



August 19, 2015

Mr. David Blake Ford
Encana Oil & Gas (USA) Inc.
3601 Stagecoach Road North
Longmont, CO 80504

**RE: Groundwater Sampling Annual Report
Brown C Unit #2
API # 05-123-18575
NW $\frac{1}{4}$ NW $\frac{1}{4}$ SEC.5 T1N R68W 6PM
LAT./LONG.: 40.085008/-105.033419
Weld County, Colorado**

Dear Mr. Ford,

Eagle Environmental Consulting, Inc. (EAGLE) is pleased to present this Groundwater Sampling Annual Report to Encana Oil & Gas (USA) Inc. (Encana) for the above referenced site. The data included within this report covers work completed at the site from June 2014 through March 2015.

1.0 SITE BACKGROUND

On December 8, 2011, Encana contractors excavated approximately 500 cubic yards of petroleum hydrocarbon impacted soil from the site. The impacted soil was disposed of at the Denver Regional Landfill located in Erie, Colorado. The extents of the excavation were approximately 28 feet, east to west, by approximately 48 feet, north to south, with an approximate average depth of 10 feet below ground surface (bgs). Prior to backfilling activities, a groundwater amendment was applied to the excavation to address residual dissolved petroleum hydrocarbon impacts, followed by clean fill to the surface. A site location map is presented in Figure 1.

Six confirmation soil samples (SB-01 through SB-06) collected from the sidewalls of the excavation were submitted for laboratory analysis to Summit Scientific, located in Golden, Colorado, for analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX) by Environmental Protection Agency (EPA) Method 8260B. The six confirmation soil samples were also analyzed for total petroleum hydrocarbons-gasoline range organics (TPH-GRO) and total petroleum hydrocarbons-diesel range organics (TPH-DRO) by EPA Method 8015. Confirmation soil samples were not collected from the floor of the excavation, as observed petroleum hydrocarbon impacts extended into the saturated zone.

Based on laboratory analytical results, the soil samples collected from the sidewalls of the excavation did not exceed Colorado Oil and Gas Conservation Commission (COGCC) Table 910-1 soil regulatory limits for BTEX, TPH-GRO, or TPH-DRO. Confirmation soil sample analytical results are summarized in Table 1.

On June 20, 2013, EAGLE surveyed the top of casing (TOC) elevations for each of the monitoring wells to determine an accurate groundwater elevation and flow direction. Spatial location of each monitoring well was also recorded using a Trimble GeoXT 6000 series instrument to generate a site map utilizing the

data collected from the Trimble instrument. A site map illustrating monitoring well locations is presented in Figure 2.

On August 2, 2013, EAGLE supervised soil boring advancement/monitoring well replacement activities. One soil boring (MW-02R) was advanced in the general vicinity of previously destroyed monitoring well, MW-02.

Following advancement activities, MW-02R was completed as a 2-inch groundwater monitoring well to define the extents of dissolved petroleum hydrocarbon impacts beneath the site. ACI Services, Inc. (ACI) utilized a Central Mining Equipment (CME) 55 drill rig to complete drilling activities at the site.

The soil sample collected from monitoring well, MW-02R at 4-5' bgs, was submitted for analysis of BTEX following EPA Method 8021, TPH-GRO following EPA Method 8015, and TPH-DRO following modified EPA Method 3546. The soil sample was also analyzed for 13 polycyclic aromatic hydrocarbons (PAHs) following EPA Method 8270C-SIM, metals following EPA Methods 6010B and 3060A/7196A, as well as pH following EPA Method 9045D, specific conductance following EPA Method 9050A Mod., and sodium adsorption ratio (SAR).

Based on laboratory analytical results, the soil sample collected from monitoring well, MW-02R, did not contain BTEX, TPH-GRO, TPH-DRO, or PAH concentrations exceeding their respective laboratory reporting limits.

An arsenic concentration observed within soil boring MW-02R exceeded the COGCC regulatory limit of 0.39 milligrams per kilogram (mg/kg) with concentration of 5.2 mg/kg. Arsenic is naturally occurring in some geologic environments within Colorado due to the weathering and erosion of bedrock and soil. The Colorado Department of Public Health and Environment (CDPHE) developed a Risk Management Guidance Document for Evaluating Arsenic Concentrations in Soil, which was revised in July 2014. During the study completed by the EPA, the average concentration of arsenic observed in Colorado soils was 11 mg/kg. Based on the average concentration of arsenic listed in the guidance document provided by the CDPHE and the arsenic concentration observed within the soil boring advanced on the site, arsenic is not a chemical of concern to the site at this time.

The remaining metal compounds, specific conductance, pH, and SAR values were either observed below their respective laboratory reporting limit or COGCC Table 910-1 regulatory limit. Soil analytical data from monitoring well MW-02R is summarized in Table 1, Table 1A, and Table 1B. The soil boring log/monitoring well completion diagram is included in Attachment A. The Colorado Division of Water Resources Well Permit is included in Attachment B.

Quarterly groundwater monitoring has been conducted at the site since January 2008.

2.0 SITE DESCRIPTION

The Brown C Unit #2 site is located within the northwest quarter of the northwest quarter of Section 5, Township 1 North, Range 68 West of the 6th Prime Meridian. The Brown C Unit #1 well is located at latitude: 40.085008 and longitude -105.033419 in Weld County, Colorado. The Brown C Unit #2 tank battery is located at latitude: 40.084937 and longitude -105.033437 in Weld County, Colorado.

2.1 Site Hydrogeology

Based on field observations, the site lithology beneath the site is a sandy gravelly clay from the surface to approximately 11.5 feet bgs. The sandy, gravelly, clay is underlain by a silty clay from approximately 11.5 feet bgs to approximately 17 feet bgs.

Historic depth to groundwater beneath the site has been observed between approximately 3.7 and 16.3 feet bgs. An irrigation canal is located northwest of the site which may seasonally influence groundwater elevations and flow direction beneath the site.

Groundwater flow direction beneath the site was observed to the northwest during the June 2014, December 2014, and March 2015 groundwater sampling events, and to the southeast during the September 2014 groundwater sampling event.

3.0 GROUNDWATER MONITORING ACTIVITIES

3.1 Groundwater Sampling Procedures

Prior to groundwater sample collection, monitoring wells MW-01, MW-02R, MW-03 through MW-05, AGW-01 through AGW-03, AGW-05, and AGW-06 were purged with a peristaltic pump and flow cell at a rate of no more than 500 milliliters per min (mL/min). During purging activities, groundwater parameters were monitored for stabilization. Groundwater samples were collected in 40 milliliter (mL) amber vials once the parameters were observed stable, or following approximately 15 minutes of purging activities. Prior to groundwater sample collection, the following field parameters were recorded:

- initial depth to groundwater using an interface probe capable of measuring the depth to groundwater or product to an accuracy of 0.01 feet;
- dissolved oxygen (DO) concentrations, pH, temperature, specific conductance, and oxidation reduction potential (ORP) values using a YSI 556 MultiMeter probe within a flow cell.

Following groundwater sample collection, the following field parameters were recorded:

- final depth to groundwater using an interface probe capable of measuring the depth to groundwater or product to an accuracy of 0.01 feet.

Groundwater purged from each monitoring well during groundwater sampling activities was placed in 5-gallon buckets and transferred into the process water holding tank located on the tank battery.

3.2 Groundwater Sampling Activities

Groundwater samples were submitted to ESC Lab Sciences located in Mt. Juliet, Tennessee, for analysis of BTEX following EPA Method 8260B. A representative from ESC Lab Sciences picked up the groundwater samples under proper chain-of custody procedures for shipment to the laboratory, and the samples were received within quality assurance/quality control (QA/QC) parameters.

The following describes quarterly groundwater sampling activities completed from June 2014 through March 2015:

June 30, 2014:

Groundwater samples were collected from MW-01, MW-02R, MW-03 through MW-05, AGW-01 through AGW-03, AGW-05, and AGW-06 and was encountered at relative groundwater elevations ranging from 86.04 feet in MW-01 to 89.21 feet in MW-04. Groundwater flow direction was predominantly to the northwest with a calculated hydraulic gradient of 0.0012 feet per foot (ft./ft.) across the site (measured from AGW-01 to MW-03).

Groundwater Analytical Results

The groundwater sample collected from MW-01 contained a concentration of benzene exceeding the COGCC Table 910-1 regulatory limit of 5 micrograms per liter ($\mu\text{g/L}$), with a concentration of 340 $\mu\text{g/L}$. The remaining monitoring wells did not contain concentrations of BTEX exceeding their respective COGCC Table 910-1 regulatory limits.

September 24, 2014:

Groundwater samples were collected MW-01, MW-02R, MW-03 through MW-05, AGW-01 through AGW-03, AGW-05, and AGW-06 and was encountered at relative groundwater elevations ranging from 85.96 feet in MW-01 to 88.77 feet in MW-04. Groundwater elevations decreased approximately 0.24 feet compared to the June, 2014 groundwater sampling event. Groundwater flow direction was predominantly to the southeast with a calculated hydraulic gradient of 0.0106 ft./ft. across the site (measured from MW-03 to AGW-01).

Groundwater Analytical Results

The groundwater sample collected from MW-01 contained a concentration of benzene exceeding the COGCC Table 910-1 regulatory limit with a concentration of 2,100 $\mu\text{g/L}$. The remaining monitoring wells did not contain concentrations of BTEX exceeding their respective COGCC Table 910-1 regulatory limits.

December 23, 2014:

Groundwater samples were collected MW-01, MW-02R, MW-03 through MW-05, AGW-01 through AGW-03, AGW-05, and AGW-06 and was encountered at relative groundwater elevations ranging from 81.92 feet in MW-01 to 84.08 feet in AGW-01. Groundwater elevations decreased approximately 4.76 feet compared to the September 24, 2014 groundwater sampling event. Groundwater flow direction was predominantly to the northwest with a calculated hydraulic gradient of 0.0118 ft./ft. across the site (measured from AGW-01 to MW-03).

Groundwater Analytical Results

The groundwater samples collected from MW-01 and MW-05 contained concentrations of benzene exceeding the COGCC Table 910-1 regulatory limit with concentrations of 460 $\mu\text{g/L}$, and 50 $\mu\text{g/L}$, respectively. The remaining monitoring wells did not contain concentrations of BTEX exceeding their respective COGCC Table 910-1 regulatory limits or laboratory reporting limits.

March 10, 2015:

Groundwater samples were collected from MW-01, MW-03 through MW-05, AGW-01, AGW-02, and AGW-05 and was encountered at relative groundwater elevations ranging from 79.70 feet in MW-01 to 81.89 feet in AGW-01. Monitoring well MW-02R was inaccessible during the March 10, 2015 groundwater sampling event. Monitoring wells AGW-03 and AGW-06 were observed dry during the March 10, 2015 groundwater sampling event. Groundwater elevations decreased approximately 2.19 feet compared to the December 23, 2014 groundwater sampling event. Groundwater flow direction was predominantly to the northwest with a calculated hydraulic gradient of 0.0110 ft./ft. across the site (measured from AGW-01 to MW-03).

Groundwater Analytical Results

The groundwater samples collected from MW-01, MW-03 through MW-05, AGW-01, AGW-02, and AGW-05 did not contain concentrations of BTEX exceeding their respective COGCC Table 910-1 regulatory limits.

A site map presenting the March 10, 2015 groundwater elevations and flow direction is included as Figure 3. A summary of groundwater elevation data is included as Table 2.

The March 10, 2015 groundwater analytical results are presented in Figure 4 and summarized in Table 3. Groundwater laboratory analytical reports are included in Attachment C. Hydrographs illustrating benzene concentrations and relative groundwater elevations within monitoring wells MW-01 and MW-05 are presented in Attachment D.

5.0 CONCLUSIONS

Based on the information described above, EAGLE concludes the following:

- The groundwater samples collected from MW-01 during the June 30, September 24, and December 23, 2014 groundwater sampling events contained concentrations of benzene exceeding the COGCC Table 910-1 regulatory limit.
- The groundwater sample collected from MW-05 during the December 23, 2014 groundwater sampling event contained a concentration of benzene exceeding the COGCC Table 910-1 regulatory limit.
- Groundwater elevations beneath the site decreased approximately 2.19 feet compared to the December 23, 2014 groundwater sampling event.
- Groundwater flow direction beneath the site during the March 10, 2015 groundwater sampling event was predominantly to the northwest with a calculated hydraulic gradient of 0.0110 ft./ft. across the site (measured from AGW-01 to MW-03).
- The groundwater samples collected from monitoring wells MW-01, MW-03 through MW-05, AGW-01, AGW-02, and AGW-05 during the March 10, 2015 groundwater sampling event did not contain concentrations of BTEX exceeding their respective COGCC Table 910-1 regulatory limits.

6.0 RECOMMENDATIONS

- Perform small excavation around monitoring wells MW-01 and MW-05 to remove residual soil impacts. In addition, apply a groundwater amendment to the excavation prior to backfilling activities to address residual dissolved phase impacts beneath the site.
- Continued groundwater sampling activities to evaluate natural attenuation processes occurring beneath the site.

EAGLE sincerely appreciates the opportunity to provide our services. If you have any questions or require further information, please contact us at (303) 433-0479.

Sincerely,

EAGLE ENVIRONMENTAL CONSULTING, INC.

A handwritten signature in blue ink, appearing to read 'D. Coloccia', with a stylized flourish at the end.

Daniel Coloccia
Project Scientist

A handwritten signature in blue ink, appearing to read 'M. Eckert III', with a stylized flourish at the end.

Martin Eckert III
Senior Project Manager

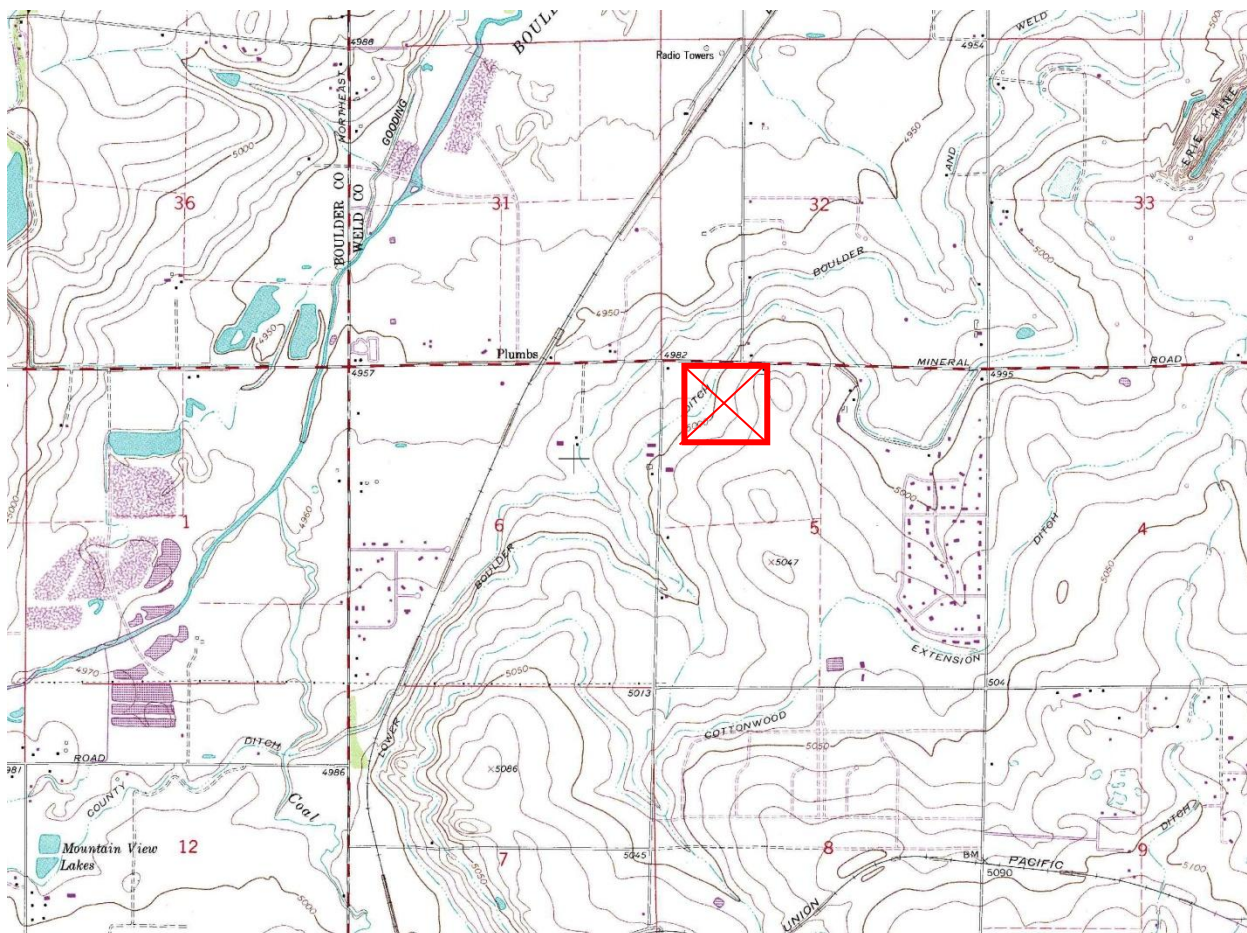
FIGURES

Figure 1: Site Location Map

Figure 2: Site Map

Figure 3: Groundwater Elevation Map (03/10/15)

