TETRA TECH, INC.

1910 N. Big Spring
Midland, Texas 79705
(432) 686-8081

9123

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SEP 23 2010
HOBBSOCD

August 20, 2010

approved by
Geoffrey Leking
Environmental Engineer
NMOCD - Hobbs
09/29/10

Justin Wright
ConocoPhillips Company
Buckeye, NM
HC60 Box 66
Lovington, NM 88260

RE: Northwest Crosby Well #1 Findings Report
Lea County, New Mexico
Unit N, Sec. 7, T25S, R37E
NMOCD 1RP 2584

Dear Mr. Wright:

Tetra Tech submits this findings report for a subsurface investigation at ConocoPhillips' Northwest Crosby Well #1 (Site; Figure 1). This work is in support of ConocoPhillips efforts to delineate and remediate a recent 40 barrel crude release after a failure of a 3-inch ball valve (C141 attached). The Site is located approximately 1.3 miles northwest of Jal, New Mexico in Lea County, New Mexico (32.13903° N, 103.20306° W). The State is the land administrator.

The Site is located in the Eunice Plain[1]. The area is underlain by hard caliche layer and is almost entirely covered by reddish-brown dune sand. In the immediate vicinity of the Site, topography is nearly level to moderately undulating. The Largo-Pajarito sandy loam soil complex was formed on alluvial fans and plains and on foot slopes having outcrops of Triassic red-bed material.[2] Parent material was calcareous sandy alluvium and mixed sandy eolian deposits derived from sedimentary rock.

Exposure Pathway Analyses

Depth to water in the vicinity of the Site is estimated at 50 feet below ground surface (fbgs). This interpretation is based a water well (320730103114801) located approximately 3,700 feet southeast of the Site and identified in the New Mexico Office of State Engineer's database.[3] There are no playas, located within a 1,000 feet radius of the Site.

Following the ranking criteria presented in "*Guidelines for Remediation of Leaks, Spills, and Releases*" promulgated on August 13, 1993 by the New Mexico Oil Conservation Division (NMOCD), this Site has the following score:

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[1] Nicholson Jr., A. and A. Clebsch, 1961. Geology and Ground-Water Conditions in Southern Lea County, New Mexico. USGS, GW Rpt 6, Socorro, NM. pp. 123.

[2] U.S. Department of Agriculture, Natural Resources Conservation Services. Webb Soil Survey Database.

[3] New Mexico Office of State Engineer. W.A.T.E.R.S. Database.

Criteria		Ranking Score
Depth to groundwater	<50 feet	20
Distance from water source	>1,000 feet	0
Distance from domestic water source	>200 feet	0
Distance from surface water body	>1,000 feet	0
Total Ranking Score		20

The remediation action level for a ranking score greater than 19 is 10 parts per million (ppm) for benzene, 50 ppm for total benzene, toluene, ethylbenzene, and total xylenes (BTEX), and 100 ppm for total petroleum hydrocarbons (TPH).

In the event of oil/gas releases to the environment, the NMOCD uses the New Mexico Water Quality Control Commission's (NMWQCC) maximum contaminate level of 250 ppm for chloride (20.6.2.3103 NMAC, Subsection A) for delineation.

Scope of Work

The lateral extent of the mixed crude oil affected area was defined by the stained soil. To delineate the vertical extent of the affected area, Tetra Tech used a mobile air rotary drilling unit to bore one exploratory hole into the affected area. A split spoon was used to collect soil samples. A photo-ionization detector (PID) was used to screen for volatile organic hydrocarbons (VOC). VOC field analysis was used to determine the clean boundary of < 50 ppm VOC. Each boring was logged so observations concerning soil types, lithologic changes, and the environmental condition of the encountered soils were noted (see Boring Log).

Samples from the soil boring were submitted to a laboratory for confirmation analyses. The samples were placed into glass sample jars, sealed with Teflon-lined lids, and placed on ice for transportation to an analytical laboratory where they were analyzed for chloride (USEPA Method 300.0A), Diesel and gasoline range TPH (TPH_{DRO} and TPH_{GRO}, Method 8015), and benzene and BTEX (Method 8021). These analyses were used to confirm clean boundaries have been identified.

The boring was backfilled from bottom to top with bentonite.

Findings

The soils encountered during boring activity at the Site consisted of fine sandy soils at 0 – 25 fbgs with clay or sandstone stringers.

Laboratory analyses of the soil boring samples are presented in Table 1 and in the Appendix.

Table 1
ConocoPhillips
NW Crosby Well #1
Lea County New Mexico
Soil Boring Results
July 15, 2010

Sample Depth (ft)	Chloride (mg/Kg)	Petroleum Hydrocarbons			Volatile Organic Hydrocarbons				
		GRO (mg/Kg)	DRO (mg/Kg)	Total (mg/Kg)	Benzene (mg/Kg)	Ethyl benzene (mg/Kg)	Toluene (mg/Kg)	Total Xylenes (mg/Kg)	BTEX (mg/Kg)
3	6.13	2,000	550	2,550	ND	17	34	158	209
5	7.25	2,300	700	3,000	ND	11	16	109	136
10	5.18	0.2	ND	0.2	ND	ND	ND	ND	ND
15	ND	ND							

TPH_{GRO} =Gasoline range petroleum hydrocarbons
TPH_{DRO} =Diesel range petroleum hydrocarbons
ft = Feet
mg/Kg = Milligrams per kilogram
ND = Analyte not detected at or above laboratory detection limits
Blank cell = Constituent not analyzed

Laboratory analyses indicated TPH and BTEX concentrations decreased with depth and were below NMOCD remedial action levels at 10 fbgs. Benzene was not detected in any of the soil samples.

Laboratory analysis indicated chloride concentrations ranged from 6.13 to 7.25 mg/Kg.

Conclusions

Exposure pathway analysis indicated a ranking score of "20." Therefore, the site-specific remediation levels are 100 mg/kg for TPH, 50 mg/kg for BTEX and 10 mg/kg for benzene. According to laboratory analyses of soils collected during this investigation, only TPH and BTEX were reported in the soil boring above NMOCD's remedial action level down to the 5 fbgs depth.

Recommendations

Tetra Tech recommends the following actions be taken at NW Crosby Well #1:

- Soil in affected area will be excavated to a depth of approximately 8-10 feet and hauled to a State approved disposal location.

