2015 ANNUAL GROUNDWATER REPORT

James F. Bell #1E
NMOCD Case#: 3RP-196-0
Meter Code: 94715
T30N, R13W, Sec10, Unit P

SITE DETAILS

Site Location: Latitude: 36.822568 N, Longitude: -108.187110 W
Land Type: Federal
Operator: XTO Energy, Inc.

SITE BACKGROUND

- **Site Assessment:** 3/94
- **Excavation:** 4/94

Environmental Remediation activities at the James F. Bell #1E (Site) are being managed pursuant to the procedures set forth in the document entitled, "Remediation Plan for Groundwater Encountered during Pit Closure Activities" (Remediation Plan, El Paso Natural Gas Company / El Paso Field Services Company, 1995). This Remediation Plan was conditionally approved by the New Mexico Oil Conservation Division (OCD) in correspondence dated November 30, 1995; and the OCD approval conditions were adopted into El Paso CGP Company, LLC's (EPCGP's) program methods. Currently, the Site is operated by XTO Energy, Inc. and is active.

The Site is located on Federal land. Various site investigations have occurred from 1994 through 1999. Monitoring wells were installed in 1995 (MW-1 through MW-4), borings were also advanced in 1995 and 1999 to install monitoring wells but were refused. In 1997 (temporary monitoring wells PZ-01 through PZ-05) were installed and removed. Free product recovery has been periodically conducted since 1997. Currently, groundwater sampling is conducted on a semi-annual basis and free product was observed in well MW-1 in-2015.

SUMMARY OF 2015 ACTIVITIES

On May 27 and November 18, 2015, water levels were gauged at MW-1, MW-2, MW-3, and MW-4 and groundwater samples were collected from each well that did not contain free product using HydraSleeve™ (HydraSleeve) no-purge passive groundwater sampling devices. The HydraSleeves were set during the previous sampling event approximately 0.5 foot above termination depth of the monitoring wells using a suspension tether and stainless steel weights to collect a sample from the screened interval. Groundwater samples were placed into laboratory-supplied sample containers, packed on ice, and shipped under standard chain-of-custody protocols to TestAmerica Laboratories, Inc. in Pensacola, Florida where they were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX). Additional field parameters are collected from the excess sample water recovered by the HydraSleeve. Excess sample water is poured into a YSI multi-parameter instrument sample cup and analyzed. Field parameters include dissolved oxygen, temperature, conductivity, pH, and oxidation-reduction potential. Field parameters are not collected if free product is present. The unused sample water is combined in a waste container and taken to Basin Disposal, Inc. for disposal.

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SUMMARY TABLES

Historic analytical and water level data are summarized in Table 1 and Table 2, respectively. When free product was present, static water level elevations were corrected for measurable thicknesses of free product (specific gravity of 0.75).

SITE MAPS

Groundwater analytical maps (Figures 1 and 3) and groundwater elevation contour maps (Figures 2 and 4) summarize results of the 2015 groundwater sampling and gauging events.

ANALYTICAL LAB REPORTS

The groundwater analytical lab reports are included as Appendix A.

GROUND WATER RESULTS

- The groundwater flow direction is generally to the north-northeast at the Site (see Figures 2 and 4).
- Free product was observed in MW-1 in 2015. No samples were collected.
- Groundwater samples collected in 2015 from MW-3 exceeded the New Mexico Water Quality Control Commission (NMWQCC) standard (10 micrograms per liter [µg/L]) for benzene in groundwater. Benzene was not detected in monitoring wells MW-2, MW-4.
- All site monitoring wells that were sampled in 2015 were either below the NMWQCC standard for toluene in groundwater or not detected.
- All site monitoring wells that were sampled in 2015 were either below the NMWQCC standard for ethylbenzene in groundwater or not detected.
- All site monitoring wells that were sampled in 2015 were either below the NMWQCC standard for total xylenes in groundwater or not detected.

PLANNED FUTURE ACTIVITIES

Future installation of additional monitoring wells is planned for the Site. The wells will be installed to further assess the extent of dissolved-phase hydrocarbons and to confirm and/or further define the groundwater gradient at the Site. Groundwater monitoring events will be conducted on a semi-annual basis. The 2016 Annual Report will be submitted in early 2017.

TABLE

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

James F. Bell #1E					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-1	10/17/95	11200	26400	1540	16500
MW-1	12/11/95	10800	15400	1870	18400
MW-1	12/04/96	10300	33200	1400	15200
MW-1	03/05/97	9850	33400	1370	15200
MW-1	09/29/00	NS	NS	NS	NS
MW-1	02/26/01	NS	NS	NS	NS
MW-1	03/14/01	NS	NS	NS	NS
MW-1	04/06/01	NS	NS	NS	NS
MW-1	06/22/01	NS	NS	NS	NS
MW-1	07/11/01	NS	NS	NS	NS
MW-1	07/26/01	NS	NS	NS	NS
MW-1	08/16/01	NS	NS	NS	NS
MW-1	09/06/01	NS	NS	NS	NS
MW-1	09/17/01	NS	NS	NS	NS
MW-1	12/13/01	NS	NS	NS	NS
MW-1	01/08/02	NS	NS	NS	NS
MW-1	02/28/02	NS	NS	NS	NS
MW-1	03/28/02	NS	NS	NS	NS
MW-1	09/13/02	NS	NS	NS	NS
MW-1	09/19/02	NS	NS	NS	NS
MW-1	12/04/02	NS	NS	NS	NS
MW-1	04/18/03	NS	NS	NS	NS
MW-1	06/19/03	NS	NS	NS	NS
MW-1	09/22/03	NS	NS	NS	NS
MW-1	12/15/03	NS	NS	NS	NS
MW-1	02/27/04	NS	NS	NS	NS
MW-1	03/16/04	NS	NS	NS	NS
MW-1	06/09/04	NS	NS	NS	NS
MW-1	07/26/04	NS	NS	NS	NS
MW-1	09/10/04	NS	NS	NS	NS
MW-1	12/14/04	NS	NS	NS	NS
MW-1	12/18/04	NS	NS	NS	NS
MW-1	03/17/05	NS	NS	NS	NS
MW-1	04/15/05	NS	NS	NS	NS
MW-1	05/17/05	NS	NS	NS	NS
MW-1	06/23/05	NS	NS	NS	NS
MW-1	09/12/05	NS	NS	NS	NS
MW-1	09/13/05	NS	NS	NS	NS
MW-1	10/28/05	NS	NS	NS	NS

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James F. Bell #1E					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-1	11/18/05	NS	NS	NS	NS
MW-1	12/22/05	NS	NS	NS	NS
MW-1	01/18/06	NS	NS	NS	NS
MW-1	02/21/06	NS	NS	NS	NS
MW-1	03/25/06	NS	NS	NS	NS
MW-1	04/28/06	NS	NS	NS	NS
MW-1	05/23/06	NS	NS	NS	NS
MW-1	06/14/06	NS	NS	NS	NS
MW-1	07/21/06	NS	NS	NS	NS
MW-1	08/24/06	NS	NS	NS	NS
MW-1	09/25/06	NS	NS	NS	NS
MW-1	12/27/06	NS	NS	NS	NS
MW-1	03/26/07	NS	NS	NS	NS
MW-1	06/11/07	<1	<1	1360	<2
MW-1	09/18/07	NS	NS	NS	NS
MW-1	03/04/08	NS	NS	NS	NS
MW-1	06/12/08	10000	29700	1550	16800
MW-1	09/08/08	NS	NS	NS	NS
MW-1	12/03/08	NS	NS	NS	NS
MW-1	03/02/09	NS	NS	NS	NS
MW-1	06/03/09	7120	25200	1270	13800
MW-1	08/27/09	NS	NS	NS	NS
MW-1	11/02/09	NS	NS	NS	NS
MW-1	02/11/10	NS	NS	NS	NS
MW-1	05/26/10	8100	26100	1300	14300
MW-1	09/30/10	NS	NS	NS	NS
MW-1	11/01/10	NS	NS	NS	NS
MW-1	02/02/11	NS	NS	NS	NS
MW-1	05/10/11	5630	22600	1630	17600
MW-1	09/26/11	NS	NS	NS	NS
MW-1	11/01/11	NS	NS	NS	NS
MW-1	02/16/12	NS	NS	NS	NS
MW-1	05/08/12	7490	25400	1390	15000
MW-1	06/07/13	8200	31000	1100	15000
MW-1	09/12/13	NS	NS	NS	NS
MW-1	12/13/13	NS	NS	NS	NS
MW-1	04/05/14	NS	NS	NS	NS
MW-1	10/21/14	NS	NS	NS	NS
MW-1	05/27/15	NS	NS	NS	NS
MW-1	05/27/15	NS	NS	NS	NS

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

James F. Bell #1E					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-1	11/18/15	NS	NS	NS	NS
MW-2	12/11/95	94.7	1.4	11.3	31.1
MW-2	12/04/96	2.52	<1	<1	<3
MW-2	03/05/97	1.49	<1	<1	<3
MW-2	10/11/00	200	<0.5	81	28
MW-2	04/06/01	NS	NS	NS	NS
MW-2	06/05/01	NS	NS	NS	NS
MW-2	06/25/01	160	<0.5	77	22
MW-2	12/21/01	NS	NS	NS	NS
MW-2	05/15/02	NS	NS	NS	NS
MW-2	06/05/02	53	<0.5	50	9.7
MW-2	09/06/02	NS	NS	NS	NS
MW-2	09/13/02	NS	NS	NS	NS
MW-2	12/18/02	NS	NS	NS	NS
MW-2	06/19/03	6.5	<1	17.8	1.7
MW-2	09/22/03	NS	NS	NS	NS
MW-2	12/15/03	NS	NS	NS	NS
MW-2	03/16/04	NS	NS	NS	NS
MW-2	06/09/04	<0.5	<0.5	<0.5	<1
MW-2	09/10/04	NS	NS	NS	NS
MW-2	12/14/04	NS	NS	NS	NS
MW-2	03/17/05	NS	NS	NS	NS
MW-2	06/23/05	<1	<1	<1	<2
MW-2	09/13/05	NS	NS	NS	NS
MW-2	10/28/05	NS	NS	NS	NS
MW-2	12/22/05	NS	NS	NS	NS
MW-2	03/25/06	NS	NS	NS	NS
MW-2	06/14/06	<1	<1	<1	<2
MW-2	09/25/06	NS	NS	NS	NS
MW-2	12/27/06	NS	NS	NS	NS
MW-2	03/26/07	NS	NS	NS	NS
MW-2	06/11/07	<1	<1	<1	<2
MW-2	09/18/07	NS	NS	NS	NS
MW-2	03/04/08	NS	NS	NS	NS
MW-2	06/12/08	<1	<1	<1	<2
MW-2	09/08/08	NS	NS	NS	NS
MW-2	12/03/08	NS	NS	NS	NS
MW-2	03/02/09	NS	NS	NS	NS
MW-2	06/03/09	0.3 J	2.1	<1	0.84 J
MW-2	08/27/09	NS	NS	NS	NS
MW-2	11/02/09	NS	NS	NS	NS
MW-2	02/11/10	NS	NS	NS	NS
MW-2	05/26/10	NS	NS	NS	NS
MW-2	09/30/10	NS	NS	NS	NS
MW-2	11/01/10	NS	NS	NS	NS
MW-2	02/02/11	NS	NS	NS	NS
MW-2	05/10/11	NS	NS	NS	NS
MW-2	09/26/11	NS	NS	NS	NS
MW-2	11/01/11	NS	NS	NS	NS
MW-2	02/16/12	NS	NS	NS	NS
MW-2	05/08/12	NS	NS	NS	NS
MW-2	06/07/13	<0.14	<0.30	<0.20	<0.23
MW-2	09/12/13	<0.14	<0.30	<0.20	<0.23
MW-2	12/13/13	<0.20	<0.38	<0.20	<0.65
MW-2	04/05/14	<0.20	<0.38	<0.20	<0.65
MW-2	10/21/14	<0.38	<0.70	<0.50	<1.6
MW-2	05/27/15	<1.0	<5.0	<1.0	<5.0
MW-2	11/18/15	<1.0	<1.0	<1.0	<3.0