Figure 4: Groundwater Sample Location Map (03/10/15)



 APPROXIMATE LOCATION OF BROWN C UNIT #2

TOPOGRAPHIC MAP OBTAINED FROM LIBRE MAP PROJECT

ERIE , COLORADO QUADRANGLE UNITED STATES GEOLOGICAL SURVEY 7.5 MINUTE SERIES

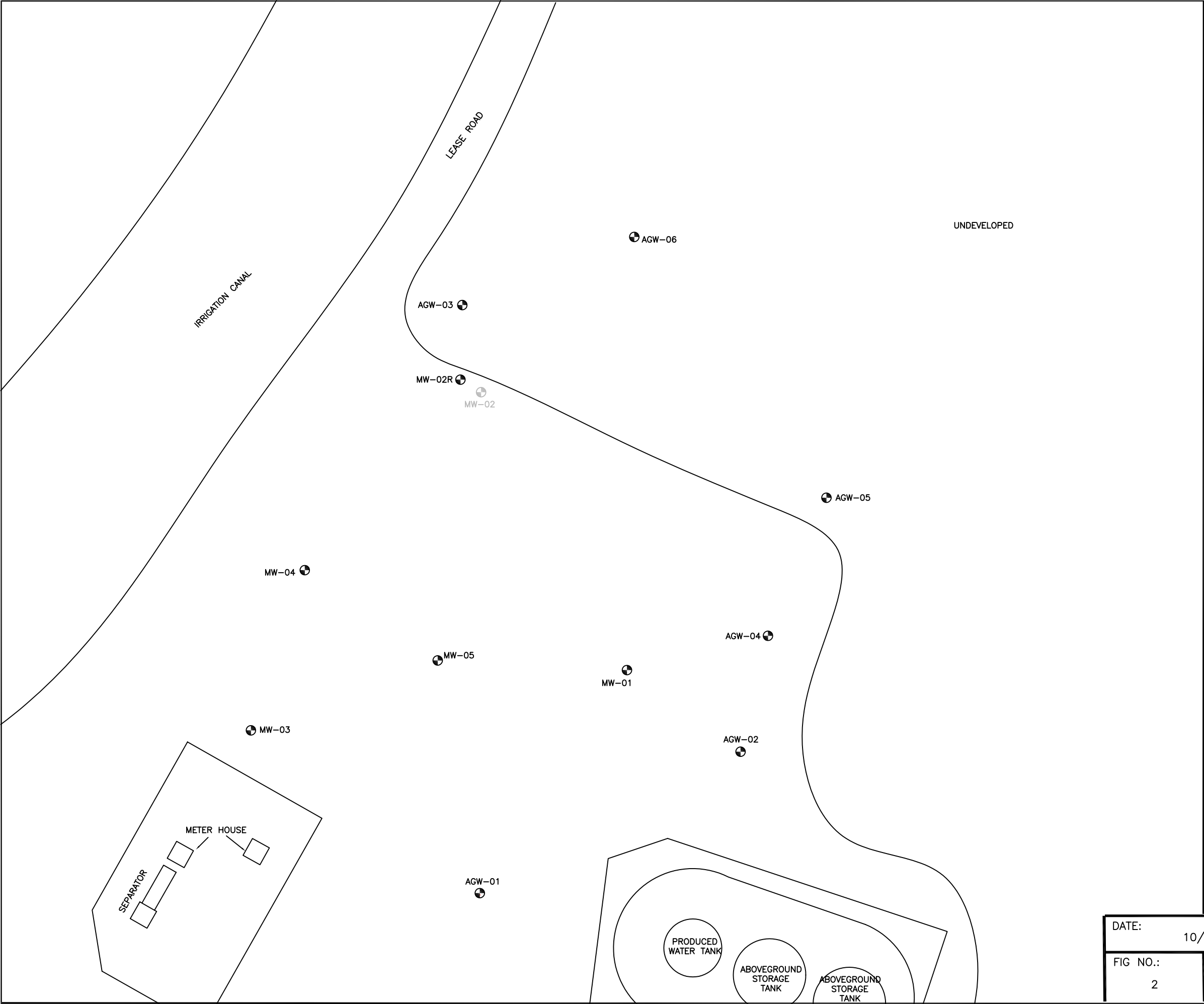
FIGURE 1
SITE LOCATION MAP
BROWN C UNIT #2
API # 05-123-18575
NW¼NW¼ SEC.5 T1N R68W 6PM
LAT./LONG.: 40.085008/-105.033419
WELD COUNTY, COLORADO



DRAWN BY: DC

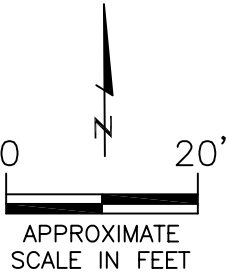
NOT TO SCALE

DATE: 11/1/13



- LEGEND
- APPROXIMATE MONITORING WELL LOCATION
 - APPROXIMATE DESTROYED MONITORING WELL LOCATION

NOTE: REPLACEMENT GROUNDWATER MONITORING WELL MW-02R WAS INSTALLED ON 8/2/13.

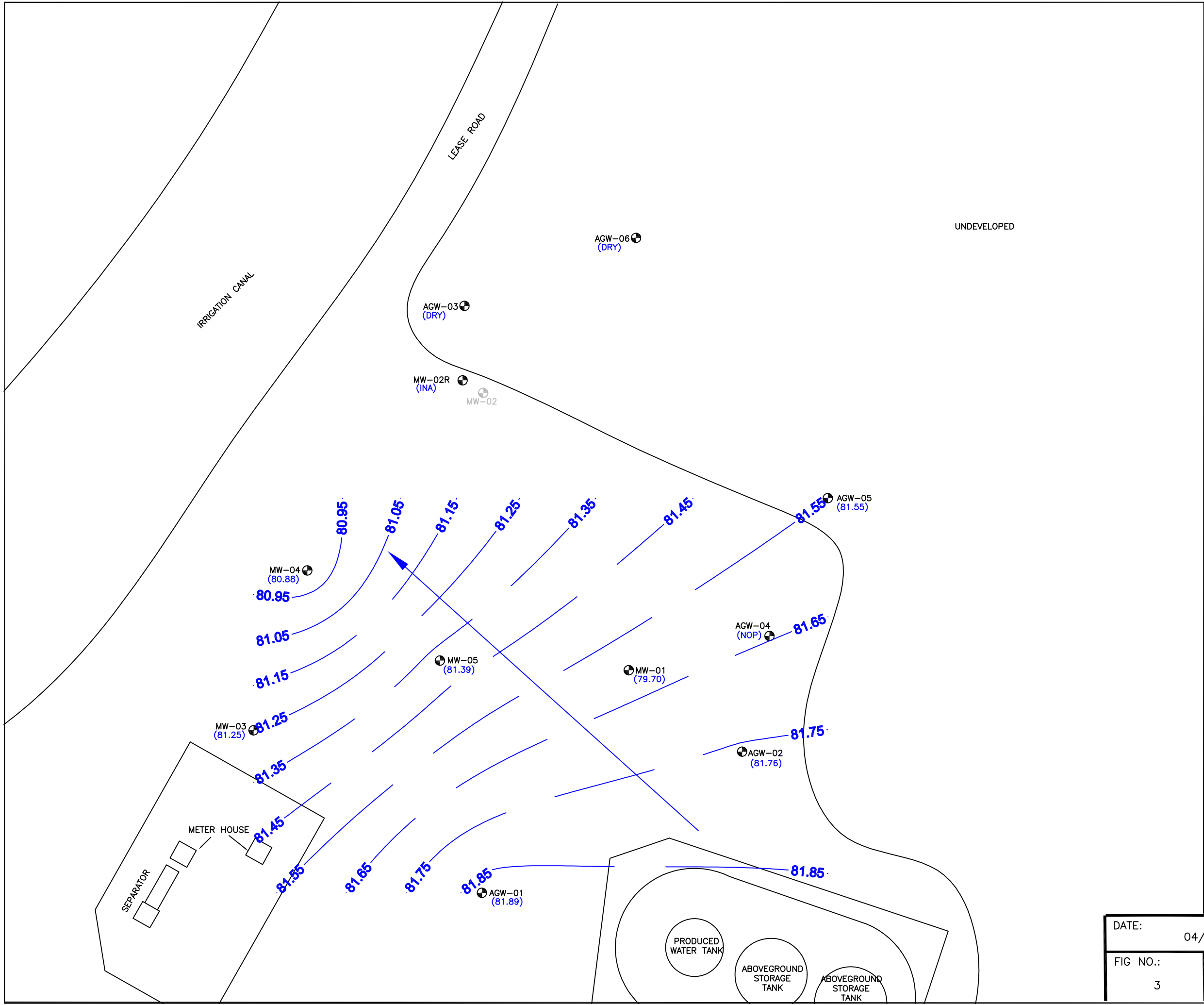


SITE MAP
BROWN C UNIT #2
API # 05-123-18575
NW¼NW¼ SEC.5 T1N R68W 6PM
LAT./LONG.: 40.085008/-105.033437
WELD COUNTY, COLORADO

DATE:	10/10/13
FIG NO.:	2
DRAWN BY:	mce



EAGLE
ENVIRONMENTAL
CONSULTING, INC.
4101 INCA STREET, DENVER, CO 80211
Ph: 303-433-0479 • F: 303-325-5449

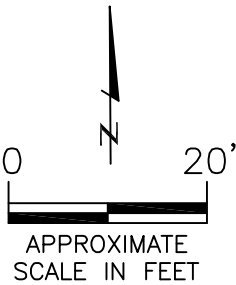


LEGEND

- APPROXIMATE MONITORING WELL LOCATION
- APPROXIMATE DESTROYED MONITORING WELL LOCATION
- (88.97) RELATIVE GROUNDWATER ELEVATION (FEET)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- INFERRED GROUNDWATER FLOW DIRECTION

(NOP) = NOT ON MONITORING PLAN
(INA) = INACCESSIBLE

NOTE: GROUNDWATER ELEVATION DATA COLLECTED FROM MONITORING WELL MW-01 WAS NOT UTILIZED WHEN CONSTRUCTING GROUNDWATER ELEVATION CONTOURS.

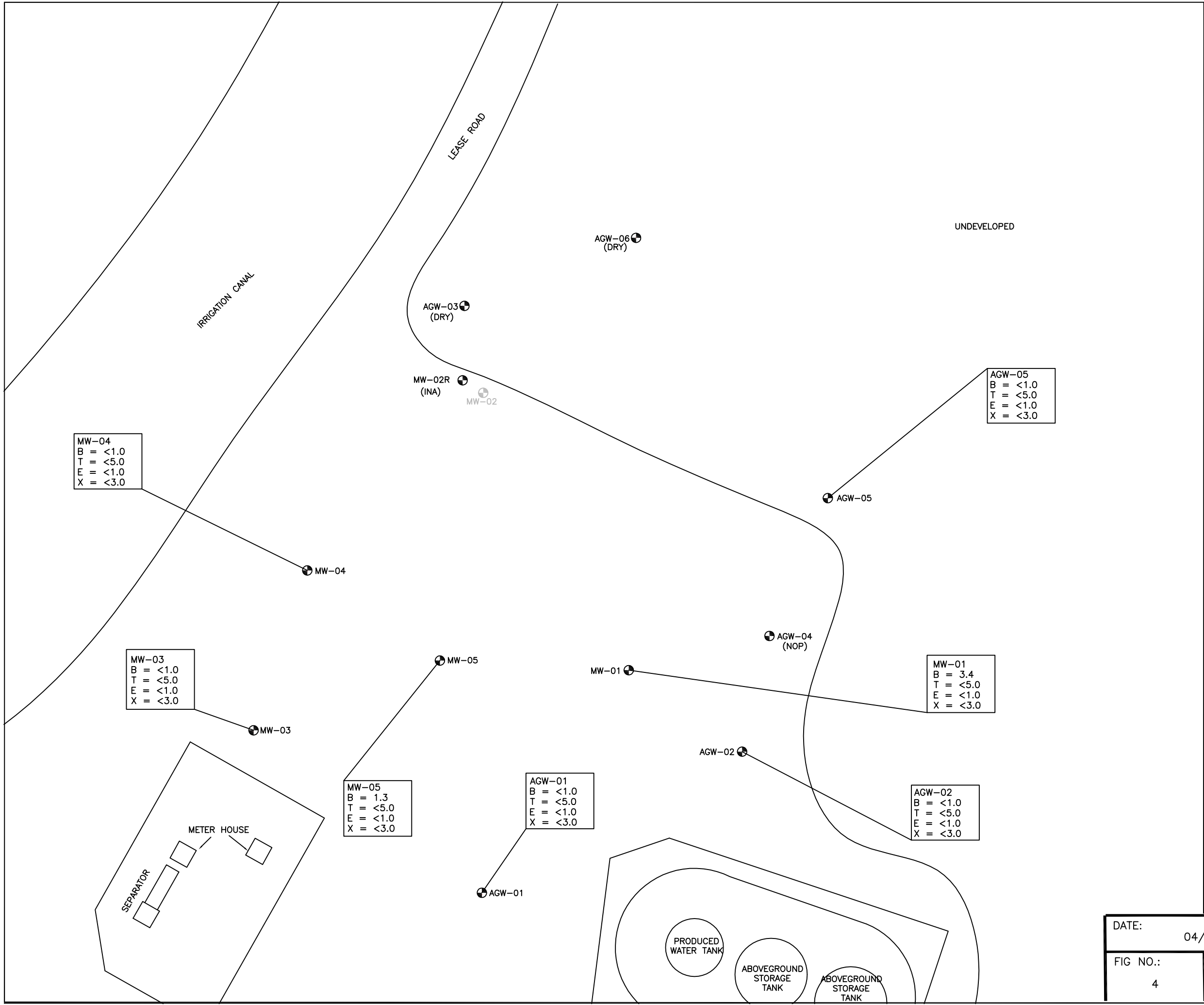


GROUNDWATER ELEVATION MAP
(03/10/15)
BROWN C UNIT #2
API# 05-123-18575
NW¼NW¼ SEC.5 T1N R68W 6PM
LAT./LONG.: 40.085008/-105.033419
WELD COUNTY, COLORADO

DATE:	04/23/15
FIG NO.:	3
DRAWN BY:	dc



EAGLE
ENVIRONMENTAL
CONSULTING, INC.
4101 INCA STREET, DENVER, CO 80211
Ph: 303-433-0479 • F: 303-325-5449



- LEGEND**
- APPROXIMATE MONITORING WELL LOCATION
 - APPROXIMATE DESTROYED MONITORING WELL LOCATION

PARAMETERS

SAMPLE LOCATION
B = BENZENE (µg/L)
T = TOLUENE (µg/L)
E = ETHYLBENZENE (µg/L)
X = TOTAL XYLENES (µg/L)

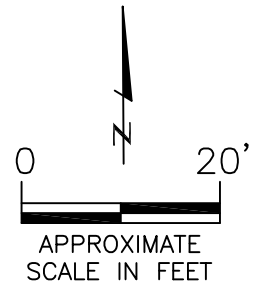
µg/L = MICROGRAMS PER LITER

NOTE: VALUES PRESENTED IN **BOLD** TYPEFACE EXCEED THE COGCC TABLE 910-1 REGULATORY LIMITS FOR THAT COMPOUND.

COGCC = COLORADO OIL AND GAS CONSERVATION COMMISSION

VALUES PRESENTED WITH A LESS THAN SYMBOL (<) INDICATE CONCENTRATIONS WERE NOT OBSERVED AT THE LABORATORY REPORTING LIMIT.