- Aliquot soil samples will be collected in a "W" pattern, composited into one sample for each sidewall and floor in the excavation, and field analyzed using PID determine that remediation levels have been achieved (< 50 ppm). Companion composite samples will also be submitted to a laboratory for TPH_{GRO}, TPH_{DRO}, and BTEX analyses to confirm that these constituents have been removed to concentrations below remediation guidelines.

- Tetra Tech will supervise and direct all subcontractor activities, and following the

construction activities, prepare a report describing and documenting what was done for closure activities at the Site, including a site map. This report on activities and results will be submitted for NMOCD's review and ultimate closure of this voluntary remediation.

Tetra Tech suggests ConocoPhillips submit this findings report to the NMOCD for approval on the recommended remediation action. If you have any questions concerning this report please call me

.

Sincerely,

Tetra Tech, Inc.

Charles Durrett
Senior Project Manager

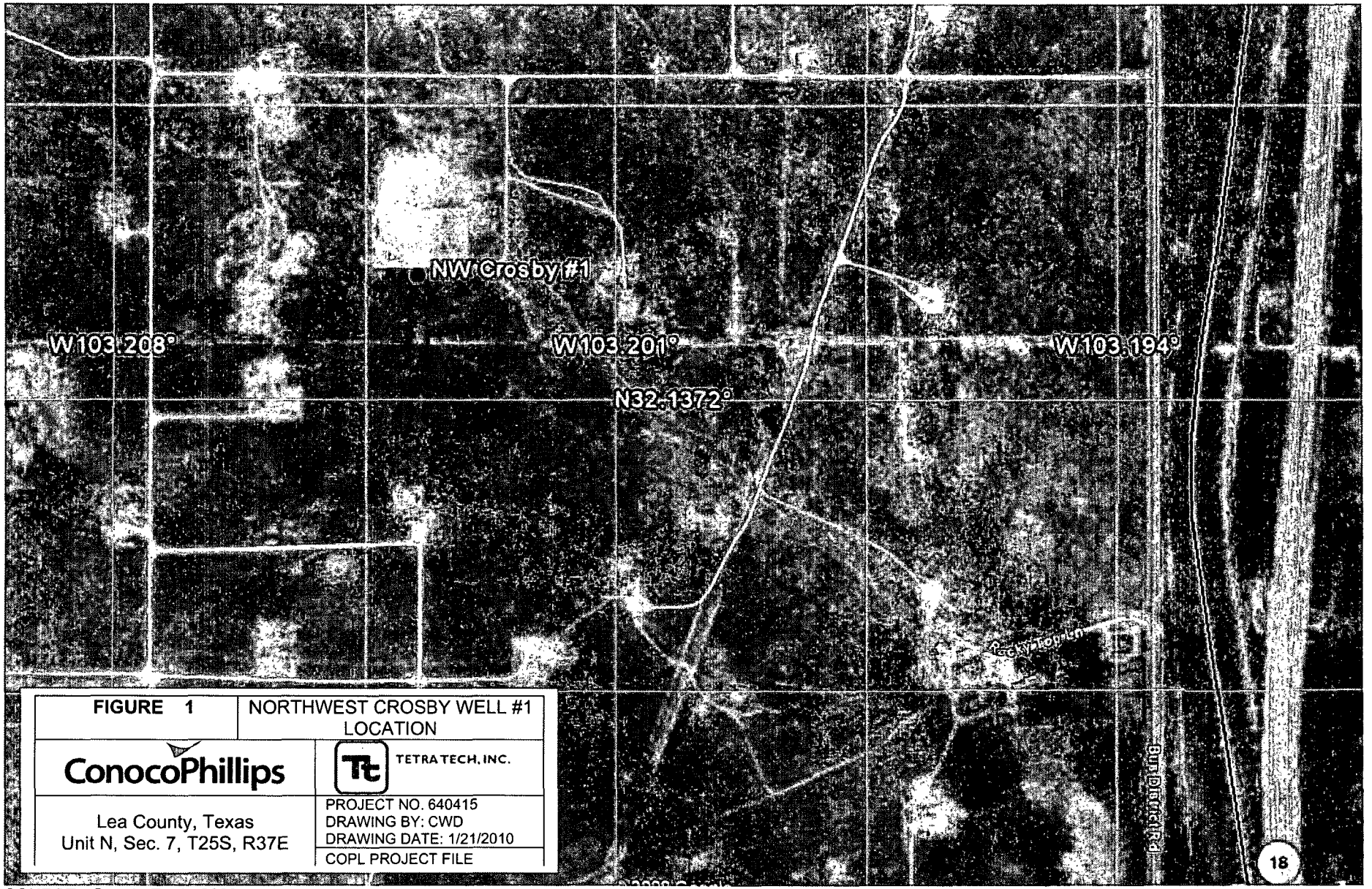

FIGURE 1	NORTHWEST CROSBY WELL #1 LOCATION
ConocoPhillips	TETRA TECH, INC.
Lea County, Texas Unit N, Sec. 7, T25S, R37E	PROJECT NO. 640415 DRAWING BY: CWD DRAWING DATE: 1/21/2010 COPL PROJECT FILE

SOURCE: Google Earth, 2009.

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

POD NUMBER (WELL NUMBER)	OSE FILE NUMBER(S)
NW CROSBY SB-1	
WELL OWNER NAME(S)	**PHONE (OPTIONAL)**
CONOCO - PHILLIPS	
WELL OWNER MAILING ADDRESS	**CITY** / **STATE** / **ZIP**
29 VACUM COMPLEX LANE	LOVINGTON / NM / 88260

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	8	22.00	N
	LONGITUDE	103	12	14.00	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND

* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS

FROM HWY 128 & 3RD ST IN JAL GO N TO LEASE RD GO W .5 MI TURN L GO . 2 MILE TO LEASE

2. OPTIONAL

(2.5 ACRE)	(10 ACRE)	(40 ACRE)	(160 ACRE)	SECTION	TOWNSHIP	RANGE
¼	¼	¼	¼		☐ NORTH ☐ SOUTH	☐ EAST ☐ WEST

SUBDIVISION NAME	LOT NUMBER	BLOCK NUMBER	UNIT/TRACT

HYDROGRAPHIC SURVEY	MAP NUMBER	TRACT NUMBER

3. DRILLING INFORMATION

LICENSE NUMBER	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD1478	EDWARD BRYAN	STRAUB CORPORATION

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
7-15-10	7-15-10	0	5	N/A

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): N/A

DRILLING FLUID: ☑ AIR ☐ MUD ☐ ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

