	1.6	1.87	1.42	2.69	.25
Iron	1.0	N/A	N/A	N/A	N/A
Lead	0.05	<0.05	<0.05	<0.05	<0.05
Manganese	0.2	0.339	<0.2	0.272	<0.2
Mercury	0.002	N/A	N/A	N/A	N/A
Nitrate	10.0	N/A	N/A	N/A	N/A
Phenols	0.005	N/A	N/A	N/A	N/A
Selenium	0.05	N/A	N/A	N/A	N/A
Silver	0.05	<0.05	<0.05	<0.05	<0.05
Sulfate	600	645	24.16	683	330
Zinc	10.0	N/A	N/A	N/A	N/A
TDS	1,000	3,756	2,894	4,014	2,810
PH	> 6 & <9	7.29	7.33	7.14	7.02
PAH	0.03	N/A	N/A	N/A	N/A
PCBs	0.001	N/A	N/A	N/A	N/A
Benzene	0.010	<0.002	<0.002	<0.002	<0.002
Toluene	0.750	<0.002	<0.002	<0.002	<0.002
Ethyl Benzene	0.750	<0.002	<0.002	<0.002	<0.002
Total Xylenes	0.620	<0.006	<0.006	<0.006	<0.006
TPH	N/A	<1.0	<1.00	4.54	1.04
Sodium	N/A	N/A	844	797	920
Calcium	N/A	154	58	215	81
Magnesium	N/A	182	106	194	78
Potassium	N/A	7.2	3.55	11.4	3.37
Conductivity	N/A	6,015	4,757	6,633	1,833
T-Alkalinity	N/A	694	990	698	1,000
CO ₃	N/A	0	0	0	0
HCO ₃	N/A	847	1,208	852	1,220

N/A – For WQCC Standards: Not Applicable; for other columns: Not Analyzed

Chevron Dynegy -Monument Cumulative Well Data

Monitor Well #3

CONTAMINANT	WQCC STANDARD (mg/l)	Initial Test 4/08/99 (mg/L)	Test Date 9/23/99 (mg/L)	Test Date 12/09/99 (mg/L)
Arsenic	0.1	<0.1	N/A	N/A
Barium	1.0	<1.0	N/A	N/A
Cadmium	0.01	<0.01	N/A	N/A
Chloride	250	948	1,095	1,414
Chromium	0.05	<0.05	N/A	N/A
Copper	1.0	<1.0	N/A	N/A
Cyanide	0.2	<0.02	N/A	N/A
Fluoride	1.6	2.12	1.74	4.03
Iron	1.0	<1.0	N/A	N/A
Lead	0.05	.242	0.18	<0.05
Manganese	0.2	<0.20	0.24	<0.20
Mercury	0.002	<0.002	N/A	N/A
Nitrate	10.0	0.20	N/A	N/A
Phenols	0.005	<0.005	N/A	N/A
Selenium	0.05	<0.05	N/A	N/A
Silver	0.05	0.053	<0.05	<0.05
Sulfate	600	505	971	186
Zinc	10.0	<1.0	N/A	N/A
TDS	1,000	3,700	3,930	3,610
PH	> 6 & <9	7.32	7.23	7.22
PAH	0.03	<0.005	N/A	N/A
PCBs	0.001	<0.001	N/A	N/A
Benzene	0.010	<0.002	<0.002	<0.002
Toluene	0.750	<0.002	<0.002	<0.002
Ethyl Benzene	0.750	<0.002	<0.002	<0.002
Total Xylenes	0.620	<0.006	<0.006	<0.006
TPH	N/A	N/A	2.52	<1.0
Sodium	N/A	N/A	827	881
Calcium	N/A	N/A	96	95
Magnesium	N/A	N/A	272	149
Potassium	N/A	N/A	11.85	24
Conductivity	N/A	N/A	1,850	1,850
T-Alkalinity	N/A	N/A	620	N/A
CO ₃	N/A	N/A	0	0
HCO ₃	N/A	N/A	756	747

N/A – For WQCC Standards: Not Applicable; for other columns: Not Analyzed

Chevron Dynegy -Monument Cumulative Well Data

Monitor Well #3 (Continued)

CONTAMINANT	WQCC STANDARD (mg/l)	Test Date 3/25/00 (mg/L)	Test Date 6/14/00 (mg/L)	Test Date 9/28/00 (mg/L)	Test Date 12/29/00 (mg/L)
Arsenic	0.1	N/A	N/A	N/A	N/A
Barium	1.0	N/A	N/A	N/A	N/A
Cadmium	0.01	N/A	N/A	N/A	N/A
Chloride	250	1,086	1,033	1,114	1,346
Chromium	0.05	N/A	N/A	N/A	N/A
Copper	1.0	N/A	N/A	N/A	N/A
Cyanide	0.2	N/A	N/A	N/A	N/A
Fluoride	1.6	1.92	2.02	2.25	1.05
Iron	1.0	N/A	N/A	N/A	N/A
Lead	0.05	0.611	<0.05	0.379	<0.05
Manganese	0.2	<0.2	<0.2	<0.2	0.168
Mercury	0.002	N/A	N/A	N/A	N/A
Nitrate	10.0	N/A	N/A	N/A	N/A
Phenols	0.005	N/A	N/A	N/A	N/A
Selenium	0.05	N/A	N/A	N/A	N/A
Silver	0.05	<0.05	0.200	<0.05	0.114
Sulfate	600	1230	971	800	866
Zinc	10.0	N/A	N/A	N/A	N/A
TDS	1,000	4,058	3,848	3,764	4,078
pH	> 6 & <9	7.08	7.26	7.12	7.14
PAH	0.03	N/A	N/A	N/A	N/A
PCBs	0.001	N/A	N/A	N/A	N/A
Benzene	0.010	<0.002	<0.002	<0.002	<0.002
Toluene	0.750	<0.002	<0.002	<0.002	<0.002
Ethyl Benzene	0.750	<0.002	<0.002	<0.002	<0.002
Total Xylenes	0.620	<0.006	<0.006	<0.006	<0.006
TPH	N/A	1.47	<1.0	<1.0	<1.0
Sodium	N/A	N/A	N/A	1,085	1,033
Calcium	N/A	158	142	100	146
Magnesium	N/A	236	238	148	226
Potassium	N/A	8.5	4.35	6.90	16.25
Conductivity	N/A	5,550	5,372	5,117	5,932
T-Alkalinity	N/A	624	664	800	764
CO ₃	N/A	0	0	0	0
HCO ₃	N/A	761	810	975	932