NOP = NOT ON PLAN
INA = INACCESSIBLE



GROUNDWATER SAMPLE LOCATION MAP
(03/10/15)
BROWN C UNIT #2
API# 05-123-18575
NW¼NW¼ SEC.5 T1N R68W 6PM
LAT./LONG.: 40.085008/-105.033419
WELD COUNTY, COLORADO

TABLES

Table 1: Soil Analytical Results Summary

Table 1A: Soil Analytical Results Summary – Semi Volatile Organics

Table 1B: Soil Analytical Results Summary – Metals and Inorganics

Table 2: Groundwater Elevation and Parameter Summary

Table 3: Groundwater Analytical Results Summary

TABLE 1
SOIL ANALYTICAL RESULTS SUMMARY
BROWN C UNIT #2
API # 05-123-18575
NW¼NW¼ SEC.5 T1N R68W 6PM
LAT./LONG.: 40.085008/-105.033419
WELD COUNTY, COLORADO

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)
COGCC Table 910-1 Regulatory Limit (mg/kg)			0.17	85	100	175	500	
SB-01	12/08/11	NR	<0.0050	<0.0050	<0.0050	0.013	<0.50	<50
SB-02	12/08/11	NR	<0.0050	<0.0050	<0.0050	<0.0050	<0.50	<50
SB-03	12/08/11	NR	<0.0050	<0.0050	<0.0050	<0.0050	<0.50	<50
SB-04	12/08/11	NR	<0.0050	<0.0050	<0.0050	<0.0050	0.73	<50
SB-05	12/08/11	NR	<0.0050	<0.0050	<0.0050	0.018	0.67	<50
SB-06	12/08/11	NR	<0.0050	<0.0050	<0.0050	0.027	0.50	<50
MW-02R (40.173251803/-104.738071086)	08/02/13	4.0	<0.0025	<0.025	<0.0025	<0.0075	<0.50	<4.0

COGCC = Colorado Oil and Gas Conservation Commission

mg/kg = milligrams per kilogram

NA = Not Analyzed

NR = Not Recorded

TPH-GRO = Total Petroleum Hydrocarbons - Gasoline Range Organics

TPH-DRO = Total Petroleum Hydrocarbons - Diesel Range Organics

mmhos/cm = millimhos per centimeter

SAR = Sodium Adsorption Ratio

Note: Values presented in bold typeface exceed their respective COGCC Table 910-1 Regulatory Limits.

TABLE 1A
SOIL ANALYTICAL RESULTS SUMMARY - SEMI VOLATILE ORGANICS
BROWN C UNIT #2
API # 05-123-18575
NW¼NW¼ SEC.5 T1N R68W 6PM
LAT./LONG.: 40.085008/-105.033419
WELD COUNTY, COLORADO

Sample Location	Date	Approximate Depth (feet)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo(A)anthracene (mg/kg)	Benzo(B)fluoranthene (mg/kg)	Benzo(k)fluoranthene (mg/kg)	Benzo(A)pyrene (mg/kg)	Chrysene (mg/kg)	Dibenzo(A,H)anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno(1,2,3,C,D)pyrene (mg/kg)	Naphthalene (mg/kg)	Pyrene (mg/kg)
COGCC Table 910-1 Regulatory Limit (mg/kg)			1,000	1,000	0.22	0.22	2.2	0.022	22	0.022	1,000	1,000	0.22	23	1,000
MW-02R	08/02/13	4	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.20	<0.060

COGCC = Colorado Oil and Gas Conservation Commission

mg/kg = milligrams per kilogram

< = indicates result is less than the stated laboratory reporting limit

NA = Not analyzed

NM = Not Measured

* = Data collected from previous consultant prior to May 2013.

TPH-GRO = Total Petroleum Hydrocarbons -Gasoline Range Organics

TPH-DRO = Total Petroleum Hydrocarbons -Diesel Range Organics

Note: Values presented in bold typeface exceed their respective COGCC Table 910-1 Regulatory Limits.

COGCC request naphthalene analysis on 03/18/13.

TABLE 1B
 SOIL ANALYTICAL RESULTS SUMMARY - METALS AND INORGANICS
 BROWN C UNIT #2
 API # 05-123-18575
 NW¼NW¼ SEC.5 T1N R68W 6PM
 LAT./LONG.: 40.085008/-105.033419
 WELD COUNTY, COLORADO

			Metals											Inorganics			
Sample Location	Depth (feet)	Date	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (III) (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)	Electrical Conductivity (EC)	Sodium Adsorption Ratio (SAR)	pH
COGCC Table 910-1 Regulatory Limit (mg/kg) (May 2013)			0.39	15,000	70	120,000	23	3,100	400	23	1,600	390	390	23,000	<4mmhos/cm	<12^5	6-9
MW-02R	4.0	08/02/13	5.2	130	<0.25	12	<10	16	16	0.024	7.8	2.4	<0.50	58	2.3	7.1	8.1

COGCC = Colorado Oil and Gas Conservation Commission
 mg/kg = milligrams per kilogram
 mmhos/cm = millimhos per centimeter
 < = indicates result is less than the stated laboratory reporting limit
 Note: Values presented in bold typeface exceed their respective COGCC Table 910-1 Regulatory Limits.

TABLE 3
GROUNDWATER ELEVATION AND PARAMETER SUMMARY
BROWN C UNIT #2
API# 05-123-18575
NW¼NW¼ SEC.5 T1N R68W 6PM
LAT./LONG.: 40.085008/-105.033419
WELD COUNTY, COLORADO

Sample Location	Date	Depth to Groundwater (feet)	TOC Elevation (feet)	Relative Groundwater Elevation (feet)	Dissolved Oxygen (mg/L)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP (mV)
MW-01	01/22/08	15.19	92.36	77.17	NM	NM	NM	NM	NM
	04/22/08	14.44		77.92	NM	NM	NM	NM	NM
	08/07/08	8.32		84.04	NM	NM	NM	NM	NM
	10/21/08	9.22		83.14	NM	NM	NM	NM	NM
	01/21/09	11.68		80.68	NM	NM	NM	NM	NM
	04/21/09	10.25		82.11	NM	NM	NM	NM	NM
	07/31/09	6.07		86.29	NM	NM	NM	NM	NM
	10/22/09	6.91		85.45	NM	NM	NM	NM	NM
	01/19/10	NM		NM	NM	NM	NM	NM	NM
	04/21/10	11.12		81.24	NM	NM	NM	NM	NM
	07/21/10	5.48		86.88	NM	NM	NM	NM	NM
	10/21/10	6.18		86.18	NM	NM	NM	NM	NM
	01/20/11	11.05		81.31	NM	NM	NM	NM	NM
	03/22/11	13.14		79.22	NM	NM	NM	NM	NM
	06/24/11	5.98		86.38	NM	NM	NM	NM	NM
	09/20/11	6.10		86.26	NM	NM	NM	NM	NM
	12/19/11	9.46		82.90	NM	NM	NM	NM	NM
	03/20/12	12.13		80.23	NM	NM	NM	NM	NM
	06/04/12	6.38		85.98	NM	NM	NM	NM	NM
	09/10/12	6.12		86.24	NM	NM	NM	NM	NM
	12/31/12	10.87		81.49	NM	NM	NM	NM	NM
	03/15/13	13.09		79.27	0.19	12.14	7.14	1070	-168.1
	06/20/13	NOP		NOP	NOP	NOP	NOP	NOP	NOP
	08/05/13	5.88		86.48	0.46	16.90	7.41	964	-165.6
	09/26/13	6.01		86.35	2.95	18.32	7.22	1188	-139.5
	12/20/13	10.15		82.21	0.45	12.40	7.22	1289	-106.9
	03/26/14	12.63		79.73	0.64	11.4	7.31	874	4.9
	06/30/14	6.32		86.04	1.41	14.3	7.37	1170	-168.1
	09/24/14	6.40		85.96	0.42	16.6	7.08	878	-73.7
	12/23/14	10.44		81.92	0.72	11.7	7.24	1243	-11.2
	03/10/15	12.66		79.70	0.54	12.0	7.02	1,229	-163.3
MW-02	01/22/08	12.23	DES	NM	NM	NM	NM	NM	NM
	04/22/08	9.16		NM	NM	NM	NM	NM	NM
	08/07/08	4.36		NM	NM	NM	NM	NM	NM
	10/21/08	5.43		NM	NM	NM	NM	NM	NM
	01/21/09	12.15		NM	NM	NM	NM	NM	NM
	04/21/09	8.07		NM	NM	NM	NM	NM	NM
	07/31/09	4.95		NM	NM	NM	NM	NM	NM
	10/22/09	6.41		NM	NM	NM	NM	NM	NM
	01/19/10	12.26		NM	NM	NM	NM	NM	NM
	04/21/10	8.70		NM	NM	NM	NM	NM	NM
	07/21/10	4.43		NM	NM	NM	NM	NM	NM
	10/21/10	5.35		NM	NM	NM	NM	NM	NM
	01/20/11	11.63		NM	NM	NM	NM	NM	NM
	03/22/11	NM		NM	NM	NM	NM	NM	NM
	06/23/11	4.91		NM	NM	NM	NM	NM	NM
MW-02R	09/20/11	5.32		NM	NM	NM	NM	NM	NM
	12/19/11	DES				DES			
	08/05/13	4.08	93.08	89.00	0.38	17.2	7.16	1849	-117.3
	09/25/13	4.92		88.16	0.34	18.16	7.03	1877	-177.7
	12/20/13	9.68		83.4	0.49	12.9	6.97	1399	-90.9
	03/26/14	12.12		80.96	0.53	11.7	7.13	861	-6.0
	06/30/14	4.32		88.76	1.87	15.6	7.06	2207	-160.2
	09/24/14	4.61		88.47	1.46	17.6	6.91	1805	17.5
	12/23/14	9.95		83.13	2.25	11.9	6.95	2041	-4.0
	03/10/15	INA				INA			
MW-03	01/22/08	12.48	94.42	81.94	NM	NM	NM	NM	NM
	04/22/08	8.96		85.46	NM	NM	NM	NM	NM
	08/07/08	4.75		89.67	NM	NM	NM	NM	NM
	10/21/08	5.71		88.71	NM	NM	NM	NM	NM
	01/21/09	12.12		82.30	NM	NM	NM	NM	NM
	04/21/09	8.25		86.17	NM	NM	NM	NM	NM
	07/31/09	5.35		89.07	NM	NM	NM	NM	NM
	10/22/09	6.73		87.69	NM	NM	NM	NM	NM
	01/19/10	12.06		82.36	NM	NM	NM	NM	NM
	04/21/10	8.85		85.57	NM	NM	NM	NM	NM
	07/21/10	4.95		89.47	NM	NM	NM	NM	NM
	10/21/10	5.77		88.65	NM	NM	NM	NM	NM
	01/20/11	11.60		82.82	NM	NM	NM	NM	NM
	03/22/11	13.56		80.86	NM	NM	NM	NM	NM
	06/23/11	5.36		89.06	NM	NM	NM	NM	NM
	09/20/11	5.75		88.67	NM	NM	NM	NM	NM
	02/19/11	10.06		84.36	NM	NM	NM	NM	NM
	03/20/12	12.66		81.76	NM	NM	NM	NM	NM
	06/04/12	5.76		88.66	NM	NM	NM	NM	NM
	09/10/12	5.76		88.66	NM	NM	NM	NM	NM
	12/31/12	11.41		83.01	NM	NM	NM	NM	NM
	03/15/13	13.43		80.99	0.12	12.43	6.89	929	261.5
	06/20/13	NOP		NOP	NOP	NOP	NOP	NOP	NOP
	09/25/13	NOP		NOP	NOP	NOP	NOP	NOP	NOP
	12/20/13	NOP		NOP	NOP	NOP	NOP	NOP	NOP
	03/26/14	13.16		81.26	1.29	12.3	7.37	831	80.6
	06/30/14	5.46		88.96	5.06	14.5	7.57	876	70.4
	09/24/14	5.78		88.64	2.99	17.0	7.52	573	107.3
	12/23/14	11.03		83.39	1.04	12.7	7.36	895	-23.1
	03/10/15	13.17		81.25	2.16	12.3	7.04	1,154	2.0

TABLE 3
GROUNDWATER ELEVATION AND PARAMETER SUMMARY
BROWN C UNIT #2
API# 05-123-18575
NW¼NW¼ SEC.5 T1N R68W 6PM
LAT./LONG.: 40.085008/-105.033419
WELD COUNTY, COLORADO

Sample Location	Date	Depth to Groundwater (feet)	TOC Elevation (feet)	Relative Groundwater Elevation (feet)	Dissolved Oxygen (mg/L)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP (mV)
MW-04	01/22/08	12.44	93.61	81.17	NM	NM	NM	NM	NM
	04/22/08	7.80		85.81	NM	NM	NM	NM	NM
	08/07/08	3.75		89.86	NM	NM	NM	NM	NM
	10/21/08	4.82		88.79	NM	NM	NM	NM	NM
	01/21/09	11.71		81.90	NM	NM	NM	NM	NM
	04/21/09	6.79		86.82	NM	NM	NM	NM	NM
	07/31/09	4.35		89.26	NM	NM	NM	NM	NM
	10/22/09	6.03		87.58	NM	NM	NM	NM	NM
	01/19/10	11.65		81.96	NM	NM	NM	NM	NM
	04/21/10	6.97		86.64	NM	NM	NM	NM	NM
	07/21/10	3.96		89.65	NM	NM	NM	NM	NM
	10/21/10	4.89		88.72	NM	NM	NM	NM	NM
	01/20/11	11.19		82.42	NM	NM	NM	NM	NM
	03/22/11	13.04		80.57	NM	NM	NM	NM	NM
	06/23/11	4.35		89.26	NM	NM	NM	NM	NM
	09/20/11	4.88		88.73	NM	NM	NM	NM	NM
	12/19/11	9.61		84.00	NM	NM	NM	NM	NM
	03/20/12	12.22		81.39	NM	NM	NM	NM	NM
	09/10/12	4.95		88.66	NM	NM	NM	NM	NM
	12/31/12	11.04		82.57	NM	NM	NM	NM	NM
	03/15/13	13.01		80.60	0.68	14.74	7.01	978	125.1
	06/20/13	4.34		89.27	1.88	14.44	7.59	1,297	33.0
	09/25/13	5.55		88.06	0.74	20.39	6.65	850	-7.6
	12/20/13	10.35		83.26	0.49	13.6	6.92	1,252	-47.1
	03/26/14	12.73		80.88	1.15	12.8	7.11	878	78.6
	06/30/14	4.40		89.21	3.35	15.4	7.03	1,187	83.2
	09/24/14	4.84		88.77	1.04	18.4	6.90	921	100.8
	12/23/14	10.60		83.01	1.35	13.0	6.96	1050	23.4
	03/10/15	12.73		80.88	1.09	12.8	6.73	1,249	-26.8
MW-05	01/22/08	15.48	97.38	NM	NM	NM	NM	NM	NM
	04/22/08	13.62		NM	NM	NM	NM	NM	NM
	08/07/08	8.06		NM	NM	NM	NM	NM	NM
	10/21/08	8.97		NM	NM	NM	NM	NM	NM
	01/21/09	15.03		NM	NM	NM	NM	NM	NM
	04/21/09	12.25		NM	NM	NM	NM	NM	NM
	07/31/09	8.74		NM	NM	NM	NM	NM	NM
	10/22/09	9.81		NM	NM	NM	NM	NM	NM
	01/19/10	15.02		NM	NM	NM	NM	NM	NM
	04/21/10	13.63		NM	NM	NM	NM	NM	NM
	07/21/10	8.27		NM	NM	NM	NM	NM	NM
	10/21/10	9.01		NM	NM	NM	NM	NM	NM
	01/20/11	14.42		NM	NM	NM	NM	NM	NM
	03/22/11	13.40		NM	NM	NM	NM	NM	NM
	06/23/11	8.71		NM	NM	NM	NM	NM	NM
	09/20/11	8.98		NM	NM	NM	NM	NM	NM
	12/19/11	12.80		NM	NM	NM	NM	NM	NM
	03/20/12	INA		INA	INA	INA	INA	INA	INA
	08/05/13	8.61		88.77	0.46	16.90	7.41	964	-165.6
	09/25/13	9.05		88.33	0.40	18.21	7.00	1,580	-145.7
	12/20/13	13.51		83.87	0.81	13.20	6.89	1,457	-94.5
	03/26/14	16.00		81.38	0.53	13.0	7.02	848	9.1
	06/30/14	8.92		88.46	1.56	15.5	7.26	1,112	-175.3
	09/24/14	9.13		88.25	0.72	17.1	7.08	941	-53.6
	12/23/14	13.77		83.61	1.26	13.2	6.97	1,476	39.7
	03/10/15	15.99		81.39	0.56	13.3	6.85	1,151	-140.3
AGW-01	03/22/11	13.78	95.62	81.84	NM	NM	NM	NM	NM
	06/23/11	10.34		85.28	NM	NM	NM	NM	NM
	09/20/11	10.33		85.29	NM	NM	NM	NM	NM
	12/19/11	10.63		84.99	NM	NM	NM	NM	NM
	03/20/12	13.20		82.42	NM	NM	NM	NM	NM
	09/10/12	7.26		88.36	NM	NM	NM	NM	NM
	12/31/12	11.91		83.71	NM	NM	NM	NM	NM
	03/15/13	14.07		81.55	6.00	14.14	7.26	925	235.8
	06/20/13	NOP		NOP	NOP	NOP	NOP	NOP	NOP
	09/25/13	NOP		NOP	NOP	NOP	NOP	NOP	NOP
	12/20/13	NOP		NOP	NOP	NOP	NOP	NOP	NOP
	03/26/14	13.71		81.91	4.30	13.1	7.32	826	34.3
	06/30/14	7.35		88.27	4.88	14.2	7.29	1,419	74.3
	09/24/14	7.60		88.02	2.17	16.9	7.11	1,119	110.5
	12/23/14	11.54		84.08	1.69	12.1	7.24	1,154	17.8
AGW-02	03/10/15	13.73		81.89	5.29	14.6	6.90	1,227	68.1
	03/22/11	13.15	96.92	83.77	NM	NM	NM	NM	NM
	06/23/11	8.95		87.97	NM	NM	NM	NM	NM
	09/20/11	8.91		88.01	NM	NM	NM	NM	NM
	12/19/11	11.92		85.00	NM	NM	NM	NM	NM
	03/20/12	14.57		82.35	NM	NM	NM	NM	NM
	09/10/12	8.90		88.02	NM	NM	NM	NM	NM
	12/31/12	13.31		83.61	NM	NM	NM	NM	NM
	03/15/13	15.49		81.43	0.60	13.07	7.27	1,546	278.0
	06/20/13	9.68		87.24	0.35	13.51	8.01	1,247	11.6
	09/25/13	8.53		88.39	0.61	15.03	7.25	1,315	15.6
	12/20/13	12.60		84.32	0.77	12.1	7.27	1,378	102.3
	03/26/14	15.08		81.84	2.06	11.9	7.42	1,322	79.7
	06/30/14	9.30		87.62	2.37	12.4	7.41	1,339	48.4
	09/24/14	9.29		87.63	1.11	14.3	7.33	883	137.1
	12/23/14	12.89		84.03	0.66	11.4	7.42	1,161	11.5
	03/10/15	15.16		81.76	1.93	12.5	6.96	1,854	-114.0

