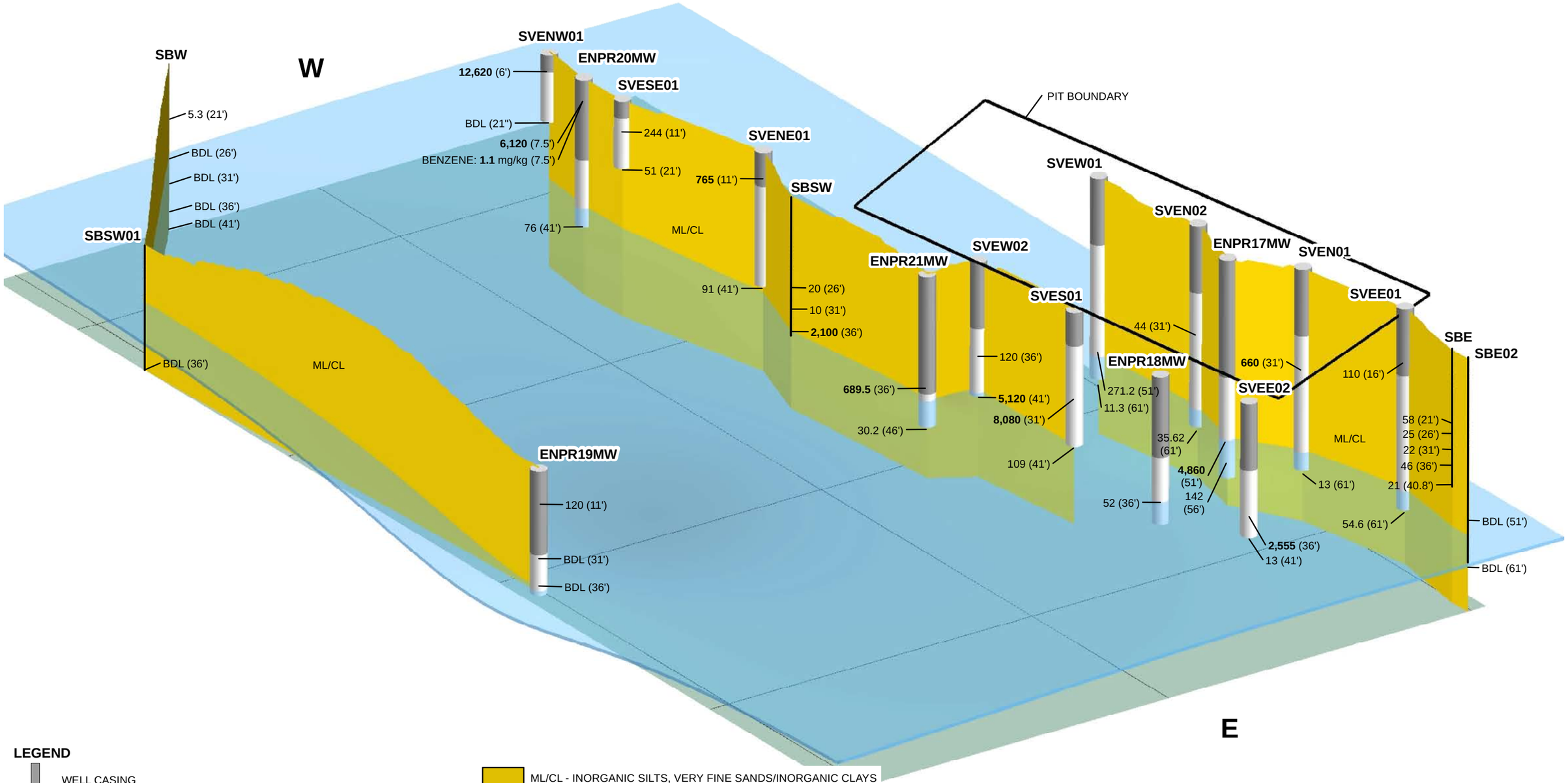


LEGEND

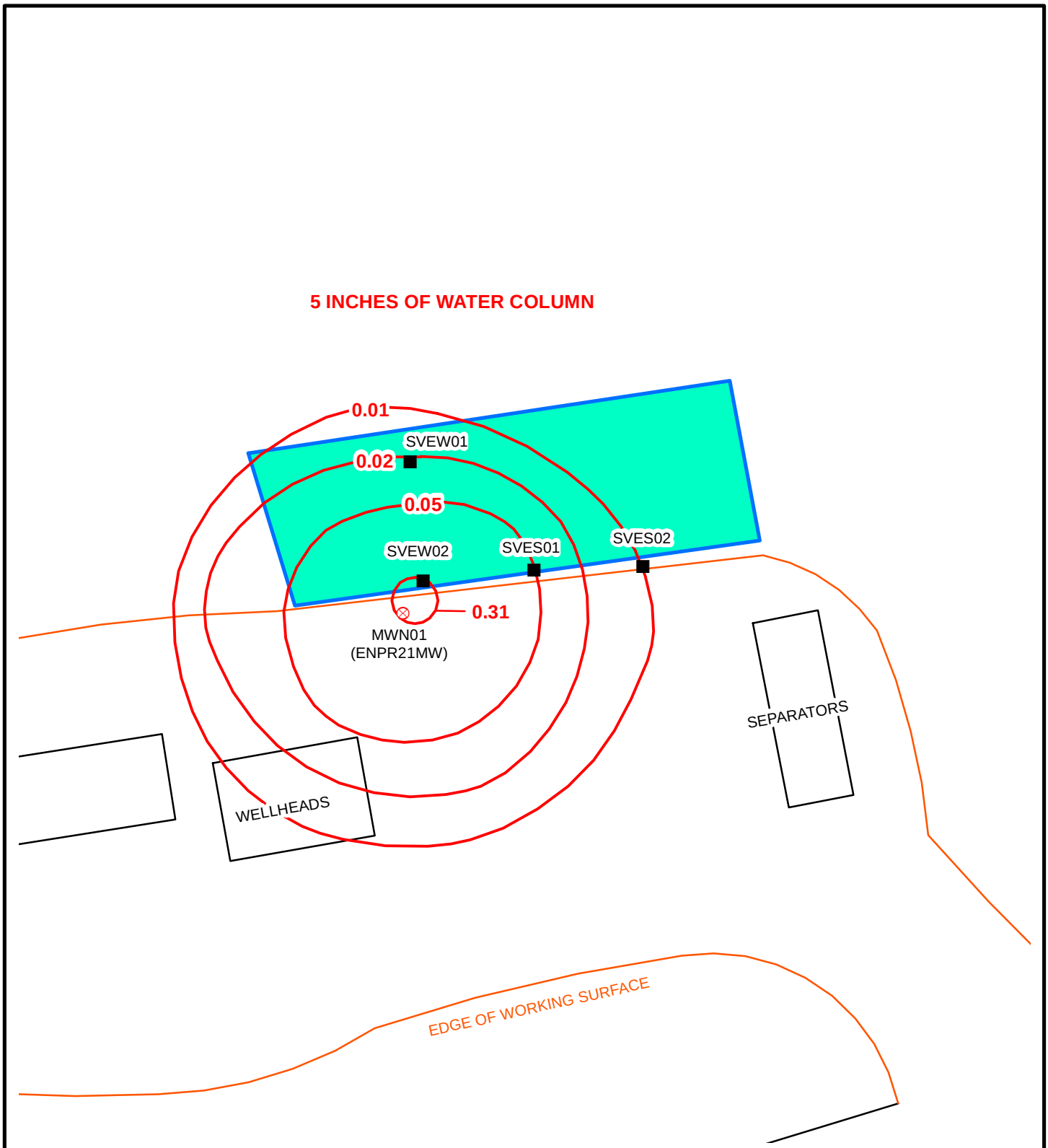
- WELL CASING
- SCREENED INTERVAL
- **2,100** TOTAL PETROLEUM HYDROCARBONS (mg/kg)
- (36') FEET BELOW GROUND SURFACE
- BDL: BELOW DETECTION LIMIT
- **BOLD**: INDICATES RESULT EXCEEDS THE APPLICABLE STANDARD (500 mg/kg)

- ML/CL - INORGANIC SILTS, VERY FINE SANDS/INORGANIC CLAYS
- GROUNDWATER ELEVATION BELOW TOP OF CASING
- VERTICAL DATA TERMINUS

GEOLOGIC FENCE DIAGRAM
N30 PAD
GARFIELD COUNTY, COLORADO

ENCANA OIL & GAS (USA) INC.

