

2014 ANNUAL PROJECT SUMMARY TABLE

Incident Date	Remediation No.	Well Name	API	Status	NFA Submitted	NFA Approved Date	Site Summary (monitoring/remediation/ wells installed or destroyed)	Wells Sampled (Last Quarter) 2014	Wells Exceeding 5 ug/L Benzene (Last Quarter Sampled 2014)	Benzene Range (ug/L) (Last Quarter 2014)	POC Established	2015 Recommendations	Well Reduction Request
1/8/2004	3281	HSR-Vasser 8-30/ HSR-Schreiber 1-30	05-123-15484	Remediation	NO	NA	Quarterly groundwater monitoring since April 2004. MW06 destroyed in October 2005. MW05 destroyed in April 2006. MW07, MW08, MW09, and MW16 were removed from the monitoring program in 2011. MW12 destroyed in January 2012. Carbon slurry (BOS 200) injection completed in September 2014.	MW01-MW04, MW10, MW11, MW12R, MW13-MW15	MW02	ND - 96	YES	Quarterly groundwater monitoring will continue.	MW12R, MW15

Notes:
NA - Not Applicable
ND - Non-Detect
NFA - No Further Action
POC - Point of Compliance

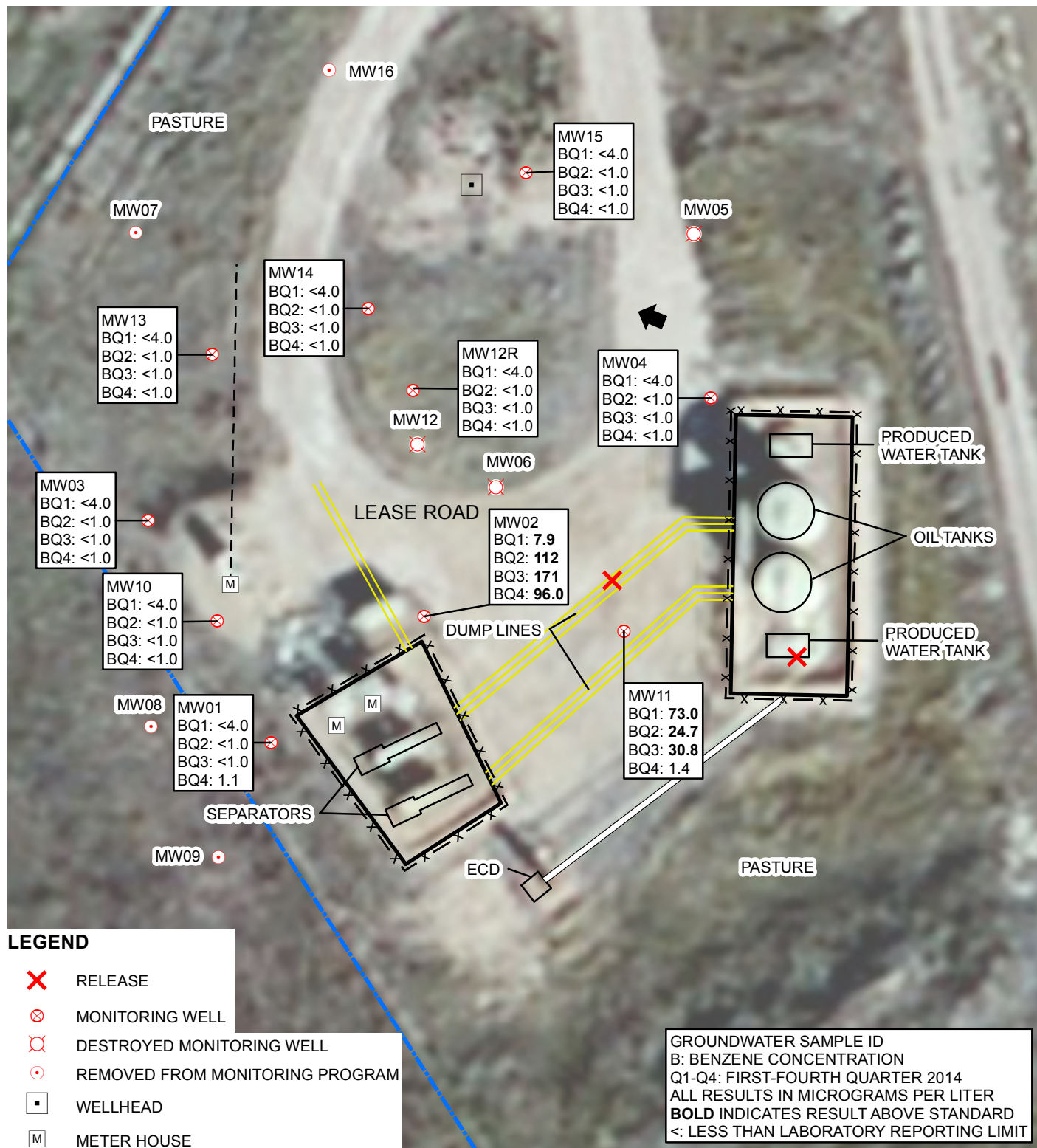


IMAGE COURTESY OF ESRI

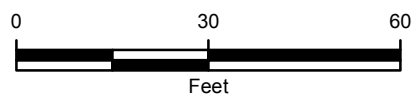


FIGURE 1
SITE MAP
 HSR-VASSER 8-30 / HSR-SCHREIBER 1-30
 SENE SEC 30-T4N-R65W
 WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP



TABLE 1
GROUNDWATER ANALYTICAL AND FIELD RESULTS
HSR-VASSER 8-30/ HSR-SCHREIBER 1-30
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Well Name	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	Depth Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
MW01	04/28/2004	1.6	4.5	ND	ND	5.73	NA
	07/30/2004	240	16.7	1.8	15.7	5.35	NA
	10/15/2004	3320	818.0	67.7	543	5.97	NA
	01/18/2005	100	4.5	2.2	56.8	7.15	NA
	04/13/2005	15	<1.0	1.4	7.8	6.91	91.80
	07/25/2005	1500	42	55	490	6.70	91.96
	10/11/2005	2800	1700	200	2700	4.90	93.76
	01/19/2006	300	3.0	110	840	6.30	92.31
	04/12/2006	56	<1.0	11	120	6.39	92.27
	07/13/2006	26	<1.0	1.0	7.3	3.94	94.72
	10/16/2006	960	11	35	390	5.28	93.38
	01/04/2007	130	<1.0	4.2	23	7.25	91.41
	04/03/2007	110	<1.0	1.9	12	5.64	93.02
	07/11/2007	7.0	<1.0	<1.0	<1.0	4.60	94.06
	10/05/2007	91	<1.0	11	89	5.12	93.54
	01/15/2008	<1.0	<1.0	<1.0	<1.0	7.42	91.24
	04/08/2008	<1.0	<1.0	<1.0	<1.0	9.25	89.41
	07/07/2008	<1.0	<1.0	<1.0	<1.0	4.30	94.36
	10/10/2008	<1.0	<1.0	<1.0	<1.0	4.23	94.43
	01/20/2009	15	<1.0	<1.0	<1.0	6.48	92.18
	04/24/2009	<1.0	<1.0	<1.0	<1.0	6.32	92.34
	07/23/2009	<1.0	<1.0	<1.0	<1.0	4.14	94.52
	10/02/2009	<1.0	<1.0	<1.0	<1.0	4.82	93.84
	01/21/2010	<1.0	<1.0	<1.0	14	6.10	92.56
	04/07/2010	<1.0	<1.0	<1.0	<1.0	5.41	93.25
	07/23/2010	<1.0	<1.0	<1.0	<1.0	4.65	94.01
	10/18/2010	<1.0	<1.0	<1.0	<1.0	5.09	93.57
	01/25/2011	<1.0	<1.0	<1.0	<1.0	6.26	92.40
	04/15/2011	<1.0	<1.0	<1.0	<1.0	6.34	92.32
	07/07/2011	<1.0	<1.0	<1.0	<1.0	4.96	93.70
	10/03/2011	1.8	<1.0	<1.0	<1.0	4.28	94.38
	01/24/2012	13	<1.0	1.3	75	6.00	92.66
	04/20/2012	<1.0	<1.0	<1.0	<1.0	5.62	93.04
	07/20/2012	<1.0	<1.0	<1.0	<1.0	5.58	93.08
	10/24/2012	<1.0	<1.0	<1.0	<1.0	6.36	92.30



TABLE 1 (Continued)
GROUNDWATER ANALYTICAL AND FIELD RESULTS
HSR-VASSER 8-30/ HSR-SCHREIBER 1-30
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Well Name	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	Depth Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
MW01	01/28/2013	<1.0	<1.0	<1.0	<1.0	7.38	91.28
	04/29/2013	<1.0	<1.0	<1.0	<1.0	5.90	92.76
	07/18/2013	Not Found - Not Sampled				Not Found	NA
	10/03/2013	<1.0	<1.0	<1.0	<1.0	5.70	92.96
	10/31/2013	Surveyed - Not Sampled				5.96	92.80
	01/29/2014	<4.0	<4.0	<4.0	<4.0	6.01	92.65
	04/30/2014	<1.0	<1.0	<1.0	<1.0	5.89	92.87
	07/22/2014	<1.0	<1.0	<1.0	<1.0	5.86	92.90
	10/21/2014	1.1	<1.0	<1.0	<1.0	5.39	93.37
MW02	04/28/2004	3690	19300	960	14800	5.07	NA
	07/30/2004	6780	13100	577	8960	4.70	NA
	10/15/2004	6280	9210	502	8350	5.20	NA
	01/18/2005	3200	4300	330	4810	6.55	NA
	04/13/2005	2200	2200	260	4200	6.98	91.78
	07/25/2005	2500	1900	60	3300	5.80	92.96
	10/11/2005	2200	1600	160	3700	3.95	94.81
	01/19/2006	3500	1900	240	3500	6.10	92.66
	04/12/2006	3000	1200	160	2700	5.80	92.96
	07/13/2006	710	66	44	600	3.75	95.01
	10/16/2006	3200	8.2	120	2400	4.93	93.83
	01/04/2007	1500	12	96	1700	7.05	91.71
	04/03/2007	1500	84	43	770	5.20	93.56
	07/11/2007	1600	1.6	45	590	4.15	94.61
	10/05/2007	960	<1.0	35	450	4.55	94.21
	01/15/2008	1100	3.1	61	790	6.35	92.41
	04/08/2008	2800	<1.0	57	710	6.96	91.80
	07/07/2008	1300	<1.0	32	350	3.65	95.11
	10/10/2008	<1.0	<1.0	<1.0	8.9	3.92	94.84
	01/20/2009	1400	<1.0	53	110	6.06	92.70
	04/24/2009	6200	<1.0	74	460	6.11	92.65
	07/23/2009	3600	1.4	89	470	3.91	94.85
	10/02/2009	3400	2.0	110	690	4.30	94.46
	01/21/2010	340	<1.0	18	27	5.79	92.97
	04/07/2010	980	<1.0	37	23	5.08	93.68
	07/23/2010	940	<1.0	16	64	4.22	94.54