TABLE 3
GROUNDWATER ELEVATION AND PARAMETER SUMMARY
BROWN C UNIT #2
API# 05-123-18575
NW¼NW¼ SEC.5 T1N R68W 6PM
LAT./LONG.: 40.085008/-105.033419
WELD COUNTY, COLORADO

Sample Location	Date	Depth to Groundwater (feet)	TOC Elevation (feet)	Relative Groundwater Elevation (feet)	Dissolved Oxygen (mg/L)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP (mV)
AGW-03	03/22/11	NM	94.01	NM	NM	NM	NM	NM	NM
	06/23/11	6.77		87.24	NM	NM	NM	NM	NM
	09/20/11	5.91		88.10	NM	NM	NM	NM	NM
	12/19/11	10.10		83.91	NM	NM	NM	NM	NM
	03/20/12	12.71		81.30	NM	NM	NM	NM	NM
	06/14/12	5.34		88.67	NM	NM	NM	NM	NM
	09/10/12	5.53		88.48	NM	NM	NM	NM	NM
	12/31/12	11.54		82.47	NM	NM	NM	NM	NM
	03/15/13	13.63		80.38	INSUFFICIENT WATER - NOT MEASURED				
	06/20/13	5.02		88.99	2.02	13.84	7.92	945	28.7
	09/25/13	5.88		88.13	2.37	18.17	7.66	618	-39.3
	12/20/13	10.86		83.15	1.89	10.8	7.3	895	-6.2
	03/26/14	DRY				DRY			
	06/30/14	5.02		88.99	3.18	14.6	7.31	742	50.2
	09/24/14	5.50		88.51	1.34	17.7	7.14	709	112.1
	12/23/14	11.11		82.90	3.61	10.1	6.94	660	30.5
	03/10/15	DRY				DRY			
AGW-04	03/22/11	13.30	97.51	84.21	NM	NM	NM	NM	NM
	06/23/11	9.27		88.24	NM	NM	NM	NM	NM
	09/20/11	9.40		88.11	NM	NM	NM	NM	NM
	12/19/11	12.69		84.82	NM	NM	NM	NM	NM
	03/20/12	15.34		82.17	NM	NM	NM	NM	NM
	09/10/12	9.43		88.08	NM	NM	NM	NM	NM
	12/31/12	14.09		83.42	NM	NM	NM	NM	NM
	03/15/13	16.31		81.20	0.27	12.47	7.45	833	26.5
	06/20/13	NOP		NOP	NOP	NOP	NOP	NOP	NOP
	09/25/13	NOP		NOP	NOP	NOP	NOP	NOP	NOP
	12/20/13	NOP		NOP	NOP	NOP	NOP	NOP	NOP
	03/26/14	NOP		NOP	NOP	NOP	NOP	NOP	NOP
	06/30/14	NOP		NOP	NOP	NOP	NOP	NOP	NOP
	09/24/14	NOP		NOP	NOP	NOP	NOP	NOP	NOP
	12/23/14	NOP		NOP	NOP	NOP	NOP	NOP	NOP
	03/10/15	NOP		NOP	NOP	NOP	NOP	NOP	NOP
AGW-05	03/22/11	13.17	97.33	84.16	NM	NM	NM	NM	NM
	06/23/11	8.89		88.44	NM	NM	NM	NM	NM
	09/20/11	9.20		88.13	NM	NM	NM	NM	NM
	12/19/11	12.60		84.73	NM	NM	NM	NM	NM
	03/20/12	15.22		82.11	NM	NM	NM	NM	NM
	09/10/12	9.25		88.08	NM	NM	NM	NM	NM
	12/31/12	14.04		83.29	NM	NM	NM	NM	NM
	03/15/13	16.22		81.11	1.70	13.98	7.21	795	109.9
	06/20/13	9.67		87.66	4.43	12.93	8.17	894	18.9
	09/25/13	8.84		88.49	2.21	15.26	7.53	919	11.0
	12/20/13	13.33		84.00	3.91	11.7	7.47	908	81.4
	03/26/14	15.74		81.59	6.30	11.5	7.78	626	73.9
	06/30/14	9.35		87.98	3.92	12.8	7.52	935	64.9
	09/24/14	9.56		87.77	2.10	15.2	7.45	687	112.5
	12/23/14	13.60		83.73	1.25	11.3	7.57	805	16.0
	03/10/15	15.78		81.55	6.88	13.0	7.22	914	-15.9
AGW-06	03/22/11	NM	96.84	NM	NM	NM	NM	NM	NM
	06/23/11	7.83		89.01	NM	NM	NM	NM	NM
	09/20/11	8.38		88.46	NM	NM	NM	NM	NM
	12/19/11	12.69		84.15	NM	NM	NM	NM	NM
	03/20/12	14.98		81.86	NM	NM	NM	NM	NM
	09/10/12	8.51		88.33	NM	NM	NM	NM	NM
	12/31/12	14.14		82.70	NM	NM	NM	NM	NM
	03/15/13	15.05		81.79	INSUFFICIENT WATER - NOT MEASURED				
	06/20/13	8.37		88.47	3.80	12.87	8.15	917	22.6
	09/25/13	8.58		88.26	3.49	15.61	7.50	843	17.2
	12/20/13	13.48		83.36	2.93	11.4	7.42	867	69.2
	03/26/14	DRY				DRY			
	06/30/14	8.22		88.62	4.81	12.5	7.53	828	93.1
	09/24/14	8.36		88.48	2.03	14.2	7.41	569	105.7
	12/23/14	13.77		83.07	2.83	10.2	7.50	741	17.1
	03/10/15	DRY				DRY			

TOC = Top of Casing
mg/L = milligrams per liter
°C = degrees Celsius
mS/cm = microSiemens per centimeter
mV = millivolts

INA = Inaccessible
DES = Destroyed
ORP = oxygen reduction potential
NM = Not Measured
NOP = Not on Monitoring Plan

Note: Groundwater sample data collected prior to 6/20/13 was obtained by former consultants and provided to EAGLE

TABLE 3
GROUNDWATER ANALYTICAL RESULTS SUMMARY
BROWN C UNIT #2
API# 05-123-18575
NW¼NW¼ SEC.5 T1N R68W 6PM
LAT./LONG.: 40.085008/-105.03419
WELD COUNTY, COLORADO

Sample Location (Latitude/Longitude)	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Chloride (mg/L)	Nitrate (mg/L)	Sulfate mg/L)	Total Dissolved Solids (mg/L)
COGCC Table 910-1 Regulatory Limits (µg/L)		5	560	700	1,400	96.25*	N/A	450*	1,500*
(40.085427443/-105.034258113) MW-01	01/22/08	150	9.5	15	144	NA	NA	NA	NA
	04/22/08	180	3.9	7.6	26.2	NA	NA	NA	NA
	08/07/08	800	<1.0	49	14	NA	NA	NA	NA
	10/21/08	2,200	<1.0	86	27	NA	NA	NA	NA
	01/21/09	140	<1.0	9.5	17.5	NA	NA	NA	NA
	04/21/09	28	<1.0	<1.0	8.2	NA	NA	NA	NA
	07/31/09	1,600	<1.0	99	85	NA	NA	NA	NA
	10/22/09	1,700	<1.0	78	35	NA	NA	NA	NA
	01/19/10	COULD NOT LOCATE - NO SAMPLE							
	04/21/10	3.5	<1.0	<1.0	<1.0	NA	NA	NA	NA
	07/21/10	1,360	<1.0	43.6	65.3	NA	NA	NA	NA
	10/21/10	1,360	4.4	35.9	42	NA	NA	NA	NA
	01/20/11	23.7	3.1	<1.0	5.7	NA	NA	NA	NA
	03/22/11	9.7	<1.0	<1.0	5.9	NA	NA	NA	NA
	06/24/11	681	<1.0	45.1	50.7	NA	NA	NA	NA
	09/20/11	705	<1.0	30.4	64.9	NA	NA	NA	NA
	12/19/11	115	<1.0	9.4	33.5	NA	NA	NA	NA
	03/20/12	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	06/04/12	360	<1.0	1.1	21	NA	NA	NA	NA
	09/10/12	1,900	<1.0	75	110	NA	NA	NA	NA
	12/31/12	110	<1.0	1.4	<1.0	NA	NA	NA	NA
	03/15/13	5.6	<5.0	<1.0	<3.0	68	<0.10	31	670
	06/20/13	NOP							
	08/05/13	2000	<5.0	130	190	NA	NA	NA	NA
	09/26/13	730	<5.0	<1.0	58	NA	NA	NA	NA
	12/20/13	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	03/26/14	4.7	<5.0	<1.0	<3.0	78	<0.10	36	670
	06/30/14	340	<5.0	34	7.1	NA	NA	NA	NA
	09/24/14	2,100	<5.0	140	130	NA	NA	NA	NA
	12/23/14	460	<25	11	<15	NA	NA	NA	NA
	03/10/15	3.4	<5.0	<1.0	<3.0	NA	NA	NA	NA
MW-02	01/22/08	370	480	340	2,410	NA	NA	NA	NA
	04/22/08	FREE PRODUCT - NO SAMPLE							
	08/07/08	FREE PRODUCT - NO SAMPLE							
	10/21/08	FREE PRODUCT - NO SAMPLE							
	01/21/09	FREE PRODUCT - NO SAMPLE							
	04/21/09	FREE PRODUCT - NO SAMPLE							
	07/31/09	FREE PRODUCT - NO SAMPLE							
	10/22/09	FREE PRODUCT - NO SAMPLE							
	01/19/10	FREE PRODUCT - NO SAMPLE							
	04/21/10	52.8	<1.0	263	2,108	NA	NA	NA	NA
	07/21/10	171.00	<1.0	259	1,930	NA	NA	NA	NA
	10/21/10	3.90	<1.0	213	1,530	NA	NA	NA	NA
	01/20/11	FREE PRODUCT - NO SAMPLE							
	03/22/11	FREE PRODUCT - NO SAMPLE							
	06/23/11	FREE PRODUCT - NO SAMPLE							
	09/20/11	FREE PRODUCT - NO SAMPLE							
	12/19/11	WELL DESTROYED - NO SAMPLE							
(40.0855580/-105.0343550) MW-02R	08/05/13	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	09/25/13	<1.0	<5.0	2.4	8.0	NA	NA	NA	NA
	12/20/13	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	03/26/14	2.5	<5.0	7.0	4.1	87	<0.10	13	650
	06/30/14	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	09/24/14	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	12/23/14	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	03/10/15	INA - NO SAMPLE							
(40.085395264/-105.034536617) MW-03	01/22/08	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	04/22/08	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	08/07/08	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	10/21/08	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	01/21/09	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	04/21/09	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	07/31/09	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	10/22/09	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	01/19/10	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	04/21/10	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	07/21/10	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	10/21/10	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	01/20/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	03/22/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	06/23/11	0.78	<1.0	<1.0	<1.0	NA	NA	NA	NA
	09/20/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	02/19/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	03/20/12	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	06/04/12	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	09/10/12	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	12/31/12	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	03/15/13	<1.0	<5.0	<1.0	<3.0	44	0.90	91	630
	06/20/13	NOP							
	09/25/13	NOP							
	12/20/13	NOP							
	03/26/14	<1.0	<5.0	<1.0	<3.0	45	0.39	97	670
	06/30/14	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	09/24/14	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	12/23/14	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	03/10/15	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS SUMMARY
BROWN C UNIT #2
API# 05-123-18575
NW¼NW¼ SEC.5 T1N R68W 6PM
LAT./LONG.: 40.085008/-105.033419
WELD COUNTY, COLORADO

Sample Location (Latitude/Longitude)	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Chloride (mg/L)	Nitrate (mg/L)	Sulfate mg/L)	Total Dissolved Solids (mg/L)
COGCC Table 910-1 Regulatory Limits (µg/L)		5	560	700	1,400	96.25*	N/A	450*	1,500*
MW-04 (40.085486474/-105.034495525)	01/22/08	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	04/22/08	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	08/07/08	<1.0	33	<1.0	<1.0	NA	NA	NA	NA
	10/21/08	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	01/21/09	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	04/21/09	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	07/31/09	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	10/22/09	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	01/19/10	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	04/21/10	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	07/21/10	<1.0	1.2	<1.0	<1.0	NA	NA	NA	NA
	10/21/10	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	01/20/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	03/22/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	06/23/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	09/20/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	12/19/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	03/20/12	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	09/10/12	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	12/31/12	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	03/15/13	<1.0	<5.0	<1.0	<3.0	45	1.6	91	650
	06/20/13	<0.5	<5.0	<0.5	<1.5	NA	NA	NA	NA
	09/25/13	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	12/20/13	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	03/26/14	<1.0	<5.0	<1.0	<3.0	54	2.3	99	700
	06/30/14	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	09/24/14	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	12/23/14	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	03/10/15	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
MW-05 (40.085430/-105.0343710)	01/22/08	720	57	78	1,110	NA	NA	NA	NA
	04/22/08	11	3.5	4.0	14.9	NA	NA	NA	NA
	08/07/08	200	11	30	200	NA	NA	NA	NA
	10/21/08	57	<1.0	24	145	NA	NA	NA	NA
	01/21/09	27	<1.0	3.6	22.9	NA	NA	NA	NA
	04/21/09	380	<1.0	110	790	NA	NA	NA	NA
	07/31/09	450	<1.0	100	495	NA	NA	NA	NA
	10/22/09	440	<1.0	100	578	NA	NA	NA	NA
	01/19/10	3.5	<1.0	<1.0	3.0	NA	NA	NA	NA
	04/21/10	6.4	<1.0	<1.0	7.6	NA	NA	NA	NA
	07/21/10	440	<1.0	82.7	305	NA	NA	NA	NA
	10/21/10	63.6	<1.0	29.3	57.6	NA	NA	NA	NA
	01/20/11	14.6	<1.0	<1.0	<1.0	NA	NA	NA	NA
	03/22/11	0.66	<1.0	<1.0	<1.0	NA	NA	NA	NA
	06/23/11	286	<1.0	12.4	26.3	NA	NA	NA	NA
	09/20/11	201	<1.0	29.8	105	NA	NA	NA	NA
	12/19/11	32.2	<1.0	1.5	<1.0	NA	NA	NA	NA
	03/20/12				INACCESSIBLE - NO SAMPLE				
	08/05/13	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	09/25/13	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	12/20/13	1.5	<5.0	<1.0	<3.0	NA	NA	NA	NA
	03/26/14	2.2	<5.0	<1.0	<3.0	58	0.15	72	640
	06/30/14	4.2	<5.0	<1.0	<3.0	NA	NA	NA	NA
	09/24/14	3.5	<5.0	<1.0	<3.0	NA	NA	NA	NA
	12/23/14	50	<5.0	<1.0	<3.0	NA	NA	NA	NA
	03/10/15	1.3	<5.0	<1.0	<3.0	NA	NA	NA	NA
AGW-01 (40.085301910/-105.034367487)	03/22/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	06/23/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	09/20/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	12/19/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	03/20/12	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	09/10/12	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	12/31/12	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	03/15/13	<1.0	<5.0	<1.0	<3.0	46	3.8	96	600
	06/20/13				NOP				
	09/25/13				NOP				
	12/20/13				NOP				
	03/26/14	<1.0	<5.0	<1.0	<3.0	47	4.1	110	660
	06/30/14	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	09/24/14	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	12/23/14	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	03/10/15	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
AGW-02 (40.085381409/-105.034176180)	03/22/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	06/23/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	09/20/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	12/19/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	03/20/12	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	09/10/12	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	12/31/12	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	03/15/13	<1.0	<5.0	<1.0	<3.0	77	12	360	1,200
	06/20/13	<0.5	<5.0	<0.5	<1.5	NA	NA	NA	NA
	09/25/13	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	12/20/13	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	03/26/14	<1.0	<5.0	<1.0	<3.0	72	15	450	1,300
	06/30/14	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	09/24/14	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	12/23/14	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	03/10/15	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS SUMMARY
BROWN C UNIT #2
API# 05-123-18575
NW¼NW¼ SEC.5 T1N R68W 6PM
LAT./LONG.: 40.085008/-105.033419
WELD COUNTY, COLORADO