DEPTH (FT) FROM	DEPTH (FT) TO	BORE HOLE DIA. (IN)	CASING MATERIAL	CONNECTION TYPE (CASING)	INSIDE DIA. CASING (IN)	CASING WALL THICKNESS (IN)	SLOT SIZE (IN)
0	5	5	N/A	N/A	N/A	N/A	N/A

4. WATER BEARING STRATA

DEPTH (FT) FROM	DEPTH (FT) TO	THICKNESS (FT)	FORMATION DESCRIPTION OF PRINCIPAL WATER-BEARING STRATA (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)	YIELD (GPM)

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA	TOTAL ESTIMATED WELL YIELD (GPM)

FOR OSE INTERNAL USE — WELL RECORD & LOG (Version 6/9/08)

FILE NUMBER	POD NUMBER	TRN NUMBER
LOCATION		PAGE 1 OF 2

5. SEAL AND PUMP

TYPE OF PUMP: ☐ SUBMERSIBLE ☐ JET ☐ NO PUMP – WELL NOT EQUIPPED ☐ TURBINE ☐ CYLINDER ☐ OTHER – SPECIFY:

ANNULAR SEAL AND GRAVEL PACK	DEPTH (FT) FROM	DEPTH (FT) TO	BORE HOLE DIA. (IN)	MATERIAL TYPE AND SIZE	AMOUNT (CUBIC FT)	METHOD OF PLACEMENT
	2	5	5	4 BAGS OF 3/8 PLUG		TOPLOAD
	0	2	5	.5 BAG OF CONCRETE		TOPLOAD

6. GEOLOGIC LOG OF WELL

DEPTH (FT) FROM	DEPTH (FT) TO	THICKNESS (FT)	COLOR AND TYPE OF MATERIAL ENCOUNTERED (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)	WATER BEARING?
0	2	2	BROWN FINE SAND - WITH CLAY	☐ YES ☑ NO
2	7	5	REDDISH TAN FINE SAND	☐ YES ☑ NO
7	16	9	TAN FINE SAND	☐ YES ☑ NO
16	20	4	TAN FINE SAND - SANDSTONE	☐ YES ☑ NO
20	23	3	RED FINE SAND	☐ YES ☑ NO
23	25	2	TAN FINE SANDSTONE (EMENTED SAND)	☐ YES ☑ NO
TD	25			☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO

ATTACH ADDITIONAL PAGES AS NEEDED TO FULLY DESCRIBE THE GEOLOGIC LOG OF THE WELL

7. TEST & ADDITIONAL INFO

WELL TEST — METHOD: ☐ BAILER ☐ PUMP ☐ AIR LIFT ☐ OTHER – SPECIFY:

TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

ADDITIONAL STATEMENTS OR EXPLANATIONS:

SOIL BORING ONLY- SOIL BORING WAS PLUGGED AND ABANDONED UPON COMPLETION OF SAMPLING

8. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:

Edward Bruce — SIGNATURE OF DRILLER

7/21/10 — DATE

FOR OSE INTERNAL USE — WELL RECORD & LOG (Version 6/9/08)

FILE NUMBER	POD NUMBER	TRN NUMBER
LOCATION		PAGE 2 OF 2

APPENDIX

Laboratory Report

SPL Inc.
8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

Certificate of Analysis

August 4, 2010

Workorder: H10070447

Charles Durrett
Tetra Tech
1703 W Industrial Avenue
Midland, TX 79701

Project: Crosby Well #1

Project Number: Crosby Well #1 / 114-6400-415

Site: Lea Co, NM

PO Number: Non RM&R

NELAC Cert. No.: T104704205-09-1

This Report Contains A Total Of 23 Pages

Excluding Any Attachments

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August 4, 2010

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Project Number: Crosby Well #1 / 114-6400-415

Site: Lea Co, NM

PO Number: Non RM&R

NELAC Cert. No.: T104704205-09-1

I. SAMPLE RECEIPT:

All samples were received intact. The internal ice chest temperatures were measured on receipt and are recorded on the attached Sample Receipt Checklist.

II: ANALYSES AND EXCEPTIONS:

Per the Conoco Phillips TSM Revision 0, a copy of the internal chain of custody is to be included in final data package. However, due to LIMS limitations, this cannot be provided at this time.

There were no exceptions noted.

III. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg\kg-dry " or " ug\kg-dry ").

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Some of the percent recoveries and RPD's on the QC report for the MS/MSD may be different than the calculated recoveries and RPD's using the sample result and the MS/MSD results that appear on the report because, the actual raw result is used to perform the calculations for percent recovery and RPD.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

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Certificate of Analysis

August 4, 2010

Workorder: H10070447

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Midland, TX 79701

Project: Crosby Well #1

Project Number: Crosby Well #1 / 114-6400-415

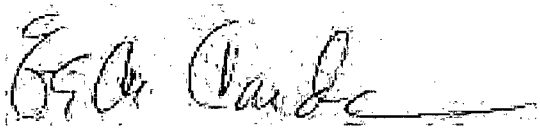
Site: Lea Co, NM

PO Number: Non RM&R

NELAC Cert. No.: T104704205-09-1

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or by his designee, as verified by the following signature.