N/A – For WQCC Standards: Not Applicable; for other columns: Not Analyzed

Chevron Dynegy -Monument Cumulative Well Data

Monitor Well #3 (Continued)

CONTAMINANT	WQCC STANDARD (mg/l)	Test Date 3/9/01 (mg/l)	Test Date 6/22/01 (mg/l)	Test Date 9/20/01 (mg/l)	Test Date 12/09/02 (mg/l)
Arsenic	0.1	N/A	N/A	N/A	N/A
Barium	1.0	N/A	N/A	N/A	N/A
Cadmium	0.01	N/A	N/A	N/A	N/A
Chloride	250	840	557	980	820
Chromium	0.05	N/A	N/A	N/A	N/A
Copper	1.0	N/A	N/A	N/A	N/A
Cyanide	0.2	N/A	N/A	N/A	N/A
Fluoride	1.6	1.72	1.56	2.53	.45
Iron	1.0	N/A	N/A	N/A	N/A
Lead	0.05	<0.05	<0.05	<0.05	<0.05
Manganese	0.2	<0.2	<0.2	<0.1	<0.2
Mercury	0.002	N/A	N/A	N/A	N/A
Nitrate	10.0	N/A	N/A	N/A	N/A
Phenols	0.005	N/A	N/A	N/A	N/A
Selenium	0.05	N/A	N/A	N/A	N/A
Silver	0.05	<0.05	<0.05	<0.05	0.051
Sulfate	600	752	99.11	971	760
Zinc	10.0	N/A	N/A	N/A	N/A
TDS	1,000	3,620	2,484	4,178	3,450
pH	> 6 & <9	7.18	7.14	6.99	7.00
PAH	0.03	N/A	N/A	N/A	N/A
PCBs	0.001	N/A	N/A	N/A	N/A
Benzene	0.010	<0.002	<0.002	<0.002	<0.002
Toluene	0.750	<0.002	<0.002	<0.002	<0.002
Ethyl Benzene	0.750	<0.002	<0.002	<0.002	<0.002
Total Xylenes	0.620	<0.006	<0.006	<0.006	<0.006
TPH	N/A	<1.0	<1.00	<1.00	39.7
Sodium	N/A	N/A	515	776	885
Calcium	N/A	120	86	204	98
Magnesium	N/A	213	142	269	134
Potassium	N/A	9.5	5.76	3.81	5.77
Conductivity	N/A	5,423	3,747	6,475	1,676
T-Alkalinity	N/A	783	875	756	780
CO ₃	N/A	0	0	0	0
HCO ₃	N/A	955	1,068	922	952

N/A – For WQCC Standards: Not Applicable; for other columns: Not Analyzed

Chevron Dynegy -Monument Cumulative Well Data

Monitor Well #4

CONTAMINANT	WQCC STANDARD (mg/l)	Initial Test 4/08/99 (mg/L)	Test Date 9/23/99 (mg/L)	Test Date 12/09/99 (mg/L)
Arsenic	0.1	<0.1ppm	N/A	N/A
Barium	1.0	<1.0ppm	N/A	N/A
Cadmium	0.01	<0.01ppm	N/A	N/A
Chloride	250	1,893	1,612	2,220
Chromium	0.05	<0.05	N/A	N/A
Copper	1.0	<1.0	N/A	N/A
Cyanide	0.2	<0.02	N/A	N/A
Fluoride	1.6	2.12	1.68	4.04
Iron	1.0	<1.0	N/A	N/A
Lead	0.05	.239	0.20	<0.05
Manganese	0.2	0.475	0.71	.417
Mercury	0.002	<0.002	N/A	N/A
Nitrate	10.0	0.22	N/A	N/A
Phenols	0.005	<0.005	N/A	N/A
Selenium	0.05	<0.05	N/A	N/A
Silver	0.05	0.059	<0.05	<0.05
Sulfate	600	651	1,088	187
Zinc	10.0	<1.0	N/A	N/A
TDS	1,000	6,200	5,190	4,770
PH	> 6 & <9	7.51	7.30	7.30
PAH	0.03	<0.005	N/A	N/A
PCBs	0.001	<0.001	N/A	N/A
Benzene	0.010	<0.002	<0.002	<0.002
Toluene	0.750	<0.002	<0.002	<0.002
Ethyl Benzene	0.750	<0.002	<0.002	<0.002
Total Xylenes	0.620	<0.006	<0.006	<0.006
TPH	N/A	N/A	2.76	<1.0
Sodium	N/A	N/A	1,167	1,393
Calcium	N/A	N/A	176	136
Magnesium	N/A	N/A	272	159
Potassium	N/A	N/A	20.83	32
Conductivity	N/A	N/A	1,812	1,812
T-Alkalinity	N/A	N/A	720	N/A
CO ₃	N/A	N/A	0	0
HCO ₃	N/A	N/A	878	891