Sample Location (Latitude/Longitude)	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Chloride (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)
COGCC Table 910-1 Regulatory Limits (µg/L)		5	560	700	1,400	96.25*	N/A	450*	1,500*
AGW-03 (40.085636627/-105.034378693)	03/22/11	DRY - NO SAMPLE							
	06/23/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	09/20/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	12/19/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	03/20/12	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	06/14/12	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	09/10/12	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	12/31/12	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	03/15/13	DRY - NO SAMPLE							
	06/20/13	<0.5	<5.0	<0.5	<1.5	NA	NA	NA	NA
	09/25/13	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	12/20/13	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	03/26/14	DRY - NO SAMPLE							
	06/30/14	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	09/24/14	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	12/23/14	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	03/10/15	DRY - NO SAMPLE							
	03/22/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	06/23/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	09/20/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	12/19/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	03/20/12	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	09/10/12	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	12/31/12	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	03/15/13	<1.0	<5.0	<1.0	<1.0	NA	1.1	92	650
	06/20/13	NOP							
	09/25/13	NOP							
	12/20/13	NOP							
	03/26/14	NOP							
	06/30/14	NOP							
	09/24/14	NOP							
	12/23/14	NOP							
	03/10/15	NOP							
AGW-05 (40.085525107/-105.034110281)	03/22/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	06/23/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	09/20/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	12/19/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	03/20/12	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	09/10/12	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	12/31/12	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	03/15/13	<1.0	<5.0	<1.0	<3.0	41	1.5	97	510
	06/20/13	<0.5	<5.0	<0.5	<1.5	NA	NA	NA	NA
	09/25/13	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	12/20/13	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	03/26/14	<1.0	<5.0	<1.0	<3.0	47	1.8	100	530
	06/30/14	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	09/24/14	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	12/23/14	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	03/10/15	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	03/22/11	DRY - NO SAMPLE							
	06/23/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	09/20/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	12/19/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	03/20/12	INSUFFICIENT WATER - NO SAMPLE							
	09/10/12	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	12/31/12	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	03/15/13	INSUFFICIENT WATER - NO SAMPLE							
	06/20/13	<0.5	<5.0	<0.5	<1.5	NA	NA	NA	NA
	09/25/13	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	12/20/13	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	03/26/14	DRY - NO SAMPLE							
	06/30/14	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	09/24/14	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	12/23/14	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	03/10/15	DRY - NO SAMPLE							
AGW-06 (40.085675485/-105.034250889)	03/22/11	DRY - NO SAMPLE							
	06/23/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	09/20/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	12/19/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	03/20/12	INSUFFICIENT WATER - NO SAMPLE							
	09/10/12	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	12/31/12	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	03/15/13	INSUFFICIENT WATER - NO SAMPLE							
	06/20/13	<0.5	<5.0	<0.5	<1.5	NA	NA	NA	NA
	09/25/13	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	12/20/13	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	03/26/14	DRY - NO SAMPLE							
	06/30/14	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	09/24/14	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	12/23/14	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	03/10/15	DRY - NO SAMPLE							
	03/22/11	DRY - NO SAMPLE							
	06/23/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	09/20/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	12/19/11	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	03/20/12	INSUFFICIENT WATER - NO SAMPLE							
	09/10/12	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	12/31/12	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	03/15/13	INSUFFICIENT WATER - NO SAMPLE							
	06/20/13	<0.5	<5.0	<0.5	<1.5	NA	NA	NA	NA
	09/25/13	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	12/20/13	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	03/26/14	DRY - NO SAMPLE							
	06/30/14	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	09/24/14	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	12/23/14	<1.0	<5.0	<1.0	<3.0	NA	NA	NA	NA
	03/10/15	DRY - NO SAMPLE							

COGCC = Colorado Oil and Gas Conservation Commission

NOP = Not on Monitoring plan

µg/L = micrograms per liter

NA = Not Analyzed

mg/l = milligrams per liter

INA = Inaccessible

<= indicates result is less than the stated laboratory reporting limit

Note:

Values presented in bold typeface exceed their respective COGCC Table 910-1 Regulatory Limit.

* - <1.25 x background concentration, "Brown C Unit #2 - AGW02 - 3/15/13" used as background concentration, COGCC Table 910-1 Regulatory Limits provided in mg/L.

Groundwater sample data collected prior to 6/20/13 was obtained by former consultants and provided to EAGLE.

ATTACHMENT A

Soil Boring Log/Well Completion Diagram

PAGE 1 OF 1

ft. = feet
BoB = Bottom of Boring
N/O = No Odor
N/S = No Staining

EAGLE
ENVIRONMENTAL
CONSULTING, INC.

4101 INCA STREET, DENVER, CO 80211
Ph: 303-433-0479 - F: 303-325-5449

ATTACHMENT B

Colorado Division of Water Resources Well Permit

RECEIVED

JUL 29 2013

GWS-51
4/2012

NOTICE OF INTENT TO CONSTRUCT MONITORING HOLE(S)

Please type or print legibly in black or blue ink or file online @ gwrpermitsonline@state.co.us

COLORADO DIVISION OF WATER RESOURCES-1313 SHERMAN ST-STE B21-DENVER-CO-80203

PHONE: 303-866-3581—FAX: 303-866-3589 WEB: www.water.state.co.usWATER RESOURCES
STATE ENGINEER
COLO.Well Owner Name(s): Encana Oil and Gas Inc.Address: 3601 Stagecoach Road, Longmont, CO 80504Phone (area code & no.): (303) 774-3900Landowner's Name: ~~Encana Oil and Gas Inc.~~ Highland Farms Homeowners Association

Please check one and complete as indicated including contact info:

☐ Water Well Driller Licensed in Colorado — Lic. No. _____☐ Professional Engineer Registered in Colorado — Reg. No. _____☐ Professional Geologist per CRS 34-1-201(3)☒ Other — anyone directly employed by or under the supervision of a licensed driller, registered professional engineer or professional geologistContact / Company Eagle Environmental ConsultingAddress 4101 Inca StreetCity, State & Zip Denver, CO 80211Phone (303) 433-0479Fax (303) 325-5449Print Name: Martin Eckert IIISign or enter full name here: Martin Eckert IIILocation: NW $\frac{1}{4}$ NW $\frac{1}{4}$, Section 5Township 1 ☒ N ☐ S, Range 68 ☐ E ☒ W, 6 PMCounty Weld, CO

Subdivision: _____

Lot: _____ Block: _____ Filing Unit: _____

Site/Property Address Lat./Long.40.085008/-105.033419

GPS Location in UTM format (optional):

Set GPS unit to true north, datum NAD83, and use meters for the distance units. ☐ Zone 12 or ☒ Zone 13.

Easting _____ Northing _____

of Monitoring Hole(s) to be constructed: 2Estimated Depth 17 Ft., Aquifer Type IIIPurpose of Monitoring Hole(s) monitor groundwaterAnticipated Date of Construction (mm/dd/yyyy) 08/02/2013Date Notice Submitted (mm/dd/yyyy): 07/29/2013

(Must be at least 3 days prior to construction)

ACKNOWLEDGEMENT FROM STATE ENGINEER'S OFFICE
FOR OFFICE USE ONLY

051775 - MH PROCESSED BY [Signature]

Div. 1 WD 12 BAS _____ MD _____ DATE ACKNOWLEDGED 07-30-13

CONDITIONS OF MONITORING HOLE ACKNOWLEDGEMENT

A COPY OF THE WRITTEN NOTICE OR ACKNOWLEDGEMENT SHALL BE AVAILABLE AT THE DRILLING SITE.

- 1) Notice was provided to the State Engineer at least 3 days prior to construction of monitoring & observation hole(s).
- 2) Construction of the hole(s) must be completed within 90 days of the date notice was given to the State Engineer. Testing and/or pumping shall not exceed a total of 200 hours unless prior written approval is obtained from the State Engineer. Water diverted during testing shall not be used for beneficial purposes. The owner of the hole(s) is responsible for obtaining permit(s) and complying with all rules and regulations pertaining to the discharge of fluids produced during testing.
- 3) All work must comply with the Water Well Construction Rules, 2 CCR 402-2. Minimum construction standards must be met or a variance obtained. Standard permit application and work report forms, including online filing instructions, are found on the DWR website at <http://www.water.state.co.us>. Well Construction and Test Reports (GWS-31) must be completed for each hole drilled. The licensed contractor or authorized individual must submit the completed forms to this office within 60 days of monitoring hole completion.
- 4) Unless a well permit is obtained, the hole(s) must be plugged and sealed within one (1) year after construction. An Abandonment Report (form GWS-9) must be submitted within 60 days of plugging & sealing. The above MH acknowledgement number, owner's structure name, and owner's name and address must be provided on all well permit application(s), well construction and abandonment reports.
- 5) The owner of the hole(s) shall maintain records of water quality testing and submit this data to the State Engineer upon request.
- 6) A MONITORING HOLE CANNOT BE CONVERTED TO A PRODUCTION WATER WELL, except for purposes of remediation (recovery) or as a permanent dewatering system, if constructed in accordance with the Water Well Construction Rules and policies of the State Engineer.
- 7) IF HOLES WILL NOT BE CONSTRUCTED UNDER THIS NOTICE WITHIN 90 DAYS, PLEASE WRITE, "NO HOLES CONSTRUCTED" ON A COPY OF THE ACKNOWLEDGED NOTICE WITH THE FILE NUMBER AND FAX THE COPY TO THE DIVISION OF WATER RESOURCES.

THIS ACKNOWLEDGEMENT OF NOTICE DOES NOT INDICATE THAT WELL PERMIT(S) CAN BE APPROVED.

8/5/13-Called DWR - they added

(Use above space for lands or additional conditions as needed)

Highland Farms Homeowner Associate in the comments
as surface owner on data base DC

FORM NO. GWS-31 4/2012		WELL CONSTRUCTION AND TEST REPORT STATE OF COLORADO, OFFICE OF THE STATE ENGINEER 1313 Sherman St., Ste 821, Denver, CO 80203 Main (303) 866-3581 Fax (303) 866-3589 www.water.state.co.us		For Office Use Only	
1. WELL PERMIT NUMBER: 051775					
2. WELL OWNER INFORMATION					
NAME OF WELL OWNER: Encana Oil and Gas Inc.					
MAILING ADDRESS: 3601 Stagecoach Road					
CITY: Longmont		STATE: CO		ZIP CODE: 80504	
TELEPHONE NUMBER w/area code: 303.774.3900					
3. WELL LOCATION AS DRILLED: NW 1/4, NW 1/4, Sec., 5 Twp 1 N or S, Range 68 E or W DISTANCES FROM SEC. LINES: 872 ft. from N or S section line and 794 ft. from E or W section line. SUBDIVISION: LOT BLOCK FILING (UNIT) Optional GPS Location: GPS Unit must use the following settings: Format must be UTM, Units must be meters, Datum must be NAD83, Unit must be set to true N, Zone 12 or Zone 13 STREET ADDRESS AT WELL LOCATION: 40.085008, -105.033419 Northing:					
4. GROUND SURFACE ELEVATION 5015 feet		DRILLING METHOD Hollow Stem Auger			
DATE COMPLETED 08/02/2013		TOTAL DEPTH 17 feet		DEPTH COMPLETED 17 feet	
5. GEOLOGIC LOG:					6. HOLE DIAM (in.) From (ft) To (ft)
Depth	Type	Grain Size	Color	Water Loc.	
0-8 Ft	Sandy Clay	fine-medium	dark brown	~12 ft bgs	6.25 0 17
8-17 Ft	silty clay		brown		
7. PLAIN CASING:					
OD (in)		Kind		Wall Size (in) From (ft) To (ft)	
2.375		PVC		0.154 0 3.5	
PERFORATED CASING: Screen Slot Size (in): 0.020					
2.375		PVC		0.154 3.5 17	
8. FILTER PACK:					9. PACKER PLACEMENT:
Material Silica Sand		Size 10/20			Type
Interval 2-17					Depth
10. GROUTING RECORD					
Material Bentonite		Amount		Density Interval Placement	
				1-2	
Remarks:					
11. DISINFECTION: Type Amt. Used					
12. WELL TEST DATA: Check box if Test Data is submitted on Form Number GWS 39 Supplemental Well Test.					
TESTING METHOD					
Static Level ft.		Date/Time measured:		Production Rate gpm.	
Pumping Level ft.		Date/Time measured		Test Length (hrs)	
Remarks:					
13. I have read the statements made herein and know the contents thereof, and they are true to my knowledge. This document is signed (or name entered if filing online) and certified in accordance with Rule 17.4 of the Water Well Construction Rules, 2 CCR 402-2. The filing of a document that contains false statements is a violation of section 37-91-108(1)(e), C.R.S., and is punishable by fines up to \$5000 and/or revocation of the contracting license. If filing online the State Engineer considers entering of licensed contractor name to be compliance with Rule 17.4					
Company Name: Eagle Environmental Consulting				Phone w/area code: 303.433.0479 License Number:	
Mailing Address: 4101 Inca Street, Denver, CO 80211					
Sign (or enter name if filing online) Daniel Coloccia		Print Name and Title Daniel Coloccia - Project Scientist			Date 10/10/2013

OFFICE OF THE STATE ENGINEER
COLORADO DIVISION OF WATER RESOURCES
818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203
(303) 866-3581

MW-2R

AUTH

WELL PERMIT NUMBER 294742
DIV. 1 WD 6 DES. BASIN MD

APPLICANT

ENCANA OIL & GAS INC
C/O EAGLE ENVIRONMENTAL
4101 INCA ST
DENVER, CO 80211-

(303) 433-0479

APPROVED WELL LOCATION

WELD COUNTY

NW 1/4 NW 1/4 Section 5
Township 1 N Range 68 W Sixth P.M.

DISTANCES FROM SECTION LINES

872 Ft. from North Section Line
794 Ft. from West Section Line

UTM COORDINATES (Meters, Zone: 13, NAD83)

Easting: Northing:

PERMIT TO CONSTRUCT A WELL

ISSUANCE OF THIS PERMIT DOES NOT CONFER A WATER RIGHT

CONDITIONS OF APPROVAL

- 1) This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of this permit does not ensure that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.
- 2) The construction of this well shall be in compliance with the Water Well Construction Rules 2 CCR 402-2, unless approval of a variance has been granted by the State Board of Examiners of Water Well Construction and Pump Installation Contractors in accordance with Rule 18.
- 3) Approved pursuant to CRS 37-92-602(3)(b)(I) for uses as described in CRS 37-92-602(1)(f). Use of this well is limited to monitoring water levels and/or water quality sampling. This well is known as MW-02R.
- 4) This well must be equipped with a locking cap or seal to prevent well contamination or possible hazards as an open well. The well must be kept capped and locked at all times except during sampling or measuring.
- 5) Records of water level measurements and water quality analyses shall be maintained by the well owner and submitted to the Division of Water Resources upon request.
- 6) Upon conclusion of the monitoring program the well owner shall plug this well in accordance with Rule 16 of the Water Well Construction Rules. A Well Abandonment Report must be completed and submitted to the Division of Water Resources within 60 days of plugging.
- 7) The owner shall mark the well in a conspicuous place with the well permit number and name of aquifer as appropriate, and shall take necessary means and precautions to preserve these markings.
- 8) This well must be constructed by or under the supervision of a licensed well driller or other authorized individual according to the Water Well Construction Rules. If non-standard construction is anticipated, a variance request must be submitted in accordance with Rule 18 and approved prior to well construction.
- 9) A Well Construction and Test Report (Form GWS-31), including lithologic log must be submitted by the individual authorized to construct the well. For non-standard construction, the report must include an as-built drawing showing details such as depth, casing, perforated zones, and a description of the grouting type and interval.
- 10) This well shall be constructed not more than 200 feet from the location specified on this permit.