P:\Encana\GIS\MXD\033413001_N_30\033413001_LITHOLOGY_FENCE.mxd

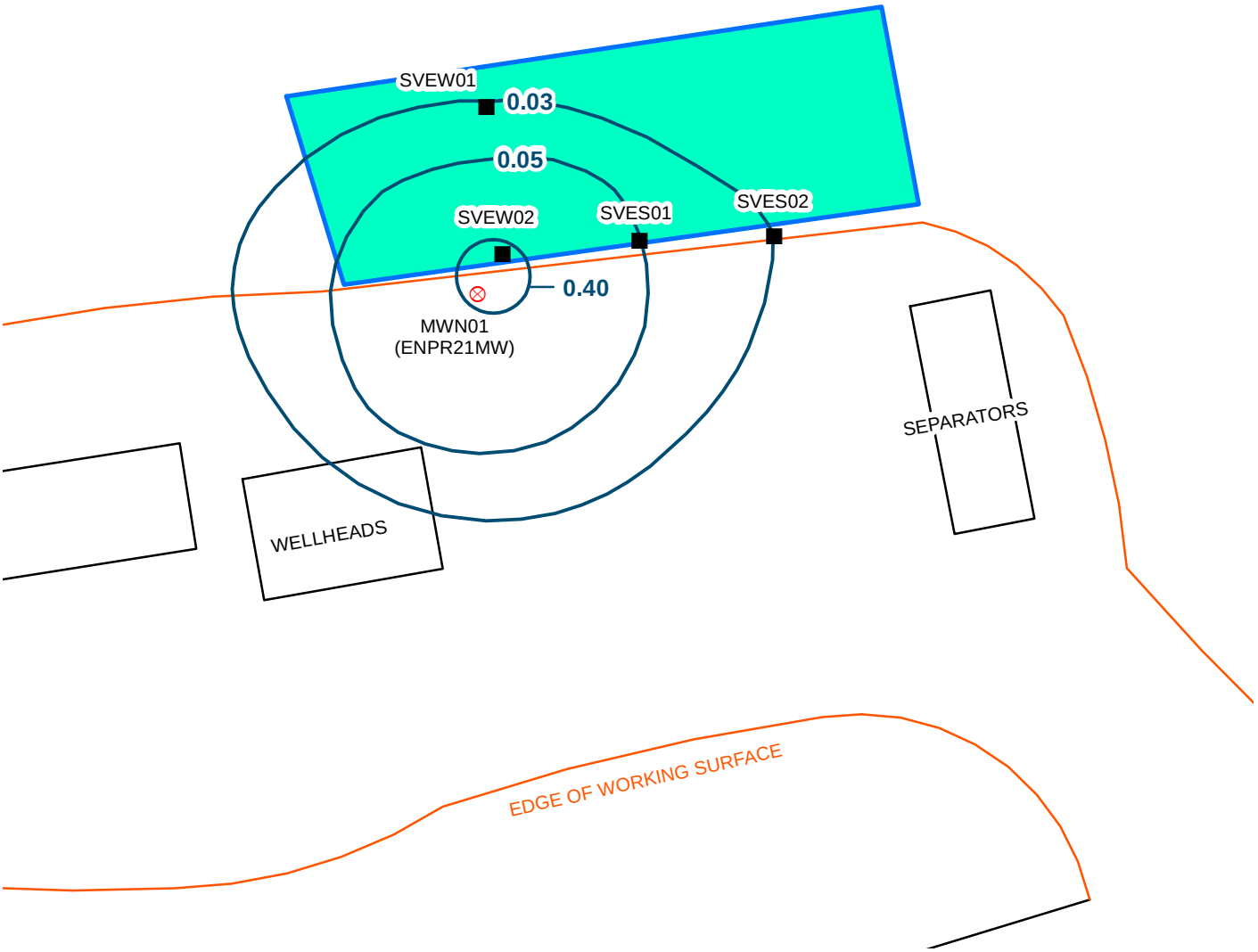


RADIUS OF INFLUENCE (5 IN. WC)
N30 PAD
GARFIELD COUNTY, COLORADO

ENCANA OIL & GAS (USA) INC.