N/A – For WQCC Standards: Not Applicable; for other columns: Not Analyzed

Chevron Dynegy -Monument Cumulative Well Data

Monitor Well #4 (Continued)

CONTAMINANT	WQCC STANDARD (mg/l)	Test Date 3/25/00 (mg/L)	Test Date 6/14/00 (mg/L)	Test Date 9/28/00 (mg/L)	Test Date 12/29/00 (mg/L)
Arsenic	0.1	N/A	N/A	N/A	N/A
Barium	1.0	N/A	N/A	N/A	N/A
Cadmium	0.01	N/A	N/A	N/A	N/A
Chloride	250	1,554	1,691	1,716	1,760
Chromium	0.05	N/A	N/A	N/A	N/A
Copper	1.0	N/A	N/A	N/A	N/A
Cyanide	0.2	N/A	N/A	N/A	N/A
Fluoride	1.6	1.83	1.98	2.29	1.10
Iron	1.0	N/A	N/A	N/A	N/A
Lead	0.05	0.603	<0.05	0.444	<0.05
Manganese	0.2	0.403	0.435	0.462	0.416
Mercury	0.002	N/A	N/A	N/A	N/A
Nitrate	10.0	N/A	N/A	N/A	N/A
Phenols	0.005	N/A	N/A	N/A	N/A
Selenium	0.05	N/A	N/A	N/A	N/A
Silver	0.05	<0.05	0.249	<0.05	0.130
Sulfate	600	1,040	804	850	760
Zinc	10.0	N/A	N/A	N/A	N/A
TDS	1,000	4,730	5,144	4,818	4,758
pH	> 6 & <9	7.52	7.39	7.35	7.32
PAH	0.03	N/A	N/A	N/A	N/A
PCBs	0.001	N/A	N/A	N/A	N/A
Benzene	0.010	<0.002	<0.002	<0.002	<0.002
Toluene	0.750	<0.002	<0.002	<0.002	<0.002
Ethyl Benzene	0.750	<0.002	<0.002	<0.002	<0.002
Total Xylenes	0.620	<0.006	<0.006	<0.006	<0.006
TPH	N/A	1.11	<1.0	3.31	<1.0
Sodium	N/A	1,224	822	1,485	1,319
Calcium	N/A	178	242	132	197
Magnesium	N/A	228	217	153	192
Potassium	N/A	12.1	12.39	13.71	30.88
Conductivity	N/A	6,950	7,380	6,737	7,102
T-Alkalinity	N/A	800	840	943	918
CO ₃	N/A	0	0	0	0
HCO ₃	N/A	673	1,025	1,150	1,120

N/A – For WQCC Standards: Not Applicable; for other columns: Not Analyzed

Chevron Dynegy -Monument Cumulative Well Data

Monitor Well #4 (Continued)

CONTAMINANT	WQCC STANDARD (mg/l)	Test Date 3/9/01 (mg/l)	Test Date 6/22/01 (mg/l)	Test Date 9/20/01 (mg/l)
Arsenic	0.1	N/A	N/A	N/A
Barium	1.0	N/A	N/A	N/A
Cadmium	0.01	N/A	N/A	N/A
Chloride	250	N/A	1,278	1,340
Chromium	0.05	N/A	N/A	N/A
Copper	1.0	N/A	N/A	N/A
Cyanide	0.2	N/A	N/A	N/A
Fluoride	1.6	N/A	1.40	2.62
Iron	1.0	N/A	N/A	N/A
Lead	0.05	N/A	<0.05	<0.05
Manganese	0.2	N/A	<0.2	0.437
Mercury	0.002	N/A	N/A	N/A
Nitrate	10.0	N/A	N/A	N/A
Phenols	0.005	N/A	N/A	N/A
Selenium	0.05	N/A	N/A	N/A
Silver	0.05	N/A	<0.05	<0.05
Sulfate	600	N/A	508	633
Zinc	10.0	N/A	N/A	N/A
TDS	1,000	N/A	4,406	4,708
pH	> 6 & <9	N/A	7.42	7.42
PAH	0.03	N/A	N/A	N/A
PCBs	0.001	N/A	N/A	N/A
Benzene	0.010	N/A	<0.002	<0.002
Toluene	0.750	N/A	<0.002	<0.002
Ethyl Benzene	0.750	N/A	<0.002	<0.002
Total Xylenes	0.620	N/A	<0.006	<0.006
TPH	N/A	N/A	1.38	6.76
Sodium	N/A	N/A	472	953
Calcium	N/A	N/A	157	210
Magnesium	N/A	N/A	190	240
Potassium	N/A	N/A	20.16	31.3
Conductivity	N/A	N/A	6,494	7,535
T-Alkalinity	N/A	N/A	928	862
CO ₃	N/A	N/A	0	0
HCO ₃	N/A	N/A	1,132	1,052