NOTE: Issuance of this permit does not guarantee that this well can be converted to a production well under a future permit. Additionally, pursuant to Rule 14.2 of the Water Well Construction Rules (2 CCR 402-2), monitoring holes constructed pursuant to a monitoring hole notice shall not be converted to a production well. (Upon obtaining a permit from the State Engineer, a monitoring hole may be converted to a monitoring well, recovery well for remediation of the aquifer, or a dewatering system for dewatering the aquifer.)

NOTICE: This permit has been approved subject to the following change: The UTM coordinate values provided with the permit application were not used and the well location was determined from the PLSS coordinates provided. You are hereby notified that you have the right to appeal the issuance of this permit, by filing a written request with this office within sixty (60) days of the date of issuance, pursuant to the State Administrative Procedures Act. (See Section 24-4-104 through 106, C.R.S.)

APPROVED
SVJ

State Engineer

DATE ISSUED 06-20-2014

By

EXPIRATION DATE 06-20-2016

Receipt No. 3665230K

ATTACHMENT C

Laboratory Analytical Reports



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

Report Summary

Monday July 07, 2014

Report Number: L708044


Samples Received: 07/02/14

Client Project:

Description: Brown C Unit 2

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:


Jared Willis, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-IN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/BIO041, ND - R-140, NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

This report may not be reproduced, except in full, without written approval from ESC Lab Sciences. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

July 07, 2014

Date Received : July 02, 2014
Description : Brown C Unit 2
Sample ID : BROWN-C-UNIT-2-MW-01-063014
Collected By : Eric Vonde
Collection Date : 06/30/14 12:44

ESC Sample # : L708044-01

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	340	10.	ug/l	8260B	07/06/14	10
Toluene	BDL	5.0	ug/l	8260B	07/03/14	1
Ethylbenzene	34.	1.0	ug/l	8260B	07/03/14	1
Total Xylenes	7.1	3.0	ug/l	8260B	07/03/14	1
Surrogate Recovery						
Toluene-d8	103.		% Rec.	8260B	07/03/14	1
Dibromofluoromethane	94.2		% Rec.	8260B	07/03/14	1
a,a,a-Trifluorotoluene	102.		% Rec.	8260B	07/03/14	1
4-Bromofluorobenzene	87.2		% Rec.	8260B	07/03/14	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 07/07/14 14:41 Printed: 07/07/14 14:41



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

July 07, 2014

Date Received : July 02, 2014
Description : Brown C Unit 2
Sample ID : BROWN-C-UNIT-2-MW-02R-063014
Collected By : Eric Vonde
Collection Date : 06/30/14 13:09

ESC Sample # : L708044-02

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	07/03/14	1
Toluene	BDL	5.0	ug/l	8260B	07/03/14	1
Ethylbenzene	BDL	1.0	ug/l	8260B	07/03/14	1
Total Xylenes	BDL	3.0	ug/l	8260B	07/03/14	1
Surrogate Recovery						
Toluene-d8	99.1		% Rec.	8260B	07/03/14	1
Dibromofluoromethane	97.4		% Rec.	8260B	07/03/14	1
a,a,a-Trifluorotoluene	104.		% Rec.	8260B	07/03/14	1
4-Bromofluorobenzene	89.7		% Rec.	8260B	07/03/14	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 07/07/14 14:41 Printed: 07/07/14 14:41



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

July 07, 2014

Date Received : July 02, 2014
Description : Brown C Unit 2
Sample ID : BROWN-C-UNIT-2-MW-03-063014
Collected By : Eric Vonde
Collection Date : 06/30/14 11:15

ESC Sample # : L708044-03

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	07/03/14	1
Toluene	BDL	5.0	ug/l	8260B	07/03/14	1
Ethylbenzene	BDL	1.0	ug/l	8260B	07/03/14	1
Total Xylenes	BDL	3.0	ug/l	8260B	07/03/14	1
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	07/03/14	1
Dibromofluoromethane	96.9		% Rec.	8260B	07/03/14	1
a,a,a-Trifluorotoluene	106.		% Rec.	8260B	07/03/14	1
4-Bromofluorobenzene	90.5		% Rec.	8260B	07/03/14	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 07/07/14 14:41 Printed: 07/07/14 14:41



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

July 07, 2014

Date Received : July 02, 2014
Description : Brown C Unit 2
Sample ID : BROWN-C-UNIT-2-MW-04-063014
Collected By : Eric Vonde
Collection Date : 06/30/14 11:35

ESC Sample # : L708044-04

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	07/03/14	1
Toluene	BDL	5.0	ug/l	8260B	07/03/14	1
Ethylbenzene	BDL	1.0	ug/l	8260B	07/03/14	1
Total Xylenes	BDL	3.0	ug/l	8260B	07/03/14	1
Surrogate Recovery						
Toluene-d8	100.		% Rec.	8260B	07/03/14	1
Dibromofluoromethane	98.2		% Rec.	8260B	07/03/14	1
a,a,a-Trifluorotoluene	104.		% Rec.	8260B	07/03/14	1
4-Bromofluorobenzene	84.7		% Rec.	8260B	07/03/14	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 07/07/14 14:41 Printed: 07/07/14 14:41



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

July 07, 2014

Date Received : July 02, 2014
Description : Brown C Unit 2
Sample ID : BROWN-C-UNIT-2-MW-05-063014
Collected By : Eric Vonde
Collection Date : 06/30/14 12:24

ESC Sample # : L708044-05

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	4.2	1.0	ug/l	8260B	07/03/14	1
Toluene	BDL	5.0	ug/l	8260B	07/03/14	1
Ethylbenzene	BDL	1.0	ug/l	8260B	07/03/14	1
Total Xylenes	BDL	3.0	ug/l	8260B	07/03/14	1
Surrogate Recovery						
Toluene-d8	97.0		% Rec.	8260B	07/03/14	1
Dibromofluoromethane	99.6		% Rec.	8260B	07/03/14	1
a,a,a-Trifluorotoluene	103.		% Rec.	8260B	07/03/14	1
4-Bromofluorobenzene	84.4		% Rec.	8260B	07/03/14	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

.

Reported: 07/07/14 14:41 Printed: 07/07/14 14:41



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

July 07, 2014

Date Received : July 02, 2014
Description : Brown C Unit 2
Sample ID : BROWN-C-UNIT-2-AGW-01-063014
Collected By : Eric Vonde
Collection Date : 06/30/14 10:43

ESC Sample # : L708044-06

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	07/03/14	1
Toluene	BDL	5.0	ug/l	8260B	07/03/14	1
Ethylbenzene	BDL	1.0	ug/l	8260B	07/03/14	1
Total Xylenes	BDL	3.0	ug/l	8260B	07/03/14	1
Surrogate Recovery						
Toluene-d8	112.		% Rec.	8260B	07/03/14	1
Dibromofluoromethane	103.		% Rec.	8260B	07/03/14	1
a,a,a-Trifluorotoluene	114.		% Rec.	8260B	07/03/14	1
4-Bromofluorobenzene	92.6		% Rec.	8260B	07/03/14	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 07/07/14 14:41 Printed: 07/07/14 14:41



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

July 07, 2014

Date Received : July 02, 2014
Description : Brown C Unit 2
Sample ID : BROWN-C-UNIT-2-AGW-02-063014
Collected By : Eric Vonde
Collection Date : 06/30/14 10:22

ESC Sample # : L708044-07

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	07/03/14	1
Toluene	BDL	5.0	ug/l	8260B	07/03/14	1
Ethylbenzene	BDL	1.0	ug/l	8260B	07/03/14	1
Total Xylenes	BDL	3.0	ug/l	8260B	07/03/14	1
Surrogate Recovery						
Toluene-d8	98.1		% Rec.	8260B	07/03/14	1
Dibromofluoromethane	96.2		% Rec.	8260B	07/03/14	1
a,a,a-Trifluorotoluene	99.9		% Rec.	8260B	07/03/14	1
4-Bromofluorobenzene	80.8		% Rec.	8260B	07/03/14	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 07/07/14 14:41 Printed: 07/07/14 14:41



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

July 07, 2014

Date Received : July 02, 2014
Description : Brown C Unit 2
Sample ID : BROWN-C-UNIT-2-AGW-02-063014
Collected By : Eric Vonde
Collection Date : 06/30/14 11:58

ESC Sample # : L708044-08

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	07/03/14	1
Toluene	BDL	5.0	ug/l	8260B	07/03/14	1
Ethylbenzene	BDL	1.0	ug/l	8260B	07/03/14	1
Total Xylenes	BDL	3.0	ug/l	8260B	07/03/14	1
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	07/03/14	1
Dibromofluoromethane	103.		% Rec.	8260B	07/03/14	1
a,a,a-Trifluorotoluene	107.		% Rec.	8260B	07/03/14	1
4-Bromofluorobenzene	80.4		% Rec.	8260B	07/03/14	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 07/07/14 14:41 Printed: 07/07/14 14:41



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

July 07, 2014

Date Received : July 02, 2014
Description : Brown C Unit 2
Sample ID : BROWN-C-UNIT-2-AGW-05-063014
Collected By : Eric Vonde
Collection Date : 06/30/14 09:56

ESC Sample # : L708044-09

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	07/06/14	1
Toluene	BDL	5.0	ug/l	8260B	07/06/14	1
Ethylbenzene	BDL	1.0	ug/l	8260B	07/06/14	1
Total Xylenes	BDL	3.0	ug/l	8260B	07/06/14	1
Surrogate Recovery						
Toluene-d8	98.4		% Rec.	8260B	07/06/14	1
Dibromofluoromethane	96.8		% Rec.	8260B	07/06/14	1
a,a,a-Trifluorotoluene	102.		% Rec.	8260B	07/06/14	1
4-Bromofluorobenzene	78.3		% Rec.	8260B	07/06/14	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 07/07/14 14:41 Printed: 07/07/14 14:41



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

July 07, 2014

Date Received : July 02, 2014
Description : Brown C Unit 2
Sample ID : BROWN-C-UNIT-2-AGW-06-063014
Collected By : Eric Vonde
Collection Date : 06/30/14 09:36

ESC Sample # : L708044-10

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	07/06/14	1
Toluene	BDL	5.0	ug/l	8260B	07/06/14	1
Ethylbenzene	BDL	1.0	ug/l	8260B	07/06/14	1
Total Xylenes	BDL	3.0	ug/l	8260B	07/06/14	1
Surrogate Recovery						
Toluene-d8	98.5		% Rec.	8260B	07/06/14	1
Dibromofluoromethane	104.		% Rec.	8260B	07/06/14	1
a,a,a-Trifluorotoluene	103.		% Rec.	8260B	07/06/14	1
4-Bromofluorobenzene	82.7		% Rec.	8260B	07/06/14	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 07/07/14 14:41 Printed: 07/07/14 14:41

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L708044-06	WG729975	SAMP	Toluene-d8	R2955585	J1

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
07/07/14 at 14:41:35

TSR Signing Reports: 358
R5 - Desired TAT

Log all BTEX waters as V8260BTEX unless specified otherwise. Enter depths for all samples as part of sample ID. Try not to report benzene as BDL above a 5x dilution.

Sample: L708044-01 Account: ENCANLCO Received: 07/02/14 09:00 Due Date: 07/10/14 00:00 RPT Date: 07/07/14 14:41
Sample: L708044-02 Account: ENCANLCO Received: 07/02/14 09:00 Due Date: 07/10/14 00:00 RPT Date: 07/07/14 14:41
Sample: L708044-03 Account: ENCANLCO Received: 07/02/14 09:00 Due Date: 07/10/14 00:00 RPT Date: 07/07/14 14:41
Sample: L708044-04 Account: ENCANLCO Received: 07/02/14 09:00 Due Date: 07/10/14 00:00 RPT Date: 07/07/14 14:41
Sample: L708044-05 Account: ENCANLCO Received: 07/02/14 09:00 Due Date: 07/10/14 00:00 RPT Date: 07/07/14 14:41
Sample: L708044-06 Account: ENCANLCO Received: 07/02/14 09:00 Due Date: 07/10/14 00:00 RPT Date: 07/07/14 14:41
Received one vial broken
Sample: L708044-07 Account: ENCANLCO Received: 07/02/14 09:00 Due Date: 07/10/14 00:00 RPT Date: 07/07/14 14:41
Sample: L708044-08 Account: ENCANLCO Received: 07/02/14 09:00 Due Date: 07/10/14 00:00 RPT Date: 07/07/14 14:41
Sample: L708044-09 Account: ENCANLCO Received: 07/02/14 09:00 Due Date: 07/10/14 00:00 RPT Date: 07/07/14 14:41
Sample: L708044-10 Account: ENCANLCO Received: 07/02/14 09:00 Due Date: 07/10/14 00:00 RPT Date: 07/07/14 14:41

Company Name/Address

ENCANLCO-EAGLE

Encana Oil and Gas
3601 Stagecoach Rd.
Longmont, CO 80504

Alternate Billing

Encana Oil and Gas

Attn: Blake Ford
 Longmont CO 80504

Report to: B. Ford, Martin Eckert III

enviro.com

Analysis/Container/Preservative

Chain of Custody
Page 1 of 2

Prepared by:



ENVIRONMENTAL
Science corp

12065 Lebanon Road

Mt. Juliet TN 37122

Phone (615)758-5858

Phone (800) 767-5859

FAX (615)758-5859

D211

CoC (Chain of Custody) (lab only)

ENCANLCO-EAGLE

Template/Prelogin

Shipped Via: Denver Service Center

Project Description: **Brown C Unit-1-2****ENCANLCO-EAGLE**

PHONE: 970-379-5558

Client Project No.

Lab Project #

FAX:

Collected by:

Collected by (signature):

Site/Facility ID# **Brown C Unit-1-2**

P.O.#

Rush? (Lab MUST be Notified)

____ Same Day.....200%

____ Next Day.....100%

____ Two Day.....50%

Date Results Needed

No

Email? ☐ No ☒ YesFAX? ☐ No ☐ Yes

of

Packed on Ice N Y

Sample ID	Comp/Grab	Matrix	Depth	Date	Time	Crits	Analysis/Container/Preservative	Remarks/contaminant	Sample # (lab only)
Brown-C-Unit-2-ALW-01-063014	LEAD	GW	NA	6-30-14	1244	2	X	L7080414	-01
Brown-C-Unit-2-ALW-02-063014					1309	2	X		-02
Brown-C-Unit-2-ALW-03-063014					1115	2	X		-03
Brown-C-Unit-2-ALW-04-063014					1135	2	X		-04
Brown-C-Unit-2-ALW-05-063014					1224	2	X		-05
Brown-C-Unit-2-ALW-01-063014					1043	2	X		-06
Brown-C-Unit-2-ALW-02-063014					1022	2	X		-07
Brown-C-Unit-2-ALW-03-063014					1158	2	X		-08

Matrix: SS-Soil/Solid GW-Groundwater WW-Wastewater DW-Drinking Water OT-Other _____

pH _____ Temp _____

Remarks:

Flow _____ Other _____

Relinquisher by (Signature)	Date: 7-1-14	Time: 9:15	Received by (Signature)	Samples returned via: FedEx _____ UPS _____ Other _____	Condition (lab use only)
Relinquisher by (Signature)	Date: 7-1-14	Time: 4:00	Received by (Signature)	Temp: 2.7°C	Bottles Received: 12 up
Relinquisher by (Signature)	Date:	Time:	Received for lab by (Signature)	Date: 7/2/14	Time: 0900



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

Report Summary

Friday October 03, 2014

Report Number: L724260


Samples Received: 09/26/14

Client Project:

Description: BROWN C UNIT 2

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:


Jared Willis , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-IN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/BIO041, ND - R-140, NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

This report may not be reproduced, except in full, without written approval from ESC Lab Sciences. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

October 03, 2014

Date Received : September 26, 2014
Description : BROWN C UNIT 2
Sample ID : BROWN C UNIT 2-MW-01-092414
Collected By : Eric Vonde
Collection Date : 09/24/14 12:44

ESC Sample # : L724260-01

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	2100	100	ug/l	8260B	10/02/14	100
Toluene	BDL	50.	ug/l	8260B	09/29/14	10
Ethylbenzene	140	10.	ug/l	8260B	09/29/14	10
Total Xylenes	130	30.	ug/l	8260B	09/29/14	10
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	09/29/14	10
Dibromofluoromethane	98.2		% Rec.	8260B	09/29/14	10
a,a,a-Trifluorotoluene	99.3		% Rec.	8260B	09/29/14	10
4-Bromofluorobenzene	92.5		% Rec.	8260B	09/29/14	10

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 10/03/14 16:54 Printed: 10/03/14 17:07



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

October 03, 2014

Date Received : September 26, 2014
Description : BROWN C UNIT 2
Sample ID : BROWN C UNIT 2-MW-02R-092414
Collected By : Eric Vonde
Collection Date : 09/24/14 10:26

ESC Sample # : L724260-02

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	10/02/14	1
Toluene	BDL	5.0	ug/l	8260B	09/29/14	1
Ethylbenzene	BDL	1.0	ug/l	8260B	09/29/14	1
Total Xylenes	BDL	3.0	ug/l	8260B	09/29/14	1
Surrogate Recovery						
Toluene-d8	103.		% Rec.	8260B	09/29/14	1
Dibromofluoromethane	103.		% Rec.	8260B	09/29/14	1
a,a,a-Trifluorotoluene	99.0		% Rec.	8260B	09/29/14	1
4-Bromofluorobenzene	95.4		% Rec.	8260B	09/29/14	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

.

