



August 30, 2010

Project No. 03141-0111

Ms. Carol Cauthen
Williams Field Services
188 Road 4900
Bloomfield, New Mexico 87413

Phone (505) 632-4704

**RE: 3RD QUARTER GROUNDWATER INVESTIGATION REPORT FOR WILLIAMS FIELD SERVICES
IGNACIO GAS PLANT, AUGUST 2010**

Dear Ms. Cauthen,

Enclosed please find the *3rd Quarter Groundwater Investigation Report* for groundwater sampling performed on August 4, 2010, at the Williams Field Services Ignacio Gas Plant located in the SW ¼ of Section 36, Township 34N, Range 9W, La Plata County, Colorado.

The water levels of eight (8) wells and one (1) piezometer were monitored. The piezometer (PZ-10) was found to be dry. All monitor wells were sampled and analyzed in the field for pH, temperature, and conductivity. All monitor wells were also analyzed in the laboratory for BTEX via USEPA Method 8021 with the approval of the State of Colorado. All activities and results are discussed in the following report.

We appreciate the opportunity to be of service. If you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully Submitted,
ENVIROTECH, INC.


Toni McKnight, EIT
Staff Scientist/Geologist
tmcknight@envirotech-inc.com

Enclosures: 3rd Quarter Groundwater Investigation Report

Cc: Client File 03141



envirotech

3RD QUARTER GROUNDWATER INVESTIGATION REPORT

AT:

**WILLIAMS FIELD SERVICES
IGNACIO GAS PLANT
SECTION 36, TOWNSHIP 34N, RANGE 9W
LA PLATA COUNTY, COLORADO**

FOR:

**MS. CAROL CAUTHEN
WILLIAMS FIELD SERVICES
188 ROAD 4900
BLOOMFIELD, NEW MEXICO 87413**

PROJECT NO. 03141-0111

AUGUST 2010

**3RD QUARTER GROUNDWATER INVESTIGATION REPORT
WILLIAMS FIELD SERVICES
IGNACIO GAS PLANT
SECTION 36, TOWNSHIP 34N, RANGE 9W
LA PLATA COUNTY, COLORADO**

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INTRODUCTION

This report summarizes the groundwater monitoring of eight (8) monitor wells (MW) and one (1) piezometer (PZ) at the Williams Field Services Ignacio Gas Plant. The site is located in the SW ¼ of Section 36, Township 34N, Range 9W, La Plata County, Colorado; see ***Figure 1, Vicinity Map***. Activities in this report include sampling, laboratory analysis, documentation, and reporting.

The site has a moderate topographic relief of approximately 80 feet, with the surface gradient to the south and east towards Pine Creek. The site is located on an outcrop of Tertiary age dark marine shale sediments, believed to be the Nacimiento Formation.

ACTIVITIES PERFORMED

A *Sampling and Analysis Plan* was developed according to Section 2.2 of the State of Colorado groundwater protection rules. Prior to sampling, water levels were measured and a minimum of three (3) casing volumes were purged. Samples collected from the monitoring wells were analyzed in the field for pH, temperature, and conductivity and in Envirotech's laboratory for BTEX via USEPA Method 8021 with the approval of the State of Colorado. Eight (8) wells and one (1) piezometer are located on the site.

On August 4, 2010, samples were collected from the eight (8) monitor wells. The piezometer (PZ-10) was dry at the time of sampling. Samples were collected from MW-8, MW-11, MW-12, MW-4, MW-9, MW-2, MW-7, and POC-1.

Two (2) monitoring wells had benzene values above the State of Colorado regulatory standard of 5.0 ppb (MW-2 at 5.5 ppb and MW-8 at 524 ppb); see ***Figure 3, Benzene Iso-Concentration Map*** and ***Table 1, Laboratory Results of Groundwater Sample Analyses***. Benzene levels increased in MW-2 and MW-8 since the previous sampling event. MW-8 is located adjacent to the evaporation lagoon and MW-2 is directly southeast and down-gradient of the evaporative lagoon. A submersible pump was installed on MW-8 by Williams Field Service to purge groundwater from the well for approximately one (1) hour per day since July 22, 2009; however, groundwater had not been purged for approximately three (3) months prior to the sampling event. No other contaminants of concern exceeded State of Colorado water regulation standards in any of the monitoring wells. Laboratory Certificates of Analyses are included; see ***Appendix A, Laboratory Certificates of Analyses***.

The water quality analysis shows high conductivity in the area surrounding the evaporation lagoon. MW-11 and MW-12, the furthest upgradient wells sampled, exhibited conductivity reading of 1.29 mS and 1.67 mS; see ***Appendix B, Field Notes***. These readings are considered to be the background level. Conductivity readings in MW-2, MW-4, MW-7, MW-8, and MW-9, which surround the evaporation lagoon, ranged from 4.13 mS to greater than 20 mS. The furthest downgradient well, POC-1, exhibited a conductivity reading of 1.23 mS. The POC-1 conductivity readings were similar to the background determined for this site.

The water table map presented as **Figure 2, Water Level Map** shows various water gradients ranging from 0.0305 ft/ft at the north edge of the site to 0.248 ft/ft at the southeast edge of the site near Pine Creek. Water table measurements are summarized in **Table 2, Water Level Measurements**.

CONCLUSIONS AND RECOMMENDATIONS

Envirotech, Inc. has completed the quarterly monitoring activities for monitor wells at Williams Field Services Ignacio Gas Plant. At present, there does not appear to be any migration of contaminants offsite from the lagoon or plant. Benzene levels in MW-8 have increased over the previous three (3) sampling events from 41.4 ppb to 524 ppb. Purging of groundwater from MW-8 had occurred up to the beginning of May 2010. Groundwater has not been purged from the well since the beginning of May 2010 due to a decrease in groundwater levels and the well being purged dry. The increasing trend in benzene levels in MW-8 during the previous three (3) sampling events may be due to the discontinued purging of groundwater from the well.

Over the previous three (3) sampling events, the benzene levels in MW-2 have increased from less than 0.2 ppb to 6.5 ppb. The increase in benzene levels in MW-2 during the current sampling event could be due to the decrease in the groundwater elevation. MW-2 is located down-gradient from the evaporative lagoon and MW-8.

The piezometer (PZ-10) has been dry since 2006 indicating that the evaporative pond may not be leaking. MW-12 appears to have been damaged and the casing is obstructed, not allowing a full three (3) volumes of purge before sampling.

Envirotech, Inc. recommends the installation of additional monitoring wells around the evaporation lagoon to better delineate possible migration of contaminants offsite from the lagoon or plant. These proposed monitoring wells are PMW-13, PMW-14, PMW-15, and PMW-17; see **Figure 3, Benzene Iso-Concentration Map**. Envirotech, Inc. recommends continued sampling until constituents in all monitor wells are below State of Colorado groundwater regulatory levels.

The undersigned has conducted this service at the above referenced site. This work has been conducted and reported in accordance with generally accepted professional practices in geology, engineering, environmental chemistry, and hydrogeology.


Williams Field Services
Ignacio Gas Plant
3rd Quarterly Groundwater Sampling
Project No. 03141-0111
August 2010

Submitted by:
ENVIROTECH, INC.