N/A – For WQCC Standards: Not Applicable; for other columns: Not Analyzed

Chevron Dynegy -Monument Cumulative Well Data

Monitor Well #5

CONTAMINANT	WQCC STANDARD (mg/l)	Initial Test 4/08/99 (mg/L)	Test Date 9/23/99 (mg/L)	Test Date 12/09/99 (mg/L)
Arsenic	0.1	<0.1	N/A	N/A
Barium	1.0	<1.0	N/A	N/A
Cadmium	0.01	<0.01	N/A	N/A
Chloride	250	2,092	2,139	2,320
Chromium	0.05	<0.05	N/A	N/A
Copper	1.0	<1.0	N/A	N/A
Cyanide	0.2	<0.02	N/A	N/A
Fluoride	1.6	2.32	1.88	4.04
Iron	1.0	<1.0	N/A	N/A
Lead	0.05	.264	0.27	<0.05
Manganese	0.2	0.476	0.57	.404
Mercury	0.002	<0.002	N/A	N/A
Nitrate	10.0	1.92	N/A	N/A
Phenols	0.005	<0.005	N/A	N/A
Selenium	0.05	<0.05	N/A	N/A
Silver	0.05	0.061	<0.05	<0.05
Sulfate	600	2,278	2,259	387
Zinc	10.0	<1.0	N/A	N/A
TDS	1,000	7,260	8,230	7,000
PH	> 6 & <9	7.23	7.10	7.44
PAH	0.03	<0.005	N/A	N/A
PCBs	0.001	<0.001	N/A	N/A
Benzene	0.010	<0.002	<0.002	<0.002
Toluene	0.750	<0.002	<0.002	<0.002
Ethyl Benzene	0.750	<0.002	<0.002	<0.002
Total Xylenes	0.620	<0.006	<0.006	<0.006
TPH	N/A	N/A	2.90	<1.0
Sodium	N/A	N/A	1,600	1,285
Calcium	N/A	N/A	336	206
Magnesium	N/A	N/A	360	210
Potassium	N/A	N/A	44.35	40
Conductivity	N/A	N/A	1,760	10,650
T-Alkalinity	N/A	N/A	490	N/A
CO ₃	N/A	N/A	0	0
HCO ₃	N/A	N/A	598	671

N/A – For WQCC Standards: Not Applicable; for other columns: Not Analyzed

Chevron Dynegy -Monument Cumulative Well Data

Monitor Well #5 (Continued)

CONTAMINANT	WQCC STANDARD (mg/l)	Test Date 3/25/00 (mg/L)	Test Date 6/14/00 (mg/L)	Test Date 9/28/00 (mg/L)	Test Date 12/29/00 (mg/L)
Arsenic	0.1	N/A	N/A	N/A	N/A
Barium	1.0	N/A	N/A	N/A	N/A
Cadmium	0.01	N/A	N/A	N/A	N/A
Chloride	250	2,059	2,104	2,193	2,691
Chromium	0.05	N/A	N/A	N/A	N/A
Copper	1.0	N/A	N/A	N/A	N/A
Cyanide	0.2	N/A	N/A	N/A	N/A
Fluoride	1.6	1.98	2.10	2.44	1.05
Iron	1.0	N/A	N/A	N/A	N/A
Lead	0.05	0.747	<0.005	0.483	<0.05
Manganese	0.2	0.380	0.402	0.397	0.515
Mercury	0.002	N/A	N/A	N/A	N/A
Nitrate	10.0	N/A	N/A	N/A	N/A
Phenols	0.005	N/A	N/A	N/A	N/A
Selenium	0.05	N/A	N/A	N/A	N/A
Silver	0.05	0.103	0.327	<0.05	0.144
Sulfate	600	2,254	2,247	2,598	4,034
Zinc	10.0	N/A	N/A	N/A	N/A
TDS	1,000	8,054	7,744	7,926	7,628
pH	> 6 & <9	7.14	7.38	7.15	7.21
PAH	0.03	N/A	N/A	N/A	N/A
PCBs	0.001	N/A	N/A	N/A	N/A
Benzene	0.010	<0.002	<0.002	<0.002	<0.002
Toluene	0.750	<0.002	<0.002	<0.002	<0.002
Ethyl Benzene	0.750	<0.002	<0.002	<0.002	<0.002
Total Xylenes	0.620	<0.006	<0.006	<0.006	<0.006
TPH	N/A	2.38	<1.0	1.17	<1.0
Sodium	N/A	N/A	N/A	2,300	2,963
Calcium	N/A	283	333	256	296
Magnesium	N/A	441	349	210	343
Potassium	N/A	14.5	13.38	1.75	21.95
Conductivity	N/A	10,370	10,210	9,956	10,600
T-Alkalinity	N/A	532	560	636	629
CO ₃	N/A	0	0	0	0
HCO ₃	N/A	649	683	775	768

N/A – For WQCC Standards: Not Applicable; for other columns: Not Analyzed

Chevron Dynegy -Monument Cumulative Well Data

Monitor Well #5 (Continued)