TABLE 1 (Continued)
GROUNDWATER ANALYTICAL AND FIELD RESULTS
HSR-VASSER 8-30/ HSR-SCHREIBER 1-30
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Well Name	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	Depth Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
MW02	10/18/2010	1300	<1.0	16	220	4.54	94.22
	01/25/2011	280	<1.0	1.0	<1.0	5.92	92.84
	04/15/2011	1000	<1.0	8.9	160	5.72	93.04
	07/07/2011	1700	<1.0	4.1	25	4.53	94.23
	10/03/2011	3400	<1.0	4.4	110	4.01	94.75
	01/24/2012	480	<1.0	<1.0	<1.0	5.82	92.94
	04/20/2012	840	<1.0	1.2	3.7	5.10	93.66
	07/20/2012	100	<1.0	<1.0	52	5.20	93.56
	10/24/2012	<1.0	<1.0	<1.0	<1.0	5.49	93.27
	01/28/2013	360	<1.0	<1.0	29	7.40	91.36
	04/29/2013	520	<1.0	2.7	76	5.22	93.54
	07/18/2013	280	<1.0	<1.0	7.6	1.70	97.06
	10/03/2013	24	<1.0	<1.0	12	4.71	94.05
	10/31/2013	Surveyed - Not Sampled				5.19	93.51
	01/29/2014	7.9	<4.0	<4.0	<4.0	5.64	93.12
	04/30/2014	112	<1.0	<1.0	<1.0	5.06	93.64
	07/22/2014	171	<1.0	<1.0	3.2	4.93	93.77
	10/21/2014	96.0	<1.0	<1.0	7.0	4.72	93.98
MW03	04/28/2004	6.6	2.2	ND	ND	6.24	NA
	07/30/2004	ND	ND	ND	ND	5.87	NA
	10/15/2004	4.6	2.0	ND	ND	6.45	NA
	01/18/2005	<1.0	<1.0	<1.0	6.6	7.60	NA
	04/13/2005	2.1	3.9	<1.0	7.0	7.50	91.10
	07/25/2005	<1.0	<1.0	<1.0	<2.0	7.20	91.40
	10/11/2005	14	<1.0	<1.0	<2.0	5.60	93.00
	01/19/2006	<1.0	<1.0	<1.0	<2.0	8.64	89.96
	04/12/2006	<1.0	<1.0	<1.0	<1.0	6.98	91.62
	07/13/2006	<1.0	<1.0	<1.0	<1.0	3.78	94.82
	10/16/2006	<1.0	<1.0	<1.0	<1.0	6.19	92.41
	01/04/2007	<1.0	<1.0	<1.0	<1.0	9.39	89.21
	04/03/2007	<1.0	<1.0	<1.0	<1.0	6.40	92.20
	07/11/2007	<1.0	<1.0	<1.0	<1.0	4.94	93.66
	10/05/2007	<1.0	<1.0	<1.0	<1.0	5.87	92.73
	01/15/2008	<1.0	<1.0	<1.0	<1.0	9.05	89.55
	04/08/2008	<1.0	<1.0	<1.0	<1.0	10.33	88.27



TABLE 1 (Continued)
GROUNDWATER ANALYTICAL AND FIELD RESULTS
HSR-VASSER 8-30/ HSR-SCHREIBER 1-30
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Well Name	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	Depth Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
MW03	07/07/2008	<1.0	<1.0	<1.0	<1.0	4.94	93.66
	10/10/2008	<1.0	<1.0	<1.0	<1.0	4.91	93.69
	01/20/2009	<1.0	<1.0	<1.0	<1.0	6.80	91.80
	04/24/2009	1.0	<1.0	<1.0	<1.0	6.49	92.11
	07/23/2009	<1.0	<1.0	<1.0	<1.0	3.80	94.80
	10/02/2009	<1.0	<1.0	<1.0	<1.0	5.46	93.14
	01/21/2010	<1.0	<1.0	<1.0	<1.0	6.71	91.89
	04/07/2010	<1.0	<1.0	<1.0	<1.0	5.96	92.64
	07/23/2010	<1.0	<1.0	<1.0	<1.0	5.30	93.30
	10/18/2010	<1.0	<1.0	<1.0	<1.0	5.80	92.80
	01/25/2011	<1.0	<1.0	<1.0	<1.0	6.95	91.65
	04/15/2011	<1.0	<1.0	<1.0	<1.0	7.22	91.38
	07/07/2011	<1.0	<1.0	<1.0	<1.0	5.94	92.66
	10/03/2011	<1.0	<1.0	<1.0	<1.0	5.25	93.35
	01/24/2012	<1.0	<1.0	<1.0	<1.0	6.72	91.88
	04/20/2012	<1.0	<1.0	<1.0	<1.0	6.15	92.45
	07/20/2012	<1.0	<1.0	<1.0	<1.0	6.05	92.55
	10/24/2012	<1.0	<1.0	<1.0	<1.0	7.13	91.47
	01/28/2013	<1.0	<1.0	<1.0	<1.0	8.38	90.22
	04/29/2013	<1.0	<1.0	<1.0	<1.0	6.64	91.96
	07/18/2013	<1.0	<1.0	<1.0	<1.0	0.85	97.75
	10/03/2013	<1.0	<1.0	<1.0	<1.0	5.84	92.76
	10/31/2013	Surveyed - Not Sampled				6.41	92.13
	01/29/2014	<4.0	<4.0	<4.0	<4.0	6.69	91.91
	04/30/2014	<1.0	<1.0	<1.0	<1.0	6.38	92.16
	07/22/2014	<1.0	<1.0	<1.0	<1.0	6.38	92.16
	10/21/2014	<1.0	<1.0	<1.0	<1.0	5.89	92.65
MW04	04/28/2004	ND	ND	ND	ND	3.70	NA
	07/30/2004	ND	ND	ND	ND	3.36	NA
	10/15/2004	ND	ND	ND	ND	4.15	NA
	01/18/2005	Dry - Not Sampled				5.97	NA
	01/31/2005	<1.0	<1.0	<1.0	<3.0	5.42	NA
	04/13/2005	<1.0	<1.0	<1.0	<2.0	5.13	94.03
	07/25/2005	<1.0	<1.0	<1.0	<2.0	5.70	93.96
	10/11/2005	<1.0	<1.0	<1.0	<2.0	3.90	95.26