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Reviewed by:



Greg Crabtree, PE
Environmental Manager
gcrabtree@envirotech-inc.com

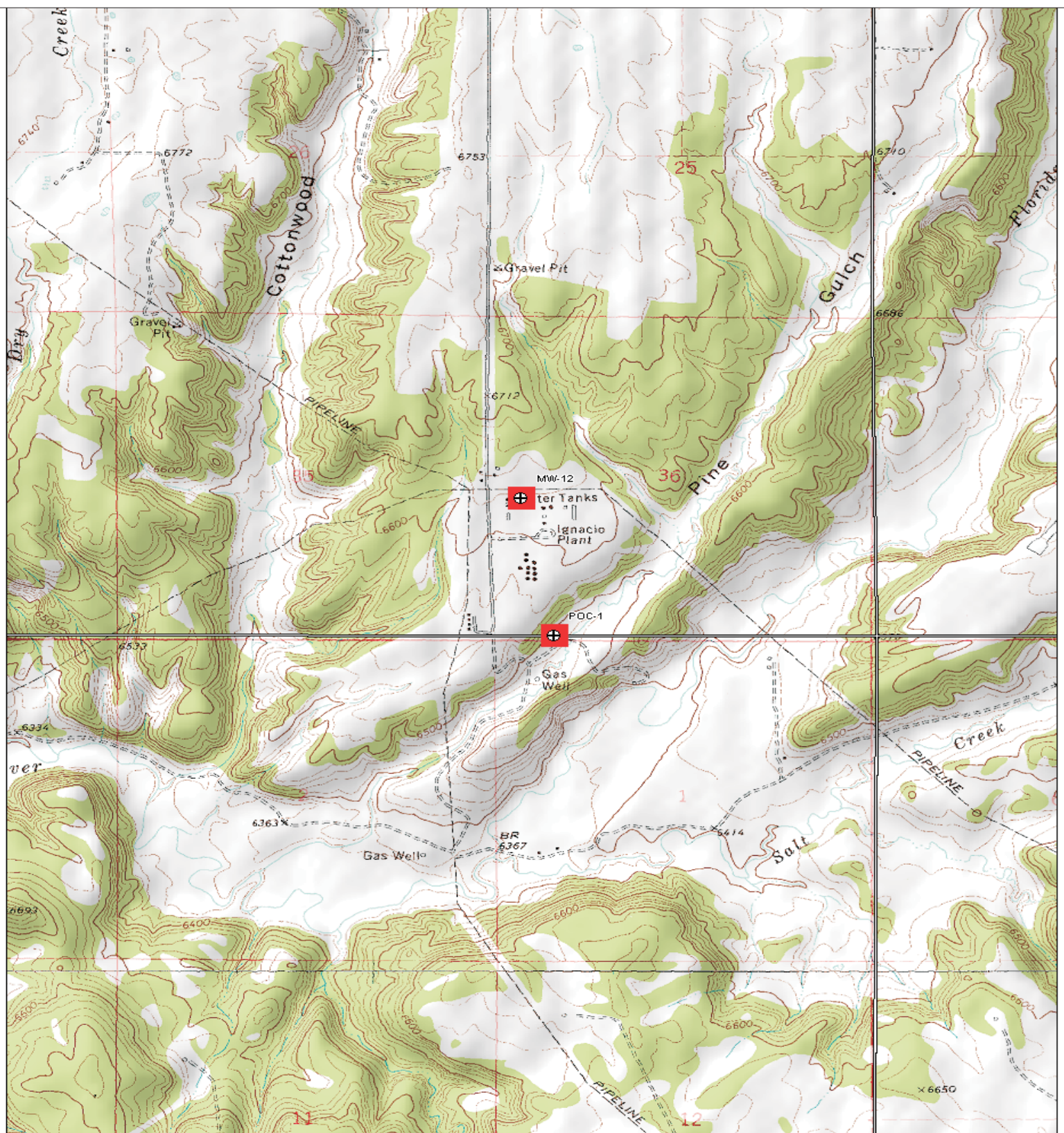


FIGURES

Figure 1, Vicinity Map

Figure 2, Water Level Map

Figure 3, Benzene Iso-Concentration Map



Data use subject to license.



Source: 7.5 Minute Loma Linda, Colorado, U.S.G.S. Topographic Quadrangle Map

Williams Field Services
Ignacio Gas Plant
Sec. 36, Twp. 34N, Rng. 9W
La Plata County, Colorado

ENVIROTECH INC.

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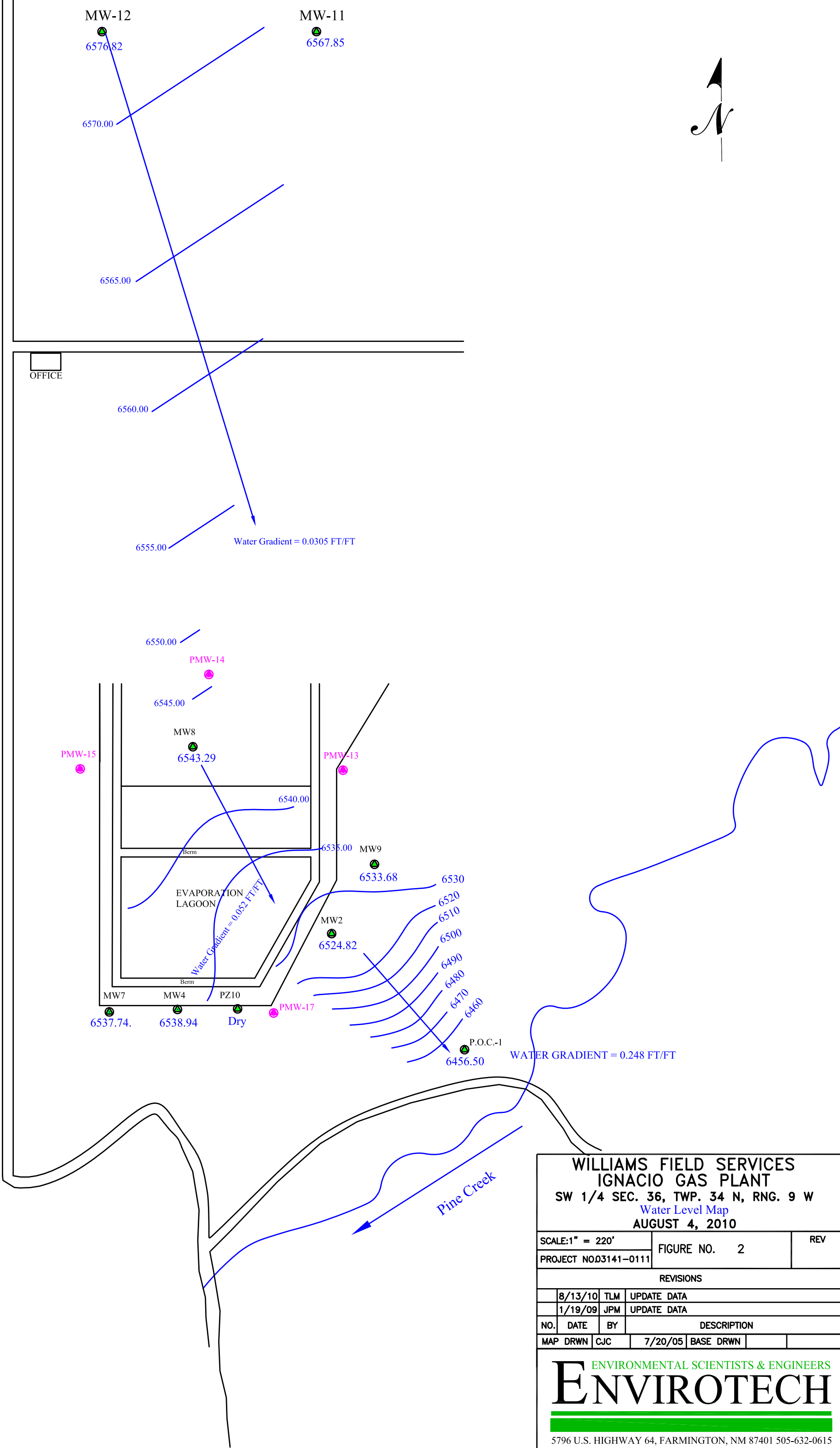
Vicinity Map