P:\Encana\GIS\MXD\033413001_N_30\033413001_N30_FIG02_SVE_PILOT TEST_2015.mxd

15 INCHES OF WATER COLUMN



LEGEND

- MONITORING WELL
- SOIL VAPOR EXTRACTION WELL
- RADIUS OF INFLUENCE IN INCHES OF WATER COLUMN
- PIT OUTLINE

0 50 100
Feet

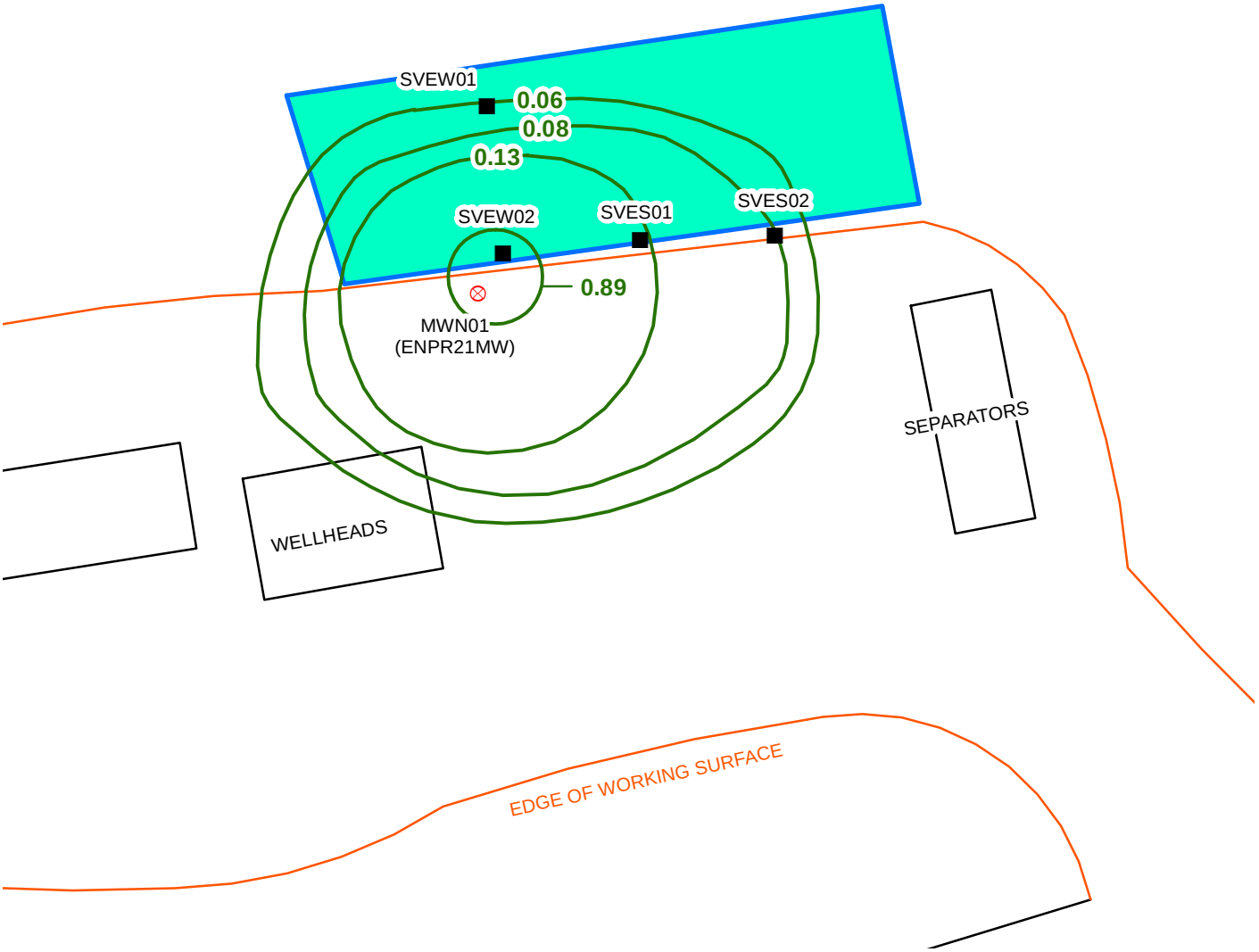
N

RADIUS OF INFLUENCE (15 IN. WC)
N30 PAD
GARFIELD COUNTY, COLORADO

ENCANA OIL & GAS (USA) INC.

P:\Encana\GIS\MXD\033413001_N_30\033413001_N30_FIG02_SVE_PILOT TEST_2015_15INCHES.mxd

45 INCHES OF WATER COLUMN



LEGEND

- ⊗ MONITORING WELL
- ■ SOIL VAPOR EXTRACTION WELL
- RADIUS OF INFLUENCE INCHES OF WATER COLUMN
- PIT OUTLINE

0 50 100
Feet

N

RADIUS OF INFLUENCE (45 IN. WC)
N30 PAD
GARFIELD COUNTY, COLORADO

ENCANA OIL & GAS (USA) INC.

P:\Encana\GIS\MXD\033413001_N_30\033413001_N30_FIG02_SVE_PILOT TEST_2015_45INCHES.mxd

COMPLIANCE / ENGINEERING / REMEDIATION

LT Environmental, Inc.
820 Megan Avenue, Unit B
Rifle, Colorado 81650
T 970.285.9985 / F 970.285.2467

May 5, 2015

Mr. Chris Hines
Environmental Specialist
Encana Oil & Gas (USA) Inc.
143 Diamond Avenue
Parachute, Colorado

RE: First Quarter 2015 Remedial Activities and Groundwater Monitoring Report
N30 (REM – 7167)
Location ID – 335670
Facility ID - 285021
North Parachute Ranch
Garfield County, Colorado

Dear Mr. Hines:

LT Environmental, Inc. (LTE) has been contracted by Encana Oil & Gas (USA) Inc. (Encana) to conduct remedial and quarterly groundwater monitoring activities at Encana's N30 pad located in the North Parachute area of operations (Site). The following summarizes activities conducted during the first quarter, 2015.

QUARTERLY GROUNDWATER MONITORING ACTIVITIES

Depth to Groundwater Measurements

On March 11, 2015, depth to groundwater was measured in monitoring wells ENPR17MW, ENPR18MW, ENPR19MW, ENPR20MW, and ENPR21MW. The recorded groundwater measurements were used to calculate potentiometric surfaces and purge volumes. The depths to static groundwater table ranged from 37.05 feet below top of casing (BTOC) in ENPR19MW to 53.55 feet BTOC in ENPR17MW (Table 1). Free product was not observed any of the monitoring wells during the first quarter 2015 sampling event. The attached Site Diagram depicts monitoring well locations at the Site.

On March 10, 2015, LTE personnel resurveyed all monitoring wells, the data was used to calculate the difference in the top of casing and depth to groundwater, LTE determined the groundwater elevation in each monitoring well and generated the attached Groundwater Elevation Map. Based on the first quarter 2015 Groundwater Elevation Map, groundwater flows to the south-southwest, toward the East Fork of Parachute Creek.

Groundwater Sampling Procedures

Using the recorded depth to water measurements to calculate the volume of water per well casing, each monitoring well was purged of a minimum of three well casing volumes prior to

collection of groundwater samples. Initially and throughout the purging process, water quality parameters are monitored to indicate that formation water is being sampled (Table 1). Groundwater samples are collected using 1.6-inch diameter disposable bailers. Groundwater samples are collected in laboratory-prepared sample bottles, placed on ice, and delivered under chain-of-custody protocol to ESC Lab Sciences of Mt. Juliet, Tennessee (ESC) for laboratory analysis of benzene, toluene, ethylbenzene, toluene (BTEX), and Total Petroleum Hydrocarbons (TPH). Analysis for methyl tert-butyl ether (MTBE) was suspended due to historical results being consistently below laboratory detection limits.

Groundwater Analytical Results

On March 11, 2015, five groundwater samples were collected from monitoring wells ENPR17MW, ENPR18MW, ENPR19MW, ENPR20MW, and ENPR21MW and submitted to ESC for analysis of BTEX and TPH. All BTEX analytes were either below the laboratory detection limits or were within COGCC allowable concentration. TPH values ranged from 100 micrograms per liter (µg/L) in ENPR17MW to 28,500 µg/L in ENPR21MW. BTEX and TPH values were below laboratory detection limits in all perimeter wells. Table 2 summarizes historical groundwater analytical data collected at the Site.

REMEDIAL ACTIVITIES

Product Characterization

On January 2, 2015, LTE personnel collected a product characterization sample from ENPR21MW. The sample was submitted to ChemSolutions for analysis by gas chromatography using a flame ionization detector. The sample chromatogram was compared to various fuel standards chromatograms. The chromatogram for the sample matched the finger print for diesel fuel. The attached analytical report summarizes the sample characterization.

Remediation System

From July 30, 2013, through August 6, 2013, LTE installed 11 soil vapor extraction (SVE) wells at depths ranging from 20 to 60 feet below ground surface (bgs) within the previous pit location. These wells were converted to passive SVE wells by affixing a rotating vent to the top of the well allowing for the removal and circulation of subsurface soil vapors. By allowing for subsurface vapors such as carbon dioxide and methane to be expelled from the formation and allowing oxygen to circulate throughout the formation, microbial bacteria can better utilize the hydrocarbons as an energy source, thus degrading the hydrocarbon concentrations in soil. These passive vent wells are utilized to allow for enhanced biodegradation of hydrocarbon impacted soils identified in the vadose or unsaturated zone of the soil column. Bio-attenuation parameters are monitored on a monthly basis to track the resulting data which will be evaluated for the remedial progress of the vadose zone soils. Field measurements are discontinued during the winter months when microbial bacteria is less active or dormant. Table 3 summarizes passive SVE observation and maintenance field parameters.

Enhanced Fluid Recovery

On January 2, February 10, and March 10, 2015, LTE conducted enhanced fluid recovery (EFR) events at the Site. A vacuum truck owned and operated by Knowles Transportation (Knowles) was connected via four-inch flexible hose to a manifold LTE designed and built to extract free product and groundwater from monitoring wells ENPR17MW, ENPR18MW, and ENPR21MW. During the February and March EFR events free product and groundwater was extracted out of SVEW02 and will continue during future extraction events. Depth to groundwater was measured and recorded prior to extraction activities to monitor the thickness of free-phase hydrocarbons.

During the January 2, 2014, EFR event, the vacuum truck operated for approximately 5 hours, removing approximately 37 barrels (bbl) of groundwater and free product. The average vacuum pressure being applied to the extraction wells was 18 inches of mercury (in Hg). Initial depth to water in ENPR21MW was 37.32 feet bgs. Complete drawdown of the water column in ENPR21MW occurred, dewatering the formation in the vicinity of this extraction well. Approximately 0.01 feet of product was initially observed in monitoring wells ENPR18MW and ENPR21MW prior to EFR activities. Minimal drawdown of the water column occurred in ENPR17MW and ENPR18MW during the EFR event.