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Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-3	12/11/95	1790	10400	1010	8070
MW-3	12/04/96	4210	19200	1140	11700
MW-3	03/05/97	4000	19200	1280	13600
MW-3	03/12/01	NS	NS	NS	NS
MW-3	04/06/01	NS	NS	NS	NS
MW-3	06/05/01	NS	NS	NS	NS
MW-3	06/14/01	NS	NS	NS	NS
MW-3	06/28/01	NS	NS	NS	NS
MW-3	07/06/01	NS	NS	NS	NS
MW-3	07/11/01	NS	NS	NS	NS
MW-3	07/20/01	NS	NS	NS	NS
MW-3	08/02/01	NS	NS	NS	NS
MW-3	08/08/01	NS	NS	NS	NS
MW-3	08/16/01	NS	NS	NS	NS
MW-3	08/20/01	NS	NS	NS	NS
MW-3	08/31/01	NS	NS	NS	NS
MW-3	09/06/01	NS	NS	NS	NS
MW-3	09/17/01	NS	NS	NS	NS
MW-3	09/25/01	NS	NS	NS	NS
MW-3	10/03/01	NS	NS	NS	NS
MW-3	10/11/01	NS	NS	NS	NS
MW-3	12/04/01	NS	NS	NS	NS
MW-3	12/13/01	NS	NS	NS	NS
MW-3	12/21/01	NS	NS	NS	NS
MW-3	12/28/01	NS	NS	NS	NS
MW-3	01/04/02	NS	NS	NS	NS
MW-3	01/08/02	NS	NS	NS	NS
MW-3	01/17/02	NS	NS	NS	NS
MW-3	01/23/02	NS	NS	NS	NS
MW-3	01/31/02	NS	NS	NS	NS
MW-3	02/07/02	NS	NS	NS	NS
MW-3	02/14/02	NS	NS	NS	NS
MW-3	02/20/02	NS	NS	NS	NS
MW-3	02/28/02	NS	NS	NS	NS
MW-3	03/06/02	NS	NS	NS	NS
MW-3	03/11/02	NS	NS	NS	NS
MW-3	03/21/02	NS	NS	NS	NS
MW-3	03/28/02	NS	NS	NS	NS
MW-3	04/04/02	NS	NS	NS	NS
MW-3	04/12/02	NS	NS	NS	NS
MW-3	04/19/02	NS	NS	NS	NS
MW-3	04/25/02	NS	NS	NS	NS
MW-3	05/03/02	NS	NS	NS	NS
MW-3	05/15/02	NS	NS	NS	NS
MW-3	05/24/02	NS	NS	NS	NS
MW-3	05/31/02	NS	NS	NS	NS
MW-3	06/07/02	NS	NS	NS	NS
MW-3	06/14/02	NS	NS	NS	NS
MW-3	06/21/02	NS	NS	NS	NS
MW-3	06/27/02	NS	NS	NS	NS
MW-3	07/02/02	NS	NS	NS	NS
MW-3	07/11/02	NS	NS	NS	NS
MW-3	07/22/02	NS	NS	NS	NS
MW-3	07/25/02	NS	NS	NS	NS
MW-3	07/31/02	NS	NS	NS	NS
MW-3	08/08/02	NS	NS	NS	NS
MW-3	08/16/02	NS	NS	NS	NS
MW-3	08/22/02	NS	NS	NS	NS
MW-3	08/28/02	NS	NS	NS	NS
MW-3	09/06/02	NS	NS	NS	NS
MW-3	09/13/02	NS	NS	NS	NS

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Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-3	09/19/02	NS	NS	NS	NS
MW-3	09/25/02	NS	NS	NS	NS
MW-3	10/04/02	NS	NS	NS	NS
MW-3	10/10/02	NS	NS	NS	NS
MW-3	10/15/02	NS	NS	NS	NS
MW-3	10/23/02	NS	NS	NS	NS
MW-3	10/30/02	NS	NS	NS	NS
MW-3	11/08/02	NS	NS	NS	NS
MW-3	11/21/02	NS	NS	NS	NS
MW-3	12/04/02	NS	NS	NS	NS
MW-3	12/10/02	NS	NS	NS	NS
MW-3	12/18/02	NS	NS	NS	NS
MW-3	12/27/02	NS	NS	NS	NS
MW-3	01/07/03	NS	NS	NS	NS
MW-3	01/22/03	NS	NS	NS	NS
MW-3	01/29/03	NS	NS	NS	NS
MW-3	02/05/03	NS	NS	NS	NS
MW-3	02/12/03	NS	NS	NS	NS
MW-3	02/20/03	NS	NS	NS	NS
MW-3	02/28/03	NS	NS	NS	NS
MW-3	03/02/03	NS	NS	NS	NS
MW-3	03/06/03	NS	NS	NS	NS
MW-3	03/19/03	NS	NS	NS	NS
MW-3	03/26/03	NS	NS	NS	NS
MW-3	04/02/03	NS	NS	NS	NS
MW-3	04/10/03	NS	NS	NS	NS
MW-3	04/18/03	NS	NS	NS	NS
MW-3	04/28/03	NS	NS	NS	NS
MW-3	05/07/03	NS	NS	NS	NS
MW-3	05/13/03	NS	NS	NS	NS
MW-3	05/21/03	NS	NS	NS	NS
MW-3	05/27/03	NS	NS	NS	NS
MW-3	06/03/03	NS	NS	NS	NS
MW-3	06/09/03	NS	NS	NS	NS
MW-3	06/16/03	NS	NS	NS	NS
MW-3	06/19/03	NS	NS	NS	NS
MW-3	06/23/03	NS	NS	NS	NS
MW-3	07/01/03	NS	NS	NS	NS
MW-3	07/10/03	NS	NS	NS	NS
MW-3	07/15/03	NS	NS	NS	NS
MW-3	07/21/03	NS	NS	NS	NS
MW-3	07/29/03	NS	NS	NS	NS
MW-3	08/04/03	NS	NS	NS	NS
MW-3	08/11/03	NS	NS	NS	NS
MW-3	08/18/03	NS	NS	NS	NS
MW-3	08/25/03	NS	NS	NS	NS
MW-3	09/02/03	NS	NS	NS	NS
MW-3	09/08/03	NS	NS	NS	NS
MW-3	09/15/03	NS	NS	NS	NS
MW-3	09/22/03	NS	NS	NS	NS
MW-3	09/29/03	NS	NS	NS	NS
MW-3	10/06/03	NS	NS	NS	NS
MW-3	10/13/03	NS	NS	NS	NS
MW-3	10/20/03	NS	NS	NS	NS
MW-3	10/27/03	NS	NS	NS	NS
MW-3	11/03/03	NS	NS	NS	NS
MW-3	11/10/03	NS	NS	NS	NS
MW-3	11/17/03	NS	NS	NS	NS
MW-3	11/26/03	NS	NS	NS	NS
MW-3	12/04/03	NS	NS	NS	NS
MW-3	12/09/03	NS	NS	NS	NS

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James F. Bell #1E					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-3	12/15/03	NS	NS	NS	NS
MW-3	01/02/04	NS	NS	NS	NS
MW-3	01/11/04	NS	NS	NS	NS
MW-3	01/16/04	NS	NS	NS	NS
MW-3	01/23/04	NS	NS	NS	NS
MW-3	01/30/04	NS	NS	NS	NS
MW-3	02/06/04	NS	NS	NS	NS
MW-3	02/12/04	NS	NS	NS	NS
MW-3	02/18/04	NS	NS	NS	NS
MW-3	02/27/04	NS	NS	NS	NS
MW-3	03/16/04	NS	NS	NS	NS
MW-3	04/13/04	NS	NS	NS	NS
MW-3	05/10/04	NS	NS	NS	NS
MW-3	06/02/04	NS	NS	NS	NS
MW-3	06/09/04	1590	4520	966	1830
MW-3	07/26/04	NS	NS	NS	NS
MW-3	08/16/04	NS	NS	NS	NS
MW-3	09/09/04	NS	NS	NS	NS
MW-3	09/10/04	NS	NS	NS	NS
MW-3	10/11/04	NS	NS	NS	NS
MW-3	11/17/04	NS	NS	NS	NS
MW-3	12/13/04	NS	NS	NS	NS
MW-3	12/14/04	NS	NS	NS	NS
MW-3	01/17/05	NS	NS	NS	NS
MW-3	02/15/05	NS	NS	NS	NS
MW-3	03/16/05	NS	NS	NS	NS
MW-3	03/17/05	NS	NS	NS	NS
MW-3	04/15/05	NS	NS	NS	NS
MW-3	05/17/05	NS	NS	NS	NS
MW-3	06/23/05	2260	1090	1920	24800
MW-3	07/19/05	NS	NS	NS	NS
MW-3	08/22/05	NS	NS	NS	NS
MW-3	09/13/05	NS	NS	NS	NS
MW-3	10/28/05	NS	NS	NS	NS
MW-3	11/18/05	NS	NS	NS	NS
MW-3	12/22/05	NS	NS	NS	NS
MW-3	01/18/06	NS	NS	NS	NS
MW-3	02/21/06	NS	NS	NS	NS
MW-3	03/25/06	NS	NS	NS	NS
MW-3	04/28/06	NS	NS	NS	NS
MW-3	05/23/06	NS	NS	NS	NS
MW-3	06/14/06	795	<50	818	10900
MW-3	09/25/06	NS	NS	NS	NS
MW-3	12/27/06	NS	NS	NS	NS
MW-3	03/26/07	NS	NS	NS	NS
MW-3	06/11/07	868	<10	1490	13900
MW-3	09/18/07	NS	NS	NS	NS
MW-3	03/04/08	NS	NS	NS	NS
MW-3	06/12/08	876	<50	1030	10700
MW-3	09/08/08	NS	NS	NS	NS
MW-3	12/03/08	NS	NS	NS	NS
MW-3	03/02/09	NS	NS	NS	NS
MW-3	06/03/09	549	<25	750	7320
MW-3	08/27/09	NS	NS	NS	NS
MW-3	11/02/09	NS	NS	NS	NS
MW-3	02/11/10	NS	NS	NS	NS
MW-3	05/26/10	517	<50	971	9680
MW-3	09/30/10	NS	NS	NS	NS
MW-3	11/01/10	NS	NS	NS	NS
MW-3	02/02/11	NS	NS	NS	NS
MW-3	05/10/11	402	<10	922	11100

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Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-3	09/26/11	NS	NS	NS	NS
MW-3	11/01/11	NS	NS	NS	NS
MW-3	02/16/12	NS	NS	NS	NS
MW-3	05/08/12	482	10.2 J	1200	9060
MW-3	06/07/13	99	<6.0	250	3900
MW-3	09/12/13	90	<6.0	380	3400
MW-3	12/13/13	89	<6.0	460	4500
MW-3	04/05/14	79	<3.8	400	2900
MW-3	10/21/14	93	<3.5	650	1400
MW-3	05/27/15	56	<50	400	530
MW-3	11/18/15	290	5.5	570	490

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

James F. Bell #1E					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-4	12/11/95	<2.5	<2.5	<2.5	<7.5
MW-4	12/04/96	<1	<1	<1	<3
MW-4	03/05/97	<1	<1	<1	<3
MW-4	10/11/00	<0.5	<0.5	<0.5	<0.5
MW-4	04/06/01	NS	NS	NS	NS
MW-4	06/05/01	NS	NS	NS	NS
MW-4	06/25/01	<0.5	<0.5	<0.5	<0.5
MW-4	12/21/01	NS	NS	NS	NS
MW-4	05/15/02	NS	NS	NS	NS
MW-4	06/05/02	<0.5	<0.5	<0.5	<1
MW-4	09/06/02	NS	NS	NS	NS
MW-4	12/18/02	NS	NS	NS	NS
MW-4	06/19/03	NS	NS	NS	NS
MW-4	09/22/03	NS	NS	NS	NS
MW-4	12/15/03	NS	NS	NS	NS
MW-4	03/16/04	NS	NS	NS	NS
MW-4	06/09/04	NS	NS	NS	NS
MW-4	09/10/04	NS	NS	NS	NS
MW-4	12/14/04	NS	NS	NS	NS
MW-4	03/17/05	NS	NS	NS	NS
MW-4	06/23/05	NS	NS	NS	NS
MW-4	09/13/05	NS	NS	NS	NS
MW-4	12/22/05	NS	NS	NS	NS
MW-4	03/25/06	NS	NS	NS	NS
MW-4	06/14/06	NS	NS	NS	NS
MW-4	09/25/06	NS	NS	NS	NS
MW-4	12/27/06	NS	NS	NS	NS
MW-4	03/26/07	NS	NS	NS	NS
MW-4	06/11/07	NS	NS	NS	NS
MW-4	09/18/07	NS	NS	NS	NS
MW-4	03/04/08	NS	NS	NS	NS
MW-4	06/12/08	NS	NS	NS	NS
MW-4	09/08/08	NS	NS	NS	NS
MW-4	12/03/08	NS	NS	NS	NS
MW-4	03/02/09	NS	NS	NS	NS
MW-4	06/03/09	NS	NS	NS	NS
MW-4	08/27/09	NS	NS	NS	NS
MW-4	11/02/09	NS	NS	NS	NS
MW-4	02/11/10	NS	NS	NS	NS
MW-4	05/26/10	NS	NS	NS	NS
MW-4	09/30/10	NS	NS	NS	NS
MW-4	11/01/10	NS	NS	NS	NS
MW-4	02/02/11	NS	NS	NS	NS
MW-4	05/10/11	NS	NS	NS	NS
MW-4	09/26/11	NS	NS	NS	NS
MW-4	11/01/11	NS	NS	NS	NS
MW-4	02/16/12	NS	NS	NS	NS
MW-4	05/08/12	NS	NS	NS	NS
MW-4	06/07/13	<0.14	<0.30	<0.20	0.24 J
MW-4	09/12/13	<0.14	<0.30	<0.20	<0.23
MW-4	12/13/13	<0.14	<0.30	<0.20	0.36 J
MW-4	04/05/14	<0.20	<0.38	<0.20	1.3 J
MW-4	10/21/14	<0.38	<0.70	<0.50	<1.6
MW-4	05/27/15	<1.0	<5.0	<1.0	<5.0
MW-4	11/18/15	<1.0	<1.0	<1.0	<3.0

Notes:
"µg/L" = micrograms per liter
Results highlighted yellow exceed their respective New Mexico Water Quality Control Commission (NMWQCC) standards.
"J" = Result is less than the reporting limit but greater than or equal to the method detection limit and the result in an approximate value.
"<" = analyte was not detected at the indicated reporting limit (some historic data were reported at the detection limit).
"NS" = Monitoring well not sampled