Figure 1

DRAWN BY:
C. Jack Collins

PROJECT MANAGER:
Kyle P. Kerr

PROJECT # 03141-0104 Date Drawn: 09/16/05



WILLIAMS FIELD SERVICES
IGNACIO GAS PLANT
SW 1/4 SEC. 36, TWP. 34 N, RNG. 9 W
Water Level Map
AUGUST 4, 2010

SCALE:1" = 220'

PROJECT NO.03141-0111

FIGURE NO. 2

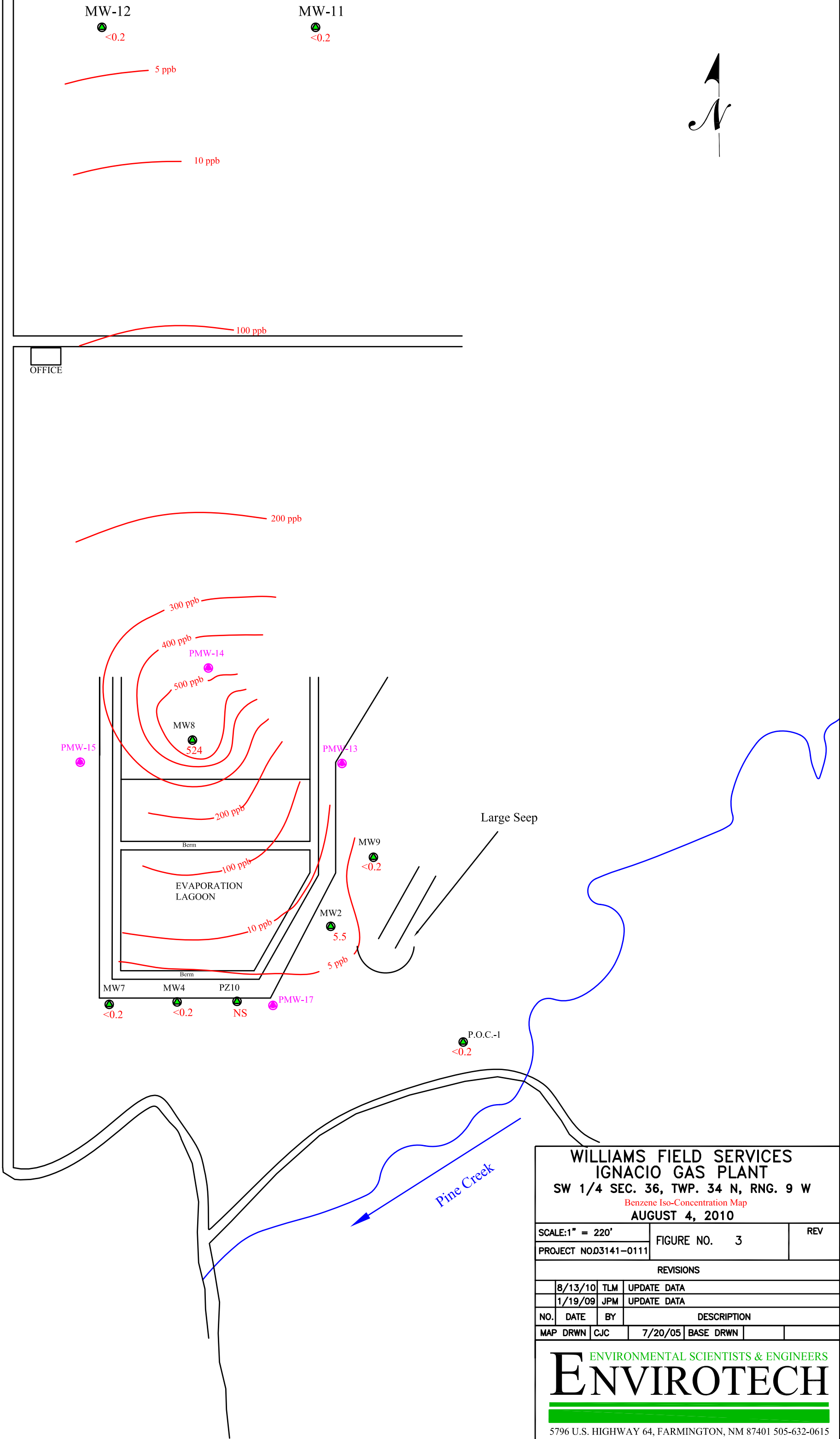
REV

REVISIONS					
	8/13/10	TLM	UPDATE	DATA	
	1/19/09	JPM	UPDATE	DATA	
NO.	DATE	BY	DESCRIPTION		
MAP	DRWN	CJC	7/20/05	BASE	DRWN

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WILLIAMS FIELD SERVICES
IGNACIO GAS PLANT
SW 1/4 SEC. 36, TWP. 34 N, RNG. 9 W
Benzene Iso-Concentration Map
AUGUST 4, 2010

SCALE:1" = 220'

PROJECT NO.03141-0111

FIGURE NO. 3

REV

REVISIONS					
	8/13/10	TLM	UPDATE	DATA	
	1/19/09	JPM	UPDATE	DATA	
NO.	DATE	BY	DESCRIPTION		
MAP	DRWN	CJC	7/20/05	BASE	DRWN

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TABLES

Table 1, Laboratory Results of
Groundwater Sample Analyses

Table 2, Water Level Measurements

Site Name Williams Field Services/Ignacio Gas Plant
Date August 4, 2010
Project # 03141-0111