During the February 10, 2015, EFR event, the vacuum truck operated for approximately 5.5 hours removing approximately 15 bbl of groundwater and free product. The average vacuum pressure being applied to the extraction wells was 20 in Hg. Initial depth to water in ENPR21MW was 37.41 feet bgs with approximately 0.01 feet of product measured on top of the groundwater table. Initial depth of water in SVEW02 was 38.61 feet bgs with approximately 0.2 feet of product measured on top of the groundwater table. Complete drawdown of the water column in ENPR21MW occurred, dewatering the formation in the vicinity of this extraction well. Minimal drawdown of the water column occurred in ENPR17MW, ENPR18MW and SVEW02, respectively.

During the March 10, 2015, EFR event, the vacuum truck operated for approximately 5.5 hours removing approximately 15 bbl of groundwater and free product. The average vacuum pressure being applied to the extraction wells was 18 in Hg. Initial depth to water in ENPR21MW was 37.15 feet bgs. Initial depth of water in SVEW02 was 38.55 feet bgs with approximately 0.18 feet of product measured on top of the groundwater table. Complete draw down of water column in ENPR21NW occurred, dewatering the formation in the vicinity of the extraction well. Minimal drawdown of the water column occurred in ENPR17MW, ENPR18MW and SVEW02, respectively. (Table 4 summarizes data and observations collected during EFR events.)

Summary and Conclusions

On March 11, 2015, LTE conducted first quarter groundwater monitoring activities at the Site. Groundwater flow at the Site was observed to flow to the south-southwest. No product was observed within the monitoring wells during the sampling event. Laboratory analytical results

indicate BTEX concentrations in all wells are either below laboratory detection limits or are within COGCC allowable concentrations. Laboratory analytical results indicate TPH concentrations exceed laboratory detection limits in all monitoring wells except for ENPR19MW.

On March 10, 2015, LTE collected a product characterization sample from ENPR21MW. The characterization of the sample was identified through gas chromatography. The analysis indicated the sample to be consistent of diesel fuel.

During the first quarter 2015 groundwater monitoring event, pH values ranged from 7.37 (ENPR17MW) to 7.51 (ENPR20MW). Temperatures of groundwater samples ranged from 9.51 degrees Celsius (°C) in ENPR19MW to 10.83 °C in ENPR17MW. Observed dissolved oxygen concentrations indicate the availability of oxygen in the subsurface of the Site that will support microbial bacterial activity.

On Janurary 2, February 10, and March 10, 2015, LTE conducted EFR events at the Site. Approximately 67 bbl of groundwater and free product were removed during the first quarter 2015. Dewatering of the formation in the area of ENPR21MW was accomplished during each EFR event. It appears that free product is mobilizing toward the extraction wells and is being removed during the EFR events. With the approval of Encana, LTE will continue EFR events on a monthly basis.

The next EFR event is scheduled for May, 2015. The next quarterly sampling event is scheduled for June, 2015. Upon resurveying of the monitoring wells, LTE confirmed that the groundwater flow direction at the Site flows to the south-southwest direction toward the East Fork of Parachute Creek.

Should you have any questions regarding this report, please contact LTE at (970) 285-9985.

Sincerely,

LT ENVIRONMENTAL, INC.

Chris McKisson
Project Environmental Scientist

Rob Fishburn, P.G.
Western Slope Office Manager/
Senior Hydrogeologist

Attachments:
Site Diagram
Groundwater Elevation Map
Product Characterization Analytical
Table 1 – Groundwater Field Parameters
Table 2 – Groundwater Analytical Results
Table 3 – SVE Operation and Maintenance Field Parameters
Table 4 – Enhanced Fluid Recovery Summary

IMAGE COURTESY OF ESRI

LEGEND

- MONITORING WELL
- SOIL VAPOR EXTRACTION WELL (SVE)
- PIT OUTLINE

0 60 120
Feet

N

SITE DIAGRAM
N30 PAD
GARFIELD COUNTY, COLORADO

ENCANA OIL & GAS (USA) INC.

P:\Encana\GIS\MXD\033413001_N_30\033413001_N30_FIG02_PIT_11X17_042415.mxd

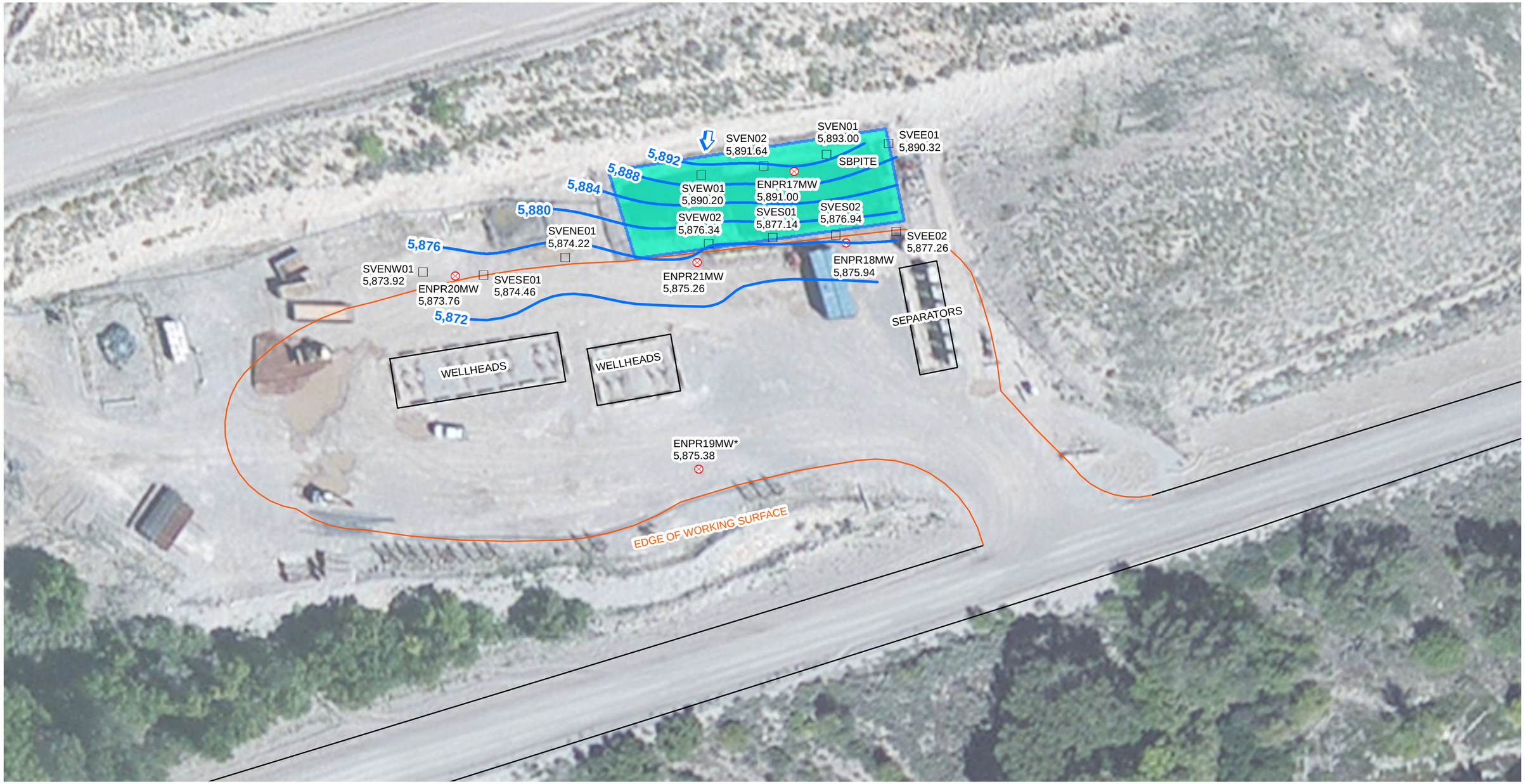


IMAGE COURTESY OF ESRI

LEGEND

- MONITORING WELL
- SOIL VAPOR EXTRACTION WELL (SVE)
- ESTIMATED GROUNDWATER FLOW DIRECTION
- PIT OUTLINE
- RELATIVE GROUNDWATER ELEVATION CONTOUR
- CONTOUR INTERVAL = 4 FEET
- GRADIENT = 0.276 FEET/FOOT

0 60 120
Feet

N

GROUNDWATER ELEVATIONS WERE MEASURED ON MARCH 10, 2015.