Reported: 10/03/14 16:54 Printed: 10/03/14 17:07



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

October 03, 2014

Date Received : September 26, 2014
Description : BROWN C UNIT 2
Sample ID : BROWN C UNIT 2-MW-03-092414
Collected By : Eric Vonde
Collection Date : 09/24/14 11:04

ESC Sample # : L724260-03

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	09/29/14	1
Toluene	BDL	5.0	ug/l	8260B	09/29/14	1
Ethylbenzene	BDL	1.0	ug/l	8260B	09/29/14	1
Total Xylenes	BDL	3.0	ug/l	8260B	09/29/14	1
Surrogate Recovery						
Toluene-d8	103.		% Rec.	8260B	09/29/14	1
Dibromofluoromethane	107.		% Rec.	8260B	09/29/14	1
a,a,a-Trifluorotoluene	101.		% Rec.	8260B	09/29/14	1
4-Bromofluorobenzene	89.8		% Rec.	8260B	09/29/14	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

.

Reported: 10/03/14 16:54 Printed: 10/03/14 17:07



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

October 03, 2014

Date Received : September 26, 2014
Description : BROWN C UNIT 2
Sample ID : BROWN C UNIT 2-MW-04-092414
Collected By : Eric Vonde
Collection Date : 09/24/14 10:42

ESC Sample # : L724260-04

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	09/30/14	1
Toluene	BDL	5.0	ug/l	8260B	09/30/14	1
Ethylbenzene	BDL	1.0	ug/l	8260B	09/30/14	1
Total Xylenes	BDL	3.0	ug/l	8260B	09/30/14	1
Surrogate Recovery						
Toluene-d8	109.		% Rec.	8260B	09/30/14	1
Dibromofluoromethane	104.		% Rec.	8260B	09/30/14	1
a,a,a-Trifluorotoluene	105.		% Rec.	8260B	09/30/14	1
4-Bromofluorobenzene	98.3		% Rec.	8260B	09/30/14	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

.

Reported: 10/03/14 16:54 Printed: 10/03/14 17:07



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

October 03, 2014

Date Received : September 26, 2014
Description : BROWN C UNIT 2
Sample ID : BROWN C UNIT 2-MW-05-092414
Collected By : Eric Vonde
Collection Date : 09/24/14 12:21

ESC Sample # : L724260-05

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	3.5	1.0	ug/l	8260B	09/30/14	1
Toluene	BDL	5.0	ug/l	8260B	09/30/14	1
Ethylbenzene	BDL	1.0	ug/l	8260B	09/30/14	1
Total Xylenes	BDL	3.0	ug/l	8260B	09/30/14	1
Surrogate Recovery						
Toluene-d8	108.		% Rec.	8260B	09/30/14	1
Dibromofluoromethane	102.		% Rec.	8260B	09/30/14	1
a,a,a-Trifluorotoluene	102.		% Rec.	8260B	09/30/14	1
4-Bromofluorobenzene	97.0		% Rec.	8260B	09/30/14	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

.

Reported: 10/03/14 16:54 Printed: 10/03/14 17:07



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

October 03, 2014

Date Received : September 26, 2014
Description : BROWN C UNIT 2
Sample ID : BROWN C UNIT 2-AGW-01-092414
Collected By : Eric Vonde
Collection Date : 09/24/14 11:26

ESC Sample # : L724260-06

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	10/02/14	1
Toluene	BDL	5.0	ug/l	8260B	10/02/14	1
Ethylbenzene	BDL	1.0	ug/l	8260B	10/02/14	1
Total Xylenes	BDL	3.0	ug/l	8260B	10/02/14	1
Surrogate Recovery						
Toluene-d8	106.		% Rec.	8260B	10/02/14	1
Dibromofluoromethane	102.		% Rec.	8260B	10/02/14	1
a,a,a-Trifluorotoluene	108.		% Rec.	8260B	10/02/14	1
4-Bromofluorobenzene	105.		% Rec.	8260B	10/02/14	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

.

Reported: 10/03/14 16:54 Printed: 10/03/14 17:07



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

October 03, 2014

Date Received : September 26, 2014
Description : BROWN C UNIT 2
Sample ID : BROWN C UNIT 2-AGW-02-092414
Collected By : Eric Vonde
Collection Date : 09/24/14 11:46

ESC Sample # : L724260-07

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	10/02/14	1
Toluene	BDL	5.0	ug/l	8260B	10/02/14	1
Ethylbenzene	BDL	1.0	ug/l	8260B	10/02/14	1
Total Xylenes	BDL	3.0	ug/l	8260B	10/02/14	1
Surrogate Recovery						
Toluene-d8	103.		% Rec.	8260B	10/02/14	1
Dibromofluoromethane	102.		% Rec.	8260B	10/02/14	1
a,a,a-Trifluorotoluene	103.		% Rec.	8260B	10/02/14	1
4-Bromofluorobenzene	91.8		% Rec.	8260B	10/02/14	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

.

Reported: 10/03/14 16:54 Printed: 10/03/14 17:07



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

October 03, 2014

Date Received : September 26, 2014
Description : BROWN C UNIT 2
Sample ID : BROWN C UNIT 2-AGW-03-092414
Collected By : Eric Vonde
Collection Date : 09/24/14 10:06

ESC Sample # : L724260-08

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	10/02/14	1
Toluene	BDL	5.0	ug/l	8260B	10/02/14	1
Ethylbenzene	BDL	1.0	ug/l	8260B	10/02/14	1
Total Xylenes	BDL	3.0	ug/l	8260B	10/02/14	1
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	10/02/14	1
Dibromofluoromethane	101.		% Rec.	8260B	10/02/14	1
a,a,a-Trifluorotoluene	102.		% Rec.	8260B	10/02/14	1
4-Bromofluorobenzene	91.4		% Rec.	8260B	10/02/14	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

.

Reported: 10/03/14 16:54 Printed: 10/03/14 17:07



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

October 03, 2014

Date Received : September 26, 2014
Description : BROWN C UNIT 2
Sample ID : BROWN C UNIT 2-AGW-05-092414
Collected By : Eric Vonde
Collection Date : 09/24/14 12:01

ESC Sample # : L724260-09

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	10/02/14	1
Toluene	BDL	5.0	ug/l	8260B	10/02/14	1
Ethylbenzene	BDL	1.0	ug/l	8260B	10/02/14	1
Total Xylenes	BDL	3.0	ug/l	8260B	10/02/14	1
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	10/02/14	1
Dibromofluoromethane	102.		% Rec.	8260B	10/02/14	1
a,a,a-Trifluorotoluene	100.		% Rec.	8260B	10/02/14	1
4-Bromofluorobenzene	90.8		% Rec.	8260B	10/02/14	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

.

Reported: 10/03/14 16:54 Printed: 10/03/14 17:07



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

October 03, 2014

Date Received : September 26, 2014
Description : BROWN C UNIT 2
Sample ID : BROWN C UNIT 2-AGW-06-092414
Collected By : Eric Vonde
Collection Date : 09/24/14 09:46

ESC Sample # : L724260-10

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	10/02/14	1
Toluene	BDL	5.0	ug/l	8260B	10/02/14	1
Ethylbenzene	BDL	1.0	ug/l	8260B	10/02/14	1
Total Xylenes	BDL	3.0	ug/l	8260B	10/02/14	1
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	10/02/14	1
Dibromofluoromethane	104.		% Rec.	8260B	10/02/14	1
a,a,a-Trifluorotoluene	99.7		% Rec.	8260B	10/02/14	1
4-Bromofluorobenzene	88.2		% Rec.	8260B	10/02/14	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

.

Reported: 10/03/14 16:54 Printed: 10/03/14 17:07



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

Report Summary

Monday January 05, 2015

Report Number: L740965

Samples Received: 12/27/14

Client Project:

Description: Brown C Unit 2

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:


Jared Willis , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-IN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/BIO041, ND - R-140, NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

This report may not be reproduced, except in full, without written approval from ESC Lab Sciences. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

January 05, 2015

Date Received : December 27, 2014
Description : Brown C Unit 2
Sample ID : BROWN C UNIT2-MW-01-122314
Collected By : Andrew Newberry
Collection Date : 12/23/14 15:16

ESC Sample # : L740965-01

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	460	5.0	ug/l	8260B	01/04/15	5
Toluene	BDL	25.	ug/l	8260B	01/04/15	5
Ethylbenzene	11.	5.0	ug/l	8260B	01/04/15	5
Total Xylenes	BDL	15.	ug/l	8260B	01/04/15	5
Surrogate Recovery						
Toluene-d8	103.		% Rec.	8260B	01/04/15	1
Dibromofluoromethane	93.4		% Rec.	8260B	01/04/15	1
a,a,a-Trifluorotoluene	102.		% Rec.	8260B	01/04/15	1
4-Bromofluorobenzene	93.7		% Rec.	8260B	01/04/15	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 01/05/15 12:22 Printed: 01/05/15 12:39



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

January 05, 2015

Date Received : December 27, 2014
Description : Brown C Unit 2
Sample ID : BROWN C UNIT2-MW-02R-122314
Collected By : Andrew Newberry
Collection Date : 12/23/14 12:56

ESC Sample # : L740965-02

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	01/02/15	1
Toluene	BDL	5.0	ug/l	8260B	01/02/15	1
Ethylbenzene	BDL	1.0	ug/l	8260B	01/02/15	1
Total Xylenes	BDL	3.0	ug/l	8260B	01/02/15	1
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	01/02/15	1
Dibromofluoromethane	98.8		% Rec.	8260B	01/02/15	1
a,a,a-Trifluorotoluene	101.		% Rec.	8260B	01/02/15	1
4-Bromofluorobenzene	99.4		% Rec.	8260B	01/02/15	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 01/05/15 12:22 Printed: 01/05/15 12:39



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

January 05, 2015

Date Received : December 27, 2014
Description : Brown C Unit 2
Sample ID : BROWN C UNIT2-MW-03-122314
Collected By : Andrew Newberry
Collection Date : 12/23/14 13:16

ESC Sample # : L740965-03

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	01/02/15	1
Toluene	BDL	5.0	ug/l	8260B	01/02/15	1
Ethylbenzene	BDL	1.0	ug/l	8260B	01/02/15	1
Total Xylenes	BDL	3.0	ug/l	8260B	01/02/15	1
Surrogate Recovery						
Toluene-d8	100.		% Rec.	8260B	01/02/15	1
Dibromofluoromethane	99.7		% Rec.	8260B	01/02/15	1
a,a,a-Trifluorotoluene	100.		% Rec.	8260B	01/02/15	1
4-Bromofluorobenzene	98.6		% Rec.	8260B	01/02/15	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 01/05/15 12:22 Printed: 01/05/15 12:39



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

January 05, 2015

Date Received : December 27, 2014
Description : Brown C Unit 2
Sample ID : BROWN C UNIT2-MW-04-122314
Collected By : Andrew Newberry
Collection Date : 12/23/14 13:36

ESC Sample # : L740965-04

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	01/02/15	1
Toluene	BDL	5.0	ug/l	8260B	01/02/15	1
Ethylbenzene	BDL	1.0	ug/l	8260B	01/02/15	1
Total Xylenes	BDL	3.0	ug/l	8260B	01/02/15	1
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	01/02/15	1
Dibromofluoromethane	99.0		% Rec.	8260B	01/02/15	1
a,a,a-Trifluorotoluene	101.		% Rec.	8260B	01/02/15	1
4-Bromofluorobenzene	101.		% Rec.	8260B	01/02/15	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 01/05/15 12:22 Printed: 01/05/15 12:39



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

January 05, 2015

Date Received : December 27, 2014
Description : Brown C Unit 2
Sample ID : BROWN C UNIT2-MW-05-122314
Collected By : Andrew Newberry
Collection Date : 12/23/14 14:56

ESC Sample # : L740965-05

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	50.	1.0	ug/l	8260B	01/02/15	1
Toluene	BDL	5.0	ug/l	8260B	01/02/15	1
Ethylbenzene	BDL	1.0	ug/l	8260B	01/02/15	1
Total Xylenes	BDL	3.0	ug/l	8260B	01/02/15	1
Surrogate Recovery						
Toluene-d8	103.		% Rec.	8260B	01/02/15	1
Dibromofluoromethane	103.		% Rec.	8260B	01/02/15	1
a,a,a-Trifluorotoluene	101.		% Rec.	8260B	01/02/15	1
4-Bromofluorobenzene	98.6		% Rec.	8260B	01/02/15	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

.

Reported: 01/05/15 12:22 Printed: 01/05/15 12:39



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

January 05, 2015

Date Received : December 27, 2014
Description : Brown C Unit 2
Sample ID : BROWN C UNIT2-AGW-01-122314
Collected By : Andrew Newberry
Collection Date : 12/23/14 13:56

ESC Sample # : L740965-06

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	01/02/15	1
Toluene	BDL	5.0	ug/l	8260B	01/02/15	1
Ethylbenzene	BDL	1.0	ug/l	8260B	01/02/15	1
Total Xylenes	BDL	3.0	ug/l	8260B	01/02/15	1
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	01/02/15	1
Dibromofluoromethane	101.		% Rec.	8260B	01/02/15	1
a,a,a-Trifluorotoluene	101.		% Rec.	8260B	01/02/15	1
4-Bromofluorobenzene	97.7		% Rec.	8260B	01/02/15	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 01/05/15 12:22 Printed: 01/05/15 12:39



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

January 05, 2015

Date Received : December 27, 2014
Description : Brown C Unit 2
Sample ID : BROWN C UNIT2-AGW-02-122314
Collected By : Andrew Newberry
Collection Date : 12/23/14 14:16

ESC Sample # : L740965-07

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	01/02/15	1
Toluene	BDL	5.0	ug/l	8260B	01/02/15	1
Ethylbenzene	BDL	1.0	ug/l	8260B	01/02/15	1
Total Xylenes	BDL	3.0	ug/l	8260B	01/02/15	1
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	01/02/15	1
Dibromofluoromethane	100.		% Rec.	8260B	01/02/15	1
a,a,a-Trifluorotoluene	102.		% Rec.	8260B	01/02/15	1
4-Bromofluorobenzene	98.4		% Rec.	8260B	01/02/15	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 01/05/15 12:22 Printed: 01/05/15 12:39



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

January 05, 2015

Date Received : December 27, 2014
Description : Brown C Unit 2
Sample ID : BROWN C UNIT2-AGW-03-122314
Collected By : Andrew Newberry
Collection Date : 12/23/14 12:16

ESC Sample # : L740965-08

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	01/03/15	1
Toluene	BDL	5.0	ug/l	8260B	01/03/15	1
Ethylbenzene	BDL	1.0	ug/l	8260B	01/03/15	1
Total Xylenes	BDL	3.0	ug/l	8260B	01/03/15	1
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	01/03/15	1
Dibromofluoromethane	103.		% Rec.	8260B	01/03/15	1
a,a,a-Trifluorotoluene	104.		% Rec.	8260B	01/03/15	1
4-Bromofluorobenzene	98.3		% Rec.	8260B	01/03/15	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 01/05/15 12:22 Printed: 01/05/15 12:39



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

January 05, 2015

Date Received : December 27, 2014
Description : Brown C Unit 2
Sample ID : BROWN C UNIT2-AGW-05-122314
Collected By : Andrew Newberry
Collection Date : 12/23/14 14:36

ESC Sample # : L740965-09

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	01/03/15	1
Toluene	BDL	5.0	ug/l	8260B	01/03/15	1
Ethylbenzene	BDL	1.0	ug/l	8260B	01/03/15	1
Total Xylenes	BDL	3.0	ug/l	8260B	01/03/15	1
Surrogate Recovery						
Toluene-d8	105.		% Rec.	8260B	01/03/15	1
Dibromofluoromethane	102.		% Rec.	8260B	01/03/15	1
a,a,a-Trifluorotoluene	106.		% Rec.	8260B	01/03/15	1
4-Bromofluorobenzene	99.3		% Rec.	8260B	01/03/15	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 01/05/15 12:22 Printed: 01/05/15 12:39



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

January 05, 2015

Date Received : December 27, 2014
Description : Brown C Unit 2
Sample ID : BROWN C UNIT2-AGW-06-122314
Collected By : Andrew Newberry
Collection Date : 12/23/14 12:36

ESC Sample # : L740965-10

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	01/02/15	1
Toluene	BDL	5.0	ug/l	8260B	01/02/15	1
Ethylbenzene	BDL	1.0	ug/l	8260B	01/02/15	1
Total Xylenes	BDL	3.0	ug/l	8260B	01/02/15	1
Surrogate Recovery						
Toluene-d8	103.		% Rec.	8260B	01/02/15	1
Dibromofluoromethane	97.3		% Rec.	8260B	01/02/15	1
a,a,a-Trifluorotoluene	100.		% Rec.	8260B	01/02/15	1
4-Bromofluorobenzene	94.5		% Rec.	8260B	01/02/15	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

.