Erica Cardenas, Senior Project Manager

Enclosures

SPL Inc.
8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

SAMPLE SUMMARY

Workorder: H10070447 : Crosby Well #1 Project Number: Crosby Well #1 / 114-6400-415

Lab ID	Sample ID	Matrix	COC ID	Date/Time Collected	Date/Time Received
H10070447001	SB-1 (3')	Soil		7/15/2010 13:30	7/17/2010 10:15
H10070447002	SB-1 (5')	Soil		7/15/2010 13:38	7/17/2010 10:15
H10070447003	SB-1 (10')	Soil		7/15/2010 13:43	7/17/2010 10:15
H10070447004	SB-1 (15')	Soil		7/15/2010 13:50	7/17/2010 10:15
H10070447005	SB-1 (20')	Soil		7/15/2010 14:00	7/17/2010 10:15
H10070447006	Trip Blank	Soil		7/15/2010 10:15	7/17/2010 14:20

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ANALYTICAL RESULTS

Workorder: H10070447 : Crosby Well #1 | Project Number: Crosby Well #1 / 114-6400-415

Lab ID: **H10070447001** | Date/Time Received: 7/17/2010 10:15 | Matrix: Soil

Sample ID: **SB-1 (3')** | Date/Time Collected: 7/15/2010 13:30

WET CHEMISTRY

Analysis Desc: EPA 300.0
Wet Weight Basis

Preparation Batches:
Batch: 1616 Soil Leachage (IC) on 07/19/2010 00:00 by WETC
Analytical Batches:
Batch: 1381 EPA 300.0 on 07/20/2010 21:13 by CFS

Parameters	Results mg/kg	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Chloride	6.13		5.00	0.328	1		1616	1381

VOLATILES

Analysis Desc: SW-846 8260B
Wet Weight Basis

Preparation Batches:
Batch: 2236 SW-846 5030 MeOH Prep on 07/17/2010 16:22 by LKL
Analytical Batches:
Batch: 2237 SW-846 8260B on 07/23/2010 14:46 by LKL

Parameters	Results ug/kg	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Benzene	ND		500	50	500		2236	2237
Ethylbenzene	17000		500	76	500		2236	2237
Toluene	34000		500	140	500		2236	2237
m,p-Xylene	120000		500	92	500		2236	2237
o-Xylene	38000		500	65	500		2236	2237
Xylenes, Total	158000		500	65	500		2236	2237
4-Bromofluorobenzene (S)	108 %		62-130		500		2236	2237
1,2-Dichloroethane-d4 (S)	96.9 %		64-130		500		2236	2237
Toluene-d8 (S)	104 %		70-140		500		2236	2237

Gasoline Range Organics (GRO)

Analysis Desc: SW-846 8015B GRO
Wet Weight Basis

Preparation Batches:
Batch: 1454 SW-846 5030 on 07/17/2010 16:23 by GCV
Analytical Batches:
Batch: 1455 SW-846 8015B GRO on 07/20/2010 17:53 by WLV

Parameters	Results mg/kg	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Gasoline Range Organics	2000		50	15	500		1454	1455
4-Bromofluorobenzene (S)	359 %	MI*	50-159		500		1454	1455
1,4-Difluorobenzene (S)	120 %		63-142		500		1454	1455

SEMIVOLATILE HYDROCARBONS

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ANALYTICAL RESULTS

Workorder: H10070447 : Crosby Well #1 | Project Number: Crosby Well #1 / 114-6400-415

Lab ID: **H10070447001** | Date/Time Received: 7/17/2010 10:15 | Matrix: Soil

Sample ID: **SB-1 (3')** | Date/Time Collected: 7/15/2010 13:30

Analysis Desc: SW-846 8015B DRO

Wet Weight Basis

Preparation Batches:

Batch: 1998 SW-846 3550B on 07/22/2010 09:08 by A_G

Analytical Batches:

Batch: 1760 SW-846 8015B DRO on 07/29/2010 21:19 by NDW

Parameters	Results mg/kg	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Diesel Range Organics(C10-C28)	550		120	26	25		1998	1760
n-Pentacosane (S)	0 %	D*	20-154		25		1998	1760

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ANALYTICAL RESULTS

Workorder: H10070447 : Crosby Well #1 | Project Number: Crosby Well #1 / 114-6400-415

Lab ID: **H10070447002** | Date/Time Received: 7/17/2010 10:15 | Matrix: Soil

Sample ID: **SB-1 (5')** | Date/Time Collected: 7/15/2010 13:38

WET CHEMISTRY

Analysis Desc: EPA 300.0
Wet Weight Basis

Preparation Batches:
Batch: 1616 Soil Leachage (IC) on 07/19/2010 00:00 by WETC
Analytical Batches:
Batch: 1381 EPA 300.0 on 07/20/2010 21:29 by CFS

Parameters	Results mg/kg	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Chloride	7.25		5.00	0.328	1		1616	1381

VOLATILES

Analysis Desc: SW-846 8260B
Wet Weight Basis

Preparation Batches:
Batch: 2236 SW-846 5030 MeOH Prep on 07/17/2010 16:23 by LKL
Analytical Batches:
Batch: 2237 SW-846 8260B on 07/23/2010 13:23 by LKL

Parameters	Results ug/kg	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Benzene	ND		500	50	500		2236	2237
Ethylbenzene	11000		500	76	500		2236	2237
Toluene	16000		500	140	500		2236	2237
m,p-Xylene	83000		500	92	500		2236	2237
o-Xylene	26000		500	65	500		2236	2237
Xylenes, Total	109000		500	65	500		2236	2237
4-Bromofluorobenzene (S)	105 %		62-130		500		2236	2237
1,2-Dichloroethane-d4 (S)	103 %		64-130		500		2236	2237
Toluene-d8 (S)	102 %		70-140		500		2236	2237

Gasoline Range Organics (GRO)

Analysis Desc: SW-846 8015B GRO
Wet Weight Basis

Preparation Batches:
Batch: 1454 SW-846 5030 on 07/17/2010 16:24 by GCV
Analytical Batches:
Batch: 1455 SW-846 8015B GRO on 07/20/2010 18:22 by WLV

Parameters	Results mg/kg	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Gasoline Range Organics	2300		50	15	500		1454	1455
4-Bromofluorobenzene (S)	423 %	MI*	50-159		500		1454	1455
1,4-Difluorobenzene (S)	109 %		63-142		500		1454	1455

SEMIVOLATILE HYDROCARBONS

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ANALYTICAL RESULTS

Workorder: H10070447 : Crosby Well #1 | Project Number: Crosby Well #1 / 114-6400-415

Lab ID: **H10070447002** | Date/Time Received: 7/17/2010 10:15 | Matrix: Soil

Sample ID: **SB-1 (5')** | Date/Time Collected: 7/15/2010 13:38

Analysis Desc: SW-846 8015B DRO

Wet Weight Basis

Preparation Batches:

Batch: 1998 SW-846 3550B on 07/22/2010 09:08 by A_G

Analytical Batches:

Batch: 1760 SW-846 8015B DRO on 07/29/2010 22:20 by NDW

Parameters	Results mg/kg	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Diesel Range Organics(C10-C28)	700		120	26	25		1998	1760
n-Pentacosane (S)	0 %	D*	20-154		25		1998	1760

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ANALYTICAL RESULTS

Workorder: H10070447 : Crosby Well #1 | Project Number: Crosby Well #1 / 114-6400-415

Lab ID: **H10070447003** | Date/Time Received: 7/17/2010 10:15 | Matrix: Soil

Sample ID: **SB-1 (10')** | Date/Time Collected: 7/15/2010 13:43

WET CHEMISTRY

Analysis Desc: EPA 300.0
Wet Weight Basis

Preparation Batches:
Batch: 1616 Soil Leachage (IC) on 07/19/2010 00:00 by WETC
Analytical Batches:
Batch: 1381 EPA 300.0 on 07/20/2010 21:46 by CFS

Parameters	Results mg/kg	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Chloride	5.18		5.00	0.328	1		1616	1381

VOLATILES

Analysis Desc: SW-846 8260B
Wet Weight Basis

Preparation Batches:
Batch: 2232 SW-846 5035 on 07/17/2010 16:24 by TLE
Analytical Batches:
Batch: 2233 SW-846 8260B on 07/22/2010 14:31 by TLE

Parameters	Results ug/kg	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Benzene	ND		5.0	0.78	1		2232	2233
Ethylbenzene	ND		5.0	0.84	1		2232	2233
Toluene	ND		5.0	0.76	1		2232	2233
m,p-Xylene	ND		5.0	1.6	1		2232	2233
o-Xylene	ND		5.0	0.76	1		2232	2233
Xylenes, Total	ND		5.0	0.76	1		2232	2233
4-Bromofluorobenzene (S)	92.9 %		62-130		1		2232	2233
1,2-Dichloroethane-d4 (S)	112 %		64-130		1		2232	2233
Toluene-d8 (S)	92.7 %		70-140		1		2232	2233

Gasoline Range Organics (GRO)

Analysis Desc: SW-846 8015B GRO
Wet Weight Basis

Preparation Batches:
Batch: 1454 SW-846 5030 on 07/17/2010 16:25 by GCV
Analytical Batches:
Batch: 1455 SW-846 8015B GRO on 07/20/2010 18:50 by WLV

Parameters	Results mg/kg	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Gasoline Range Organics	0.20		0.10	0.030	1		1454	1455
4-Bromofluorobenzene (S)	116 %		50-159		1		1454	1455
1,4-Difluorobenzene (S)	97.1 %		63-142		1		1454	1455

SEMIVOLATILE HYDROCARBONS

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ANALYTICAL RESULTS

Workorder: H10070447 : Crosby Well #1 | Project Number: Crosby Well #1 / 114-6400-415

Lab ID: **H10070447003** | Date/Time Received: 7/17/2010 10:15 | Matrix: Soil

Sample ID: **SB-1 (10')** | Date/Time Collected: 7/15/2010 13:43

Analysis Desc: SW-846 8015B DRO

Wet Weight Basis

Preparation Batches:

Batch: 1998 SW-846 3550B on 07/22/2010 09:08 by A_G

Analytical Batches:

Batch: 1760 SW-846 8015B DRO on 07/29/2010 22:40 by NDW

Parameters	Results mg/kg	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Diesel Range Organics(C10-C28)	ND		5.0	1.1	1		1998	1760
n-Pentacosane (S)	107 %		20-154		1		1998	1760

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ANALYTICAL RESULTS

Workorder: H10070447 : Crosby Well #1 | Project Number: Crosby Well #1 / 114-6400-415

Lab ID: **H10070447004** | Date/Time Received: 7/17/2010 10:15 | Matrix: Soil

Sample ID: **SB-1 (15')** | Date/Time Collected: 7/15/2010 13:50

WET CHEMISTRY

Analysis Desc: EPA 300.0
Wet Weight Basis

Preparation Batches:
Batch: 1616 Soil Leachage (IC) on 07/19/2010 00:00 by WETC
Analytical Batches:
Batch: 1381 EPA 300.0 on 07/20/2010 22:02 by CFS

Parameters	Results mg/kg	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Chloride	ND		5.00	0.328	1		1616	1381

Gasoline Range Organics (GRO)

Analysis Desc: SW-846 8015B GRO
Wet Weight Basis

Preparation Batches:
Batch: 1454 SW-846 5030 on 07/17/2010 16:26 by GCV
Analytical Batches:
Batch: 1455 SW-846 8015B GRO on 07/20/2010 16:27 by WLV

Parameters	Results mg/kg	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Analysis
Gasoline Range Organics	ND		0.10	0.030	1		1454	1455
4-Bromofluorobenzene (S)	99.5 %		50-159		1		1454	1455
1,4-Difluorobenzene (S)	95.1 %		63-142		1		1454	1455

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ANALYTICAL RESULTS

Workorder: H10070447 : Crosby Well #1 | Project Number: Crosby Well #1 / 114-6400-415

Lab ID: **H10070447005** | Date/Time Received: 7/17/2010 10:15 | Matrix: Soil

Sample ID: **SB-1 (20')** | Date/Time Collected: 7/15/2010 14:00

WET CHEMISTRY

Analysis Desc: EPA 300.0
Wet Weight Basis

Preparation Batches:
Batch: 1616 Soil Leachage (IC) on 07/19/2010 00:00 by WETC

Analytical Batches:
Batch: 1381 EPA 300.0 on 07/20/2010 22:18 by CFS

Parameters	Results mg/kg	Qual	Report Limit	MDL	DF	RegLmt	Batch Information Prep	Batch Information Analysis
Chloride	ND		5.00	0.328	1		1616	1381

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QUALITY CONTROL DATA

Workorder: H10070447 : Crosby Well #1 Project Number: Crosby Well #1 / 114-6400-415

QC Batch: WETP/1616 Analysis Method: EPA 300.0

QC Batch Method: Soil Leachage (IC) Preparation: 07/19/2010 00:00 by WETC

Associated Lab Samples: H10070447001 H10070447002 H10070447003 H10070447004 H10070447005

METHOD BLANK: 57646

Analysis Date/Time Analyst: 07/20/2010 17:26 CFS

Parameter	Units	Blank Result	Qualifiers	Reporting Limit
Chloride	mg/kg	ND		5.00

LABORATORY CONTROL SAMPLE: 57647

Analysis Date/Time Analyst: 07/20/2010 17:42 CFS

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits
Chloride	mg/kg	100	103.0	103	80-120

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 57648 57649 Original: H10070447005

MS Analysis Date/Time Analyst: 07/20/2010 22:34 CFS

MSD Analysis Date/Time Analyst: 07/20/2010 22:50 CFS

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Chloride	mg/kg	3.98	100	88.97	91.12	85.0	87.1	75-125	2.4	20

QC results presented in the QC Control Data have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.