TABLE 2 - GROUNDWATER ELEVATION RESULTS

James F. Bell #1E						
Location	Date	TOC	Depth to Water (ft.)	Depth to LNAPL (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	10/17/95	5810.88	26.67	NR		5784.21
MW-1	12/11/95	5810.88	26.23	NR		5784.65
MW-1	12/04/96	5810.88	28.00	26.16	1.84	5784.26
MW-1	03/05/97	5810.88	28.47	26.47	2.00	5783.91
MW-1	09/29/00	5810.88	29.09	27.29	1.80	5783.14
MW-1	02/26/01	5810.88	29.06	27.61	1.45	5782.90
MW-1	03/14/01	5810.88	29.60	27.49	2.11	5782.86
MW-1	04/06/01	5810.88	29.08	27.67	1.41	5782.85
MW-1	06/22/01	5810.88	29.57	28.10	1.47	5782.41
MW-1	07/11/01	5810.88	28.95	27.95	1.00	5782.68
MW-1	07/26/01	5810.88	29.51	28.21	1.30	5782.34
MW-1	08/16/01	5810.88	28.49	28.40	0.09	5782.45
MW-1	09/06/01	5810.88	28.46	28.41	0.05	5782.45
MW-1	09/17/01	5810.88	28.46	28.19	0.27	5782.62
MW-1	12/13/01	5810.88	28.50	28.20	0.30	5782.60
MW-1	01/08/02	5810.88	28.54	28.25	0.29	5782.55
MW-1	02/28/02	5810.88	28.62	28.31	0.31	5782.49
MW-1	03/28/02	5810.88	28.64	28.51	0.13	5782.33
MW-1	09/13/02	5810.88	31.17	29.20	1.97	5781.18
MW-1	09/19/02	5810.88	30.82	28.45	2.37	5781.83
MW-1	12/04/02	5810.88	29.07	28.37	0.70	5782.33
MW-1	04/18/03	5810.88	29.29	28.44	0.85	5782.22
MW-1	06/19/03	5810.88	29.41	29.19	0.22	5781.63
MW-1	09/22/03	5810.88	28.64	28.31	0.33	5782.48
MW-1	12/15/03	5810.88	28.24	28.04	0.20	5782.79
MW-1	02/27/04	5810.88	28.21	28.19	0.02	5782.68
MW-1	03/16/04	5810.88	28.13	28.08	0.05	5782.78
MW-1	06/09/04	5810.88	28.27	28.03	0.24	5782.79
MW-1	07/26/04	5810.88	28.48	27.95	0.53	5782.79
MW-1	09/10/04	5810.88	27.89	27.82	0.07	5783.04
MW-1	12/14/04	5810.88	27.68	27.68	0.00	5783.20
MW-1	12/18/04	5810.88	27.71	27.67	0.04	5783.20
MW-1	03/17/05	5810.88	27.83	27.65	0.18	5783.18
MW-1	04/15/05	5810.88	28.03	27.72	0.31	5783.08
MW-1	05/17/05	5810.88	27.78	27.35	0.43	5783.42
MW-1	06/23/05	5810.88	27.23	27.21	0.02	5783.66
MW-1	09/12/05	5810.88	26.56	26.52	0.04	5784.35
MW-1	09/13/05	5810.88	26.56	ND		5784.32
MW-1	10/28/05	5810.88	26.27	ND		5784.61
MW-1	11/18/05	5810.88	26.26	ND		5784.62

TABLE 2 - GROUNDWATER ELEVATION RESULTS

James F. Bell #1E						
Location	Date	TOC	Depth to Water (ft.)	Depth to LNAPL (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	12/22/05	5810.88	26.09	ND		5784.79
MW-1	01/18/06	5810.88	26.02	ND		5784.86
MW-1	02/21/06	5810.88	26.14	ND		5784.74
MW-1	03/25/06	5810.88	26.20	ND		5784.68
MW-1	04/28/06	5810.88	26.34	ND		5784.54
MW-1	05/23/06	5810.88	26.39	ND		5784.49
MW-1	06/14/06	5810.88	26.33	ND		5784.55
MW-1	07/21/06	5810.88	26.38	ND		5784.50
MW-1	08/24/06	5810.88	26.29	ND		5784.59
MW-1	09/25/06	5810.88	26.30	ND		5784.58
MW-1	12/27/06	5810.88	26.08	ND		5784.80
MW-1	03/26/07	5810.88	27.28	ND		5783.60
MW-1	06/11/07	5810.88	26.47	ND		5784.41
MW-1	09/18/07	5810.88	26.38	ND		5784.50
MW-1	03/04/08	5810.88	26.66	ND		5784.22
MW-1	06/12/08	5810.88	26.60	ND		5784.28
MW-1	09/08/08	5810.88	26.29	ND		5784.59
MW-1	12/03/08	5810.88	26.31	ND		5784.57
MW-1	03/02/09	5810.88	26.58	ND		5784.30
MW-1	06/03/09	5810.88	26.86	ND		5784.02
MW-1	08/27/09	5810.88	27.03	ND		5783.85
MW-1	11/02/09	5810.88	26.92	ND		5783.96
MW-1	02/11/10	5810.88	27.15	ND		5783.73
MW-1	05/26/10	5810.88	27.07	26.95	0.12	5783.90
MW-1	09/30/10	5810.88	26.40	ND		5784.48
MW-1	11/01/10	5810.88	26.14	ND		5784.74
MW-1	02/02/11	5810.88	26.18	ND		5784.70
MW-1	05/10/11	5810.88	26.22	ND		5784.66
MW-1	09/26/11	5810.88	25.39	ND		5785.49
MW-1	11/01/11	5810.88	26.26	ND		5784.62
MW-1	02/16/12	5810.88	26.70	ND		5784.18
MW-1	05/08/12	5810.88	26.80	ND		5784.08
MW-1	06/07/13	5810.88	28.77	27.36	1.41	5783.16
MW-1	09/12/13	5810.88	28.95	27.41	1.54	5783.08
MW-1	12/13/13	5810.88	28.62	27.29	1.33	5783.25
MW-1	04/05/14	5810.88	28.98	27.42	1.56	5783.07
MW-1	10/21/14	5810.88	28.50	27.40	1.10	5783.20
MW-1	05/27/15	5810.88	29.29	27.58	1.71	5782.87
MW-1	11/18/15	5810.88	27.22	26.92	0.30	5783.88

TABLE 2 - GROUNDWATER ELEVATION RESULTS

James F. Bell #1E						
Location	Date	TOC	Depth to Water (ft.)	Depth to LNAPL (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-2	12/11/95	5809.46	25.32	NR		5784.14
MW-2	12/04/96	5809.46	26.09	NR		5783.37
MW-2	03/05/97	5809.46	26.30	NR		5783.16
MW-2	10/11/00	5809.46	26.41	NR		5783.05
MW-2	04/06/01	5809.46	26.64	NR		5782.82
MW-2	06/05/01	5809.46	26.81	NR		5782.65
MW-2	06/25/01	5809.46	26.79	NR		5782.67
MW-2	12/21/01	5809.46	26.79	NR		5782.67
MW-2	05/15/02	5809.46	27.02	NR		5782.44
MW-2	06/05/02	5809.46	27.06	NR		5782.40
MW-2	09/06/02	5809.46	27.09	NR		5782.37
MW-2	09/13/02	5809.46	27.07	NR		5782.39
MW-2	12/18/02	5809.46	27.09	NR		5782.37
MW-2	06/19/03	5809.46	27.04	ND		5782.42
MW-2	09/22/03	5809.46	26.82	ND		5782.64
MW-2	12/15/03	5809.46	26.42	ND		5783.04
MW-2	03/16/04	5809.46	26.33	ND		5783.13
MW-2	06/09/04	5809.46	26.34	ND		5783.12
MW-2	09/10/04	5809.46	26.17	ND		5783.29
MW-2	12/14/04	5809.46	26.13	ND		5783.33
MW-2	03/17/05	5809.46	26.14	ND		5783.32
MW-2	06/23/05	5809.46	25.81	ND		5783.65
MW-2	09/13/05	5809.46	25.54	ND		5783.92
MW-2	10/28/05	5809.46	26.43	ND		5783.03
MW-2	12/22/05	5809.46	25.35	ND		5784.11
MW-2	03/25/06	5809.46	25.53	ND		5783.93
MW-2	06/14/06	5809.46	25.66	ND		5783.80
MW-2	09/25/06	5809.46	25.59	ND		5783.87
MW-2	12/27/06	5809.46	25.17	ND		5784.29
MW-2	03/26/07	5809.46	25.40	ND		5784.06
MW-2	06/11/07	5809.46	25.48	ND		5783.98
MW-2	09/18/07	5809.46	25.47	ND		5783.99
MW-2	03/04/08	5809.46	26.72	ND		5782.74
MW-2	06/12/08	5809.46	25.62	ND		5783.84
MW-2	09/08/08	5809.46	26.35	ND		5783.11
MW-2	12/03/08	5809.46	25.45	ND		5784.01
MW-2	03/02/09	5809.46	25.70	ND		5783.76
MW-2	06/03/09	5809.46	25.95	ND		5783.51
MW-2	08/27/09	5809.46	25.97	ND		5783.49
MW-2	11/02/09	5809.46	25.99	ND		5783.47
MW-2	02/11/10	5809.46	26.17	ND		5783.29
MW-2	05/26/10	5809.46	26.07	ND		5783.39
MW-2	09/30/10	5809.46	25.42	ND		5784.04
MW-2	11/01/10	5809.46	25.28	ND		5784.18
MW-2	02/02/11	5809.46	24.32	ND		5785.14
MW-2	05/10/11	5809.46	25.43	ND		5784.03
MW-2	09/26/11	5809.46	25.52	ND		5783.94
MW-2	11/01/11	5809.46	25.56	ND		5783.90
MW-2	02/16/12	5809.46	25.82	ND		5783.64
MW-2	05/08/12	5809.46	26.02	ND		5783.44
MW-2	06/07/13	5809.46	26.53	ND		5782.93
MW-2	09/12/13	5809.46	26.68	ND		5782.78
MW-2	12/13/13	5809.46	26.38	ND		5783.08
MW-2	04/05/14	5809.46	26.37	ND		5783.09
MW-2	10/21/14	5809.46	26.45	ND		5783.01
MW-2	05/27/15	5809.46	26.57	ND		5782.89
MW-2	11/18/15	5809.46	25.90	ND		5783.56

TABLE 2 - GROUNDWATER ELEVATION RESULTS

James F. Bell #1E						
Location	Date	TOC	Depth to Water (ft.)	Depth to LNAPL (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-3	12/11/95	5810.13	26.52	NR		5783.61
MW-3	12/04/96	5810.13	27.72	27.16	0.56	5782.83
MW-3	03/05/97	5810.13	28.87	27.09	1.78	5782.59
MW-3	03/12/01	5810.13	29.18	27.84	1.34	5781.95
MW-3	04/06/01	5810.13	29.27	27.86	1.41	5781.91
MW-3	06/05/01	5810.13	29.48	28.06	1.42	5781.71
MW-3	06/14/01	5810.13	29.41	27.98	1.43	5781.79
MW-3	06/28/01	5810.13	29.57	28.15	1.42	5781.62
MW-3	07/06/01	5810.13	29.41	28.06	1.35	5781.73
MW-3	07/11/01	5810.13	29.61	28.26	1.35	5781.53
MW-3	07/20/01	5810.13	29.43	28.13	1.30	5781.67
MW-3	08/02/01	5810.13	29.50	28.22	1.28	5781.59
MW-3	08/08/01	5810.13	29.40	28.16	1.24	5781.66
MW-3	08/16/01	5810.13	29.46	28.21	1.25	5781.60
MW-3	08/20/01	5810.13	29.61	28.31	1.30	5781.49
MW-3	08/31/01	5810.13	29.47	28.17	1.30	5781.63
MW-3	09/06/01	5810.13	29.62	28.31	1.31	5781.49
MW-3	09/17/01	5810.13	29.62	28.34	1.28	5781.47
MW-3	09/25/01	5810.13	29.48	28.22	1.26	5781.59
MW-3	10/03/01	5810.13	29.47	28.25	1.22	5781.57
MW-3	10/11/01	5810.13	29.50	28.23	1.27	5781.58
MW-3	12/04/01	5810.13	29.89	28.55	1.34	5781.24
MW-3	12/13/01	5810.13	29.89	28.54	1.35	5781.25
MW-3	12/21/01	5810.13	29.63	28.36	1.27	5781.45
MW-3	12/28/01	5810.13	29.68	28.43	1.25	5781.38
MW-3	01/04/02	5810.13	29.63	28.39	1.24	5781.43
MW-3	01/08/02	5810.13	29.59	28.41	1.18	5781.42
MW-3	01/17/02	5810.13	30.00	28.70	1.30	5781.10
MW-3	01/23/02	5810.13	28.71	28.70	0.01	5781.42
MW-3	01/31/02	5810.13	28.70	28.68	0.02	5781.44
MW-3	02/07/02	5810.13	30.00	28.70	1.30	5781.10
MW-3	02/14/02	5810.13	28.80	27.80	1.00	5782.08
MW-3	02/20/02	5810.13	28.76	28.74	0.02	5781.38
MW-3	02/28/02	5810.13	29.82	28.64	1.18	5781.19
MW-3	03/06/02	5810.13	29.72	28.55	1.17	5781.28
MW-3	03/11/02	5810.13	29.90	28.72	1.18	5781.11
MW-3	03/21/02	5810.13	29.82	28.61	1.21	5781.21
MW-3	03/28/02	5810.13	29.74	28.57	1.17	5781.26
MW-3	04/04/02	5810.13	29.84	28.66	1.18	5781.17
MW-3	04/12/02	5810.13	30.28	28.93	1.35	5780.86
MW-3	04/19/02	5810.13	30.25	28.93	1.32	5780.87
MW-3	04/25/02	5810.13	30.24	28.93	1.31	5780.87
MW-3	05/03/02	5810.13	28.96	NR	0.00	5781.17
MW-3	05/15/02	5810.13	29.86	28.69	1.17	5781.14
MW-3	05/24/02	5810.13	29.53	28.53	1.00	5781.35
MW-3	05/31/02	5810.13	29.96	28.72	1.24	5781.10
MW-3	06/07/02	5810.13	29.91	28.72	1.19	5781.11
MW-3	06/14/02	5810.13	30.31	28.97	1.34	5780.82
MW-3	06/21/02	5810.13	30.54	29.32	1.22	5780.50
MW-3	06/27/02	5810.13	30.65	29.30	1.35	5780.49
MW-3	07/02/02	5810.13	30.56	29.25	1.31	5780.55
MW-3	07/11/02	5810.13	30.66	29.31	1.35	5780.48
MW-3	07/22/02	5810.13	30.54	29.17	1.37	5780.61
MW-3	07/25/02	5810.13	30.40	29.25	1.15	5780.59
MW-3	07/31/02	5810.13	30.38	29.04	1.34	5780.75
MW-3	08/08/02	5810.13	30.15	29.13	1.03	5780.74
MW-3	08/16/02	5810.13	35.25	29.30	5.95	5779.34
MW-3	08/22/02	5810.13	30.07	28.74	1.33	5781.05
MW-3	08/28/02	5810.13	29.75	28.78	0.97	5781.10
MW-3	09/06/02	5810.13	30.03	28.98	1.06	5780.89
MW-3	09/13/02	5810.13	29.29	28.63	0.66	5781.33
MW-3	09/19/02	5810.13	30.43	29.42	1.02	5780.46
MW-3	09/25/02	5810.13	30.28	29.40	0.88	5780.51
MW-3	10/04/02	5810.13	30.19	29.35	0.85	5780.57
MW-3	10/10/02	5810.13	30.32	29.46	0.86	5780.46
MW-3	10/15/02	5810.13	30.29	29.50	0.79	5780.43