Table 1

Laboratory Results of Groundwater Sample Analyses

Colorado E & P Allowable Concentrations		5	1,000	680	10,000	
Well No.	Sample Date	ppb(ug/L)				
		Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX
MW-2	03/21/06	9.6	1.9	3.0	12.2	26.7
	05/05/06	17.6	5.3	2.8	23.2	48.9
	08/01/06	3.5	0.8	0.6	5.2	10.1
	10/31/06	8.0	4.7	2.6	13.4	28.7
	01/23/07	3.4	0.2	< 0.2	3.2	6.8
	07/31/07	0.4	< 0.2	0.2	1.0	1.6
	10/22/07	18.3	< 0.2	0.3	0.6	19.2
	02/11/08	12.2	0.4	< 0.2	0.2	12.8
	04/22/08	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
	07/23/08	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
	10/22/08	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
	01/19/09	2.4	0.7	0.5	1.1	4.7
	04/21/09	2.7	< 0.2	< 0.2	< 0.3	2.7
	07/22/09	4.2	< 0.2	< 0.2	< 0.3	4.2
	09/03/09	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
	10/27/09	5.1	< 0.2	< 0.2	< 0.3	5.1
	02/09/10	6.5	< 0.2	< 0.2	< 0.3	6.5
	05/12/10	2.3	< 0.2	< 0.2	< 0.3	2.3
	08/04/10	5.5	< 0.2	< 0.2	< 0.3	5.5
MW-4	03/21/06	DRY				
	05/05/06	DRY				
	08/01/06	DRY				
	10/31/06	DRY				
	01/23/07	DRY				
	07/31/07	DRY				
	10/22/07	DRY				
	02/11/08	DRY				
	04/22/08	1.0	2.4	< 0.2	1.3	4.7
	07/23/08	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
	10/22/08	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
	01/19/09	2.9	0.8	0.4	1.5	5.6
	04/21/09	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
	07/22/09	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
	09/03/09	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
	10/27/09	DRY				
	02/09/10	DRY				
	05/12/10	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
	08/04/10	< 0.2	0.4	< 0.2	< 0.3	0.4
MW-7	03/21/06	2.7	0.5	1.4	5.0	9.6
	05/05/06	12.2	1.3	1.0	3.2	17.7
	08/01/06	0.7	0.4	1.0	5.0	7.1
	10/31/06	1.3	1.3	0.8	5.3	8.7
	01/23/07	0.3	< 0.2	0.2	1.5	2.0
	07/31/07	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
	10/22/07	0.2	< 0.2	< 0.2	< 0.3	0.2
	02/11/08	< 0.2	0.5	0.2	0.7	1.4
	04/22/08	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
	07/23/08	7.1	0.2	0.2	0.4	7.9
	10/22/08	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
	01/19/09	1.0	0.3	0.4	0.8	2.5
	04/21/09	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
	07/22/09	0.3	0.4	0.3	1.2	2.2
	09/03/09	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
	10/27/09	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
	02/09/10	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
	05/12/10	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
	08/04/10	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9

Site Name Williams Field Services/Ignacio Gas Plant
Date August 4, 2010
Project # 03141-0111

Table 1

Laboratory Results of Groundwater Sample Analyses

Colorado E & P Allowable Concentrations		5	1,000	680	10,000	
Well No.	Sample Date	ppb(ug/L)				
		Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX
MW-8	03/21/06	143	168	9.8	93.5	414
	05/05/06	150	181	10.9	102.8	445
	08/01/06	72.2	103.0	5.2	49.8	230
	10/31/06	89.9	165	7.7	79.1	342
	01/23/07	184	227	8.2	84.0	503
	07/31/07	70.3	37.4	5.6	46.2	159.5
	10/22/07	57.9	14.5	3.7	22.6	98.7
	02/11/08	56.7	11.8	3.3	26.3	98.1
	04/22/08	49.5	8.3	2.8	25.1	85.7
	07/23/08	69.3	6.3	4.6	37.9	118.0
	10/22/08	163.0	4.3	9.6	42.7	220.0
	01/19/09	336.0	5.4	18.7	43.5	404
	04/21/09	454.0	1.8	16.6	30.9	503
	07/22/09	492.0	2.4	12.0	16.9	523.0
	09/03/09	413.0	<0.2	9.1	11.6	433.7
	10/27/09	166.0	3.0	0.7	6.9	177.0
	02/09/10	41.4	4.3	1.2	7.9	54.8
	05/12/10	325.0	0.5	1.5	10.0	337.0
	08/04/10	524.0	5.1	0.2	31.9	561.0
MW-9	03/21/06	89.6	21.7	1.6	6.4	119
	05/05/06	79.5	19.1	0.9	9.2	109
	08/01/06	30.5	1.8	0.9	1.6	35
	10/31/06	52.2	1.4	0.3	< 0.3	53.9
	01/23/07	92.2	25.9	3.5	18.3	140
	07/31/07	22.2	< 0.2	0.2	0.2	22.6
	10/22/07	5.2	< 0.2	< 0.2	< 0.3	5.2
	02/11/08	5.1	0.4	< 0.2	< 0.3	5.5
	04/22/08	25.0	50.8	2.9	26.7	105.0
	07/23/08	<0.2	<0.2	<0.2	<0.3	<0.9
	10/22/08	<0.2	<0.2	<0.2	<0.3	<0.9
	01/19/09	<0.2	<0.2	<0.2	<0.3	<0.9
	04/21/09	1.9	< 0.2	< 0.2	< 0.3	1.9
	07/22/09	5.9	0.2	< 0.2	0.8	6.9
	09/03/09	<0.2	<0.2	<0.2	<0.3	<0.9
	10/27/09	1.3	<0.2	<0.2	<0.3	1.3
	02/09/10	1.2	0.2	<0.2	0.3	1.7
	05/12/10	0.8	<0.2	<0.2	<0.3	0.8
	08/04/10	<0.2	0.4	<0.2	<0.3	0.4
PZ-10	03/21/06	DRY				
	05/05/06	DRY				
	08/01/06	DRY				
	10/31/06	DRY				
	01/23/07	DRY				
	07/31/07	DRY				
	10/22/07	DRY				
	02/11/08	DRY				
	04/22/08	DRY				
	07/23/08	DRY				
	10/22/08	DRY				
	01/19/09	DRY				
	04/21/09	DRY				
	07/22/09	DRY				
	09/03/09	DRY				
	10/27/09	DRY				
	02/09/10	DRY				
	05/12/10	DRY				
	08/04/10	DRY				

Site Name Williams Field Services/Ignacio Gas Plant
Date August 4, 2010
Project # 03141-0111