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QUALITY CONTROL DATA

Workorder: H10070447 : Crosby Well #1 Project Number: Crosby Well #1 / 114-6400-415

QC Batch: EXTO/1998 Analysis Method: SW-846 8015B DRO

QC Batch Method: SW-846 3550B Preparation: 07/22/2010 09:07 by A_G

Associated Lab Samples: H10070447001 H10070447002 H10070447003

METHOD BLANK: 57922

Analysis Date/Time Analyst: 07/29/2010 20:39 NDW

Parameter	Units	Blank Result	Qualifiers	Reporting Limit
Diesel Range Organics(C10-C28)	mg/kg	ND		5.0
n-Pentacosane (S)	%	95.9		20-154

LABORATORY CONTROL SAMPLE: 57923

Analysis Date/Time Analyst: 07/29/2010 20:59 NDW

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits
Diesel Range Organics(C10-C28)	mg/kg	33	30.5	91.6	50-150
n-Pentacosane (S)	%			96.8	20-154

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 57924 57925 Original: H10070447001

MS Analysis Date/Time Analyst: 07/29/2010 21:39 NDW

MSD Analysis Date/Time Analyst: 07/29/2010 21:59 NDW

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Diesel Range Organics(C10-C28)	mg/kg	550	33	652	886	NC	NC	21-175	NC	50
n-Pentacosane (S)	%	ND				0.0 *	0.0 *	20-154		30

QC results presented in the QC Control Data have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.

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QUALITY CONTROL DATA

Workorder: H10070447 : Crosby Well #1 Project Number: Crosby Well #1 / 114-6400-415

QC Batch: MSV/2232 Analysis Method: SW-846 8260B

QC Batch Method: SW-846 5030 Preparation: 07/22/2010 00:00 by TLE

Associated Lab Samples: H10070447003 H10070541001 H10070544001 H10070544002 H10070544003 H10070544005

METHOD BLANK: 58286

Analysis Date/Time Analyst: 07/22/2010 12:53 TLE

Parameter	Units	Blank Result	Qualifiers	Reporting Limit
Benzene	ug/kg	ND		5.0
Ethylbenzene	ug/kg	ND		5.0
Toluene	ug/kg	ND		5.0
m,p-Xylene	ug/kg	ND		5.0
o-Xylene	ug/kg	ND		5.0
Xylenes, Total	ug/kg	ND		5.0
4-Bromofluorobenzene (S)	%	85.5		62-130
1,2-Dichloroethane-d4 (S)	%	108		64-130
Toluene-d8 (S)	%	91.4		70-140

LABORATORY CONTROL SAMPLE: 58287

Analysis Date/Time Analyst: 07/22/2010 11:49 TLE

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits
Benzene	ug/kg	20	18.5	92.4	66-142
Ethylbenzene	ug/kg	20	19.3	96.6	35-175
Toluene	ug/kg	20	18.3	91.6	59-139
m,p-Xylene	ug/kg	40	40.7	102	35-175
o-Xylene	ug/kg	20	21.2	106	35-175
Xylenes, Total	ug/kg	60	61.86	103	35-175
4-Bromofluorobenzene (S)	%			98.1	62-130
1,2-Dichloroethane-d4 (S)	%			106	64-130
Toluene-d8 (S)	%			92.2	70-140

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 58342 58343 Original: H10070447003

MS Analysis Date/Time Analyst: 07/22/2010 14:52 TLE

MSD Analysis Date/Time Analyst: 07/22/2010 15:14 TLE

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Benzene	ug/kg	ND	20	17.7	17.9	88.7	89.3	66-142	0.7	21
Ethylbenzene	ug/kg	ND	20	18.1	18.5	90.5	92.7	35-175	2.3	30
Toluene	ug/kg	ND	20	17.4	17.3	87.0	86.3	59-139	0.8	21
m,p-Xylene	ug/kg	ND	40	38.7	38.7	96.7	96.8	35-175	0.2	30

QC results presented in the QC Control Data have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.

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QUALITY CONTROL DATA

Workorder: H10070447 : Crosby Well #1 Project Number: Crosby Well #1 / 114-6400-415

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 58342 58343 Original: H10070447003

MS Analysis Date/Time Analyst: 07/22/2010 14:52 TLE

MSD Analysis Date/Time Analyst: 07/22/2010 15:14 TLE

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
o-Xylene	ug/kg	ND	20	19.6	19.3	97.8	96.7	35-175	1.1	30
Xylenes, Total	ug/kg	ND	60	58.22	58.07	97.0	96.8	35-175	0.2	30
4-Bromofluorobenzene (S)	%	92.9				98.3	98.6	62-130		
1,2-Dichloroethane-d4 (S)	%	112				104	103	64-130		
Toluene-d8 (S)	%	92.7				93.0	92.4	70-140		

QC results presented in the QC Control Data have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.