TABLE 1 (Continued)
GROUNDWATER ANALYTICAL AND FIELD RESULTS
HSR-VASSER 8-30/ HSR-SCHREIBER 1-30
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Well Name	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	Depth Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
MW04	01/19/2006	<1.0	<1.0	<1.0	<2.0	5.88	93.33
	04/12/2006	<1.0	<1.0	<1.0	<1.0	5.15	94.06
	07/13/2006	<1.0	<1.0	<1.0	<1.0	3.71	95.50
	10/16/2006	<1.0	<1.0	<1.0	<1.0	4.29	94.92
	01/04/2007	<1.0	<1.0	<1.0	<1.0	8.55	90.66
	04/03/2007	<1.0	<1.0	<1.0	<1.0	4.94	94.27
	07/11/2007	<1.0	<1.0	<1.0	<1.0	3.55	95.66
	10/05/2007	<1.0	<1.0	<1.0	<1.0	3.91	95.30
	01/15/2008	<1.0	<1.0	<1.0	<1.0	9.10	90.11
	04/08/2008	<1.0	<1.0	<1.0	<1.0	8.62	90.59
	07/07/2008	<1.0	<1.0	<1.0	<1.0	4.50	94.71
	10/10/2008	<1.0	<1.0	<1.0	<1.0	3.58	95.63
	01/20/2009	<1.0	<1.0	<1.0	<1.0	5.86	93.35
	04/24/2009	<1.0	<1.0	<1.0	<1.0	5.67	93.54
	07/23/2009	<1.0	<1.0	<1.0	<1.0	3.76	95.45
	10/02/2009	<1.0	<1.0	<1.0	<1.0	3.70	95.51
	01/21/2010	<1.0	<1.0	<1.0	<1.0	7.24	91.97
	04/07/2010	<1.0	<1.0	<1.0	<1.0	4.61	94.60
	07/23/2010	<1.0	<1.0	<1.0	<1.0	3.47	95.74
	10/18/2010	<1.0	<1.0	<1.0	<1.0	3.81	95.40
	01/25/2011	<1.0	<1.0	<1.0	<1.0	5.47	93.74
	04/15/2011	<1.0	<1.0	<1.0	<1.0	4.94	94.27
	07/07/2011	<1.0	<1.0	<1.0	<1.0	3.89	95.32
	10/03/2011	<1.0	<1.0	<1.0	<1.0	3.67	95.54
	01/24/2012	<1.0	<1.0	<1.0	<1.0	5.97	93.24
	04/20/2012	<1.0	<1.0	<1.0	<1.0	5.28	93.93
	07/20/2012	<1.0	<1.0	<1.0	<1.0	5.26	93.95
	10/24/2012	<1.0	<1.0	<1.0	<1.0	4.71	94.50
	01/28/2013	<1.0	<1.0	<1.0	<1.0	7.55	91.66
	04/29/2013	<1.0	<1.0	<1.0	<1.0	4.61	94.60
	07/18/2013	<1.0	<1.0	<1.0	<1.0	2.35	96.86
	10/03/2013	<1.0	<1.0	<1.0	<1.0	5.11	94.10
	10/31/2013	Surveyed - Not Sampled				4.06	94.68
	01/29/2014	<4.0	<4.0	<4.0	<4.0	5.36	94.05
	04/30/2014	<1.0	<1.0	<1.0	<1.0	3.81	94.93



TABLE 1 (Continued)
GROUNDWATER ANALYTICAL AND FIELD RESULTS
HSR-VASSER 8-30/ HSR-SCHREIBER 1-30
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Well Name	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	Depth Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
MW04	07/22/2014	<1.0	<1.0	<1.0	<1.0	3.41	95.33
	10/21/2014	<1.0	<1.0	<1.0	<1.0	3.47	95.27
MW05	04/28/2004	ND	ND	ND	ND	4.41	NA
	07/30/2004	ND	ND	ND	ND	4.05	NA
	10/15/2004	ND	ND	ND	ND	4.90	NA
	01/18/2005	Dry - Not Sampled				6.62	NA
	01/31/2005	<1.0	<1.0	<1.0	<3.0	6.37	NA
	04/13/2005	<1.0	<1.0	<1.0	<2.0	5.56	NA
	07/25/2005	<1.0	<1.0	<1.0	<2.0	5.23	NA
	10/11/2005	<1.0	<1.0	<1.0	<2.0	3.20	NA
	01/19/2006	<1.0	<1.0	<1.0	<2.0	6.11	NA
	MW05 destroyed as of 4/12/2006						
MW06	04/28/2004	ND	1.5	ND	3.4	5.11	NA
	07/30/2004	ND	ND	ND	ND	Damaged	NA
	10/15/2004	ND	ND	ND	ND	Damaged	NA
	01/17/2005	ND	ND	ND	ND	NM	NA
	01/18/2005	<1.0	<1.0	<1.0	<3.0	PVC Bent	NA
	04/13/2005	<1.0	<1.0	<1.0	<2.0	PVC Bent	NA
	07/25/2005	<1.0	<1.0	<1.0	<2.0	NM	NA
	MW06 destroyed as of 10/11/2005						
MW07	04/28/2004	ND	ND	ND	ND	5.55	NA
	07/30/2004	ND	ND	ND	ND	5.19	NA
	10/15/2004	ND	ND	ND	ND	5.55	NA
	01/18/2005	<1.0	<1.0	<1.0	<3.0	6.92	NA
	04/13/2005	<1.0	<1.0	<1.0	<2.0	6.60	90.84
	07/25/2005	<1.0	<1.0	<1.0	<2.0	6.25	91.19
	10/11/2005	<1.0	<1.0	<1.0	<2.0	4.55	92.89
	01/19/2006	<1.0	<1.0	<1.0	<2.0	6.47	90.97
	04/12/2006	<1.0	<1.0	<1.0	<1.0	6.13	91.31
	07/13/2006	160	<1.0	<1.0	<1.0	4.20	93.24
	10/16/2006	<1.0	<1.0	<1.0	<1.0	5.38	92.06
	01/04/2007	<1.0	<1.0	<1.0	<1.0	7.10	90.34
	04/03/2007	8.3	<1.0	<1.0	<1.0	5.70	91.74
	07/11/2007	<1.0	<1.0	<1.0	<1.0	4.18	93.26
	10/05/2007	<1.0	<1.0	<1.0	<1.0	5.30	92.14