*MONITORING WELL ENPR19MW WAS NOT USED TO GENERATE RELATIVE GROUNDWATER ELEVATION CONTOURS.

GROUNDWATER ELEVATION MAP
SITE DIAGRAM
N30 PAD
GARFIELD COUNTY, COLORADO

ENCANA OIL & GAS (USA) INC.

P:\Encana\GIS\MXD\033413001_N_30\033413001_N30_GWE_2015_Q1_11X17.mxd

ChemSolutions

7388 S. Revere Parkway #806
Centennial, CO 80112
303.771.5570

January 16, 2015

Chris McKisson
LT Environmental, Inc.
820 Megan Avenue, Unit B
Rifle, CO 81650

RE: LTE841

Dear Chris,

Following are the results of the product characterization for the Project #033413001 sample collected on 1/7/15.

Sample 20150107-N30 (PC) was analyzed by gas chromatography using a flame ionization detector. The sample chromatogram was compared to various fuel standard chromatograms. Each fuel has a chromatographic fingerprint. The chromatogram for the sample matches the fingerprint for diesel fuel. The sample carbon range is C10-C30.

Copies of the sample, diesel standard and retention time standard chromatograms are enclosed. Also enclosed is an overlay of the sample and diesel chromatograms.

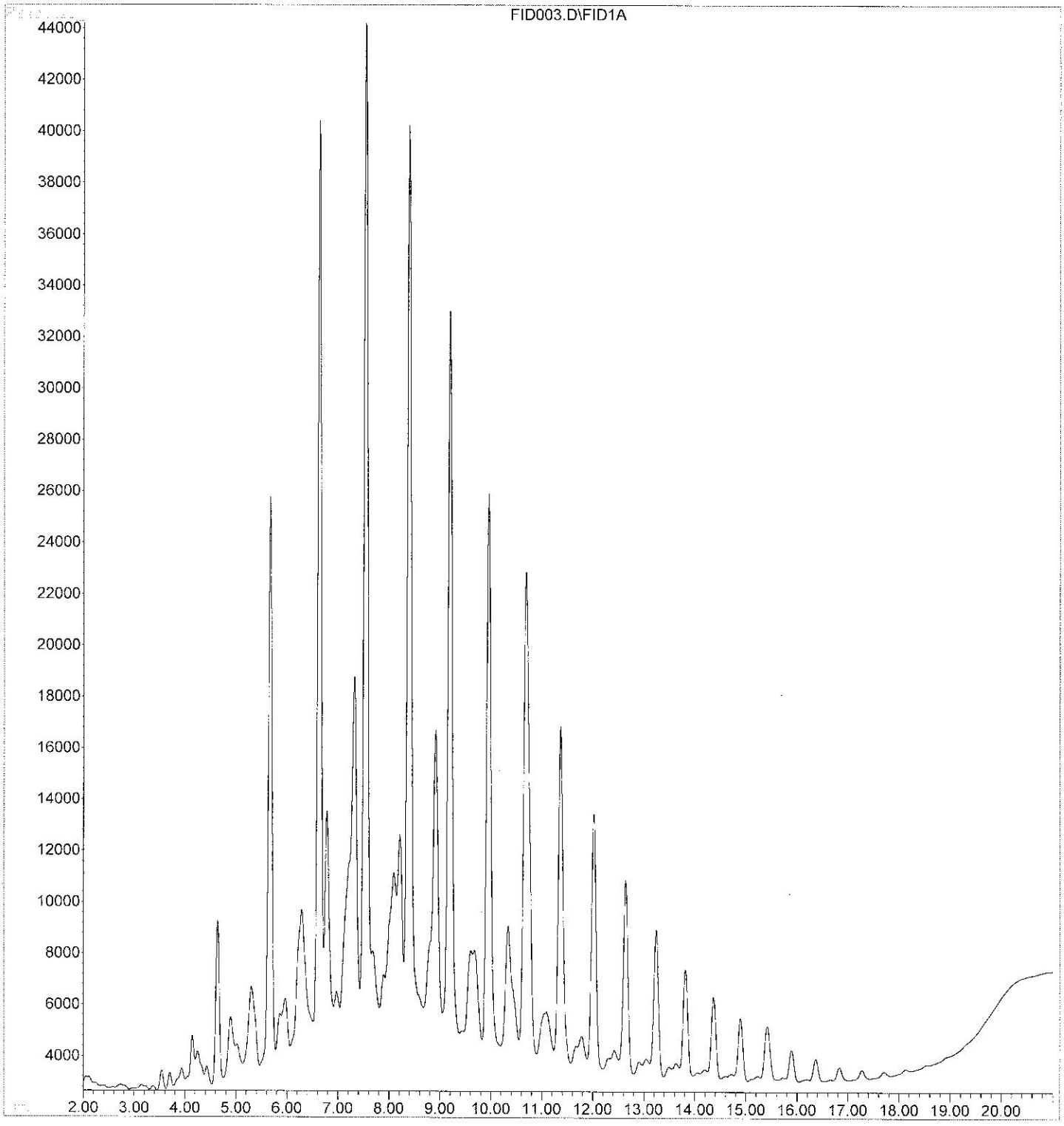
Thank you for the opportunity to work on this project. Please call if you have any questions. The invoice will be sent separately.