Reported: 01/05/15 12:22 Printed: 01/05/15 12:39

Company Name/Address:
ENCANLCO-EAGLE

Encana Oil and Gas
3601 Stagecoach Rd.
Longmont, CO 80504

Report to:
B. Ford, Martin Eckert III

Billing Information:
Encana oil and Gas
Attn: Blake Ford
ENCANLCO-EAGLE

Email To:
David.Ford@encana.com, mce3@

Project
Description: **Brown C Unit 2**

Phone: **970-379-5558**
Fax:

Client Project #

City/State
Collected:

Lab Project #
ENCANLCO-EAGLE

Collected by (print):
Andrew Newberry
Collected by (signature):

Site/Facility ID #
Brown C Unit 2

P.O. #

Date Results Needed

Rush? (Lab MUST Be Notified)

Same Day200%
Next Day100%
Two Day50%
Three Day25%

Email? ☐ No ☒ Yes
FAX? ☐ No ☐ Yes

No.
of
Cntrs

Immediately
Packed on Ice N ☐ Y ☒

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Analysis / Container / Preservative	Rem./Contaminant	Sample # (lab only)
Brown C Unit 2 - MW-01-122314	Grab	GW	N/A	12-23-14	1516	2	X		-01
Brown C Unit 2 - MW-02R-122314					1256				-02
Brown C Unit 2 - MW-03-122314					1316				-03
Brown C Unit 2 - MW-04-122314					1336				-04
Brown C Unit 2 - MW-05-122314					1456				-05
Brown C Unit 2 - AGW-01-122314					1356				-06
Brown C Unit 2 - AGW-02-122314					1416				-07
Brown C Unit 2 - AGW-03-122314					1216				-08
Brown C Unit 2 - AGW-04-122314					1436				-09
Brown C Unit 2 - AGW-05-122314					1236				-10

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____

pH _____ Temp _____
Flow _____ Other _____

Remarks:

Relinquished by: (Signature)

Date:
12-26-14

Time:
9:00

Received by: (Signature)

Received by: (Signature)

Received for lab by: (Signature)

Samples returned via: ☐ UPS

☒ FedEx ☐ Courier ☐ Other

Temp: _____ °C Bottles Received:

3.2 **20**

Date: **12-27-14** Time: **0800**

Hold #

Condition: (lab use only)

COC Seal Intact: ☐ Y ☐ N ☐ NA

pH Checked: NCF:

Chain of Custody Page 1 of 1



YOUR LAB OF CHOICE

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



L# **740945**

A163

Acctnum: **ENCANLCO**

Template:

Prelogin:

TSR:

Cooler:

Shipped Via:

61276744157



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

Report Summary

Friday March 20, 2015

Report Number: L753072


Samples Received: 03/12/15

Client Project:

Description: Brown C Unit # 2

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:


Jared Willis , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-IN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/BIO041, ND - R-140, NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

This report may not be reproduced, except in full, without written approval from ESC Lab Sciences. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

March 20,2015

Date Received : March 12, 2015
Description : Brown C Unit # 2
Sample ID : BROWN C UNIT 2-MW-01-031015
Collected By : Alex Romansky
Collection Date : 03/10/15 14:13

ESC Sample # : L753072-01

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	3.4	1.0	ug/l	8260B	03/20/15	1
Toluene	BDL	5.0	ug/l	8260B	03/20/15	1
Ethylbenzene	BDL	1.0	ug/l	8260B	03/20/15	1
Total Xylenes	BDL	3.0	ug/l	8260B	03/20/15	1
Surrogate Recovery						
Toluene-d8	97.6		% Rec.	8260B	03/20/15	1
Dibromofluoromethane	90.4		% Rec.	8260B	03/20/15	1
a,a,a-Trifluorotoluene	105.		% Rec.	8260B	03/20/15	1
4-Bromofluorobenzene	98.5		% Rec.	8260B	03/20/15	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 03/20/15 13:15 Printed: 03/20/15 13:15



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

March 20, 2015

Date Received : March 12, 2015
Description : Brown C Unit # 2
Sample ID : BROWN C UNIT 2-MW-03-031015
Collected By : Alex Romansky
Collection Date : 03/10/15 15:07

ESC Sample # : L753072-02

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	03/18/15	1
Toluene	BDL	5.0	ug/l	8260B	03/18/15	1
Ethylbenzene	BDL	1.0	ug/l	8260B	03/18/15	1
Total Xylenes	BDL	3.0	ug/l	8260B	03/18/15	1
Surrogate Recovery						
Toluene-d8	103.		% Rec.	8260B	03/18/15	1
Dibromofluoromethane	90.0		% Rec.	8260B	03/18/15	1
a,a,a-Trifluorotoluene	104.		% Rec.	8260B	03/18/15	1
4-Bromofluorobenzene	99.3		% Rec.	8260B	03/18/15	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 03/20/15 13:15 Printed: 03/20/15 13:15



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

March 20, 2015

Date Received : March 12, 2015
Description : Brown C Unit # 2
Sample ID : BROWN C UNIT 2-MW-04-031015
Collected By : Alex Romansky
Collection Date : 03/10/15 14:40

ESC Sample # : L753072-03

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	03/18/15	1
Toluene	BDL	5.0	ug/l	8260B	03/18/15	1
Ethylbenzene	BDL	1.0	ug/l	8260B	03/18/15	1
Total Xylenes	BDL	3.0	ug/l	8260B	03/18/15	1
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	03/18/15	1
Dibromofluoromethane	90.9		% Rec.	8260B	03/18/15	1
a,a,a-Trifluorotoluene	104.		% Rec.	8260B	03/18/15	1
4-Bromofluorobenzene	99.8		% Rec.	8260B	03/18/15	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 03/20/15 13:15 Printed: 03/20/15 13:15



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

March 20, 2015

Date Received : March 12, 2015
Description : Brown C Unit # 2
Sample ID : BROWN C UNIT 2-MW-05-031015
Collected By : Alex Romansky
Collection Date : 03/10/15 15:49

ESC Sample # : L753072-04

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	1.3	1.0	ug/l	8260B	03/18/15	1
Toluene	BDL	5.0	ug/l	8260B	03/18/15	1
Ethylbenzene	BDL	1.0	ug/l	8260B	03/18/15	1
Total Xylenes	BDL	3.0	ug/l	8260B	03/18/15	1
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	03/18/15	1
Dibromofluoromethane	90.3		% Rec.	8260B	03/18/15	1
a,a,a-Trifluorotoluene	104.		% Rec.	8260B	03/18/15	1
4-Bromofluorobenzene	99.5		% Rec.	8260B	03/18/15	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 03/20/15 13:15 Printed: 03/20/15 13:15



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

March 20, 2015

Date Received : March 12, 2015
Description : Brown C Unit # 2
Sample ID : BROWN C UNIT 2-AGW-01-031015
Collected By : Alex Romansky
Collection Date : 03/10/15 15:25

ESC Sample # : L753072-05

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	03/18/15	1
Toluene	BDL	5.0	ug/l	8260B	03/18/15	1
Ethylbenzene	BDL	1.0	ug/l	8260B	03/18/15	1
Total Xylenes	BDL	3.0	ug/l	8260B	03/18/15	1
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	03/18/15	1
Dibromofluoromethane	90.6		% Rec.	8260B	03/18/15	1
a,a,a-Trifluorotoluene	102.		% Rec.	8260B	03/18/15	1
4-Bromofluorobenzene	99.3		% Rec.	8260B	03/18/15	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 03/20/15 13:15 Printed: 03/20/15 13:15



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

March 20, 2015

Date Received : March 12, 2015
Description : Brown C Unit # 2
Sample ID : BROWN C UNIT 2-AGW-02-031015
Collected By : Alex Romansky
Collection Date : 03/10/15 13:45

ESC Sample # : L753072-06

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	03/18/15	1
Toluene	BDL	5.0	ug/l	8260B	03/18/15	1
Ethylbenzene	BDL	1.0	ug/l	8260B	03/18/15	1
Total Xylenes	BDL	3.0	ug/l	8260B	03/18/15	1
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	03/18/15	1
Dibromofluoromethane	90.0		% Rec.	8260B	03/18/15	1
a,a,a-Trifluorotoluene	104.		% Rec.	8260B	03/18/15	1
4-Bromofluorobenzene	99.5		% Rec.	8260B	03/18/15	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 03/20/15 13:15 Printed: 03/20/15 13:15



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Blake Ford / Martin Eckert III
EnCana Oil & Gas - Longmont, CO
3601 Stagecoach Rd
Longmont, CO 80504

March 20,2015

Date Received : March 12, 2015
Description : Brown C Unit # 2
Sample ID : BROWN C UNIT 2-AGW-05-031015
Collected By : Alex Romansky
Collection Date : 03/10/15 14:12

ESC Sample # : L753072-07

Site ID : BROWN C UNIT 2

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	03/18/15	1
Toluene	BDL	5.0	ug/l	8260B	03/18/15	1
Ethylbenzene	BDL	1.0	ug/l	8260B	03/18/15	1
Total Xylenes	BDL	3.0	ug/l	8260B	03/18/15	1
Surrogate Recovery						
Toluene-d8	103.		% Rec.	8260B	03/18/15	1
Dibromofluoromethane	90.8		% Rec.	8260B	03/18/15	1
a,a,a-Trifluorotoluene	105.		% Rec.	8260B	03/18/15	1
4-Bromofluorobenzene	100.		% Rec.	8260B	03/18/15	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

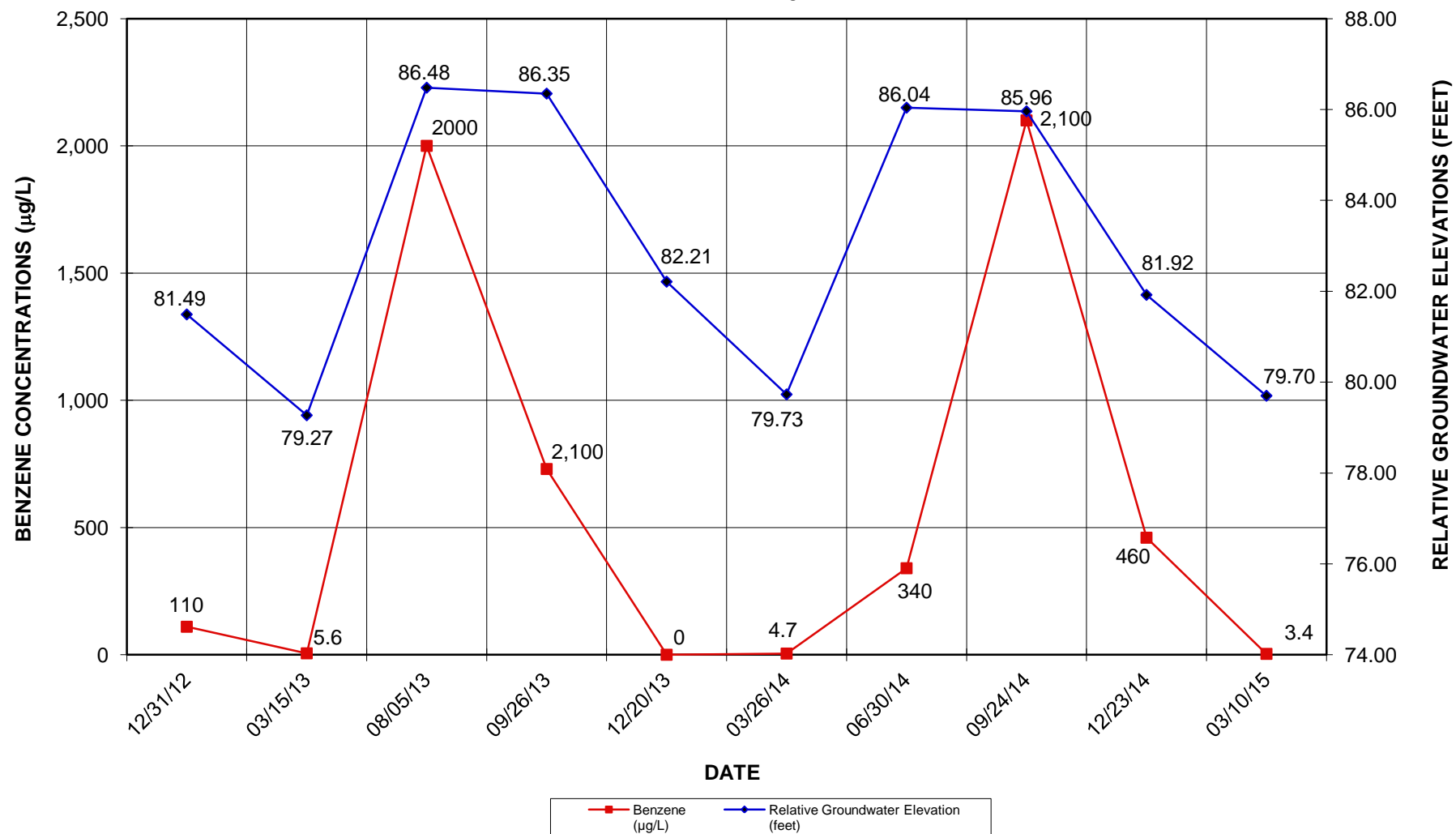
Reported: 03/20/15 13:15 Printed: 03/20/15 13:15

Company Name/Address:				Billing Information:			
ENCANLCO-EAGLE Encana Oil and Gas 3601 Stagecoach Rd. Longmont, CO 80504				Encana oil and Gas Attn: Blake Ford ENCANLCO-EAGLE			
Report to: B. Ford, Martin Eckert III				Email To: David.Ford@encana.com, mce3@			
Project Description: BROWN C UNIT #2				City/State Collected:			
Phone: 970-379-5558 Fax:		Client Project #		Lab Project # ENCANLCO-EAGLE			
Collected by (print): ALEX ROMANSKY		Site/Facility ID # BROWN C UNIT #2		P.O. #			
Collected by (signature): 		Rush? (Lab MUST Be Notified) Same Day200% Next Day100% Two Day50% Three Day25%		Date Results Needed			
Immediately Packed on Ice N ___ Y <u>X</u>				Email? No Yes FAX? No Yes		No. of Cntrs	
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time		
BROWN C UNIT #2 - MW-01-031015	GRAB	GW	N/A	03/10/15	1413	Z	X
BROWN C UNIT #2 - MW-03-031015					1507		
BROWN C UNIT #2 - MW-04-031015					1440		
BROWN C UNIT #2 - MW-05-031015					1549		
BROWN C UNIT #2 - PGW-01-031015					1525		
BROWN C UNIT #2 - PGW-02-031015					1345		
BROWN C UNIT #2 - PGW-03-031015					1412		
* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____							
Remarks: 6272 8616 8091				pH Temp Flow Other Hold # Condition: (lab use only) COC Seal Intact: Y N NA pH Checked: NCF:			
Relinquished by: (Signature)		Date: 3/11/15		Time: 1445		Received by: (Signature)	
Relinquished by: (Signature)		Date: 3-11-15		Time: 4:48		Received by: (Signature)	
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature)	
Samples returned via: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier				Temp: °C Bottles Received: 32 14			
Date: 3/12/15				Time: 09:30			

ATTACHMENT D

Hydrographs

**DISSOLVED BENZENE IN GROUNDWATER ($\mu\text{g/L}$) VS.
RELATIVE GROUNDWATER ELEVATIONS (FT.) OVER TIME
MW-01**



**DISSOLVED BENZENE IN GROUNDWATER ($\mu\text{g/L}$) VS.
RELATIVE GROUNDWATER ELEVATIONS (FT.) OVER TIME
MW-05**