TABLE 1 (Continued)
GROUNDWATER ANALYTICAL AND FIELD RESULTS
HSR-VASSER 8-30/ HSR-SCHREIBER 1-30
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Well Name	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	Depth Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
MW07	01/15/2008	<1.0	<1.0	<1.0	<1.0	8.86	88.58
	04/08/2008	<1.0	<1.0	<1.0	<1.0	6.76	90.68
	07/07/2008	<1.0	<1.0	<1.0	<1.0	4.79	92.65
	10/10/2008	<1.0	<1.0	<1.0	<1.0	4.26	93.18
	01/20/2009	<1.0	<1.0	<1.0	<1.0	6.23	91.21
	04/24/2009	<1.0	<1.0	<1.0	<1.0	6.01	91.43
	07/23/2009	<1.0	<1.0	<1.0	<1.0	3.83	93.61
	10/02/2009	<1.0	<1.0	<1.0	<1.0	4.79	92.65
	01/21/2010	<1.0	<1.0	<1.0	<1.0	6.05	91.39
	04/07/2010	<1.0	<1.0	<1.0	<1.0	5.21	92.23
	07/23/2010	<1.0	<1.0	<1.0	<1.0	4.69	92.75
	10/18/2010	<1.0	<1.0	<1.0	<1.0	5.14	92.30
	01/25/2011	<1.0	<1.0	<1.0	<1.0	6.39	91.05
	04/15/2011	<1.0	<1.0	<1.0	<1.0	6.51	90.93
	07/07/2011	Removed from monitoring				NM	NA
	10/31/2013	Surveyed - Not Sampled				5.73	91.87
MW08	07/25/2005	<1.0	<1.0	<1.0	<2.0	6.50	NA
	10/11/2005	<1.0	<1.0	<1.0	<2.0	5.05	NA
	01/19/2006	<1.0	<1.0	<1.0	<2.0	6.47	NA
	04/12/2006	<1.0	<1.0	<1.0	<1.0	6.29	NA
	07/13/2006	28	<1.0	7.8	14	3.99	NA
	10/16/2006	<1.0	<1.0	<1.0	<1.0	4.17	NA
	01/04/2007	<1.0	<1.0	<1.0	<1.0	6.09	NA
	04/03/2007	<1.0	<1.0	<1.0	<1.0	5.70	NA
	07/11/2007	<1.0	<1.0	<1.0	<1.0	4.20	NA
	10/05/2007	<1.0	<1.0	<1.0	<1.0	5.34	NA
	01/15/2008	<1.0	<1.0	<1.0	<1.0	8.90	NA
	04/08/2008	<1.0	<1.0	<1.0	<1.0	17.90	NA
	07/07/2008	<1.0	<1.0	<1.0	<1.0	5.08	NA
	10/10/2008	<1.0	<1.0	<1.0	<1.0	4.28	NA
	01/20/2009	<1.0	<1.0	<1.0	<1.0	6.26	NA
	04/24/2009	<1.0	<1.0	<1.0	<1.0	6.41	NA
	07/23/2009	<1.0	<1.0	<1.0	<1.0	3.89	NA
	10/02/2009	<1.0	<1.0	<1.0	<1.0	4.91	NA
	01/21/2010	<1.0	<1.0	<1.0	<1.0	7.04	NA



TABLE 1 (Continued)
GROUNDWATER ANALYTICAL AND FIELD RESULTS
HSR-VASSER 8-30/ HSR-SCHREIBER 1-30
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Well Name	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	Depth Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
MW08	04/07/2010	<1.0	<1.0	<1.0	<1.0	6.43	NA
	07/23/2010	7.6	<1.0	<1.0	<1.0	5.81	NA
	10/18/2010	<1.0	<1.0	<1.0	<1.0	6.19	NA
	01/25/2011	<1.0	<1.0	<1.0	<1.0	7.29	NA
	04/15/2011	<1.0	<1.0	<1.0	<1.0	7.45	NA
	07/07/2011	Removed from monitoring				NM	NA
MW09	07/25/2005	<1.0	<1.0	<1.0	<2.0	6.15	NA
	10/11/2005	<1.0	<1.0	<1.0	<2.0	4.55	NA
	01/19/2006	Dry - Not Sampled				Dry	NA
	04/12/2006	<1.0	<1.0	<1.0	<1.0	5.85	NA
	07/13/2006	<1.0	<1.0	<1.0	<1.0	3.98	NA
	10/16/2006	1200	31	67	750	3.16	NA
	01/04/2007	<1.0	<1.0	<1.0	<1.0	5.07	NA
	04/03/2007	<1.0	<1.0	<1.0	<1.0	5.25	NA
	07/11/2007	<1.0	<1.0	<1.0	<1.0	4.35	NA
	10/05/2007	<1.0	<1.0	<1.0	<1.0	4.75	NA
	01/15/2008	<1.0	<1.0	<1.0	<1.0	8.39	NA
	04/08/2008	<1.0	<1.0	<1.0	<1.0	6.65	NA
	07/07/2008	<1.0	<1.0	<1.0	<1.0	4.14	NA
	10/10/2008	<1.0	<1.0	<1.0	<1.0	3.82	NA
	01/20/2009	<1.0	<1.0	<1.0	<1.0	5.92	NA
	04/24/2009	<1.0	<1.0	<1.0	<1.0	5.82	NA
	07/23/2009	<1.0	<1.0	<1.0	<1.0	3.65	NA
	10/02/2009	<1.0	<1.0	<1.0	<1.0	4.46	NA
	01/21/2010	<1.0	<1.0	<1.0	<1.0	5.68	NA
	04/07/2010	<1.0	<1.0	<1.0	<1.0	4.97	NA
	07/23/2010	<1.0	<1.0	<1.0	<1.0	4.30	NA
	10/18/2010	<1.0	<1.0	<1.0	<1.0	4.74	NA
	01/25/2011	<1.0	<1.0	<1.0	<1.0	5.87	NA
	04/15/2011	<1.0	<1.0	<1.0	<1.0	5.88	NA
	07/07/2011	Removed from monitoring				NM	NA
MW10	12/14/2007	7.3	<1.0	5.3	160	6.52	91.91
	01/15/2008	<1.0	<1.0	<1.0	<1.0	8.07	90.36
	04/08/2008	1.3	<1.0	<1.0	5.0	8.36	90.07