Sincerely,

John Graves
Laboratory Director
ChemSolutions LLC

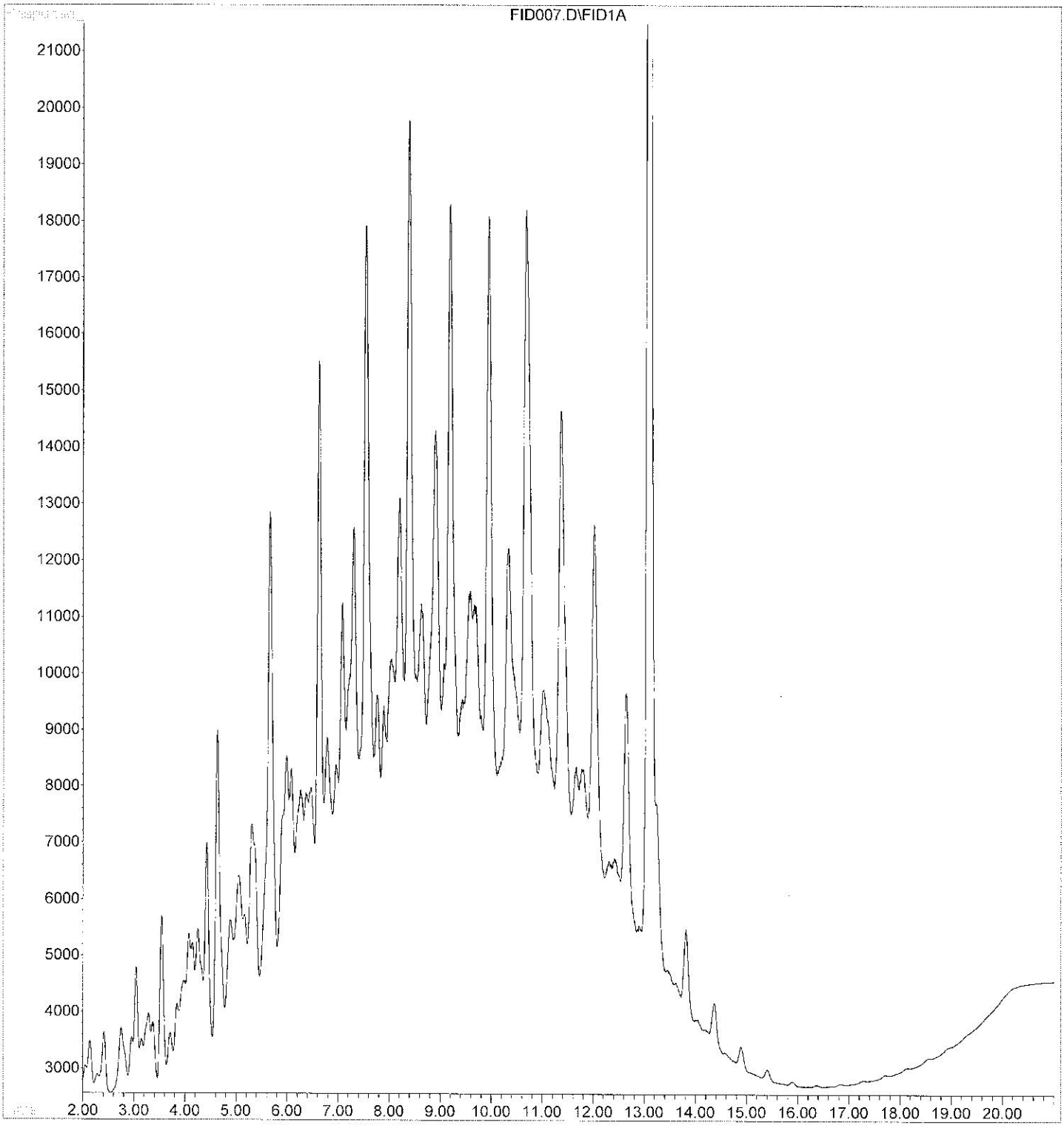
1000 ppm Product LTE841

File : C:\HPCHEM\4\DATA\011315\FID003.D
Operator : LB
Acquired : 13 Jan 2015 1:31 pm using AcqMethod DR010915.M
Instrument : GC Instru
Sample Name: 20150107-N30 Product Char. LTE841
Misc Info : 100uL of 10,000ppm/1mL (1000ppm)
Vial Number: 3



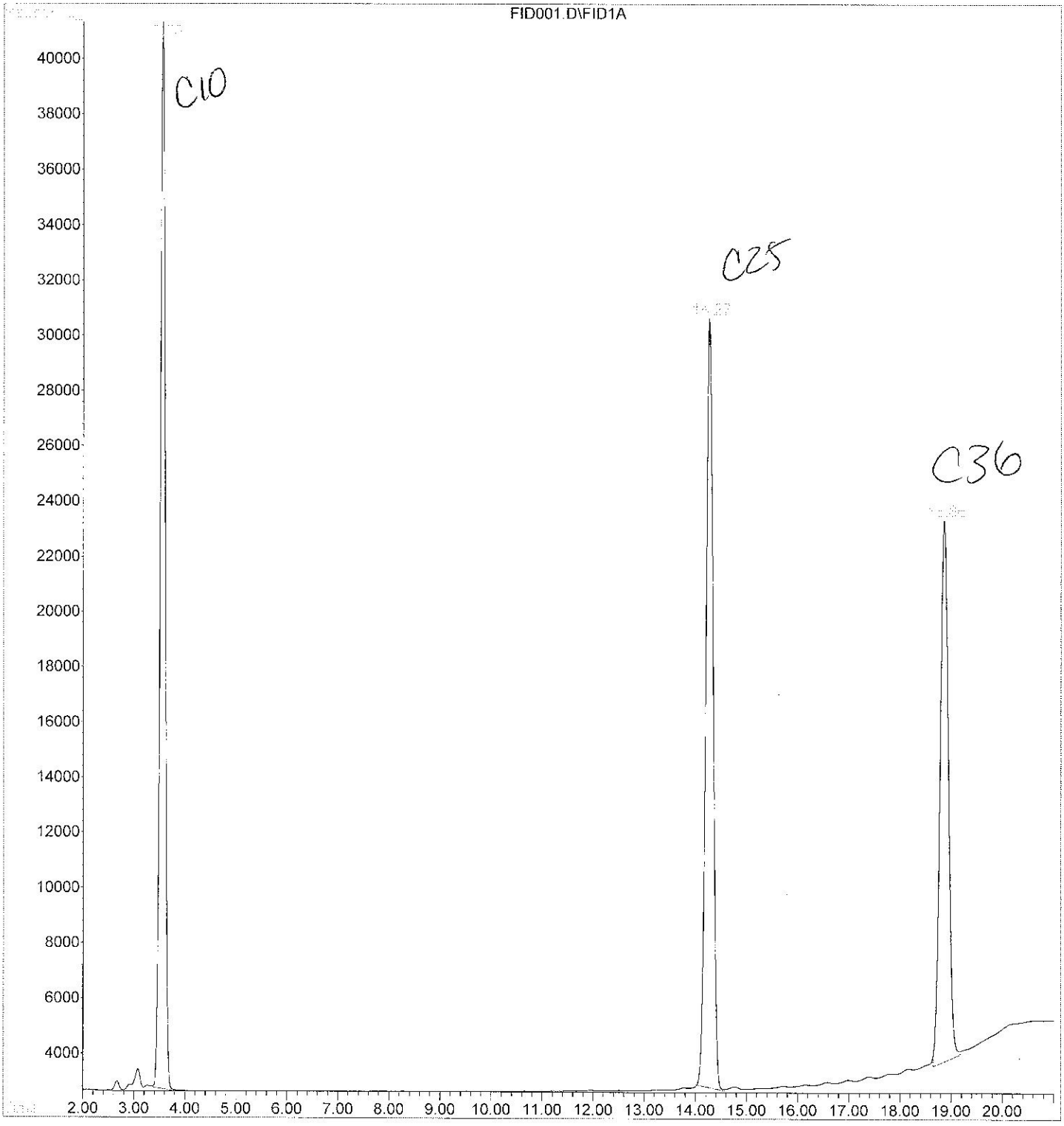
1000 ppm diesel standard

File : C:\HPCHEM\4\DATA\010915\FID007.D
Operator : LB
Acquired : 9 Jan 2015 12:48 pm using AcqMethod DR010915.M
Instrument : GC Instru
Sample Name: 1000ug/mL DRO ICAL
Misc Info : 10/17/14
Vial Number: 7



Retention time standard

File : C:\HPCHEM\4\DATA\122914\FID001.D
Operator : LB
Acquired : 29 Dec 2014 10:45 am using AcqMethod DR122914.M
Instrument : GC Instru
Sample Name: DRO Retention Time Marker
Misc Info : new column
Vial Number: 1



Overlay of Product sample with diesel standard.