Table 1

Laboratory Results of Groundwater Sample Analyses

Colorado E & P Allowable Concentrations		5	1,000	680	10,000	
Well No.	Sample Date	ppb(ug/L)				
		Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX
MW-11	03/21/06	DRY				
	05/05/06	DRY				
	08/01/06	DRY				
	10/31/06	INSUFFICIENT WATER TO SAMPLE				
	01/23/07	INSUFFICIENT WATER TO SAMPLE				
	07/31/07	DRY				
	10/22/07	DRY				
	01/30/08	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
	04/22/08	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
	07/23/08	2.2	4.1	0.3	2.0	8.6
	10/22/08	INSUFFICIENT WATER TO SAMPLE				
	01/19/09	INSUFFICIENT WATER TO SAMPLE				
	04/21/09	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
	07/22/09	DRY				
	09/03/09	DRY				
	10/27/09	DRY				
	02/09/10	DRY				
	05/12/10	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
	08/04/10	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
MW-12	03/21/06	0.6	0.6	0.4	1.3	2.9
	05/05/06	3.0	4.3	2.5	40.8	50.6
	08/01/06	1.1	0.8	0.6	2.0	4.5
	10/31/06	15.9	28.3	4.3	14.1	62.6
	01/23/07	0.4	0.3	0.7	9.1	10.5
	07/31/07	< 0.2	< 0.2	< 0.2	0.3	0.3
	10/22/07	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
	01/30/08	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
	04/22/08	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
	07/23/08	0.3	0.3	0.3	0.7	1.6
	10/22/08	< 0.2	< 0.2	0.4	1.1	1.5
	01/19/09	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
	04/21/09	2.6	0.2	0.2	0.2	3.2
	07/22/09	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
	09/03/09	< 0.2	< 0.2	< 0.2	< 0.2	< 0.9
	10/27/09	< 0.2	< 0.2	< 0.2	< 0.2	< 0.9
	02/09/10	< 0.2	< 0.2	< 0.2	< 0.2	< 0.9
	05/12/10	< 0.2	< 0.2	< 0.2	< 0.2	< 0.9
	08/04/10	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
POC-1	03/21/06	< 0.2	0.3	0.4	0.9	1.6
	05/05/06	0.5	0.7	2.5	3.8	7.5
	08/01/06	0.2	0.2	< 0.2	1.5	1.9
	10/31/06	< 0.2	< 0.2	< 0.2	2.2	2.2
	01/23/07	< 0.2	0.2	1.4	8.8	10.4
	07/31/07	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
	10/22/07	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
	02/11/08	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
	04/22/08	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
	07/23/08	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
	10/22/08	< 0.2	< 0.2	< 0.2	< 0.3	< 0.9
	01/19/09	< 0.2	0.2	0.2	1.1	1.5
	04/21/09	< 0.2	< 0.2	< 0.2	< 0.2	< 0.9
	07/22/09	< 0.2	< 0.2	< 0.2	< 0.2	< 0.9
	09/03/09	< 0.2	< 0.2	< 0.2	< 0.2	< 0.9
	10/27/09	< 0.2	< 0.2	< 0.2	< 0.2	< 0.9
	02/09/10	< 0.2	< 0.2	< 0.2	< 0.2	< 0.9
	05/12/10	< 0.2	< 0.2	< 0.2	< 0.2	< 0.9
	08/04/10	< 0.2	0.4	< 0.2	< 0.2	0.4

Site Name	Williams Field Services/Ignacio Plant
Date	August 4, 2010
Project #	03141-0111

Table 2

Water Level Measurements

Well No.	Date of Measurement	pH (su)	Conductivity @ 25 ⁰ C (mmhos/cm)	Top of Casing Elevation (feet)	Depth to Water (feet)	Water Elevation (feet)	Change from Previous Measurement (feet)
MW-2	08/16/05			6552.13	26.06	6526.07	
	03/21/06	6.39	16,660		27.37	6524.76	-1.31
	05/05/06	6.47	15,950		27.57	6524.56	-0.20
	08/01/06	6.50			28.09	6524.04	-0.52
	10/30/06	6.67			27.70	6524.43	0.39
	01/23/07	7.10			24.74	6527.39	2.96
	07/31/07	7.43			27.64	6524.49	-2.90
	10/22/07	6.21			27.64	6524.49	0.00
	02/11/08	6.45			23.33	6528.80	4.31
	04/22/08	5.96			22.30	6529.83	1.03
	07/23/08	6.56			26.20	6525.93	-3.90
	10/22/08	5.97			26.15	6525.98	0.05
	01/19/09	6.68			26.24	6525.89	-0.09
	04/21/09	6.20			25.65	6526.48	0.59
	07/22/09	6.29			27.52	6524.61	-1.87
	09/03/09	6.28			27.90	6524.23	-0.38
	10/27/09	6.51			28.05	6524.08	-0.15
	02/09/10	6.73	13,960		29.25	6522.88	-1.20
	05/12/10	6.32	12,760		25.70	6526.43	3.55
	08/04/10	6.16	15,120		27.31	6524.82	-1.61
MW-4	08/16/05			6559.30	20.12	6539.18	
	03/21/06				dry at 24'		
	05/05/06				dry at 24'		
	08/02/06				dry at 25.5'		
	10/30/06				dry at 25.75'		
	01/23/07				blocked at 4'		
	07/31/07				dry at 25.8'		
	10/22/07				dry at 24.6'		
	02/11/08				dry at 24.75'		
	04/22/08	6.51			19.65	6539.65	
	07/23/08	7.10			19.95	6539.35	0.30
	10/22/08	6.37			20.71	6538.59	-0.76
	01/19/09	7.51			20.28	6539.02	0.43
	04/21/09	6.82			20.31	6538.99	-0.03
	07/22/09	6.67			22.09	6537.21	-1.78
	09/03/09	7.73			25.40	6533.90	-3.31
	10/27/09				dry at 25.5'		
	02/09/10				dry at 25.65'		
	05/12/10	6.98	15,780		21.75	6537.55	
	08/04/10	6.57	>20000		20.36	6538.94	1.39

Site Name	Williams Field Services/Ignacio Plant
Date	August 4, 2010
Project #	03141-0111

Table 2

Water Level Measurements

Well No.	Date of Measurement	pH (su)	Conductivity @ 25 ⁰ C (mmhos/cm)	Top of Casing Elevation (feet)	Depth to Water (feet)	Water Elevation (feet)	Change from Previous Measurement (feet)
MW-7	08/16/05			6559.92	22.12	6537.80	
	03/21/06	6.39	17,610		27.01	6532.91	-4.89
	05/05/06	6.65	18,600		27.24	6532.68	-0.23
	08/02/06	6.78			26.12	6533.80	1.12
	10/30/06	6.78			23.43	6536.49	2.69
	01/23/07	7.19			25.26	6534.66	-1.83
	07/31/07	7.57			25.22	6534.70	0.04
	10/22/07	6.52			23.24	6536.68	1.98
	02/11/08	7.05			22.97	6536.95	0.27
	04/22/08	6.54			20.91	6539.01	2.06
	07/23/08	6.62			21.42	6538.50	-0.51
	10/22/08	7.21			21.50	6538.42	-0.08
	01/19/09	6.64			21.11	6538.81	0.39
	04/21/09	6.52			22.40	6537.52	-1.29
	07/22/09	6.33			24.27	6535.65	-1.87
	09/03/09	6.37			24.79	6535.13	-0.52
	10/27/09	6.55			25.30	6534.62	-0.51
	02/09/10	7.02	10,920		22.45	6537.47	2.85
	05/12/10	6.45	7,840		21.25	6538.67	1.20
	08/04/10	6.40	12,230		22.18	6537.74	-0.93
MW-8	08/16/05			6571.25	22.09	6549.16	
	03/21/06	6.50	32,700		23.08	6548.17	-0.99
	05/05/06	6.66	26,500		22.93	6548.32	0.15
	08/01/06	6.78			23.02	6548.23	-0.09
	10/30/06	7.72			22.05	6549.20	0.97
	01/23/07	7.34			23.01	6548.24	-0.96
	07/31/07	8.01			23.32	6547.93	-0.31
	10/22/07	6.79			23.20	6548.05	0.12
	02/11/08	7.29			22.00	6549.25	1.20
	04/22/08	6.92			21.49	6549.76	0.51
	07/23/08	7.00			22.33	6548.92	-0.84
	10/22/08	7.46			22.74	6548.51	-0.41
	01/19/09	7.40			22.89	6548.36	-0.15
	04/21/09	7.35			22.95	6548.30	-0.06
	07/22/09	7.15			23.34	6547.91	-0.39
	09/03/09	7.00			23.90	6547.35	-0.56
	10/27/09	7.25			23.58	6547.67	0.32
	02/09/10	7.47	3,990		24.00	6547.25	-0.42
	05/12/10	6.81	3,790		22.90	6548.35	1.10
	08/04/10	6.97	4,130		27.96	6543.29	-5.06