TABLE 1 (Continued)
GROUNDWATER ANALYTICAL AND FIELD RESULTS
HSR-VASSER 8-30/ HSR-SCHREIBER 1-30
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Well Name	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	Depth Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
MW10	07/07/2008	2.9	<1.0	<1.0	8.0	5.41	93.02
	10/10/2008	<1.0	<1.0	<1.0	<1.0	4.39	94.04
	01/20/2009	<1.0	<1.0	<1.0	<1.0	6.37	92.06
	04/24/2009	<1.0	<1.0	<1.0	<1.0	6.36	92.07
	07/23/2009	<1.0	<1.0	<1.0	<1.0	3.94	94.49
	10/02/2009	<1.0	<1.0	<1.0	<1.0	4.97	93.46
	01/21/2010	<1.0	<1.0	<1.0	<1.0	6.15	92.28
	04/07/2010	8.8	<1.0	<1.0	<1.0	5.42	93.01
	07/23/2010	<1.0	<1.0	<1.0	<1.0	4.89	93.54
	10/18/2010	<1.0	<1.0	<1.0	<1.0	5.22	93.21
	01/25/2011	<1.0	<1.0	<1.0	<1.0	6.38	92.05
	04/15/2011	<1.0	<1.0	<1.0	<1.0	6.55	91.88
	07/07/2011	1.1	<1.0	<1.0	<1.0	5.19	93.24
	10/03/2011	6.6	<1.0	<1.0	<1.0	4.52	93.91
	01/24/2012	<1.0	<1.0	<1.0	<1.0	6.07	92.36
	04/20/2012	5.9	<1.0	<1.0	<1.0	5.72	92.71
	07/20/2012	28	<1.0	<1.0	<1.0	5.72	92.71
	10/24/2012	<1.0	<1.0	<1.0	<1.0	6.47	91.96
	01/28/2013	<1.0	<1.0	<1.0	<1.0	7.87	90.56
	04/29/2013	<1.0	<1.0	<1.0	<1.0	8.29	92.37
	07/18/2013	Inaccessible - Not Sampled				Inaccessible	NA
	10/03/2013	<1.0	<1.0	<1.0	<1.0	5.31	93.12
	10/31/2013	Surveyed - Not Sampled				5.83	92.55
	01/29/2014	<4.0	<4.0	<4.0	<4.0	4.05	94.38
	04/30/2014	<1.0	<1.0	<1.0	<1.0	5.83	92.55
	07/22/2014	<1.0	<1.0	<1.0	<1.0	5.76	92.62
	10/21/2014	<1.0	<1.0	<1.0	<1.0	5.39	92.99
MW11	12/14/2007	6.9	<1.0	5.4	160	5.80	91.95
	01/15/2008	230	77	20	1200	7.20	90.55
	04/08/2008	130	<1.0	38	700	6.95	90.80
	07/07/2008	<1.0	<1.0	<1.0	7.8	5.28	92.49
	10/10/2008	<1.0	<1.0	<1.0	<1.0	3.37	94.40
	01/20/2009	140	<1.0	4.8	7.0	5.59	92.18
	04/24/2009	33	<1.0	3.2	22	5.38	92.39
	07/23/2009	1.3	<1.0	<1.0	<1.0	3.32	94.45



TABLE 1 (Continued)
GROUNDWATER ANALYTICAL AND FIELD RESULTS
HSR-VASSER 8-30/ HSR-SCHREIBER 1-30
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Well Name	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	Depth Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
MW11	10/02/2009	6.2	<1.0	<1.0	<1.0	3.68	94.09
	01/21/2010	38	<1.0	<1.0	7.6	5.26	92.51
	04/07/2010	54	<1.0	<1.0	<1.0	4.43	93.34
	07/23/2010	100	<1.0	<1.0	1.8	3.59	94.18
	10/18/2010	<1.0	<1.0	<1.0	<1.0	3.79	93.98
	01/25/2011	20	<1.0	<1.0	<1.0	5.30	92.47
	04/15/2011	37	<1.0	2.3	22	4.97	92.80
	07/07/2011	56	<1.0	<1.0	<1.0	3.57	94.20
	10/03/2011	<1.0	<1.0	<1.0	<1.0	3.17	94.60
	01/24/2012	19	<1.0	<1.0	<1.0	4.32	93.45
	04/20/2012	4.9	<1.0	<1.0	<1.0	3.92	93.85
	07/20/2012	2.3	<1.0	<1.0	<1.0	3.94	93.83
	10/24/2012	<1.0	<1.0	<1.0	<1.0	4.88	93.95
	01/28/2013	<1.0	<1.0	<1.0	<1.0	PVC Bent	NA
	04/29/2013	11	<1.0	1.5	14	PVC Bent	NA
	07/18/2013	8.6	<1.0	<1.0	1.0	PVC Bent	NA
	10/03/2013	8.9	<1.0	<1.0	<1.0	PVC Bent	NA
	10/31/2013	Surveyed - Not Sampled				4.64	94.30
	01/29/2014	73.0	<4.0	<4.0	<4.0	5.04	93.79
	04/30/2014	24.7	<1.0	<1.0	<1.0	PVC Bent	NA
	07/22/2014	30.8	<1.0	<1.0	<1.0	PVC Bent	NA
	10/21/2014	1.4	<1.0	<1.0	<1.0	PVC Bent	NA
MW12	04/25/2008	1300	3500	210	4300	5.52	NA
	07/07/2008	1400	1800	260	3300	5.82	NA
	10/10/2008	570	4.5	4.1	700	3.10	NA
	01/20/2009	800	740	160	1100	6.18	NA
	04/24/2009	16	5.6	8.1	200	6.32	NA
	07/23/2009	1800	680	83	1800	3.91	NA
	10/02/2009	1300	410	51	1000	4.57	NA
	01/21/2010	490	23	31	230	5.84	NA
	04/07/2010	220	<1.0	20	84	4.97	NA
	07/23/2010	1100	5.8	20	610	4.42	NA
	10/18/2010	510	17	18	300	4.71	NA
	01/25/2011	100	<1.0	2.6	2.4	PVC Bent	NA
	04/15/2011	48	<1.0	2.6	1.7	5.92	NA