CONTAMINANT	WQCC STANDARD (mg/l)	Test Date 3/9/01 (mg/l)	Test Date 6/22/01 (mg/l)	Test Date 9/20/01 (mg/l)	Test Date 12/09/02 (mg/l)
Arsenic	0.1	N/A	N/A	N/A	N/A
Barium	1.0	N/A	N/A	N/A	N/A
Cadmium	0.01	N/A	N/A	N/A	N/A
Chloride	250	1,919	1,537	1,819	2,079
Chromium	0.05	N/A	N/A	N/A	N/A
Copper	1.0	N/A	N/A	N/A	N/A
Cyanide	0.2	N/A	N/A	N/A	N/A
Fluoride	1.6	1.90	1.64	2.77	0.44
Iron	1.0	N/A	N/A	N/A	N/A
Lead	0.05	<0.05	<0.05	<0.05	<0.05
Manganese	0.2	0.417	<0.2	0.354	0.479
Mercury	0.002	N/A	N/A	N/A	N/A
Nitrate	10.0	N/A	N/A	N/A	N/A
Phenols	0.005	N/A	N/A	N/A	N/A
Selenium	0.05	N/A	N/A	N/A	N/A
Silver	0.05	<0.05	0.100	<0.05	0.064
Sulfate	600	3,997	167	2,714	2,556
Zinc	10.0	N/A	N/A	N/A	N/A
TDS	1,000	8,462	6,200	8,144	7,520
pH	> 6 & <9	7.23	6.95	7.02	6.95
PAH	0.03	N/A	N/A	N/A	N/A
PCBs	0.001	N/A	N/A	N/A	N/A
Benzene	0.010	<0.002	<0.002	<0.002	<0.002
Toluene	0.750	<0.002	<0.002	<0.002	<0.002
Ethyl Benzene	0.750	<0.002	<0.002	<0.002	<0.002
Total Xylenes	0.620	<0.006	<0.006	<0.006	<0.006
TPH	N/A	<1.0	<1.0	<1.00	46.7
Sodium	N/A	N/A	865	2,380	2,198
Calcium	N/A	403	226	396	246
Magnesium	N/A	395	197	416	176
Potassium	N/A	20	20.59	7.46	20.3
Conductivity	N/A	11,378	8,373	11,946	5,649
T-Alkalinity	N/A	494	698	557	555
CO ₃	N/A	0	0	0	0
HCO ₃	N/A	603	852	679	677

N/A – For WQCC Standards: Not Applicable; for other columns: Not Analyzed

Chevron Dynegy -Monument Cumulative Well Data

Monitor Well #6

CONTAMINANT	WQCC STANDARD (mg/l)	Initial Test 4/08/99 (mg/L)	Test Date 9/23/99 (mg/L)	Test Date 12/09/99 (mg/L)
Arsenic	0.1	<0.1	N/A	N/A
Barium	1.0	<1.0	N/A	N/A
Cadmium	0.01	<0.01	N/A	N/A
Chloride	250	785	933	1,310
Chromium	0.05	<0.05	N/A	N/A
Copper	1.0	<1.0	N/A	N/A
Cyanide	0.2	<0.02	N/A	N/A
Fluoride	1.6	2.30	1.94	4.04
Iron	1.0	<1.0	N/A	N/A
Lead	0.05	.208	0.16	<0.05
Manganese	0.2	<0.20	<0.20	<0.20
Mercury	0.002	<0.002	N/A	N/A
Nitrate	10.0	0.13	N/A	N/A
Phenols	0.005	<0.005	N/A	N/A
Selenium	0.05	<0.05	N/A	N/A
Silver	0.05	0.056	<0.05	<0.05
Sulfate	600	399	501	76
Zinc	10.0	<1.0	N/A	N/A
TDS	1,000	2,800	2,640	2,090
pH	> 6 & <9	7.61	7.32	7.33
PAH	0.03	<0.005	N/A	N/A
PCBs	0.001	<0.001	N/A	N/A
Benzene	0.010	<0.002	<0.002	<0.002
Toluene	0.750	<0.002	<0.002	<0.002
Ethyl Benzene	0.750	<0.002	<0.002	<0.002
Total Xylenes	0.620	<0.006	<0.006	<0.006
TPH	N/A	N/A	2.66	<1.0
Sodium	N/A	N/A	578	728
Calcium	N/A	N/A	144	115
Magnesium	N/A	N/A	122	84
Potassium	N/A	N/A	6.49	22
Conductivity	N/A	N/A	1,796	4,770
T-Alkalinity	N/A	N/A	290	N/A
CO ₃	N/A	N/A	0	0
HCO ₃	N/A	N/A	354	390

N/A – For WQCC Standards: Not Applicable; for other columns: Not Analyzed

Chevron Dynegy -Monument Cumulative Well Data

Monitor Well #6 (Continued)

CONTAMINANT	WQCC STANDARD (mg/l)	Test Date 3/25/00 (mg/L)	Test Date 6/14/00 (mg/L)	Test Date 9/28/00 (mg/L)	Test Date 12/29/00 (mg/L)
Arsenic	0.1	N/A	N/A	N/A	N/A
Barium	1.0	N/A	N/A	N/A	N/A
Cadmium	0.01	N/A	N/A	N/A	N/A
Chloride	250	1,104	1,090	1,526	1,449
Chromium	0.05	N/A	N/A	N/A	N/A
Copper	1.0	N/A	N/A	N/A	N/A
Cyanide	0.2	N/A	N/A	N/A	N/A
Fluoride	1.6	1.97	2.03	2.46	1.01
Iron	1.0	N/A	N/A	N/A	N/A
Lead	0.05	0.770	<0.05	0.208	<0.05
Manganese	0.2	<0.2	<0.2	<0.2	0.129
Mercury	0.002	N/A	N/A	N/A	N/A
Nitrate	10.0	N/A	N/A	N/A	N/A
Phenols	0.005	N/A	N/A	N/A	N/A
Selenium	0.05	N/A	N/A	N/A	N/A
Silver	0.05	0.088	0.250	<0.05	0.147
Sulfate	600	533	694	823	720
Zinc	10.0	N/A	N/A	N/A	N/A
TDS	1,000	3,096	3,244	3,332	3,512
pH	> 6 & <9	7.33	7.44	7.37	7.42
PAH	0.03	N/A	N/A	N/A	N/A
PCBs	0.001	N/A	N/A	N/A	N/A
Benzene	0.010	<0.002	<0.002	<0.002	<0.002
Toluene	0.750	<0.002	<0.002	<0.002	<0.002
Ethyl Benzene	0.750	<0.002	<0.002	<0.002	<0.002
Total Xylenes	0.620	<0.006	<0.006	<0.006	<0.006
TPH	N/A	<1.0	<1.0	<1.0	<1.0
Sodium	N/A	N/A	N/A	1,190	922
Calcium	N/A	182	200	123	210
Magnesium	N/A	133	152	102	148
Potassium	N/A	5.9	2.46	6.15	9.46
Conductivity	N/A	4,700	4,721	4,872	5,593
T-Alkalinity	N/A	316	320	357	359
CO ₃	N/A	0	0	0	0
HCO ₃	N/A	386	390	435	438