Site Name	Williams Field Services/Ignacio Plant
Date	August 4, 2010
Project #	03141-0111

Table 2

Water Level Measurements

Well No.	Date of Measurement	pH (su)	Conductivity @ 25 ⁰ C (mmhos/cm)	Top of Casing Elevation (feet)	Depth to Water (feet)	Water Elevation (feet)	Change from Previous Measurement (feet)
MW-9	08/16/05			6557.48	23.65	6533.83	
	03/21/06	6.27	21,600		26.76	6530.72	-3.11
	05/05/06	6.37	21,700		25.28	6532.20	1.48
	08/01/06	6.24			25.87	6531.61	-0.59
	10/30/06	6.44			24.09	6533.39	1.78
	01/23/07	6.83			24.73	6532.75	-0.64
	07/31/07	6.92			25.74	6531.74	-1.01
	10/22/07	6.49			29.45	6528.03	-3.71
	02/11/08	6.77			28.12	6529.36	1.33
	04/22/08	6.12			22.32	6535.16	5.80
	07/23/08	6.83			24.63	6532.85	-2.31
	10/22/08	6.00			23.22	6534.26	1.41
	01/19/09	6.49			23.09	6534.39	0.13
	04/21/09	6.30			23.00	6534.48	0.09
	07/22/09	6.25			24.03	6533.45	-1.03
	09/03/09	6.34			24.40	6533.08	-0.37
	10/27/09	6.67			24.15	6533.33	0.25
	02/09/10	6.40	7,220		25.45	6532.03	-1.30
	05/12/10	6.26	6,220		22.80	6534.68	2.65
	08/04/10	6.25	6,960		23.80	6533.68	-1.00
PZ-10	08/16/05			6559.75	dry at 12.5'		
	03/21/06				dry at 12.5'		
	05/05/06				dry at 12.5'		
	08/01/06				dry at 12.7'		
	10/30/06				dry at 12.9'		
	01/23/07				dry at 12.93'		
	07/31/07				dry at 12.92'		
	10/22/07				dry at 12.7'		
	02/11/08				dry at 12.75'		
	04/22/08				dry at 12.65'		
	07/23/08				dry		
	10/22/08				dry at 12.65'		
	01/19/09				dry at 12.65'		
	04/21/09				Dry at 12.65'		
	07/22/09				Dry at 12.65'		
	09/03/09				Dry at 12.65'		
	10/27/09				Dry at 12.60'		
	02/09/10				Dry at 12.65'		
	05/12/10				Dry at 12.65'		
	08/04/10				Dry at 12.62'		

Site Name	Williams Field Services/Ignacio Plant
Date	August 4, 2010
Project #	03141-0111

Table 2

Water Level Measurements

Well No.	Date of Measurement	pH (su)	Conductivity @ 25 ⁰ C (mmhos/cm)	Top of Casing Elevation (feet)	Depth to Water (feet)	Water Elevation (feet)	Change from Previous Measurement (feet)
MW-11	08/16/05			6599.56	dry at 30'		
	03/21/06				dry at 30'		
	05/05/06				dry at 30'		
	08/01/06				dry at 33.1'		
	10/30/06				32.78	6566.78	
	01/23/07				33.02	6566.54	-0.24
	07/31/07				dry at 33.1'		
	10/22/07				dry at 32.9'		
	01/30/08	7.11			31.49	6568.07	
	04/22/08	7.29			31.05	6568.51	0.44
	07/23/08	6.90			31.80	6567.76	-0.76
	10/22/08				dry at 32.91		
	01/19/09				dry at 32.9		
	04/21/09	6.97			31.86	6567.70	
	07/22/09				Dry		
	09/03/09				Dry at 32.85'		
	10/27/09				Dry at 32.85'		
	02/09/10				Dry at 32.90'		
	05/12/10	6.67	1,140		31.15	6568.41	
	08/04/10	6.65	1,290		31.71	6567.85	-0.56
MW-12	09/09/05			6624.90	49.53	6575.37	
	03/21/06	8.46	1,620		48.36	6576.54	1.17
	05/05/06	8.31	1,990		48.48	6576.42	-0.12
	08/01/06	8.32			48.44	6576.46	0.04
	10/30/06	9.07			47.49	6577.41	0.95
	01/23/07	9.04			48.16	6576.74	-0.67
	07/31/07	8.46			48.21	6576.69	-0.05
	10/22/07	7.83			48.53	6576.37	-0.32
	01/30/08	7.61			47.86	6577.04	0.67
	04/22/08	8.05			47.08	6577.82	0.78
	07/23/08	7.72			47.18	6577.72	-0.10
	10/22/08	7.74			47.90	6577.00	-0.72
	01/19/09	8.83			48.09	6576.81	-0.19
	04/21/09	7.89			48.19	6576.71	-0.10
	07/22/09	8.52			48.26	6576.64	-0.07
	09/03/09	7.72			48.30	6576.60	-0.04
	10/27/09	7.26			48.12	6576.78	0.18
	02/09/10	7.44	1,590		48.55	6576.35	-0.43
	05/12/10	7.00	1,550		48.00	6576.90	0.55
	08/04/10	8.10	1,670		48.08	6576.82	-0.08

Site Name	Williams Field Services/Ignacio Plant
Date	August 4, 2010
Project #	03141-0111

Table 2

Water Level Measurements

Well No.	Date of Measurement	pH (su)	Conductivity @ 25 ⁰ C (mmhos/cm)	Top of Casing Elevation (feet)	Depth to Water (feet)	Water Elevation (feet)	Change from Previous Measurement (feet)
POC-1	09/08/05			6475.30	18.39	6456.91	
	03/21/06	7.17	2,990		18.36	6456.94	0.03
	05/05/06	7.16	3,590		18.49	6456.81	-0.13
	08/01/06	7.66			18.52	6456.78	-0.03
	10/30/06	7.39			18.50	6456.80	0.02
	01/23/07	7.75			18.70	6456.60	-0.20
	07/31/07	8.29			18.27	6457.03	0.43
	10/22/07	7.10			18.82	6456.48	-0.55
	02/11/08	8.02			18.78	6456.52	0.04
	04/22/08	7.15			17.01	6458.29	1.77
	07/23/08	7.46			18.39	6456.91	-1.38
	10/22/08	6.86			18.72	6456.58	-0.33
	01/19/09	8.16			18.65	6456.65	0.07
	04/21/09	7.17			18.30	6457.00	0.35
	07/22/09	7.33			18.65	6456.65	-0.35
	09/03/09	7.11			18.86	6456.44	-0.21
	10/27/09	7.93			18.95	6456.35	-0.09
	02/09/10	6.31	1,400		18.95	6456.35	0.00
	05/12/10	6.94	1,290		18.45	6456.85	0.50
	08/04/10	6.97	1,230		18.80	6456.50	-0.35

APPENDIX A

Laboratory Certificates of Analyses



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EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Williams	Project #:	03141-0111
Sample ID:	P.O.C.-1	Date Reported:	08-11-10
Chain of Custody:	10138	Date Sampled:	08-04-10
Laboratory Number:	55441	Date Received:	08-04-10
Sample Matrix:	Aqueous	Date Analyzed:	08-09-10
Preservative:	Cool	Analysis Requested:	BTEX
Condition:	Intact		

Parameter	Concentration (ug/L)	Dilution Factor	Det. Limit (ug/L)
Benzene	ND	1	0.2
Toluene	0.4	1	0.2
Ethylbenzene	ND	1	0.2
p,m-Xylene	ND	1	0.2
o-Xylene	ND	1	0.1

Total BTEX 0.4

ND - Parameter not detected at the stated detection limit.