TABLE 1 (Continued)
GROUNDWATER ANALYTICAL AND FIELD RESULTS
HSR-VASSER 8-30/ HSR-SCHREIBER 1-30
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Well Name	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	Depth Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
MW12	07/07/2011	210	<1.0	8.2	32	4.62	NA
	10/03/2011	26	<1.0	1.4	7.2	Damaged	NA
	01/24/2012	15	<1.0	<1.0	<1.0	NM	NA
	MW12 destroyed as of 1/24/2012						
MW12R	01/28/2013	<1.0	<1.0	6.3	320	7.37	91.05
	04/29/2013	<1.0	<1.0	17	180	5.10	93.32
	07/18/2013	1.9	<1.0	52	680	2.63	95.79
	10/03/2013	<1.0	<1.0	<1.0	<1.0	4.45	93.97
	10/31/2013	Surveyed - Not Sampled				5.18	93.40
	01/29/2014	<4.0	<4.0	<4.0	<4.0	5.45	92.97
	04/30/2014	<1.0	<1.0	10.8	92.2	5.07	93.51
	07/22/2014	<1.0	<1.0	1.7	11.8	4.94	93.64
	10/21/2014	<1.0	<1.0	<1.0	<1.0	4.72	93.86
MW13	04/25/2008	3.4	28	4.0	64	6.60	91.80
	07/07/2008	2.0	<1.0	<1.0	<1.0	4.87	93.53
	10/10/2008	<1.0	<1.0	<1.0	<1.0	3.65	93.75
	01/20/2009	<1.0	<1.0	<1.0	<1.0	6.81	91.59
	04/24/2009	<1.0	<1.0	<1.0	<1.0	6.64	91.76
	07/23/2009	<1.0	<1.0	<1.0	<1.0	4.15	94.25
	10/02/2009	<1.0	<1.0	<1.0	<1.0	5.30	93.10
	01/21/2010	<1.0	<1.0	<1.0	<1.0	6.51	91.89
	04/07/2010	<1.0	<1.0	<1.0	<1.0	5.68	92.72
	07/23/2010	<1.0	<1.0	<1.0	<1.0	5.18	93.22
	10/18/2010	<1.0	<1.0	<1.0	<1.0	5.57	92.83
	01/25/2011	<1.0	<1.0	<1.0	<1.0	6.81	91.59
	04/15/2011	<1.0	<1.0	<1.0	<1.0	6.95	91.45
	07/07/2011	<1.0	<1.0	<1.0	<1.0	5.87	92.53
	10/03/2011	<1.0	<1.0	<1.0	<1.0	5.21	93.19
	01/24/2012	<1.0	<1.0	<1.0	<1.0	6.62	91.78
	04/20/2012	<1.0	<1.0	<1.0	<1.0	6.02	92.38
	07/20/2012	<1.0	<1.0	<1.0	<1.0	6.00	92.40
	10/24/2012	<1.0	<1.0	<1.0	<1.0	6.65	91.75
	01/28/2013	<1.0	<1.0	<1.0	<1.0	8.18	90.22
	04/29/2013	<1.0	<1.0	<1.0	<1.0	6.28	92.12
	07/18/2013	<1.0	<1.0	<1.0	<1.0	1.11	97.29