TABLE 2 - GROUNDWATER ELEVATION RESULTS

James F. Bell #1E						
Location	Date	TOC	Depth to Water (ft.)	Depth to LNAPL (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-3	10/23/02	5810.13	30.32	29.66	0.66	5780.30
MW-3	10/30/02	5810.13	30.58	29.32	1.26	5780.49
MW-3	11/08/02	5810.13	30.58	29.36	1.22	5780.46
MW-3	11/21/02	5810.13	30.45	29.45	1.00	5780.43
MW-3	12/04/02	5810.13	30.47	29.48	0.99	5780.40
MW-3	12/10/02	5810.13	30.23	29.48	0.75	5780.46
MW-3	12/18/02	5810.13	30.28	29.38	0.90	5780.52
MW-3	12/27/02	5810.13	30.21	29.45	0.76	5780.49
MW-3	01/07/03	5810.13	30.26	29.45	0.81	5780.47
MW-3	01/22/03	5810.13	29.46	28.75	0.71	5781.20
MW-3	01/29/03	5810.13	29.34	28.76	0.58	5781.22
MW-3	02/05/03	5810.13	28.77	28.29	0.48	5781.72
MW-3	02/12/03	5810.13	29.33	28.78	0.55	5781.21
MW-3	02/20/03	5810.13	29.33	28.77	0.56	5781.22
MW-3	02/28/03	5810.13	29.31	28.80	0.51	5781.20
MW-3	03/02/03	5810.13	29.27	28.81	0.46	5781.20
MW-3	03/06/03	5810.13	29.31	28.79	0.52	5781.21
MW-3	03/19/03	5810.13	29.30	28.82	0.48	5781.19
MW-3	03/26/03	5810.13	29.33	28.82	0.51	5781.18
MW-3	04/02/03	5810.13	29.33	28.80	0.53	5781.19
MW-3	04/10/03	5810.13	29.32	28.84	0.48	5781.17
MW-3	04/18/03	5810.13	29.29	28.85	0.44	5781.17
MW-3	04/28/03	5810.13	29.19	28.86	0.33	5781.18
MW-3	05/07/03	5810.13	29.25	28.83	0.42	5781.19
MW-3	05/13/03	5810.13	29.27	28.85	0.42	5781.17
MW-3	05/21/03	5810.13	29.29	28.86	0.43	5781.16
MW-3	05/27/03	5810.13	29.21	28.85	0.36	5781.19
MW-3	06/03/03	5810.13	29.23	28.84	0.39	5781.19
MW-3	06/09/03	5810.13	29.20	28.84	0.36	5781.20
MW-3	06/16/03	5810.13	29.20	28.82	0.38	5781.21
MW-3	06/19/03	5810.13	29.16	28.86	0.30	5781.19
MW-3	06/23/03	5810.13	29.23	28.83	0.40	5781.20
MW-3	07/01/03	5810.13	29.85	29.78	0.07	5780.33
MW-3	07/10/03	5810.13	30.39	29.96	0.43	5780.06
MW-3	07/15/03	5810.13	30.29	30.12	0.17	5779.96
MW-3	07/21/03	5810.13	30.24	30.11	0.13	5779.98
MW-3	07/29/03	5810.13	30.14	29.89	0.25	5780.17
MW-3	08/04/03	5810.13	29.94	29.62	0.32	5780.43
MW-3	08/11/03	5810.13	30.09	30.02	0.07	5780.09
MW-3	08/18/03	5810.13	30.09	30.01	0.08	5780.10
MW-3	08/25/03	5810.13	30.09	30.00	0.09	5780.10
MW-3	09/02/03	5810.13	30.12	30.03	0.09	5780.07
MW-3	09/08/03	5810.13	30.15	30.05	0.10	5780.05
MW-3	09/15/03	5810.13	30.05	29.97	0.08	5780.14
MW-3	09/22/03	5810.13	29.14	28.70	0.44	5781.32
MW-3	09/29/03	5810.13	29.98	29.95	0.03	5780.17
MW-3	10/06/03	5810.13	30.00	29.94	0.06	5780.17
MW-3	10/13/03	5810.13	29.95	29.89	0.06	5780.22
MW-3	10/20/03	5810.13	29.86	29.80	0.06	5780.31
MW-3	10/27/03	5810.13	29.85	29.80	0.05	5780.31
MW-3	11/03/03	5810.13	29.83	29.80	0.03	5780.32
MW-3	11/10/03	5810.13	29.66	29.65	0.01	5780.47
MW-3	11/17/03	5810.13	29.32	29.31	0.01	5780.81
MW-3	11/26/03	5810.13	29.32	29.31	0.01	5780.81
MW-3	12/04/03	5810.13	29.23	ND		5780.90
MW-3	12/09/03	5810.13	29.24	ND		5780.89
MW-3	12/15/03	5810.13	28.40	ND		5781.73
MW-3	01/02/04	5810.13	28.42	ND		5781.71
MW-3	01/11/04	5810.13	28.37	28.36	0.01	5781.76
MW-3	01/16/04	5810.13	28.25	28.25	0.00	5781.88
MW-3	01/23/04	5810.13	28.22	ND		5781.91
MW-3	01/30/04	5810.13	28.22	28.22	0.00	5781.90
MW-3	02/06/04	5810.13	28.23	ND		5781.90
MW-3	02/12/04	5810.13	28.20	ND		5781.93
MW-3	02/18/04	5810.13	28.17	ND		5781.96
MW-3	02/27/04	5810.13	28.20	ND		5781.93

TABLE 2 - GROUNDWATER ELEVATION RESULTS

James F. Bell #1E						
Location	Date	TOC	Depth to Water (ft.)	Depth to LNAPL (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-3	03/16/04	5810.13	28.21	ND		5781.92
MW-3	04/13/04	5810.13	28.19	ND		5781.94
MW-3	05/10/04	5810.13	28.22	ND		5781.91
MW-3	06/02/04	5810.13	28.19	ND		5781.94
MW-3	06/09/04	5810.13	28.21	ND		5781.92
MW-3	07/26/04	5810.13	28.08	ND		5782.05
MW-3	08/16/04	5810.13	28.08	ND		5782.05
MW-3	09/09/04	5810.13	28.02	ND		5782.11
MW-3	09/10/04	5810.13	28.03	ND		5782.10
MW-3	10/11/04	5810.13	27.96	ND		5782.17
MW-3	11/17/04	5810.13	27.87	ND		5782.26
MW-3	12/13/04	5810.13	27.87	ND		5782.26
MW-3	12/14/04	5810.13	27.83	ND		5782.30
MW-3	01/17/05	5810.13	27.78	ND		5782.35
MW-3	02/15/05	5810.13	27.74	ND		5782.39
MW-3	03/16/05	5810.13	27.72	ND		5782.41
MW-3	03/17/05	5810.13	27.69	ND		5782.44
MW-3	04/15/05	5810.13	27.69	ND		5782.44
MW-3	05/17/05	5810.13	27.38	ND		5782.75
MW-3	06/23/05	5810.13	27.19	ND		5782.94
MW-3	07/19/05	5810.13	27.07	ND		5783.06
MW-3	08/22/05	5810.13	26.87	ND		5783.26
MW-3	09/13/05	5810.13	26.78	ND		5783.35
MW-3	10/28/05	5810.13	26.43	ND		5783.70
MW-3	11/18/05	5810.13	26.44	ND		5783.69
MW-3	12/22/05	5810.13	26.36	ND		5783.77
MW-3	01/18/06	5810.13	23.36	ND		5786.77
MW-3	02/21/06	5810.13	26.52	ND		5783.61
MW-3	03/25/06	5810.13	26.60	ND		5783.53
MW-3	04/28/06	5810.13	26.73	ND		5783.40
MW-3	05/23/06	5810.13	26.78	ND		5783.35
MW-3	06/14/06	5810.13	26.71	ND		5783.42
MW-3	09/25/06	5810.13	26.34	ND		5783.79
MW-3	12/27/06	5810.13	26.96	ND		5783.17
MW-3	03/26/07	5810.13	26.40	ND		5783.73
MW-3	06/11/07	5810.13	26.42	ND		5783.71
MW-3	09/18/07	5810.13	26.50	ND		5783.63
MW-3	03/04/08	5810.13	26.65	ND		5783.48
MW-3	06/12/08	5810.13	26.42	ND		5783.71
MW-3	09/08/08	5810.13	26.32	ND		5783.81
MW-3	12/03/08	5810.13	26.53	ND		5783.60
MW-3	03/02/09	5810.13	26.75	ND		5783.38
MW-3	06/03/09	5810.13	26.97	ND		5783.16
MW-3	08/27/09	5810.13	26.99	ND		5783.14
MW-3	11/02/09	5810.13	27.04	ND		5783.09
MW-3	02/11/10	5810.13	26.23	ND		5783.90
MW-3	05/26/10	5810.13	26.87	ND		5783.26
MW-3	09/30/10	5810.13	26.25	ND		5783.88
MW-3	11/01/10	5810.13	26.15	ND		5783.98
MW-3	02/02/11	5810.13	26.38	ND		5783.75
MW-3	05/10/11	5810.13	26.45	ND		5783.68
MW-3	09/26/11	5810.13	26.55	ND		5783.58
MW-3	11/01/11	5810.13	26.57	ND		5783.56
MW-3	02/16/12	5810.13	26.88	ND		5783.25
MW-3	05/08/12	5810.13	27.97	ND		5782.16
MW-3	06/07/13	5810.13	27.61	ND		5782.52
MW-3	09/12/13	5810.13	27.69	ND		5782.44
MW-3	12/13/13	5810.13	27.26	ND		5782.87
MW-3	04/05/14	5810.13	27.39	ND		5782.74
MW-3	10/21/14	5810.13	27.51	ND		5782.62
MW-3	05/27/15	5810.13	27.50	ND		5782.63
MW-3	11/18/15	5810.13	26.92	ND		5783.21