N/A – For WQCC Standards: Not Applicable; for other columns: Not Analyzed

Chevron Dynegy -Monument Cumulative Well Data

Monitor Well #6 (Continued)

CONTAMINANT	WQCC STANDARD (mg/l)	Test Date 3/9/01 (mg/l)	Test Date 6/22/01 (mg/l)	Test Date 9/20/01 (mg/l)	Test Date 12/09/02 (mg/l)
Arsenic	0.1	N/A	N/A	N/A	N/A
Barium	1.0	N/A	N/A	N/A	N/A
Cadmium	0.01	N/A	N/A	N/A	N/A
Chloride	250	990	759	1,160	880
Chromium	0.05	N/A	N/A	N/A	N/A
Copper	1.0	N/A	N/A	N/A	N/A
Cyanide	0.2	N/A	N/A	N/A	N/A
Fluoride	1.6	1.83	1.61	2.82	.43
Iron	1.0	N/A	N/A	N/A	N/A
Lead	0.05	<0.05	<0.05	<0.05	<0.05
Manganese	0.2	<0.2	<0.2	<0.1	<0.2
Mercury	0.002	N/A	N/A	N/A	N/A
Nitrate	10.0	N/A	N/A	N/A	N/A
Phenols	0.005	N/A	N/A	N/A	N/A
Selenium	0.05	N/A	N/A	N/A	N/A
Silver	0.05	<0.05	0.086	<0.05	0.060
Sulfate	600	780	178	689	531
Zinc	10.0	N/A	N/A	N/A	N/A
TDS	1,000	3,348	2,388	3,514	2,430
pH	> 6 & <9	7.49	7.34	7.28	7.21
PAH	0.03	N/A	N/A	N/A	N/A
PCBs	0.001	N/A	N/A	N/A	N/A
Benzene	0.010	<0.002	<0.002	<0.002	<0.002
Toluene	0.750	0.007	<0.002	<0.002	<0.002
Ethyl Benzene	0.750	<0.002	<0.002	<0.002	<0.002
Total Xylenes	0.620	<0.006	<0.006	<0.006	<0.006
TPH	N/A	<1.0	<1.0	<1.00	2.97
Sodium	N/A	N/A	655	710	696
Calcium	N/A	223	128	240	105
Magnesium	N/A	130	100	191	85
Potassium	N/A	7.1	5.37	12.2	2.67
Conductivity	N/A	5,328	3,779	5,854	1,646
T-Alkalinity	N/A	340	349	358	335
CO ₃	N/A	0	0	0	0
HCO ₃	N/A	415	426	437	409

N/A – For WQCC Standards: Not Applicable; for other columns: Not Analyzed

Monitor Well 1

Monitor Well 1								
Contaminant		Chloride (mg/L)	TDS (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethyl Benzene (mg/L)	Total Xylenes (mg/L)	TPH (mg/L)
Date:	Serial Date							
4/8/99	36258	2,291	6,910	<0.002	<0.002	<0.002	<0.006	N/a
9/23/99	36426	1,839	7,740	<0.002	<0.002	<0.002	<0.006	<1.0
12/9/99	36503	3,130	8,130	<0.002	<0.002	<0.002	<0.006	1.58
3/25/00	36610	2,433	9,212	<0.002	<0.002	<0.002	<0.006	<1.0
6/14/00	36691	2,405	8,876	<0.002	<0.002	<0.002	<0.006	1.39
9/28/00	36797	2,765	8,854	<0.002	<0.002	<0.002	<0.006	<1.0
12/29/00	36889	2,691	7,350	<0.002	<0.002	<0.002	<0.006	<1.0
3/9/01	36959	2,199	8,470	<0.002	<0.002	<0.002	<0.006	4.44
12/9/02	37599	3,199	8,000	<0.002	<0.002	<0.002	<0.006	43.6
WQCC Standard								
		250	1,000	0.01	0.75	0.75	0.62	N/a

Monitor Well 2

Monitor Well 2								
Contaminant	Serial Date	Chloride (mg/L)	TDS (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethyl Benzene (mg/L)	Total Xylenes (mg/L)	TPH (mg/L)
Date:								
4/8/99	36258	1,395	4,060	<0.002	<0.002	<0.002	<0.006	N/a
9/23/99	36426	934	7,740	<0.002	<0.002	<0.002	<0.006	10.3
12/9/99	36503	1,520	3,540	<0.002	<0.002	<0.002	<0.006	5.17
3/25/00	36610	1,216	3,898	<0.002	<0.002	<0.002	<0.006	2.36
6/14/00	36691	1,296	3,988	<0.002	<0.002	<0.002	<0.006	<1.0
9/28/00	36797	1,240	3,822	<0.002	<0.002	<0.002	<0.006	1.72
12/29/00	36889	1,346	3,968	<0.002	<0.002	<0.002	<0.006	<1.0
3/9/01	36959	1,060	3,756	<0.002	<0.002	<0.002	<0.006	<1.0
12/9/02	37599	840	2,810	<0.002	<0.002	<0.002	<0.006	1.04
WQCC Standard								
		250	1,000	0.01	0.75	0.75	0.62	N/a