TABLE 1 (Continued)
GROUNDWATER ANALYTICAL AND FIELD RESULTS
HSR-VASSER 8-30/ HSR-SCHREIBER 1-30
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Well Name	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	Depth Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
MW13	10/03/2013	<1.0	<1.0	<1.0	<1.0	5.55	92.85
	10/31/2013	Surveyed - Not Sampled				6.09	92.37
	01/29/2014	<4.0	<4.0	<4.0	<4.0	6.38	92.02
	04/30/2014	<1.0	<1.0	<1.0	<1.0	6.13	92.33
	07/22/2014	<1.0	<1.0	<1.0	<1.0	6.08	92.38
	10/21/2014	<1.0	<1.0	<1.0	<1.0	5.73	92.73
MW14	07/22/2008	28	<1.0	70	520	3.68	93.42
	01/20/2009	5.4	<1.0	<1.0	<1.0	6.34	91.07
	04/24/2009	<1.0	<1.0	<1.0	<1.0	6.09	91.32
	07/23/2009	1.8	<1.0	<1.0	<1.0	3.26	93.85
	10/02/2009	2.0	<1.0	<1.0	<1.0	4.46	92.95
	01/21/2010	<1.0	<1.0	<1.0	<1.0	5.95	91.46
	04/07/2010	1.2	<1.0	<1.0	<1.0	4.98	92.43
	07/23/2010	<1.0	<1.0	<1.0	<1.0	4.47	92.94
	10/18/2010	<1.0	<1.0	<1.0	<1.0	4.61	92.80
	01/25/2011	<1.0	<1.0	<1.0	<1.0	6.19	91.22
	04/15/2011	<1.0	<1.0	<1.0	<1.0	6.05	91.36
	07/07/2011	<1.0	<1.0	<1.0	<1.0	4.93	92.48
	10/03/2011	<1.0	<1.0	<1.0	<1.0	4.36	93.05
	01/24/2012	<1.0	<1.0	<1.0	<1.0	6.15	91.26
	04/20/2012	<1.0	<1.0	<1.0	<1.0	5.46	91.95
	07/20/2012	<1.0	<1.0	<1.0	<1.0	5.40	92.01
	10/24/2012	<1.0	<1.0	<1.0	<1.0	5.65	91.76
	01/28/2013	<1.0	<1.0	<1.0	<1.0	7.59	89.82
	04/29/2013	<1.0	<1.0	<1.0	<1.0	5.35	92.06
	07/18/2013	<1.0	<1.0	<1.0	<1.0	2.03	95.38
	10/03/2013	<1.0	<1.0	<1.0	<1.0	4.79	92.62
	10/31/2013	Surveyed - Not Sampled				5.25	92.23
	01/29/2014	<4.0	<4.0	<4.0	<4.0	5.63	91.78
	04/30/2014	<1.0	<1.0	<1.0	<1.0	5.17	92.31
	07/22/2014	<1.0	<1.0	<1.0	<1.0	5.03	92.45
	10/21/2014	<1.0	<1.0	<1.0	<1.0	4.93	92.55
MW15	01/20/2009	<1.0	<1.0	<1.0	<1.0	5.98	91.01
	04/24/2009	<1.0	<1.0	<1.0	<1.0	5.89	91.10



TABLE 1 (Continued)
GROUNDWATER ANALYTICAL AND FIELD RESULTS
HSR-VASSER 8-30/ HSR-SCHREIBER 1-30
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Well Name	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	Depth Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
MW15	07/23/2009	<1.0	<1.0	<1.0	<1.0	3.36	93.63
	10/02/2009	<1.0	<1.0	<1.0	<1.0	3.97	93.02
	01/21/2010	<1.0	<1.0	<1.0	<1.0	5.75	91.24
	04/07/2010	<1.0	<1.0	<1.0	<1.0	4.55	92.44
	07/23/2010	<1.0	<1.0	<1.0	<1.0	4.08	92.91
	10/18/2010	<1.0	<1.0	<1.0	<1.0	4.06	92.93
	01/25/2011	<1.0	<1.0	<1.0	<1.0	5.90	91.09
	04/15/2011	<1.0	<1.0	<1.0	<1.0	5.56	91.43
	07/07/2011	<1.0	<1.0	<1.0	<1.0	4.30	92.51
	10/03/2011	<1.0	<1.0	<1.0	<1.0	3.91	93.08
	01/24/2012	<1.0	<1.0	<1.0	<1.0	6.05	90.94
	04/20/2012	<1.0	<1.0	<1.0	<1.0	5.67	91.32
	07/20/2012	<1.0	<1.0	<1.0	<1.0	5.61	91.38
	10/24/2012	<1.0	<1.0	<1.0	<1.0	3.60	93.39
	01/28/2013	<1.0	<1.0	<1.0	<1.0	6.05	90.94
	04/29/2013	<1.0	<1.0	<1.0	<1.0	3.43	93.56
	07/18/2013	<1.0	<1.0	<1.0	<1.0	0.71	96.28
	10/03/2013	<1.0	<1.0	<1.0	<1.0	3.03	93.96
	10/31/2013	Surveyed - Not Sampled				4.49	93.67
	01/29/2014	<4.0	<4.0	<4.0	<4.0	3.93	93.06
	04/30/2014	<1.0	<1.0	<1.0	<1.0	4.36	93.80
	07/22/2014	<1.0	<1.0	<1.0	<1.0	4.12	94.04
	10/21/2014	<1.0	<1.0	<1.0	<1.0	4.02	94.14
MW16	01/20/2009	<1.0	<1.0	<1.0	<1.0	6.33	91.63
	04/24/2009	<1.0	<1.0	<1.0	<1.0	6.26	91.70
	07/23/2009	<1.0	<1.0	<1.0	<1.0	7.01	90.95
	10/02/2009	<1.0	<1.0	<1.0	<1.0	4.55	93.41
	01/21/2010	<1.0	<1.0	<1.0	<1.0	6.09	91.87
	04/07/2010	<1.0	<1.0	<1.0	<1.0	5.11	92.85
	07/23/2010	<1.0	<1.0	<1.0	<1.0	4.63	93.33
	10/18/2010	<1.0	<1.0	<1.0	<1.0	4.82	93.14
	01/25/2011	<1.0	<1.0	<1.0	<1.0	6.38	91.58
	04/15/2011	<1.0	<1.0	<1.0	<1.0	6.22	91.74
	07/07/2011	Removed from monitoring				NM	NA
	10/31/2013	Surveyed - Not Sampled				5.26	92.68



TABLE 1 (Continued)
GROUNDWATER ANALYTICAL AND FIELD RESULTS
HSR-VASSER 8-30/ HSR-SCHREIBER 1-30
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Well Name	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	Depth Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
CGWQS		5	1000	680	10000		

Notes: ug/L - micrograms per Liter
ft bgs - feet below ground surface
GW - Groundwater

Elev. - Elevation
Bold numbers indicate result exceeded standard.
< - less than

NA - Not Analyzed/Not Available
NM - Not Measured
CGWQS - Colorado Groundwater
Quality Standards

Results in red indicate data from samples collected after completion of carbon slurry injection.