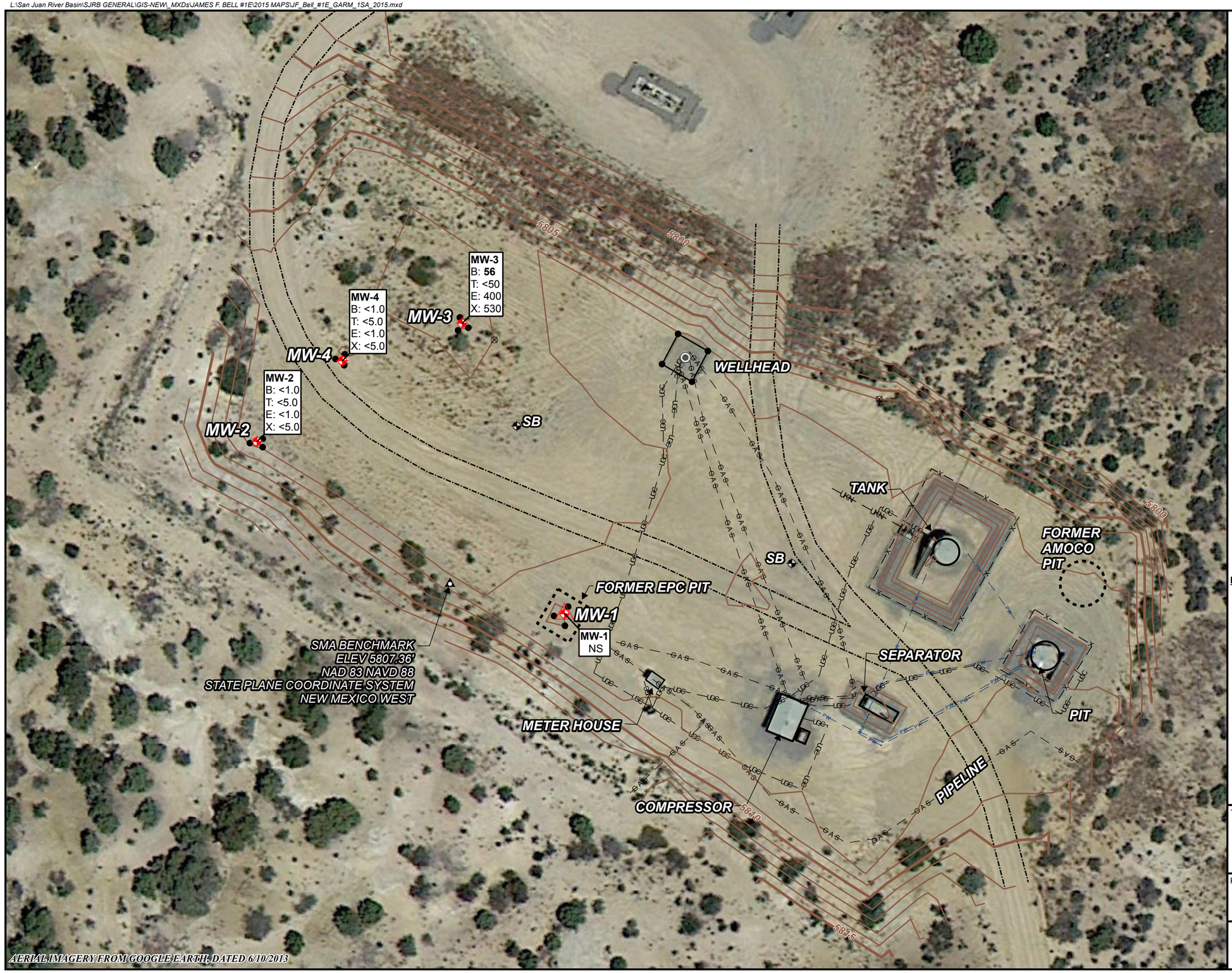
TABLE 2 - GROUNDWATER ELEVATION RESULTS

James F. Bell #1E						
Location	Date	TOC	Depth to Water (ft.)	Depth to LNAPL (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-4	12/11/95	5809.54	25.55	NR		5783.99
MW-4	12/04/96	5809.54	26.27	NR		5783.27
MW-4	03/05/97	5809.54	26.44	NR		5783.10
MW-4	10/11/00	5809.54	26.56	NR		5782.98
MW-4	04/06/01	5809.54	26.82	NR		5782.72
MW-4	06/05/01	5809.54	26.94	NR		5782.60
MW-4	06/25/01	5809.54	26.93	NR		5782.61
MW-4	12/21/01	5809.54	26.92	NR		5782.62
MW-4	05/15/02	5809.54	27.14	NR		5782.40
MW-4	06/05/02	5809.54	27.16	NR		5782.38
MW-4	09/06/02	5809.54	27.19	NR		5782.35
MW-4	12/18/02	5809.54	27.02	NR		5782.52
MW-4	06/19/03	5809.54	26.92	ND		5782.62
MW-4	09/22/03	5809.54	26.83	ND		5782.71
MW-4	12/15/03	5809.54	26.37	ND		5783.17
MW-4	03/16/04	5809.54	26.40	ND		5783.14
MW-4	06/09/04	5809.54	26.41	ND		5783.13
MW-4	09/10/04	5809.54	26.29	ND		5783.25
MW-4	12/14/04	5809.54	26.19	ND		5783.35
MW-4	03/17/05	5809.54	26.23	ND		5783.31
MW-4	06/23/05	5809.54	25.90	ND		5783.64
MW-4	09/13/05	5809.54	25.69	ND		5783.85
MW-4	12/22/05	5809.54	25.49	ND		5784.05
MW-4	03/25/06	5809.54	25.68	ND		5783.86
MW-4	06/14/06	5809.54	25.83	ND		5783.71
MW-4	09/25/06	5809.54	25.67	ND		5783.87
MW-4	12/27/06	5809.54	25.22	ND		5784.32
MW-4	03/26/07	5809.54	25.53	ND		5784.01
MW-4	06/11/07	5809.54	25.60	ND		5783.94
MW-4	09/18/07	5809.54	25.62	ND		5783.92
MW-4	03/04/08	5809.54	25.88	ND		5783.66
MW-4	06/12/08	5809.54	25.64	ND		5783.90
MW-4	09/08/08	5809.54	25.46	ND		5784.08
MW-4	12/03/08	5809.54	25.60	ND		5783.94
MW-4	03/02/09	5809.54	25.85	ND		5783.69
MW-4	06/03/09	5809.54	26.13	ND		5783.41
MW-4	08/27/09	5809.54	26.09	ND		5783.45
MW-4	11/02/09	5809.54	26.13	ND		5783.41
MW-4	02/11/10	5809.54	26.28	ND		5783.26
MW-4	05/26/10	5809.54	26.10	ND		5783.44
MW-4	09/30/10	5809.54	25.47	ND		5784.07
MW-4	11/01/10	5809.54	25.35	ND		5784.19
MW-4	02/02/11	5809.54	24.50	ND		5785.04
MW-4	05/10/11	5809.54	25.57	ND		5783.97
MW-4	09/26/11	5809.54	25.66	ND		5783.88
MW-4	11/01/11	5809.54	25.72	ND		5783.82
MW-4	02/16/12	5809.54	25.95	ND		5783.59
MW-4	05/08/12	5809.54	26.16	ND		5783.38
MW-4	06/07/13	5809.54	26.68	ND		5782.86
MW-4	09/12/13	5809.54	26.78	ND		5782.76
MW-4	12/13/13	5809.54	26.35	ND		5783.19
MW-4	04/05/14	5809.54	26.44	ND		5783.10
MW-4	10/21/14	5809.54	26.56	ND		5782.98
MW-4	05/27/15	5809.54	26.80	ND		5782.74
MW-4	11/18/15	5809.54	26.02	ND		5783.52

Notes:
"ft" = feet
"TOC" = Top of casing
"LNAPL" = Light non-aqueous phase liquid
"ND" = LNAPL not detected
"NR" = LNAPL not recorded

FIGURES

L:\San Juan River Basin\SJRB GENERAL\GIS-NEW_MXDs\JAMES F. BELL #1E\2015 MAPS\JF_Bell_#1E_GARM_1SA_2015.mxd



LEGEND:

- APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FENCE
- NATURAL GAS LINE
- PRODUCED WATER LINE
- UNDERGROUND CABLE
- UNKNOWN BURIED LINE
- BOLLARD
- MONITORING WELL
- MONITORING WELL WITH MEASUREABLE FREE PRODUCT
- RIG ANCHOR
- SMA BENCHMARK
- SOIL BORING

EXPLANATION OF ANALYTES AND APPLICABLE STANDARDS:

RESULTS IN **BOLDFACE** TYPE INDICATE CONCENTRATION IN EXCESS OF THE STANDARD FOR THAT ANALYTE.
NS = NOT SAMPLED
µg/L = MICROGRAMS PER LITER
<1 = BELOW METHOD DETECTION LIMIT

ANALYTE	NMWQCC STANDARDS
B = Benzene	10 µg/L
T = Toluene	750 µg/L
E = Ethylbenzene	750 µg/L
X = Total Xylenes	620 µg/L

N

SCALE IN FEET
0 40 80

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
A	2/15/2016	CCL	CCL	SRV

TITLE:

GROUNDWATER ANALYTICAL RESULTS
MAY 27, 2015

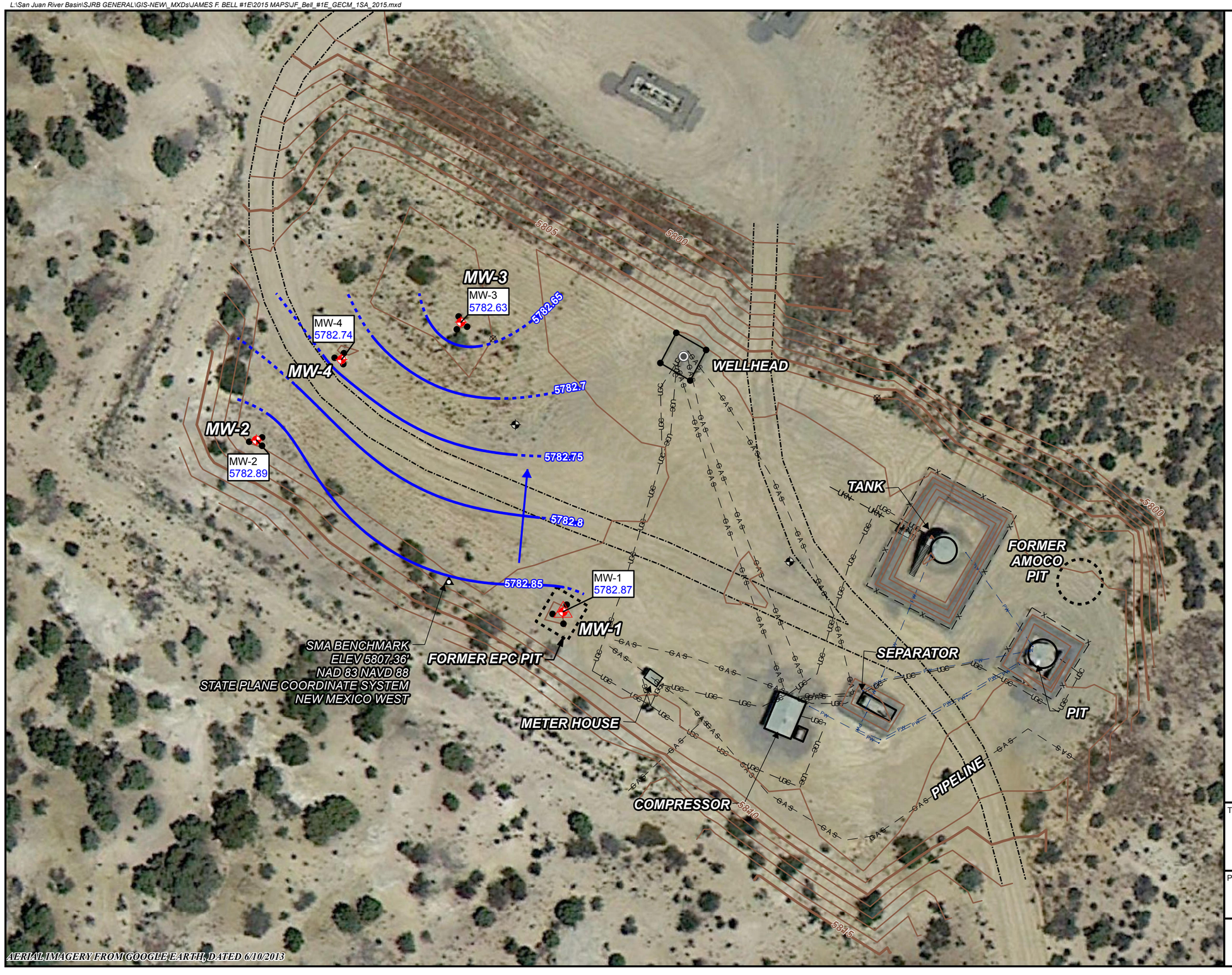
PROJECT:

JAMES F. BELL #1E
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

MWH

Figure No.: 1

L:\San Juan River Basin\SJRB GENERAL\GIS-NEW_MXDs\JAMES F. BELL #1E\2015 MAPS\JF_Bell_#1E_GECM_1SA_2015.mxd



LEGEND:

- 5805 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FENCE
- NATURAL GAS LINE
- PRODUCED WATER LINE
- UGC UNDERGROUND CABLE
- UKN UNKNOWN BURIED LINE
- BOLLARD
- MONITORING WELL
- MONITORING WELL WITH MEASUREABLE FREE PRODUCT
- RIG ANCHOR
- SMA BENCHMARK
- SOIL BORING

NOTES:

5782.87 GROUNDWATER ELEVATION CORRECTED FOR PRODUCT THICKNESS. FEET ABOVE MEAN SEA LEVEL

5782.8 CORRECTED WATER LEVEL ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL, 0.05 FOOT CONTOUR INTERVAL)

DIRECTION OF APPARENT GROUNDWATER FLOW

N

SCALE IN FEET

0 40 80

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
A	2/15/2016	CCL	CCL	SRV

TITLE:

GROUNDWATER ELEVATION MAP
MAY 27, 2015

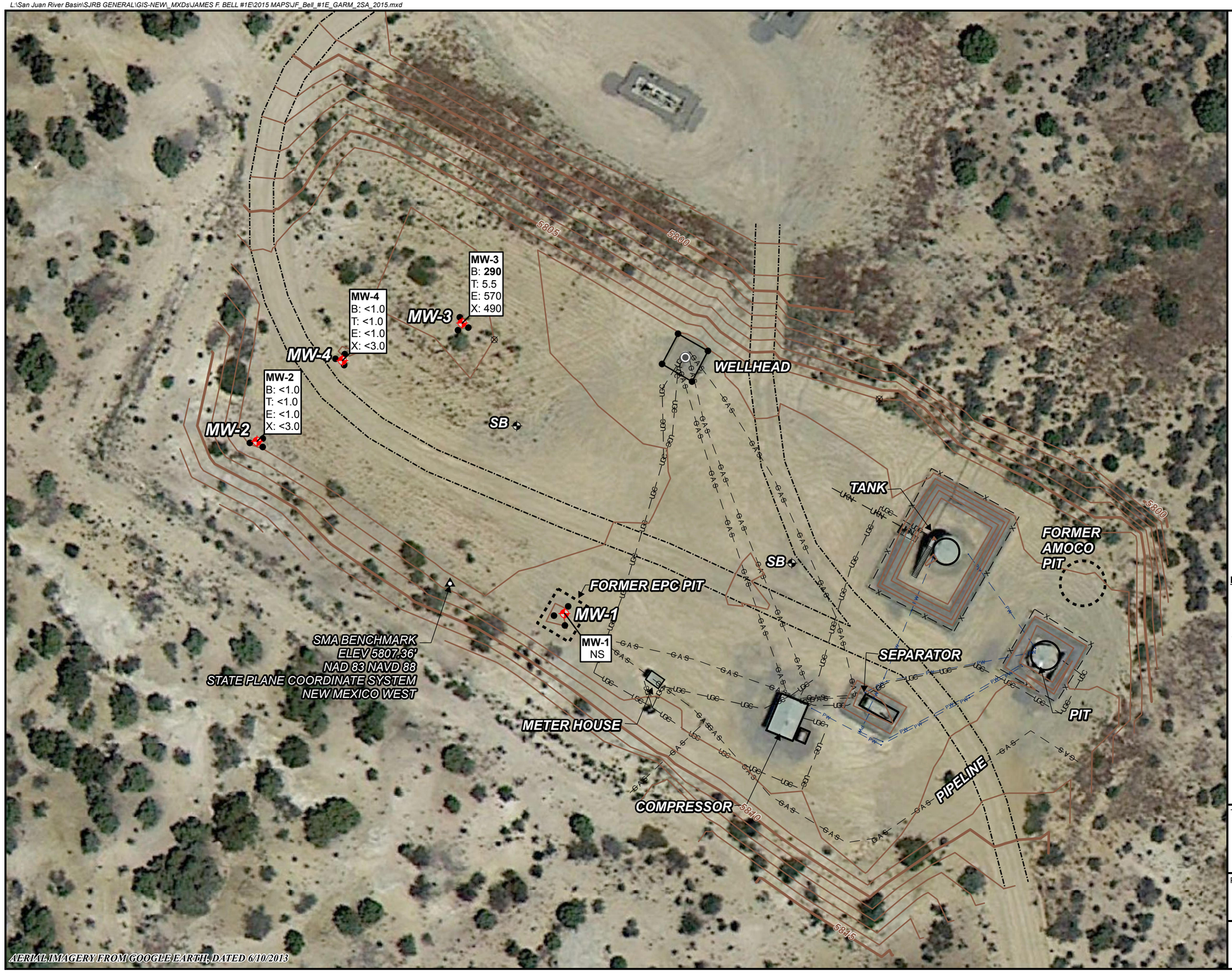
PROJECT:

JAMES F. BELL #1E
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

MWH

Figure No.: 2

L:\San Juan River Basin\SJRB GENERAL\GIS-NEW_MXDs\JAMES F. BELL #1E\2015 MAPS\JF_Bell_#1E_GARM_2SA_2015.mxd



LEGEND:

- 5805 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FENCE
- NATURAL GAS LINE
- PRODUCED WATER LINE
- UGC UNDERGROUND CABLE
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- MONITORING WELL
- MONITORING WELL WITH MEASUREABLE FREE PRODUCT
- RIG ANCHOR
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EXPLANATION OF ANALYTES AND APPLICABLE STANDARDS:

RESULTS IN **BOLDFACE** TYPE INDICATE CONCENTRATION IN EXCESS OF THE STANDARD FOR THAT ANALYTE.
NS = NOT SAMPLED
µg/L = MICROGRAMS PER LITER
<1 = BELOW METHOD DETECTION LIMIT

ANALYTE	NMWQCC STANDARDS
B = Benzene	10 µg/L
T = Toluene	750 µg/L
E = Ethylbenzene	750 µg/L
X = Total Xylenes	620 µg/L

N

SCALE IN FEET
0 40 80

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2/15/2016	CCL	CCL	SRV

TITLE:

GROUNDWATER ANALYTICAL RESULTS
NOVEMBER 18, 2015

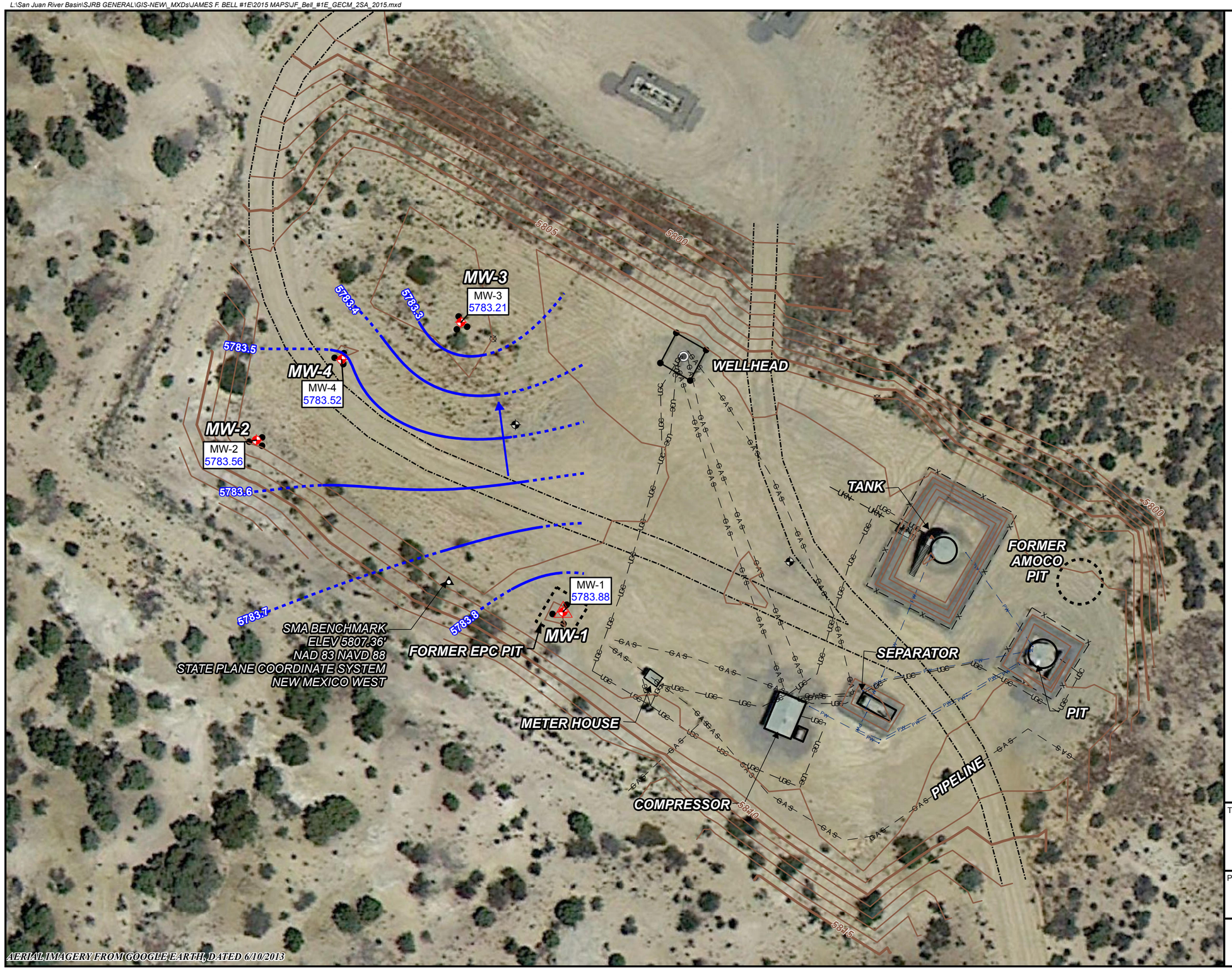
PROJECT:

JAMES F. BELL #1E
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

MWH

Figure No.: 3

L:\San Juan River Basin\SJRB GENERAL\GIS-NEW_MXDs\JAMES F. BELL #1E\2015 MAPS\JF_Bell_#1E_GECM_2SA_2015.mxd



LEGEND:

- 5805 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FENCE
- NATURAL GAS LINE
- PRODUCED WATER LINE
- UGC UNDERGROUND CABLE
- UKN UNKNOWN BURIED LINE
- BOLLARD
- MONITORING WELL
- MONITORING WELL WITH MEASUREABLE FREE PRODUCT
- RIG ANCHOR
- SMA BENCHMARK
- SOIL BORING

NOTES:

5783.88 GROUNDWATER ELEVATION CORRECTED FOR PRODUCT THICKNESS. FEET ABOVE MEAN SEA LEVEL

5783.8 CORRECTED WATER LEVEL ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL, 0.1 FOOT CONTOUR INTERVAL)

DIRECTION OF APPARENT GROUNDWATER FLOW

N

SCALE IN FEET

0 40 80

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2/15/2016	CCL	CCL	SRV

TITLE:

GROUNDWATER ELEVATION MAP
NOVEMBER 18, 2015

PROJECT:

JAMES F. BELL #1E
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

MWH

Figure No.: 4

APPENDIX A

MAY 27, 2015 GROUNDWATER SAMPLING ANALYTICAL REPORT
NOVEMBER 18, 2015 GROUNDWATER SAMPLING ANALYTICAL REPORT

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

TestAmerica Job ID: 400-106332-1
Client Project/Site: NM- GW Pits, James F. Bell #1

For:
MWH Americas Inc
1560 Broadway
Suite 1800
Denver, Colorado 80202

Attn: Ms. Sarah Gardner

Authorized for release by:
6/12/2015 4:51:16 PM

Marty Edwards, Manager of Project Management
(850)474-1001
marty.edwards@testamericainc.com

Table of Contents

Definitions/Glossary

Client: MWH Americas Inc
Project/Site: NM- GW Pits, James F. Bell #1

TestAmerica Job ID: 400-106332-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: MWH Americas Inc
Project/Site: NM- GW Pits, James F. Bell #1

TestAmerica Job ID: 400-106332-1

Job ID: 400-106332-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative
400-106332-1

Comments
No additional comments.

Receipt
The samples were received on 5/30/2015 9:13 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.6º C.

GC VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: MWH Americas Inc
Project/Site: NM- GW Pits, James F. Bell #1

TestAmerica Job ID: 400-106332-1

Client Sample ID: JAMES F. BELL #1E MW-2 — Lab Sample ID: 400-106332-1

No Detections.

Client Sample ID: JAMES F. BELL #1E MW-3 — Lab Sample ID: 400-106332-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	56		10	5.6	ug/L	10		8021B	Total/NA
Ethylbenzene	400		10	6.4	ug/L	10		8021B	Total/NA
Xylenes, Total	530		50	17	ug/L	10		8021B	Total/NA

Client Sample ID: JAMES F. BELL #1E MW-4 — Lab Sample ID: 400-106332-3

No Detections.

Client Sample ID: JAMES F. BELL #1E TRIP BLANK — Lab Sample ID: 400-106332-4

No Detections.

This Detection Summary does not include radiochemical test results.