Monitor Well 3

Monitor Well 3								
Contaminant	Serial Date	Chloride (mg/L)	TDS (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethyl Benzene (mg/L)	Total Xylenes (mg/L)	TPH (mg/L)
Date:								
4/8/99	36258	948	3,700	<0.002	<0.002	<0.002	<0.006	N/a
9/23/99	36426	1,095	3,930	<0.002	<0.002	<0.002	<0.006	2.52
12/9/99	36503	1,414	3,610	<0.002	<0.002	<0.002	<0.006	<1.0
3/25/00	36610	1,086	4,058	<0.002	<0.002	<0.002	<0.006	1.47
6/14/00	36691	1,033	3,848	<0.002	<0.002	<0.002	<0.006	<1.0
9/28/00	36797	1,144	3,764	<0.002	<0.002	<0.002	<0.006	<1.0
12/29/00	36889	1,346	4,078	<0.002	<0.002	<0.002	<0.006	<1.0
3/9/01	36959	840	3,620	<0.002	<0.002	<0.002	<0.006	<1.0
12/9/02	37599	820	3,450	<0.002	<0.002	<0.002	<0.006	39.7
WQCC Standard		250	1,000	0.01	0.75	0.75	0.62	N/a

Monitor Well 4

Monitor Well 4								
Contaminant	Serial Date	Chloride (mg/L)	TDS (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethyl Benzene (mg/L)	Total Xylenes (mg/L)	TPH (mg/L)
Date:								
4/8/99	36258	1,893	6,200	<0.002	<0.002	<0.002	<0.006	N/a
9/23/99	36426	1,612	5,190	<0.002	<0.002	<0.002	<0.006	2.76
12/9/99	36503	2,220	4,770	<0.002	<0.002	<0.002	<0.006	<1.0
3/25/00	36610	1,554	4,730	<0.002	<0.002	<0.002	<0.006	1.11
6/14/00	36691	1,691	5,144	<0.002	<0.002	<0.002	<0.006	<1.0
9/28/00	36797	1,716	4,818	<0.002	<0.002	<0.002	<0.006	3.31
12/29/00	36889	1,760	4,758	<0.002	<0.002	<0.002	<0.006	<1.0
3/9/01	36959	N/a	N/a	N/a	N/a	N/a	N/a	N/a
WQCC Standard		250	1,000	0.01	0.75	0.75	0.62	N/a

Monitor Well 5

Monitor Well 5								
Contaminant	Serial Date	Chloride (mg/L)	TDS (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethyl Benzene (mg/L)	Total Xylenes (mg/L)	TPH (mg/L)
Date:								
4/8/99	36258	2,092	7,260	<0.002	<0.002	<0.002	<0.006	N/a
9/23/99	36426	2,139	8,230	<0.002	<0.002	<0.002	<0.006	2.9
12/9/99	36503	2,320	7,000	<0.002	<0.002	<0.002	<0.006	<1.0
3/25/00	36610	2,059	8,054	<0.002	<0.002	<0.002	<0.006	2.38
6/14/00	36691	2,104	7,744	<0.002	<0.002	<0.002	<0.006	<1.0
9/28/00	36797	2,193	7,926	<0.002	<0.002	<0.002	<0.006	1.17
12/29/00	36889	2,691	7,628	<0.002	<0.002	<0.002	<0.006	<1.0
3/9/01	36959	1,919	8,462	<0.002	<0.002	<0.002	<0.006	<1.0
12/9/02	37599	2,079	7,520	<0.002	<0.002	<0.002	<0.006	46.7
WQCC Standard								
		250	1,000	0.01	0.75	0.75	0.62	N/a

Monitor Well 6

Monitor Well 6								
Contaminant	Serial Date	Chloride (mg/L)	TDS (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethyl Benzene (mg/L)	Total Xylenes (mg/L)	TPH (mg/L)
Date:								
4/8/99	36258	785	2,800	<0.002	<0.002	<0.002	<0.006	N/a
9/23/99	36426	933	2,640	<0.002	<0.002	<0.002	<0.006	2.66
12/9/99	36503	1,310	2,090	<0.002	<0.002	<0.002	<0.006	<1.0
3/25/00	36610	1,104	3,096	<0.002	<0.002	<0.002	<0.006	<1.0
6/14/00	36691	1,090	3,244	<0.002	<0.002	<0.002	<0.006	<1.0
9/28/00	36797	1,526	3,332	<0.002	<0.002	<0.002	<0.006	<1.0
12/29/00	36889	1,449	3,512	<0.002	<0.002	<0.002	<0.006	<1.0
3/9/01	36959	990	3,348	<0.002	<0.002	<0.002	<0.006	<1.0
12/9/02	37599	880	2,430	<0.002	<0.002	<0.002	<0.006	2.97
WQCC Standard		250	1,000	0.01	0.75	0.75	0.62	N/a

Appendix B

Analytical Results



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.
ATTN: BOB ALLEN
703 E. CLINTON, STE 103
HOBBS, NM 88240
FAX TO: (505) 393-4388

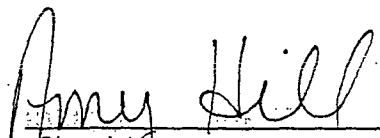
Receiving Date: 12/09/02
Reporting Date: 12/16/02
Project Number: CHE-00-001
Project Name: CHEVRON DYNEGY
Project Location: MONUMENT, NM

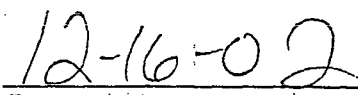
Sampling Date: 12/09/02
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: AH