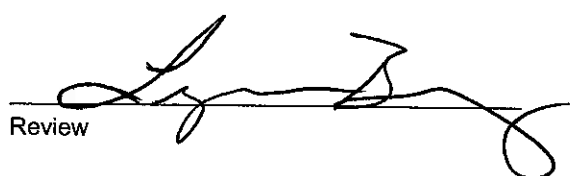
Surrogate Recoveries:	Parameter	Percent Recovery
	fluorobenzene	101 %
	1,4-difluorobenzene	99.9 %
	4-bromochlorobenzene	98.1 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: Ignacio Gas Plant, 3rd Qt Ground Water Monitoring


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EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Williams	Project #:	03141-0111
Sample ID:	MW-9	Date Reported:	08-11-10
Chain of Custody:	10138	Date Sampled:	08-04-10
Laboratory Number:	55442	Date Received:	08-04-10
Sample Matrix:	Aqueous	Date Analyzed:	08-09-10
Preservative:	Cool	Analysis Requested:	BTEX
Condition:	Intact		

Parameter	Concentration (ug/L)	Dilution Factor	Det. Limit (ug/L)
Benzene	ND	1	0.2
Toluene	0.4	1	0.2
Ethylbenzene	ND	1	0.2
p,m-Xylene	ND	1	0.2
o-Xylene	ND	1	0.1

Total BTEX 0.4

ND - Parameter not detected at the stated detection limit.

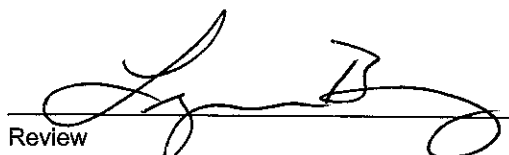
Surrogate Recoveries:	Parameter	Percent Recovery
	fluorobenzene	89.0 %
	1,4-difluorobenzene	85.9 %
	4-bromochlorobenzene	91.1 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: Ignacio Gas Plant, 3rd Qt Ground Water Monitoring


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EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Williams	Project #:	03141-0111
Sample ID:	MW-2	Date Reported:	08-11-10
Chain of Custody:	10138	Date Sampled:	08-04-10
Laboratory Number:	55443	Date Received:	08-04-10
Sample Matrix:	Aqueous	Date Analyzed:	08-09-10
Preservative:	Cool	Analysis Requested:	BTEX
Condition:	Intact		

Parameter	Concentration (ug/L)	Dilution Factor	Def. Limit (ug/L)
Benzene	5.5	1	0.2
Toluene	ND	1	0.2
Ethylbenzene	ND	1	0.2
p,m-Xylene	ND	1	0.2
o-Xylene	ND	1	0.1

Total BTEX 5.5


ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	fluorobenzene	98.1 %
	1,4-difluorobenzene	98.9 %
	4-bromochlorobenzene	99.6 %

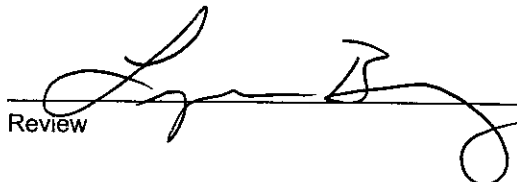
References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: Ignacio Gas Plant, 3rd Qt Ground Water Monitoring



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EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Williams	Project #:	03141-0111
Sample ID:	MW-4	Date Reported:	08-11-10
Chain of Custody:	10138	Date Sampled:	08-04-10
Laboratory Number:	55444	Date Received:	08-04-10
Sample Matrix:	Aqueous	Date Analyzed:	08-09-10
Preservative:	Cool	Analysis Requested:	BTEX
Condition:	Intact		

Parameter	Concentration (ug/L)	Dilution Factor	Det. Limit (ug/L)
Benzene	ND	1	0.2
Toluene	0.4	1	0.2
Ethylbenzene	ND	1	0.2
p,m-Xylene	ND	1	0.2
o-Xylene	ND	1	0.1

Total BTEX 0.4

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	fluorobenzene	100 %
	1,4-difluorobenzene	101 %
	4-bromochlorobenzene	101 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: Ignacio Gas Plant, 3rd Qt Ground Water Monitoring

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EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Williams	Project #:	03141-0111
Sample ID:	MW-11	Date Reported:	08-11-10
Chain of Custody:	10138	Date Sampled:	08-04-10
Laboratory Number:	55447	Date Received:	08-04-10
Sample Matrix:	Aqueous	Date Analyzed:	08-09-10
Preservative:	Cool	Analysis Requested:	BTEX
Condition:	Intact		

Parameter	Concentration (ug/L)	Dilution Factor	Det. Limit (ug/L)
Benzene	ND	1	0.2
Toluene	ND	1	0.2
Ethylbenzene	ND	1	0.2
p,m-Xylene	ND	1	0.2
o-Xylene	ND	1	0.1

Total BTEX ND


ND - Parameter not detected at the stated detection limit.

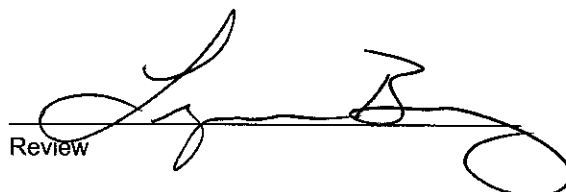
Surrogate Recoveries:	Parameter	Percent Recovery
	fluorobenzene	101 %
	1,4-difluorobenzene	98.6 %
	4-bromochlorobenzene	98.5 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: Ignacio Gas Plant, 3rd Qt Ground Water Monitoring


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**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	Williams	Project #:	03141-0111
Sample ID:	MW-12	Date Reported:	08-11-10
Chain of Custody:	10138	Date Sampled:	08-04-10
Laboratory Number:	55448	Date Received:	08-04-10
Sample Matrix:	Aqueous	Date Analyzed:	08-09-10
Preservative:	Cool	Analysis Requested:	BTEX
Condition:	Intact		

Parameter	Concentration (ug/L)	Dilution Factor	Det. Limit (ug/L)
Benzene	ND	1	0.2
Toluene	ND	1	0.2
Ethylbenzene	ND	1	0.2
p,m-Xylene	ND	1	0.2
o-Xylene	ND	1	0.1

Total BTEX ND

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	fluorobenzene	102 %
	1,4-difluorobenzene	100 %
	4-bromochlorobenzene	101 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: Ignacio Gas Plant, 3rd Qt Ground Water Monitoring


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**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS
QUALITY ASSURANCE REPORT**