Sample Summary

Client: MWH Americas Inc
Project/Site: NM- GW Pits, James F. Bell #1

TestAmerica Job ID: 400-106332-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-106332-1	JAMES F. BELL #1E MW-2	Water	05/27/15 16:40	05/30/15 09:13
400-106332-2	JAMES F. BELL #1E MW-3	Water	05/27/15 16:55	05/30/15 09:13
400-106332-3	JAMES F. BELL #1E MW-4	Water	05/27/15 16:45	05/30/15 09:13
400-106332-4	JAMES F. BELL #1E TRIP BLANK	Water	05/27/15 17:00	05/30/15 09:13

Client: MWH Americas Inc
Project/Site: NM- GW Pits, James F. Bell #1

TestAmerica Job ID: 400-106332-1

Client Sample ID: JAMES F. BELL #1E MW-2
Date Collected: 05/27/15 16:40
Date Received: 05/30/15 09:13

Lab Sample ID: 400-106332-1
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	0.56	ug/L			06/03/15 22:32	1
Ethylbenzene	<1.0		1.0	0.64	ug/L			06/03/15 22:32	1
Toluene	<5.0		5.0	0.98	ug/L			06/03/15 22:32	1
Xylenes, Total	<5.0		5.0	1.7	ug/L			06/03/15 22:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (pid)	*107*		*78 - 124*		*06/03/15 22:32*	*1*

Client: MWH Americas Inc
Project/Site: NM- GW Pits, James F. Bell #1

TestAmerica Job ID: 400-106332-1

Client Sample ID: JAMES F. BELL #1E MW-3
Date Collected: 05/27/15 16:55
Date Received: 05/30/15 09:13

Lab Sample ID: 400-106332-2
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**56**		10	5.6	ug/L			06/04/15 03:51	10
Ethylbenzene	**400**		10	6.4	ug/L			06/04/15 03:51	10
Toluene	<50		50	9.8	ug/L			06/04/15 03:51	10
Xylenes, Total	**530**		50	17	ug/L			06/04/15 03:51	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (pid)	*86*		*78 - 124*		*06/04/15 03:51*	*10*

Client Sample ID: JAMES F. BELL #1E MW-4

Lab Sample ID: 400-106332-3

Date Collected: 05/27/15 16:45

Matrix: Water

Date Received: 05/30/15 09:13

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	0.56	ug/L			06/04/15 01:43	1
Ethylbenzene	<1.0		1.0	0.64	ug/L			06/04/15 01:43	1
Toluene	<5.0		5.0	0.98	ug/L			06/04/15 01:43	1
Xylenes, Total	<5.0		5.0	1.7	ug/L			06/04/15 01:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (pid)	*104*		*78 - 124*		*06/04/15 01:43*	*1*

Client: MWH Americas Inc
Project/Site: NM- GW Pits, James F. Bell #1

TestAmerica Job ID: 400-106332-1

Client Sample ID: JAMES F. BELL #1E TRIP BLANK
Date Collected: 05/27/15 17:00
Date Received: 05/30/15 09:13

Lab Sample ID: 400-106332-4
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	0.56	ug/L			06/04/15 04:54	1
Ethylbenzene	<1.0		1.0	0.64	ug/L			06/04/15 04:54	1
Toluene	<5.0		5.0	0.98	ug/L			06/04/15 04:54	1
Xylenes, Total	<5.0		5.0	1.7	ug/L			06/04/15 04:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (pid)	*101*		*78 - 124*		*06/04/15 04:54*	*1*

QC Association Summary

Client: MWH Americas Inc
Project/Site: NM- GW Pits, James F. Bell #1

TestAmerica Job ID: 400-106332-1

GC VOA

Analysis Batch: 259748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-106332-1	JAMES F. BELL #1E MW-2	Total/NA	Water	8021B	
400-106332-2	JAMES F. BELL #1E MW-3	Total/NA	Water	8021B	
400-106332-3	JAMES F. BELL #1E MW-4	Total/NA	Water	8021B	
400-106332-4	JAMES F. BELL #1E TRIP BLANK	Total/NA	Water	8021B	
LCS 400-259748/1012	Lab Control Sample	Total/NA	Water	8021B	
MB 400-259748/3	Method Blank	Total/NA	Water	8021B	

Client: MWH Americas Inc
Project/Site: NM- GW Pits, James F. Bell #1

TestAmerica Job ID: 400-106332-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 400-259748/3
Matrix: Water
Analysis Batch: 259748

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	0.56	ug/L			06/03/15 21:28	1
Ethylbenzene	<1.0		1.0	0.64	ug/L			06/03/15 21:28	1
Toluene	<5.0		5.0	0.98	ug/L			06/03/15 21:28	1
Xylenes, Total	<5.0		5.0	1.7	ug/L			06/03/15 21:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (pid)	*105*		*78 - 124*		*06/03/15 21:28*	*1*

Lab Sample ID: LCS 400-259748/1012
Matrix: Water
Analysis Batch: 259748

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			50.0	52.7		ug/L		105	85 - 115		
Ethylbenzene			50.0	53.2		ug/L		106	85 - 115		
Toluene			50.0	51.5		ug/L		103	85 - 115		
Xylenes, Total			150	159		ug/L		106	85 - 115		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene (pid)	*103*		*78 - 124*

Lab Chronicle

Client: MWH Americas Inc
Project/Site: NM- GW Pits, James F. Bell #1

TestAmerica Job ID: 400-106332-1

Client Sample ID: JAMES F. BELL #1E MW-2

Lab Sample ID: 400-106332-1
Matrix: Water
Date Collected: 05/27/15 16:40
Date Received: 05/30/15 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	259748	06/03/15 22:32	MKA	TAL PEN
	Instrument ID: CH_CAROL									

Client Sample ID: JAMES F. BELL #1E MW-3

Lab Sample ID: 400-106332-2
Matrix: Water
Date Collected: 05/27/15 16:55
Date Received: 05/30/15 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		10	5 mL	5 mL	259748	06/04/15 03:51	MKA	TAL PEN
	Instrument ID: CH_CAROL									

Client Sample ID: JAMES F. BELL #1E MW-4

Lab Sample ID: 400-106332-3
Matrix: Water
Date Collected: 05/27/15 16:45
Date Received: 05/30/15 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	259748	06/04/15 01:43	MKA	TAL PEN
	Instrument ID: CH_CAROL									

Client Sample ID: JAMES F. BELL #1E TRIP BLANK

Lab Sample ID: 400-106332-4
Matrix: Water
Date Collected: 05/27/15 17:00
Date Received: 05/30/15 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	259748	06/04/15 04:54	MKA	TAL PEN
	Instrument ID: CH_CAROL									

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Certification Summary

Client: MWH Americas Inc
Project/Site: NM- GW Pits, James F. Bell #1

TestAmerica Job ID: 400-106332-1

Laboratory: TestAmerica Pensacola

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40150	06-30-15
Arizona	State Program	9	AZ0710	01-11-16
Arkansas DEQ	State Program	6	88-0689	09-01-15
Florida	NELAP	4	E81010	06-30-15
Georgia	State Program	4	N/A	06-30-15
Illinois	NELAP	5	200041	10-09-15
Iowa	State Program	7	367	07-31-16
Kansas	NELAP	7	E-10253	06-30-15 *
Kentucky (UST)	State Program	4	53	06-30-15
Kentucky (WW)	State Program	4	98030	12-31-15
Louisiana	NELAP	6	30976	06-30-15
Maryland	State Program	3	233	09-30-15
Massachusetts	State Program	1	M-FL094	06-30-15
Michigan	State Program	5	9912	06-30-15
New Jersey	NELAP	2	FL006	06-30-15
North Carolina (WW/SW)	State Program	4	314	12-31-15
Oklahoma	State Program	6	9810	08-31-15
Pennsylvania	NELAP	3	68-00467	01-31-16
Rhode Island	State Program	1	LAO00307	12-30-15
South Carolina	State Program	4	96026	06-30-15
Tennessee	State Program	4	TN02907	06-30-15
Texas	NELAP	6	T104704286-12-5	09-30-15
USDA	Federal		P330-13-00193	07-01-16
Virginia	NELAP	3	460166	06-14-15
West Virginia DEP	State Program	3	136	06-30-15

* Certification renewal pending - certification considered valid.

Method Summary

Client: MWH Americas Inc
Project/Site: NM- GW Pits, James F. Bell #1

TestAmerica Job ID: 400-106332-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	TAL PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

400-106332

SERIAL NUMBER: 80227

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001
Fax: 850-478-2671
Website: www.testamericainc.com

QUOTE NO.: | BOTTLE ORDER NO.: | ORDER - LOG-IN NO.: C

CLIENT: MWH
ADDRESS: 1560 Broadway Suite 1800 Denver CO 80202
PAGE 1 OF 1

PROJECT NAME: NM-GW Pits ~~MWS~~ JamesF. Bell #1E
PROJECT NO.: JamesF. Bell #1E
CLIENT PROJECT MANAGER: Steve Varsa
PROJECT LOC. (STATE): NM

SAMPLED BY: Chris Lee / Sarah Gardner
CONTRACT / P.O. NO.: 40005479
CLIENT PHONE: 303 291 2239
CLIENT E-MAIL OR FAX: sarah.gardner@mwhglobal.com

TAT REQUESTED: RUSH NEEDS LAB PREAPPROVAL ☒ NORMAL 10 BUSINESS DAYS
☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☐ 5 DAYS ☐ 20 DAYS (Package) ☐ OTHER:

SAMPLE DISPOSAL: ☐ RETURN TO CLIENT ☒ DISPOSAL BY LAB
☐ SEE CONTRACT ☐ OTHER:

REQUESTED ANALYSIS: 8021B - BTEX

400-106332 COC

POSSIBLE HAZARD IDENTIFICATION
☒ NON-HAZARD
Δ FLAMMABLE
Δ RADIOACTIVE
Δ POISON B
Δ UNKNOWN
Δ OTHER:

NO. OF COOLERS PER SHIPMENT:

SPECIAL INSTRUCTIONS/ CONDITIONS OF RECEIPT

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION		No Preservative	HCL - Hydrochloric Acid	HNO3 - Nitric Acid	H2SO4 - Sulfuric Acid or H3PO4	NAOH - Sodium Hydroxide	CH3OH - Methanol	NAHSO4 - Sodium-Bisulfate	NA2S2O3 - Sodium Thiosulfate	Other:	Drinking Water	Aqueous GW, SW, WW	Solid, Semisolid, Sediment	Air	NonAqueous (Oil, Solvent, etc.)	8021B - BTEX (No. of containers submitted)	LAB USE ONLY - SAMPLE NUMBER
5/27/15	1640	JamesF. Bell #1E	MW-2		X									X				2	
5/27/15	1655	JamesF. Bell #1E	MW-3		X									X				2	
5/27/15	1645	JamesF. Bell #1E	MW-4		X									X				2	
5/27/15	1700	JamesF. Bell #1E	Trip Blank		X									X				2	

RELINQUISHED BY: (SIGNATURE) EMPTY CONTAINERS	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			[signature]	5/29/15	1630			
RECEIVED BY: (SIGNATURE) EMPTY CONTAINERS	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY:	DATE	TIME	CUSTODY INTACT?	CUSTODY SEAL NO.	REMARKS:
[signature]	5/30/15	0913	Δ YES Δ NO		IR6 0.6°C

TAL-8251 (1207)

Login Sample Receipt Checklist

Client: MWH Americas Inc

Job Number: 400-106332-1

Login Number: 106332
List Number: 1
Creator: Crawford, Lauren E

List Source: TestAmerica Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.6°C IR-6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

TestAmerica Job ID: 400-114170-1
Client Project/Site: James F. Bell #1E

For:
MWH Americas Inc
1560 Broadway
Suite 1800
Denver, Colorado 80202

Attn: Ms. Sarah Gardner

Authorized for release by:
11/30/2015 8:46:23 PM

Marty Edwards, Manager of Project Management
(850)474-1001
marty.edwards@testamericainc.com

Table of Contents

Definitions/Glossary

Client: MWH Americas Inc
Project/Site: James F. Bell #1E

TestAmerica Job ID: 400-114170-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: MWH Americas Inc
Project/Site: James F. Bell #1E

TestAmerica Job ID: 400-114170-1

Job ID: 400-114170-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative
400-114170-1

Comments
No additional comments.

Receipt
The samples were received on 11/20/2015 8:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.0º C.

GC VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: MWH Americas Inc
Project/Site: James F. Bell #1E

TestAmerica Job ID: 400-114170-1

Client Sample ID: MW-2 — Lab Sample ID: 400-114170-1

No Detections.

Client Sample ID: MW-3 — Lab Sample ID: 400-114170-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	290		1.0		ug/L	1		8021B	Total/NA
Toluene	5.5		1.0		ug/L	1		8021B	Total/NA
Ethylbenzene	570		10		ug/L	10		8021B	Total/NA
Xylenes, Total	490		3.0		ug/L	1		8021B	Total/NA

Client Sample ID: MW-4 — Lab Sample ID: 400-114170-3

No Detections.

Client Sample ID: TRIP Blank — Lab Sample ID: 400-114170-4

No Detections.

This Detection Summary does not include radiochemical test results.