File : C:\HPCHEM\4\DATA\010915\FID007.D
Operator : LB
Acquired : 9 Jan 2015 12:48 pm using AcqMethod DR010915.M
Instrument : GC Instru
Sample Name: 1000ug/mL DRO ICAL
Misc Info : 10/17/14
Vial Number: 7

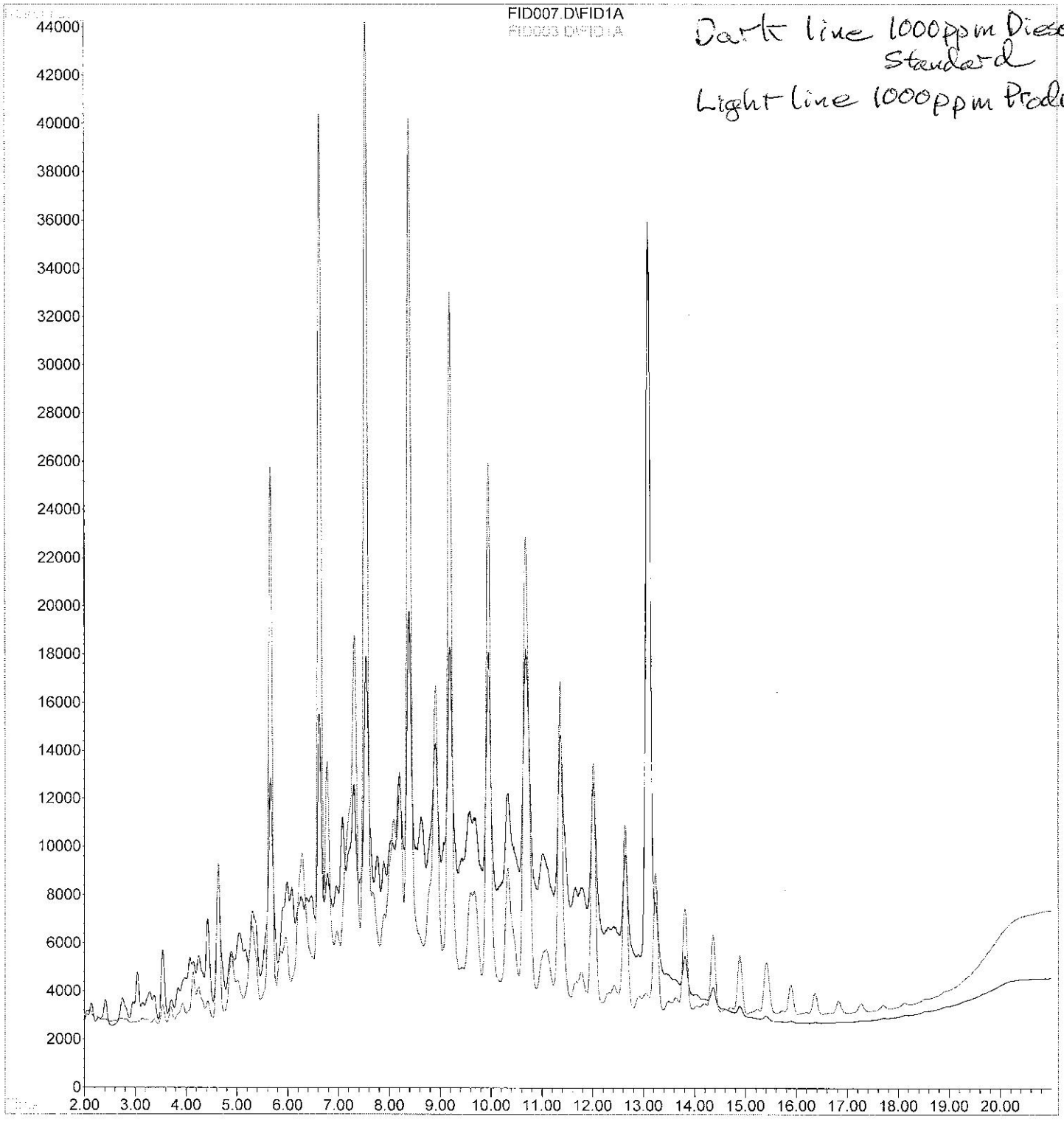


TABLE 1
N30 PAD
GROUNWATER FIELD PARAMETERS
ENCANA OIL & GAS (USA) INC
GARFIELD COUNTY, COLORADO

Well	Date	TD ft btoc	DTW ft btoc	DTP ft btoc	Temperature °C	Conductivity µS/cm	DO mg/L	TDS g/L	pH
ENPR17MW	12/1/2014	62.00	53.55	NA	10.81	890	3.33	0.577	7.50
	3/11/2015	62.10	53.55	NA	10.83	810	4.16	0.723	7.37
ENPR18MW	12/1/2014	43.02	37.15	NA	9.40	640	2.29	0.588	7.47
	3/11/2015	42.66	37.15	NA	10.06	750	3.79	0.683	7.4
ENPR19MW	12/1/2014	44.30	35.81	NA	9.00	590	3.32	0.549	7.45
	3/11/2015	44.10	37.05	NA	9.51	670	5.97	0.614	7.4
ENPR20MW	12/1/2014	42.80	38.39	NA	10.42	630	0.00	0.569	7.46
	3/11/2015	42.46	38.45	NA	10.11	700	5.02	0.656	7.51
ENPR21MW	12/1/2014	45.60	37.47	37.31	11.54	890	3.71	0.573	7.32
	3/11/2015	45.33	37.39	NA	10.7	780	4.7	0.698	7.47

Notes:

< - less than the stated reporting limit
BOLD - indicates result exceeds the COGCC concentration level
COGCC - Colorado Oil and Gas Conservation Commission
g/L - grams per liter
µS/cm - microsiemens per centimeter
NA - not applicable
SU - standard unit
ft - feet
btoc - below top of casing
NM - not measured
TD - total depth
DTW - depth to water
DTP - depth to product (estimated based on visual observation)
* - well casing filled with silt after installation
DO - dissolved oxygen
TDS - total dissolved solids

TABLE 2
GROUNDWATER ANALYTICAL RESULTS
N30 PAD
ENCANA OIL & GAS (USA) INC
GARFIELD COUNTY, COLORADO

Sample ID	Date Sampled	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	TPH-GRO (µg/L)	TPH-DRO (µg/L)	MTBE (µg/l)
ENPR17MW	5/1/2013	0.58	8.1	0.71	13	NS	NS	<1.0
	9/24/2013	<1.0	<5.0	<1.0	<3.0	NS	NS	<1.0
	3/25/2014	<1.0	<5.0	<1.0	<3.0	NS	NS	<1.0
	6/24/2014	<1.0	<5.0	<1.0	<3.0	NS	NS	<1.0
	12/1/2014	<1.0	<5.0	<1.0	<3.0	NS	NS	<1.0
	3/11/2015	<1.0	<5.0	<1.0	<3.0	<100	100	NS
ENPR18MW	5/1/2013	0.94	5.2	6.6	10	NS	NS	<1.0
	9/24/2013	<1.0	<5.0	<1.0	<3.0	NS	NS	<1.0
	3/25/2014	<1.0	<5.0	<1.0	<3.0	NS	NS	<1.0
	6/24/2014	<1.0	<5.0	<1.0	<3.0	NS	NS	<1.0
	12/1/2014	<1.0	<5.0	<1.0	<3.0	NS	NS	<1.0
	3/11/2015	<1.0	<5.0	<1.0	<3.0	<100	780	NS
ENPR19MW	5/1/2013	<0.5	<5.0	<0.5	<1.5	NS	NS	<1.0
	9/3/2013	<1.0	<5.0	<1.0	<3.0	NS	NS	<1.0
	3/25/2014	<1.0	<5.0	<1.0	<3.0	NS	NS	<1.0
	6/24/2014	<1.0	<5.0	<1.0	<3.0	NS	NS	<1.0
	12/1/2014	<1.0	<5.0	<1.0	<3.0	NS	NS	<1.0
	3/11/2015	<1.0	<5.0	<1.0	<3.0	<100	<100	NS
ENPR20MW	5/1/2013	1.4	7.1	1.3	11	NS	NS	<1.0
	9/4/2013	<1.0	<5.0	<1.0	<3.0	NS	NS	<1.0
	3/25/2014	<1.0	<5.0	<1.0	<3.0	NS	NS	<1.0
	6/24/2014	<1.0	<5.0	<1.0	<3.0	NS	NS	<1.0
	12/1/2014	<1.0	<5.0	<1.0	<3.0	NS	NS	<1.0
	3/11/2015	<1.0	<5.0	<1.0	<3.0	<100	200	NS
ENPR21MW	9/24/2013	<1.0	<5.0	<1.0	<3.0	NS	NS	<1.0
	3/25/2014	<1.0	<5.0	<1.0	<3.0	NS	NS	<1.0
	6/24/2014	<1.0	<5.0	<1.0	<3.0	NS	NS	<1.0
	12/1/2014	<1.0	<5.0	<1.0	4.6	NS	NS	<1.0
	3/11/2015	<1.0	<5.0	<1.0	<3.0	2,500	26,000	NS
COGCC ALLOWABLE CONCENTRATIONS		5	1,000	700	10,000	NA	NA	NA