Client:	N/A	Project #:	N/A
Sample ID:	0809BBLK QA/QC	Date Reported:	08-11-10
Laboratory Number:	55441	Date Sampled:	N/A
Sample Matrix:	Aqueous	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-09-10
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff.	Blank Conc	Detect. Limit
		Accept. Range 0 - 15%			
Benzene	9.1024E+006	9.1298E+006	0.30%	ND	0.2
Toluene	6.4574E+006	6.4768E+006	0.30%	ND	0.2
Ethylbenzene	4.8682E+006	4.8828E+006	0.30%	ND	0.2
p,m-Xylene	1.1337E+007	1.1371E+007	0.30%	ND	0.2
o-Xylene	3.8497E+006	3.8612E+006	0.30%	ND	0.1

Duplicate Conc. (ug/L)	Sample	Duplicate	%Diff.	Accept Limit
Benzene	ND	ND	0.0%	0 - 30%
Toluene	0.4	0.4	0.0%	0 - 30%
Ethylbenzene	ND	ND	0.0%	0 - 30%
p,m-Xylene	ND	ND	0.0%	0 - 30%
o-Xylene	ND	ND	0.0%	0 - 30%

Spike Conc. (ug/L)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Limits
Benzene	ND	50.0	50.0	100%	39 - 150
Toluene	0.4	50.0	50.3	99.8%	46 - 148
Ethylbenzene	ND	50.0	48.9	97.7%	32 - 160
p,m-Xylene	ND	100	100	100%	46 - 148
o-Xylene	ND	50.0	49.9	99.8%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 55441-55444, 55447-55448
Analyst
Review

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Analytical Laboratory

**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	Williams	Project #:	03141-0111
Sample ID:	MW-7	Date Reported:	08-11-10
Chain of Custody:	10138	Date Sampled:	08-04-10
Laboratory Number:	55445	Date Received:	08-04-10
Sample Matrix:	Aqueous	Date Analyzed:	08-10-10
Preservative:	Cool	Analysis Requested:	BTEX
Condition:	Intact		

Parameter	Concentration (ug/L)	Dilution Factor	Det. Limit (ug/L)
Benzene	ND	1	0.2
Toluene	ND	1	0.2
Ethylbenzene	ND	1	0.2
p,m-Xylene	ND	1	0.2
o-Xylene	ND	1	0.1

Total BTEX ND

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	fluorobenzene	97.5 %
	1,4-difluorobenzene	96.6 %
	4-bromochlorobenzene	99.7 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: Ignacio Gas Plant, 3rd Qt Ground Water Monitoring


Analyst
Review



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Analytical Laboratory

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Williams	Project #:	03141-0111
Sample ID:	MW-8	Date Reported:	08-11-10
Chain of Custody:	10138	Date Sampled:	08-04-10
Laboratory Number:	55446	Date Received:	08-04-10
Sample Matrix:	Aqueous	Date Analyzed:	08-10-10
Preservative:	Cool	Analysis Requested:	BTEX
Condition:	Intact		

Parameter	Concentration (ug/L)	Dilution Factor	Det. Limit (ug/L)
Benzene	524	1	0.2
Toluene	5.1	1	0.2
Ethylbenzene	0.2	1	0.2
p,m-Xylene	28.7	1	0.2
o-Xylene	3.2	1	0.1

Total BTEX 561

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	fluorobenzene	95.6 %
	1,4-difluorobenzene	99.5 %
	4-bromochlorobenzene	102 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: Ignacio Gas Plant, 3rd Qt Ground Water Monitoring

Analyst

Review

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Analytical Laboratory

**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS
QUALITY ASSURANCE REPORT**

Client:	N/A	Project #:	N/A
Sample ID:	0810BBLK QA/QC	Date Reported:	08-11-10
Laboratory Number:	55445	Date Sampled:	N/A
Sample Matrix:	Aqueous	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-10-10
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF: Accept. Range 0 - 15%	%Diff.	Blank Conc	Detect. Limit
Benzene	9.1632E+006	9.1907E+006	0.30%	ND	0.2
Toluene	6.0182E+006	6.0363E+006	0.30%	ND	0.2
Ethylbenzene	4.5620E+006	4.5757E+006	0.30%	ND	0.2
p,m-Xylene	1.0461E+007	1.0492E+007	0.30%	ND	0.2
o-Xylene	3.5103E+006	3.5209E+006	0.30%	ND	0.1

Duplicate Conc. (ug/L)	Sample	Duplicate	%Diff.	Accept Limit
Benzene	ND	ND	0.0%	0 - 30%
Toluene	ND	ND	0.0%	0 - 30%
Ethylbenzene	ND	ND	0.0%	0 - 30%
p,m-Xylene	ND	ND	0.0%	0 - 30%
o-Xylene	ND	ND	0.0%	0 - 30%

Spike Conc. (ug/L)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Limits
Benzene	ND	50.0	50.8	102%	39 - 150
Toluene	ND	50.0	50.9	102%	46 - 148
Ethylbenzene	ND	50.0	49.3	98.7%	32 - 160
p,m-Xylene	ND	100	100	100%	46 - 148
o-Xylene	ND	50.0	50.5	101%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 55445-55446, 55477-55478


Analyst


Review

CHAIN OF CUSTODY RECORD

10138

Client: Williams			Project Name / Location: Ignacio Gas Plant			ANALYSIS / PARAMETERS															
Client Address:			Sampler Name: Rene Garcia Reyes			<div style="position: absolute; top: -20px; left: 50px;">8021B</div> <div style="position: absolute; top: -20px; left: 100px;">8021B</div> <div style="position: absolute; top: -20px; left: 150px;">VOC by USEPA</div>															
Client Phone No.:			Client No.: 03141-0111																		
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative			TPH (Method 8015)	BTEX (Method 8021B)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE	VOC by USEPA	Sample Cool	Sample Intact
P.O.C.-1	8/4/10	11:00	55441	Sludge Solid	2X 40 ml VOC														X	X	X
MW-9		12:00	55442	Sludge Solid															X	X	X
MW-2		13:45	55443	Sludge Solid															X	X	X
MW-4		15:00	55444	Sludge Solid															X	X	X
MW-7		15:40	55445	Sludge Solid															X	X	X
MW-8		16:10	55446	Sludge Solid															X	X	X
MW-11		17:00	55447	Sludge Solid															X	X	X
MW-12		17:30	55448	Sludge Solid															X	X	X
				Sludge Solid																	
				Sludge Solid																	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<i>[Signature]</i>	8/4/10	19:40	<i>Brandy Hene</i>	8/4/10	19:40
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		



APPENDIX B

Field Notes

MONITOR WELL DATA

Date: 8/4/10

Project No: 03141-0111

Project Name: 3rd QTR 6W Sampling

Chain of Custody No: 10138

Location: Ignacio 602 Plant

Project Manager: Toni

Sampler: Reel

MONITOR WELL DATA

[illegible]

Notes: TOC = Top of Casing
Bailed = 3 well volummes:

Bailed = 3 well volumes:

1.25" well = 0.19 gal/ft.

2.00" well = 0.49 gal/ft.

4.00" well = 1.96 gal/ft.

Note well diameter if not one of the above.

Bailed 3 gal,
bailer won't
pass 50 BGS.