Sample Summary

Client: MWH Americas Inc
Project/Site: James F. Bell #1E

TestAmerica Job ID: 400-114170-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-114170-1	MW-2	Water	11/18/15 12:30	11/20/15 08:20
400-114170-2	MW-3	Water	11/18/15 12:40	11/20/15 08:20
400-114170-3	MW-4	Water	11/18/15 12:45	11/20/15 08:20
400-114170-4	TRIP Blank	Water	11/18/15 13:00	11/20/15 08:20

Client: MWH Americas Inc
Project/Site: James F. Bell #1E

TestAmerica Job ID: 400-114170-1

Client Sample ID: MW-2
Date Collected: 11/18/15 12:30
Date Received: 11/20/15 08:20

Lab Sample ID: 400-114170-1
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/29/15 10:47	1
Toluene	<1.0		1.0		ug/L			11/29/15 10:47	1
Ethylbenzene	<1.0		1.0		ug/L			11/29/15 10:47	1
Xylenes, Total	<3.0		3.0		ug/L			11/29/15 10:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*97*		*50 - 150*		*11/29/15 10:47*	*1*

Client: MWH Americas Inc
Project/Site: James F. Bell #1E

TestAmerica Job ID: 400-114170-1

Client Sample ID: MW-3
Date Collected: 11/18/15 12:40
Date Received: 11/20/15 08:20

Lab Sample ID: 400-114170-2
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	290		1.0		ug/L			11/29/15 11:19	1
Toluene	5.5		1.0		ug/L			11/29/15 11:19	1
Ethylbenzene	570		10		ug/L			11/29/15 19:09	10
Xylenes, Total	490		3.0		ug/L			11/29/15 11:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*118*		*50 - 150*		*11/29/15 11:19*	*1*
a,a,a-Trifluorotoluene	*98*		*50 - 150*		*11/29/15 19:09*	*10*

Client: MWH Americas Inc
Project/Site: James F. Bell #1E

TestAmerica Job ID: 400-114170-1

Client Sample ID: MW-4
Date Collected: 11/18/15 12:45
Date Received: 11/20/15 08:20

Lab Sample ID: 400-114170-3
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/29/15 11:50	1
Toluene	<1.0		1.0		ug/L			11/29/15 11:50	1
Ethylbenzene	<1.0		1.0		ug/L			11/29/15 11:50	1
Xylenes, Total	<3.0		3.0		ug/L			11/29/15 11:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*94*		*50 - 150*		*11/29/15 11:50*	*1*

Client: MWH Americas Inc
Project/Site: James F. Bell #1E

TestAmerica Job ID: 400-114170-1

Client Sample ID: TRIP Blank — **Lab Sample ID: 400-114170-4**
Date Collected: 11/18/15 13:00 — **Matrix: Water**
Date Received: 11/20/15 08:20

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/28/15 18:19	1
Toluene	<1.0		1.0		ug/L			11/28/15 18:19	1
Ethylbenzene	<1.0		1.0		ug/L			11/28/15 18:19	1
Xylenes, Total	<3.0		3.0		ug/L			11/28/15 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*97*		*50 - 150*		*11/28/15 18:19*	*1*

QC Association Summary

Client: MWH Americas Inc
Project/Site: James F. Bell #1E

TestAmerica Job ID: 400-114170-1

GC VOA

Analysis Batch: 302291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-114170-4	TRIP Blank	Total/NA	Water	8021B	
LCS 490-302291/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 490-302291/4	Lab Control Sample Dup	Total/NA	Water	8021B	
MB 490-302291/19	Method Blank	Total/NA	Water	8021B	
MB 490-302291/6	Method Blank	Total/NA	Water	8021B	

Analysis Batch: 302418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-114170-1	MW-2	Total/NA	Water	8021B	
400-114170-2	MW-3	Total/NA	Water	8021B	
400-114170-2	MW-3	Total/NA	Water	8021B	
400-114170-3	MW-4	Total/NA	Water	8021B	
LCS 490-302418/53	Lab Control Sample	Total/NA	Water	8021B	
LCS 490-302418/58	Lab Control Sample	Total/NA	Water	8021B	
LCSD 490-302418/59	Lab Control Sample Dup	Total/NA	Water	8021B	
MB 490-302418/2	Method Blank	Total/NA	Water	8021B	
MB 490-302418/46	Method Blank	Total/NA	Water	8021B	

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 490-302291/19
Matrix: Water
Analysis Batch: 302291

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/28/15 23:33	1
Toluene	<1.0		1.0		ug/L			11/28/15 23:33	1
Ethylbenzene	<1.0		1.0		ug/L			11/28/15 23:33	1
Xylenes, Total	<3.0		3.0		ug/L			11/28/15 23:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*100*		*50 - 150*		*11/28/15 23:33*	*1*

Lab Sample ID: MB 490-302291/6
Matrix: Water
Analysis Batch: 302291

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/28/15 16:45	1
Toluene	<1.0		1.0		ug/L			11/28/15 16:45	1
Ethylbenzene	<1.0		1.0		ug/L			11/28/15 16:45	1
Xylenes, Total	<3.0		3.0		ug/L			11/28/15 16:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*101*		*50 - 150*		*11/28/15 16:45*	*1*

Lab Sample ID: LCS 490-302291/3
Matrix: Water
Analysis Batch: 302291

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			100	99.5		ug/L		99	69 - 129		
Toluene			100	101		ug/L		101	66 - 127		
Ethylbenzene			100	105		ug/L		105	70 - 130		
Xylenes, Total			300	312		ug/L		104	69 - 123		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*102*		*50 - 150*

Lab Sample ID: LCSD 490-302291/4
Matrix: Water
Analysis Batch: 302291

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			100	101		ug/L		101	69 - 129	2	33
Toluene			100	103		ug/L		103	66 - 127	1	34
Ethylbenzene			100	106		ug/L		106	70 - 130	1	35
Xylenes, Total			300	316		ug/L		105	69 - 123	1	37

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*104*		*50 - 150*

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 490-302418/2
Matrix: Water
Analysis Batch: 302418

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/29/15 06:36	1
Toluene	<1.0		1.0		ug/L			11/29/15 06:36	1
Ethylbenzene	<1.0		1.0		ug/L			11/29/15 06:36	1
Xylenes, Total	<3.0		3.0		ug/L			11/29/15 06:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*99*		*50 - 150*		*11/29/15 06:36*	*1*

Lab Sample ID: MB 490-302418/46
Matrix: Water
Analysis Batch: 302418

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/29/15 13:24	1
Toluene	<1.0		1.0		ug/L			11/29/15 13:24	1
Ethylbenzene	<1.0		1.0		ug/L			11/29/15 13:24	1
Xylenes, Total	<3.0		3.0		ug/L			11/29/15 13:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*100*		*50 - 150*		*11/29/15 13:24*	*1*

Lab Sample ID: LCS 490-302418/53
Matrix: Water
Analysis Batch: 302418

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			100	96.3		ug/L		96	69 - 129		
Toluene			100	98.4		ug/L		98	66 - 127		
Ethylbenzene			100	103		ug/L		103	70 - 130		
Xylenes, Total			300	304		ug/L		101	69 - 123		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*106*		*50 - 150*

Lab Sample ID: LCS 490-302418/58
Matrix: Water
Analysis Batch: 302418

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			100	95.1		ug/L		95	69 - 129		
Toluene			100	96.6		ug/L		97	66 - 127		
Ethylbenzene			100	100		ug/L		100	70 - 130		
Xylenes, Total			300	297		ug/L		99	69 - 123		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*93*		*50 - 150*

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 490-302418/59
Matrix: Water
Analysis Batch: 302418

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			100	91.8		ug/L		92	69 - 129	4	33
Toluene			100	94.7		ug/L		95	66 - 127	2	34
Ethylbenzene			100	95.9		ug/L		96	70 - 130	4	35
Xylenes, Total			300	286		ug/L		95	69 - 123	4	37

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*98*		*50 - 150*

Lab Chronicle

Client: MWH Americas Inc
Project/Site: James F. Bell #1E

TestAmerica Job ID: 400-114170-1

Client Sample ID: MW-2
Date Collected: 11/18/15 12:30
Date Received: 11/20/15 08:20

Lab Sample ID: 400-114170-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	302418	11/29/15 10:47	BK	TAL NSH
	Instrument ID: HP62									

Client Sample ID: MW-3
Date Collected: 11/18/15 12:40
Date Received: 11/20/15 08:20

Lab Sample ID: 400-114170-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	302418	11/29/15 11:19	BK	TAL NSH
	Instrument ID: HP62									
Total/NA	Analysis	8021B		10	5 mL	5 mL	302418	11/29/15 19:09	BK	TAL NSH
	Instrument ID: HP62									

Client Sample ID: MW-4
Date Collected: 11/18/15 12:45
Date Received: 11/20/15 08:20

Lab Sample ID: 400-114170-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	302418	11/29/15 11:50	BK	TAL NSH
	Instrument ID: HP62									

Client Sample ID: TRIP Blank
Date Collected: 11/18/15 13:00
Date Received: 11/20/15 08:20

Lab Sample ID: 400-114170-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	302291	11/28/15 18:19	BK	TAL NSH
	Instrument ID: HP62									

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: MWH Americas Inc
Project/Site: James F. Bell #1E

TestAmerica Job ID: 400-114170-1

Laboratory: TestAmerica Pensacola

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40150	11-30-15 *
Arizona	State Program	9	AZ0710	01-11-16
Arkansas DEQ	State Program	6	88-0689	09-01-16
Florida	NELAP	4	E81010	06-30-16
Georgia	State Program	4	N/A	06-30-16
Illinois	NELAP	5	200041	10-09-16
Iowa	State Program	7	367	07-31-16
Kansas	NELAP	7	E-10253	01-31-16 *
Kentucky (UST)	State Program	4	53	06-30-16
Kentucky (WW)	State Program	4	98030	12-31-15
Louisiana	NELAP	6	30976	06-30-16
Maryland	State Program	3	233	09-30-16
Massachusetts	State Program	1	M-FL094	06-30-16
Michigan	State Program	5	9912	06-30-16
New Jersey	NELAP	2	FL006	06-30-16
North Carolina (WW/SW)	State Program	4	314	12-31-15
Oklahoma	State Program	6	9810	08-31-16
Pennsylvania	NELAP	3	68-00467	01-31-16
Rhode Island	State Program	1	LAO00307	12-30-15
South Carolina	State Program	4	96026	06-30-16
Tennessee	State Program	4	TN02907	06-30-16
Texas	NELAP	6	T104704286-15-9	09-30-16
USDA	Federal		P330-13-00193	07-01-16
Virginia	NELAP	3	460166	06-14-16
West Virginia DEP	State Program	3	136	06-30-16

Laboratory: TestAmerica Nashville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	A2LA		NA: NELAP & A2LA	12-31-15
A2LA	ISO/IEC 17025		0453.07	12-31-15
Alaska (UST)	State Program	10	UST-087	07-24-16
Arizona	State Program	9	AZ0473	05-05-16
Arkansas DEQ	State Program	6	88-0737	04-25-16
California	State Program	9	2938	10-31-16
Connecticut	State Program	1	PH-0220	12-31-15
Florida	NELAP	4	E87358	06-30-16
Georgia	State Program	4	N/A	06-30-16
Illinois	NELAP	5	200010	12-09-15 *
Iowa	State Program	7	131	04-01-16
Kansas	NELAP	7	E-10229	01-31-16
Kentucky (UST)	State Program	4	19	06-30-16
Kentucky (WW)	State Program	4	90038	12-31-15
Louisiana	NELAP	6	30613	06-30-16
Maine	State Program	1	TN00032	11-03-17
Maryland	State Program	3	316	03-31-16
Massachusetts	State Program	1	M-TN032	06-30-16
Minnesota	NELAP	5	047-999-345	12-31-16
Mississippi	State Program	4	N/A	06-30-16

* Certification renewal pending - certification considered valid.

Certification Summary

Client: MWH Americas Inc
Project/Site: James F. Bell #1E

TestAmerica Job ID: 400-114170-1

Laboratory: TestAmerica Nashville (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Montana (UST)	State Program	8	NA	02-24-20
Nevada	State Program	9	TN00032	07-31-16
New Hampshire	NELAP	1	2963	10-09-16
New Jersey	NELAP	2	TN965	11-30-15 *
New York	NELAP	2	11342	03-31-16
North Carolina (WW/SW)	State Program	4	387	12-31-15
North Dakota	State Program	8	R-146	06-30-16
Ohio VAP	State Program	5	CL0033	07-10-17
Oklahoma	State Program	6	9412	08-31-16
Oregon	NELAP	10	TN200001	04-27-16
Pennsylvania	NELAP	3	68-00585	06-30-16
Rhode Island	State Program	1	LAO00268	12-30-15
South Carolina	State Program	4	84009 (001)	02-28-16
South Carolina (Do Not Use - DW)	State Program	4	84009 (002)	12-16-17
Tennessee	State Program	4	2008	02-23-17
Texas	NELAP	6	T104704077	08-31-16
USDA	Federal		S-48469	10-30-16
Utah	NELAP	8	TN00032	07-31-16
Virginia	NELAP	3	460152	06-14-16
Washington	State Program	10	C789	07-19-16
West Virginia DEP	State Program	3	219	02-28-16
Wisconsin	State Program	5	998020430	08-31-16
Wyoming (UST)	A2LA	8	453.07	12-31-15

* Certification renewal pending - certification considered valid.

Method Summary

Client: MWH Americas Inc
Project/Site: James F. Bell #1E

TestAmerica Job ID: 400-114170-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

TestAmerica Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone (850) 474-1001 Fax (850) 478-2671

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Chris Lee	Lab PM: Edwards, Marty P	Carrier Tracking No(s):	COC No: 400-50151-21717.1
Client Contact: Ms. Sarah Gardner	Phone: 303 291-2242	E-Mail: marty.edwards@testamericainc.com		Page: Page 1 of 1
Company: MWH Americas Inc				Job #:
Address: 1560 Broadway Suite 1800	Due Date Requested:			
City: Denver	TAT Requested (days): STANDARD			
State, Zip: CO, 80202				
Phone: 303-291-2239(Tel)	PO #: Purchase Order Requested			
Email: sarah.gardner@mwhglobal.com	WO #:			
Project Name: James F. Bell #1E	Project #: 40005479			
Site: JF Bell	SSOW#:			

Analysis Requested

400-114170 COC

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	8021B - BTEX 8021	Total Number of containers	Special Instructions/Note:
Preservation Code:					X	X		
				Water		X X X		
MW-2	11/18/15	1230	G	Water		2	2	
MW-3	11/18/15	1240	G	Water		2	2	
MW-4	11/18/15	1245	G	Water		2	2	
TRIP	11/18/15	1300	G	Water		2	2	

Possible Hazard Identification
X Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client X Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:				
Relinquished by: Chris Lee	Date/Time: 11/19/15 1200	Company MWH	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 11/20/15 0820	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 1.2S 6.0

Login Sample Receipt Checklist

Client: MWH Americas Inc

Job Number: 400-114170-1

Login Number: 114170
List Number: 1
Creator: Menoher, Rachel C

List Source: TestAmerica Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C IR-5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: MWH Americas Inc

Job Number: 400-114170-1

Login Number: 114170
List Number: 2
Creator: Huskey, Adam

List Source: TestAmerica Nashville
List Creation: 11/24/15 09:17 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	