Notes:
< - less than the stated reporting limit
BOLD - indicates result exceeds the COGCC allowable concentration
COGCC - Colorado Oil and Gas Conservation Commission
µg/l - micrograms per liter
NA - not applicable
TPH - total petroleum hydrocarbons
GRO - gasoline range organics
DRO - diesel range organics
MTBE - methyl tert-butyl ether

TABLE 3
SVE OPERATION AND MAINTENANCE FIELD PARAMETERS
N30 WELL PAD
ENCANA OIL AND GAS (USA) INC.
GARFIELD COUNTY, COLORADO

Well ID	Date	Velocity (fpm)	Flow (cfm)	Temperature (°F)	PID (ppm)	O_2 (%)	H_2S (ppm)	CO (ppm)	CO_2 (%)	CH_4 (%)	TPH (mg/kg)
SVEN01	8/5/2014	2	0.0218	88.5	19.5	15.2	0	1	12.7	0	660
	9/8/2014	0	0.000	90.8	23	8.2	0	1	12.8	0	
	10/16/2014	9	0.109	88.9	8.8	0.0	0	2	14.7	7	
SVEN02	8/5/2014	0	0.000	88.3	0.2	14.2	0	2	6.2	0	44
	9/8/2014	0	0.000	83.4	0.0	10.1	0	1	6.9	0	
	10/16/2014	30	0.545	89.0	0.0	13.3	0	3	4.3	55	
SVEW01	8/5/2014	1	0.0218	87.6	0.2	18.5	0	2	3.3	0	271.2
	9/8/2014	0	0.000	84.7	0.0	15.7	0	1	3.0	0	
	10/16/2014	9	0.193	89.7	0.4	11.3	0	1	4.6	18	
SVENW01	8/5/2014	24	0.545	85.3	0.8	18.5	0	1	2.2	0	12,620
	9/8/2014	1	0.0218	83.4	1.2	16.2	0	1	2.3	0	
	10/16/2014	4	0.0655	86.4	0.3	16.5	0	3	1.2	0	

TABLE 3
SVE OPERATION AND MAINTENANCE FIELD PARAMETERS
N30 WELL PAD
ENCANA OIL AND GAS (USA) INC.
GARFIELD COUNTY, COLORADO

Well ID	Date	Velocity (fpm)	Flow (cfm)	Temperature (°F)	PID (ppm)	O_2 (%)	H_2S (ppm)	CO (ppm)	CO_2 (%)	CH_4 (%)	TPH (mg/kg)
SVESE01	8/5/2014	26	0.525	87.1	1.9	18.2	0	1	1.2	0	52
	9/8/2014	25	0.436	83.3	1.4	13.7	0	1	1.5	0	
	10/16/2014	28	0.595	85.7	0.4	18.1	0	2	0.8	0	
SVENE01	8/5/2014	25	0.525	84.2	9.6	15.2	0	1	5.1	0	765
	9/8/2014	31	0.655	86.3	11.2	14.1	0	2	5.5	0	
	10/16/2014	NM	NM	NM	NM	NM	NM	NM	NM	NM	
SVEW02	8/5/2014	27	0.635	89.4	13.0	0.0	0	0	16.1	17	5,120
	9/8/2014	9	0.175	88.1	15.0	0.0	0	0	13.2	26	
	10/16/2014	32	0.610	86.7	2.4	12.8	0	2	5.5	3	
SVES01	8/5/2014	1	0.0218	91.2	84.1	0.0	0	0	>20	65	8,080
	9/8/2014	2	0.0218	95.4	89	0.0	0	0	>20	4	
	10/16/2014	27	0.459	83.4	17.9	0.0	0	0	17.5	9	

TABLE 3
SVE OPERATION AND MAINTENANCE FIELD PARAMETERS
N30 WELL PAD
ENCANA OIL AND GAS (USA) INC.
GARFIELD COUNTY, COLORADO

Well ID	Date	Velocity (fpm)	Flow (cfm)	Temperature (°F)	PID (ppm)	O_2 (%)	H_2S (ppm)	CO (ppm)	CO_2 (%)	CH_4 (%)	TPH (mg/kg)
SVES02	8/5/2014	1	0.0218	89.5	57.6	0.0	0	0	18.4	14	11,320
	9/8/2014	0	0.000	92.0	60	0.0	0	0	18.4	15	
	10/16/2014	9	0.193	85.2	23.7	13.7	0	1	4.4	31	
SVEE02	8/5/2014	2	0.0436	95.1	50.2	0.0	0	1	18.4	4	2,555
	9/8/2014	2	0.0218	99.2	49	0.0	0	1	19.4	7	
	10/16/2014	9	0.193	85.6	17.2	9.1	0	1	9.0	1	

Notes:

fpm - feet per minute
cfm - cubic feet per minute
°F - degrees Fahrenheit
PID - photoionization detector
ppm - parts per million
O_2 - oxygen
H_2S - hydrogen sulfide
CO - carbon monoxide
CO_2 - carbon dioxide
CH_4 - methane
mg/kg - milligrams per kilogram
TPH - total petroleum hydrocarbons
NM - Not measured

TABLE 4
ENHANCED FLUID RECOVERY SUMMARY
N30 WELL PAD
ENCANA OIL & GAS (USA) INC
GARFIELD COUNTY, COLORADO

Well ID	Date	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	Drawdown (ft)	Barrels Removed (bbl)	Average Vacuum (in. Hg)
ENPR17MW	10/29/2014	60.0	ND	53.36	1	5	17.5
	12/10/2014	60.0	ND	53.60	NM	5	22
	1/2/2015	60.0	ND	53.54	NM	5	18
	2/10/2015	60.0	ND	53.61	0.04	11.25	20
	3/10/2015	62.10	ND	57.57	0.02	4.75	18
ENPR18MW	10/29/2014	43.02	ND	36.93	1	5	17.5
	12/10/2014	43.02	ND	37.21	NM	5	22
	1/2/2015	43.02	37.13	37.14	NM	5	18
	2/10/2015	43.02	ND	37.21	0.03	11.25	20
	3/10/2015	43.02	ND	37.15	0.05	4.75	18
ENPR21MW	10/29/2014	46.60	ND	37.13	37.13	5	17.5
	12/10/2014	46.60	38.10	38.20	38.20	5	22
	1/2/2015	46.60	37.31	37.32	NM	5	18
	2/10/2015	46.60	37.40	37.41	1.54	8.25	20
	3/10/2015	46.60	ND	37.35	0.1	2.75	18
SVEW02	10/29/2014	40.00	38.20	38.22	0.02	NA	NA
	12/10/2014	40.00	NA	38.26	38.26	NA	NA
	1/2/2015	40.00	NA	38.33	NM	NA	NA
	2/10/2015	40.00	38.41	38.61	0.1	6.25	20
	3/10/2015	40.00	38.37	38.55	0.09	2.75	18

Notes:
in. Hg - inches of mercury
bbl - barrels
ft - feet
ND - non-detect
NM - not measured