LAB NUMBER	SAMPLE ID	F ⁻ (ppm)	Ag (ppm)	Mn (ppm)	Pb (ppm)
ANALYSIS DATE		12/10/02	12/13/02	12/13/02	12/13/02
H7292-1	MW 1	0.42	0.050	<0.2	<0.05
H7292-2	MW2	0.25	<0.05	<0.2	<0.05
H7292-3	MW3	0.45	0.051	<0.2	<0.05
H7292-4	MW5	0.44	0.064	0.479	<0.05
H7292-5	MW6	0.43	0.060	<0.2	<0.05
Quality Control		0.97	4.951	1.009	4.988
True Value QC		1.00	5.000	1.000	5.000
% Accuracy		97.5	99.0	100	99.8
Relative Percent Difference		2.0	0.9	0.4	0.2

METHODS:	EPA 600/4-79-020	4500-FD*	272.1	243.1	239.1
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*Std. Methods


Chemist


Date

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 third parties 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 (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.
ATTN: BOB ALLEN
703 E. CLINTON, #103
HOBBS, NM 88240
FAX TO: (505) 393-4388

Receiving Date: 12/09/02
Reporting Date: 12/11/02
Project Number: CHE-00-001
Project Name: CHEVRON-DYNEGY
Project Location: MONUMENT, NM

Sampling Date: 12/09/02
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

LAB NUMBER	SAMPLE ID	TPH (mg/L)	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE:		12/10/02	12/10/02	12/10/02	12/10/02	12/10/02
H7292-1	MW 1	43.6	<0.002	<0.002	<0.002	<0.006
H7292-2	MW 2	1.04	<0.002	<0.002	<0.002	<0.006
H7292-3	MW 3	39.7	<0.002	<0.002	0.002	<0.006
H7292-4	MW 5	46.7	<0.002	<0.002	<0.002	<0.006
H7292-5	MW 6	2.97	<0.002	<0.002	<0.002	<0.006
Quality Control		5.82	0.100	0.100	0.098	0.283
True Value QC		6.00	0.100	0.100	0.100	0.300
% Recovery		97.0	99.9	99.8	97.6	94.3
Relative Percent Difference		6.2	4.5	3.1	6.4	4.8

METHODS: TRPHC-EPA 600/4-79-020 418.1; BTEX -EPA SW-846 8260


Burgess J. A. Cooke, Ph.D.

12/11/02
Date

Appendix C

Water Analysis Validation

Water Analysis Validation

Cations and Anions Calculation Check								
	Sample Name	H7292-1	H7292-2	H7292-3	N/S	H7292-4	H7292-5	
	Well Number	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	
	Date	12/09/02	12/09/02	12/09/02	12/09/02	12/09/02	12/09/02	
Equivalent Weight:	Laboratory:	Cardinal	Cardinal	Cardinal	Cardinal	Cardinal	Cardinal	
22.99	Sodium (mg/L)	2,832	920	885	N/S	2,198	696	
20.04	Calcium (mg/L)	354	81	98	N/S	247	105	
12.15	Magnesium (mg/L)	173	78	134	N/S	176	85	
39.09	Potassium (mg/L)	12.6	3.4	5.8	N/S	20.3	2.7	
35.45	Chloride (mg/L)	3,199	840	820	N/S	2,079	880	
48.04	Sulfate (mg/L)	2,846	330	760	N/S	2,556	531	
30.00	Carbonate (mg/L)	0.0	0.0	0.0	N/S	0.0	0.0	
61.01	Bicarbonate (mg/L)	366	1,220	952	N/S	677	409	
50.04	Alkalinity (mg/L CaCO3)	300	1,000	780	N/S	555	335	
62.00	Nitrate (mg/L)	0.0	0.0	0.0	N/S	0.0	0.0	
	Laboratory pH	7.02	7.20	7.00	N/S	6.95	7.21	
	Elect. Conductivity (umhos/cm)	2,029	1,833	1,676	N/S	5,649	1,646	
	Measured TDS (evap., mg/L)	8,000	2,810	3,450	N/S	7,520	2,430	
1.	Bicarbonate check (mg/L)	366	1,219	951	N/S	677	408	
2.	Anion-Cation Balance							
	Sum Cations (meq/L)	155.4	50.6	54.6	N/S	122.9	42.6	
	Sum Anions (meq/L)	155.5	50.5	54.5	N/S	122.9	42.6	
	Anion-Cation Percent Difference:	0.0	0.0	0.0	N/S	0.0	0.0	
3.	TDS, Meas. to Calc:							
	TDS (calc. USGS sum, mg/L)	9,597	2,852	3,171	N/S	7,609	2,501	
	TDS (meas.) / TDS (calc. USGS)	0.8	1.0	1.1	N/S	1.0	1.0	
4.	TDS (Calc.)/Cond.							
	TDS (calc. sum, mg/L)	9,783	3,472	3,655	N/S	7,953	2,709	
	TDS (C*0.7, mg/L)	1,420	1,283	1,173	N/S	3,954	1,152	
	TDS (calc. USGS) / Conductivity	4.73	1.56	1.89	N/S	1.35	1.52	
Test Criteria								
1. Bicarbonate Check:		Check value = reported value						
2. Anion-Cation Balance:		Anion Sum	Max % diff.					
		0 - 3.0	± 0.2					
		3.0 - 10.0	± 2					
		10.0 - 800	± 5					
3. TDS(Measured) to USGS Calculated Ratio:	1.0 < (measured TDS/USGS calculated TDS) < 1.2							
4. TDS (calculated, USGS sum) to EC Ratio:	Calculated USGS TDS/conductivity = 0.55 - 0.7							