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QUALITY CONTROL DATA

Workorder: H10070447 : Crosby Well #1 Project Number: Crosby Well #1 / 114-6400-415

QC Batch: GCVS/1454 Analysis Method: SW-846 8015B GRO

QC Batch Method: SW-846 5030 Preparation: 07/21/2010 10:47 by GCV

Associated Lab Samples: H10070447001 H10070447002 H10070447003 H10070447004

METHOD BLANK: 58298

Analysis Date/Time Analyst: 07/20/2010 15:30 WLV

Parameter	Units	Blank Result	Qualifiers	Reporting Limit
Gasoline Range Organics	mg/kg	ND		0.10
4-Bromofluorobenzene (S)	%	95.8		50-159
1,4-Difluorobenzene (S)	%	96.7		63-142

LABORATORY CONTROL SAMPLE: 58299

Analysis Date/Time Analyst: 07/20/2010 15:01 WLV

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits
Gasoline Range Organics	mg/kg	1.0	0.944	94.4	53-137
4-Bromofluorobenzene (S)	%			101	50-159
1,4-Difluorobenzene (S)	%			102	63-142

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 58300 58301 Original: H10070447004

MS Analysis Date/Time Analyst: 07/20/2010 16:56 WLV

MSD Analysis Date/Time Analyst: 07/20/2010 17:24 WLV

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Gasoline Range Organics	mg/kg	ND	1.0	0.761	0.839	76.1	83.9	36-163	9.7	50
4-Bromofluorobenzene (S)	%	99.5				107	105	50-159		
1,4-Difluorobenzene (S)	%	95.1				113	106	63-142		

QC results presented in the QC Control Data have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.

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QUALITY CONTROL DATA

Workorder: H10070447 : Crosby Well #1 Project Number: Crosby Well #1 / 114-6400-415

QC Batch: MSV/2236 Analysis Method: SW-846 8260B

QC Batch Method: SW-846 5030 MeOH Prep Preparation: 07/23/2010 00:00 by LKL

Associated Lab Samples: H10070447001 H10070447002 H10070604001

METHOD BLANK: 58376

Analysis Date/Time Analyst: 07/23/2010 12:28 LKL

Parameter	Units	Blank Result	Qualifiers	Reporting Limit
Benzene	ug/kg	ND		50
Ethylbenzene	ug/kg	ND		50
Toluene	ug/kg	ND		50
m,p-Xylene	ug/kg	ND		50
o-Xylene	ug/kg	ND		50
Xylenes, Total	ug/kg	ND		50
4-Bromofluorobenzene (S)	%	103		62-130
1,2-Dichloroethane-d4 (S)	%	97.3		64-130
Toluene-d8 (S)	%	99.1		70-140

LABORATORY CONTROL SAMPLE: 58377

Analysis Date/Time Analyst: 07/23/2010 12:02 LKL

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits
Benzene	ug/kg	20	17.5	87.6	66-142
Ethylbenzene	ug/kg	20	16.3	81.4	35-175
Toluene	ug/kg	20	17.4	87.1	59-139
m,p-Xylene	ug/kg	40	32.8	82.0	35-175
o-Xylene	ug/kg	20	16.9	84.6	35-175
Xylenes, Total	ug/kg	60	49.75	82.9	35-175
4-Bromofluorobenzene (S)	%			101	62-130
1,2-Dichloroethane-d4 (S)	%			94.4	64-130
Toluene-d8 (S)	%			98.4	70-140

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 58378 58379 Original: H10070447002

MS Analysis Date/Time Analyst: 07/23/2010 13:52 LKL

MSD Analysis Date/Time Analyst: 07/23/2010 14:18 LKL

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Benzene	ug/kg	130	10000	9560	9560	94.2	94.3	66-142	0.0	21
Ethylbenzene	ug/kg	11000	10000	19600	20000	89.9	93.4	35-175	1.8	30
Toluene	ug/kg	16000	10000	25100	25900	88.1	95.9	59-139	3.0	21
m,p-Xylene	ug/kg	83000	20000	96700	100000	NC	NC	35-175	NC	30

QC results presented in the QC Control Data have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.

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QUALITY CONTROL DATA

Workorder: H10070447 : Crosby Well #1 Project Number: Crosby Well #1 / 114-6400-415

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 58378 58379 Original: H10070447002

MS Analysis Date/Time Analyst: 07/23/2010 13:52 LKL

MSD Analysis Date/Time Analyst: 07/23/2010 14:18 LKL

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
o-Xylene	ug/kg	26000	10000	33900	35000	81.5	92.3	35-175	3.1	30
Xylenes, Total	ug/kg	109000	30000	130500	135300	73.0	88.9	35-175	3.6	30
4-Bromofluorobenzene (S)	%	105				101	102	62-130		
1,2-Dichloroethane-d4 (S)	%	103				95.7	97.6	64-130		
Toluene-d8 (S)	%	102				98.2	101	70-140		

QC results presented in the QC Control Data have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.

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Legend

(S) - Indicates analyte is a surrogate

Qualifier	Qualifier Description
*	Recovery/RPD value outside QC limits
+	DCS Concentration
B	Analyte detected in the Method Blank
C	MTBE results were not confirmed by GCMS
D	Recovery out of range due to dilution
E	Results exceed calibration range
H	Exceeds holding time
I	Estimated value, between MDL and PQL (Florida)
J	Estimated value
JN	The analysis indicates the presence of an analyte
MI	Matrix Interference
N	Recovery outside of control limits
NC	Not Calculable (Sample Duplicate)
NC	Not Calculated - Sample concentration > 4 times the spike
ND	Not Detected at reporting Limits
P	Pesticide dual column results, greater then 25%
Q	Received past holding time
TNTC	Too numerous to count
U	Not Detected at reporting Limits

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: H10070447 : Crosby Well #1 | Project Number: Crosby Well #1 / 114-6400-415

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
H10070447001	**SB-1 (3')**	Soil Leachage (IC)	WETP/1616	EPA 300.0	IC/1381
H10070447002	**SB-1 (5')**	Soil Leachage (IC)	WETP/1616	EPA 300.0	IC/1381
H10070447003	**SB-1 (10')**	Soil Leachage (IC)	WETP/1616	EPA 300.0	IC/1381
H10070447004	**SB-1 (15')**	Soil Leachage (IC)	WETP/1616	EPA 300.0	IC/1381
H10070447005	**SB-1 (20')**	Soil Leachage (IC)	WETP/1616	EPA 300.0	IC/1381
H10070447001	**SB-1 (3')**	SW-846 3550B	EXTO/1998	SW-846 8015B DRO	GCSV/1760
H10070447002	**SB-1 (5')**	SW-846 3550B	EXTO/1998	SW-846 8015B DRO	GCSV/1760
H10070447003	**SB-1 (10')**	SW-846 3550B	EXTO/1998	SW-846 8015B DRO	GCSV/1760
H10070447003	**SB-1 (10')**	SW-846 5035	MSV/2232	SW-846 8260B	MSV/2233
H10070447001	**SB-1 (3')**	SW-846 5030	GCVS/1454	SW-846 8015B GRO	GCVS/1455
H10070447002	**SB-1 (5')**	SW-846 5030	GCVS/1454	SW-846 8015B GRO	GCVS/1455
H10070447003	**SB-1 (10')**	SW-846 5030	GCVS/1454	SW-846 8015B GRO	GCVS/1455
H10070447004	**SB-1 (15')**	SW-846 5030	GCVS/1454	SW-846 8015B GRO	GCVS/1455
H10070447001	**SB-1 (3')**	SW-846 5030 MeOH Prep	MSV/2236	SW-846 8260B	MSV/2237
H10070447002	**SB-1 (5')**	SW-846 5030 MeOH Prep	MSV/2236	SW-846 8260B	MSV/2237

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Sample Receipt Checklist

WorkOrder:	H10070447	Received By	LOG
Date and Time	07/17/2010 10:15	Carrier Name:	FEDEXP
Temperature:	5.0°C	Chilled By:	Water Ice

1.	Shipping container/cooler in good condition?	YES
2.	Custody seals intact on shipping container/cooler?	Not Present
3.	Custody seals intact on sample bottles?	Not Present
4.	Chain of custody present?	YES
5.	Chain of custody signed when relinquished and received?	YES
6.	Chain of custody agrees with sample labels? 1) Received trip blanks but not listed on chain logged in on hold.	NO
7.	Samples in proper container/bottle?	YES
8.	Samples containers intact?	YES
9.	Sufficient sample volume for indicated test?	YES
10.	All samples received within holding time?	YES
11.	Container/Temp Blank temperature in compliance?	YES
12.	Water - VOA vials have zero headspace?	VOA Vials Not Present
13.	Water - Preservation checked upon receipt(except VOA*)?	Not Applicable

*VOA Preservation Checked After Sample Analysis

SPL Representative: Contact Date & Time:

Client Name Contacted:

Client Instructions:

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SPL, Inc.

Analysis Request & Chain of Custody Record

H10070447

1 of 1

Client Name:	Tetra Tech, Inc
Address:	1910 N. Big Spring St.
City:	Midland State: Tx Zip: 79705
Phone/Fax:	432-682-4559 432-682-3946
Client Contact:	Charles Durrett Email: Charles.Durrett@tetratech.com
Project Name/No.:	Conoco Phillips / 114-6482-115
Site Name:	Cosby Will #1
Site Location:	Lea Co, NM
Invoice To:	Ph:

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water S=soil O=oil A=air SL=sludge E=encore X=other)	bottle (P=plastic A=amber glass G=glass V=vial X=other)	size (1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other)	pres. (1=HCl 2=HNO3 3=H2SO4 X=other)	Number of Containers	Requested Analysis: TPH (DRO/GRO)*	BTEX**	Chlorides
SB-1 (3')	07/15/10	1330		✓	S	G	4/8	X	2	✓	✓	✓
SB-1 (5')	07/15/10	1338		✓	S	G	4/8	X	2	✓	✓	✓
SB-1 (10')	07/15/10	1343		✓	S	G	4/8	X	2	✓	✓	✓
SB-1 (15')	07/15/10	1350		✓	S	G	4/8	X	2	✓	✓	✓
SB-1 (20')	07/15/10	1400		✓	S	G	4/8	X	2			✓

Client/Consultant Remarks: * If any TPH (DRO/GRO) is ≥100ppm run next sample depth for TPH ** - If benzene is ≥1.0ppm or total BTEX ≥ 50ppm run next sample depth for BTEX

Laboratory remarks:

Intact? ☑ Y ☐ N
Ice? ☑ Y ☐ N
Temp: 5.0

Requested TAT

- ☐ 1 Business Day ☐ Contract
- ☐ 2 Business Days ☑ Standard
- ☐ 3 Business Days
- ☐ Other _____

Rush TAT requires prior notice

Special Reporting Requirements- Results: Fax ☐ Email ☐ PDF ☐
Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify):

PM review (initial):

1. Relinquished by Sampler:	date	time	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date 7/11/10	time 10:15	6. Received by Laboratory:

☐ 8880 Interchange Drive
Houston, TX 77054 (713) 660-0901

☐ 500 Ambassador Caffery Parkway
Scott, LA 70583 (337) 237-4775

☐ 459 Hughes Drive
Traverse City MI 49686 (231) 947-5777

District I
1625 N French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company ConocoPhillips Company	Contact Jesse A. Sosa
Address 3300 N. "A" St., Bldg. 6 #247 Midland, TX 79705-5	Telephone No. (505)391-3126
Facility Name Northwest Crosby Well #1	Facility Type Well

Surface Owner NMOCD	Mineral Owner BLM	Lease No. 3002527085

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
N	7	25S	37E	660	South	1980	West	Lea

Latitude_____________ Longitude_____________ WTR 75-100'

NATURE OF RELEASE

Type of Release Condensate	Volume of Release 40 BBL	Volume Recovered 0 BBL
Source of Release 3 inch Ball valve	Date and Hour of Occurrence 12/30/09 at 800 Hr	Date and Hour of Discovery 12/30/09
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Rick NMOCD ??	RECD 7.15.10 VIA EMAIL
By Whom? Sean Robinson	Date and Hour 12/31/09 8:17 am	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Valve froze and cracked causing tank contents (condensate) to start leaking

Describe Area Affected and Cleanup Action Taken.*
Affected and area approximately 10' x 15'. Drained tank and removed valve. Plan will be developed and submitted to regulatory agencies for approval

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: [signature]	OIL CONSERVATION DIVISION [signature]
Printed Name: Jesse A. Sosa	Approved by District Supervisor: ENVIRONMENTAL ENGINEER
Title: HSER Lead	Approval Date: 7.15.10 Expiration Date: 9.15.10
E-mail Address: Jesse.A.Sosa@conocophillips.com	Conditions of Approval: Attached ☐
Date: 01/04/2010 Phone: (505)391-3126	SUBMIT FINAL C 141 w/DOCS BY IRP# 10-7-2584

* Attach Additional Sheets If Necessary

incJLWJ.1019627187