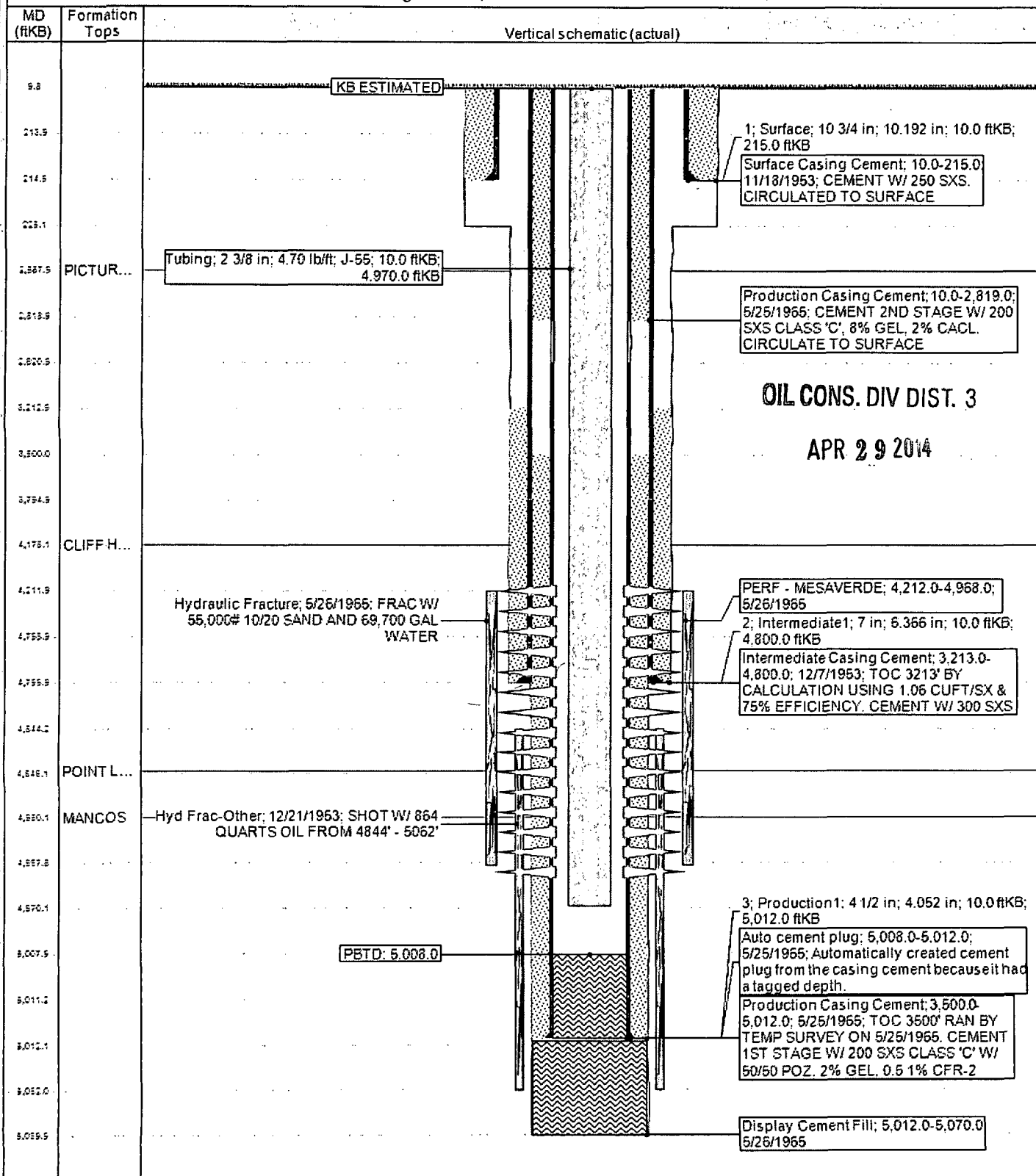


API Well	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type
3004510472	NMPM.019-031N-010W	CLANCO MESAVERDE OPERATED...		NEW MEXICO	
Ground Elevation (ft)	Original SIRT Elevation (ft)	KS- Ground Distance (ft)	KS- Casing Flange Distance (ft)	KS- Tying Hanger Distance (ft)	
5,916.00	5,926.00	10.00			

Original Hole, 4/29/2014 10:27:39 AM





30-045-10472

OIL CONS. DIV DIST. 3

APR 28 2014

Analytical Report

Report Summary

Client: ConocoPhillips

Chain Of Custody Number: 16670

Samples Received: 4/15/2014 1:05:00PM

Job Number: 96052-1706

Work Order: P404049

Project Name/Location: Crandell SRC #2

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Tim Cain', is written over a horizontal line.

Date: 4/24/14

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.



ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: Crandell SRC #2
Project Number: 96052-1706
Project Manager: Crystal Tafoya

Reported:
24-Apr-14 10:03

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Wellhead Soil	P404049-01A	Soil	04/15/14	04/15/14	Glass Jar, 4 oz.
Wellhead Water	P404049-02A	Aqueous	04/15/14	04/15/14	Poly 500mL

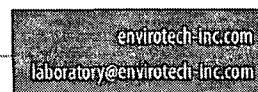
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879





ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: Crandell SRC #2
Project Number: 96052-1706
Project Manager: Crystal Tafoya

Reported:
24-Apr-14 10:03

Wellhead Soil
P404049-01 (Solid)

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1416039	04/17/14	04/21/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1416039	04/17/14	04/21/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1416039	04/17/14	04/21/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1416039	04/17/14	04/21/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1416039	04/17/14	04/21/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1416039	04/17/14	04/21/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1416039	04/17/14	04/21/14	EPA 8021B	
Surrogate: Bromochlorobenzene		87.1 %		80-120	1416039	04/17/14	04/21/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		84.9 %		80-120	1416039	04/17/14	04/21/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1416039	04/17/14	04/21/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1416038	04/17/14	04/23/14	EPA 8015D	

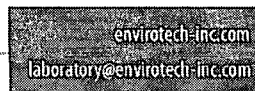
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879





ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: Crandell SRC #2
Project Number: 96052-1706
Project Manager: Crystal Tafoya

Reported:
24-Apr-14 10:03

Wellhead Water
P404049-02 (Water)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Cation/Anion Analysis										
Chloride	549	10.0	mg/L	10	1416030	04/16/14	04/17/14	EPA 300.0		

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879





ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: Crandell SRC #2
Project Number: 96052-1706
Project Manager: Crystal Tafoya

Reported:
24-Apr-14 10:03

Volatile Organics by EPA 8021 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1416039 - Purge and Trap EPA 5030A

Blank (1416039-BLK1)

Prepared: 17-Apr-14 Analyzed: 21-Apr-14

Benzene	ND	0.05	mg/kg							
Toluene	ND	0.05	"							
Ethylbenzene	ND	0.05	"							
p,m-Xylene	ND	0.05	"							
o-Xylene	ND	0.05	"							
Total Xylenes	ND	0.05	"							
Total BTEX	ND	0.05	"							
Surrogate: 1,3-Dichlorobenzene	45.3		ug/L	50.0		90.6	80-120			
Surrogate: Bromochlorobenzene	46.8		"	50.0		93.6	80-120			

Duplicate (1416039-DUP1)

Source: P404048-01

Prepared: 17-Apr-14 Analyzed: 22-Apr-14

Benzene	ND	0.25	mg/kg		ND				30	
Toluene	1.42	0.25	"		1.69			17.9	30	
Ethylbenzene	14.2	0.25	"		13.6			4.45	30	
p,m-Xylene	32.7	0.25	"		28.9			12.4	30	
o-Xylene	13.3	0.25	"		12.9			2.83	30	
Surrogate: 1,3-Dichlorobenzene	87.2		ug/L	50.0		174	80-120			S-02
Surrogate: Bromochlorobenzene	104		"	50.0		209	80-120			S-02

Matrix Spike (1416039-MS1)

Source: P404048-01

Prepared: 17-Apr-14 Analyzed: 21-Apr-14

Benzene	35.3		ug/L	50.0	ND	70.6	39-150			
Toluene	55.4		"	50.0	6.78	97.2	46-148			
Ethylbenzene	104		"	50.0	54.3	99.3	32-160			
p,m-Xylene	213		"	100	116	97.4	46-148			
o-Xylene	110		"	50.0	51.6	117	46-148			
Surrogate: 1,3-Dichlorobenzene	82.6		"	50.0		165	80-120			S-02
Surrogate: Bromochlorobenzene	57.8		"	50.0		116	80-120			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879





ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: Crandell SRC #2
Project Number: 96052-1706
Project Manager: Crystal Tafoya

Reported:
24-Apr-14 10:03

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	----------------	--------------	-------

Batch 1416038 - DRO Extraction EPA 3550C

Blank (1416038-BLK1)

Prepared: 17-Apr-14 Analyzed: 23-Apr-14

Diesel Range Organics (C10-C28) 36.9 30.0 mg/kg

Duplicate (1416038-DUP1)

Source: P404048-01

Prepared: 17-Apr-14 Analyzed: 23-Apr-14

Diesel Range Organics (C10-C28) 27400 30.0 mg/kg 27200 0.624 30

Matrix Spike (1416038-MS1)

Source: P404048-01

Prepared: 17-Apr-14 Analyzed: 23-Apr-14

Diesel Range Organics (C10-C28) 26500 mg/L 250 25900 253 75-125 SPK1

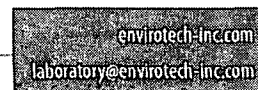
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: Crandell SRC #2
Project Number: 96052-1706
Project Manager: Crystal Tafoya

Reported:
24-Apr-14 10:03

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 1416039 - Purge and Trap EPA 5030A

Blank (1416039-BLK1)

Prepared: 17-Apr-14 Analyzed: 21-Apr-14

Gasoline Range Organics (C6-C10) ND 5.00 mg/kg

Duplicate (1416039-DUP1)

Source: P404048-01

Prepared: 17-Apr-14 Analyzed: 22-Apr-14

Gasoline Range Organics (C6-C10) 779 25.0 mg/kg 415 60.9 30 D1

Matrix Spike (1416039-MS1)

Source: P404048-01

Prepared: 17-Apr-14 Analyzed: 21-Apr-14

Gasoline Range Organics (C6-C10) 1.72 mg/L 0.450 1.66 14.1 75-125 SPK1

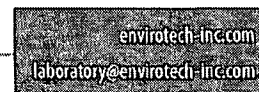
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: Crandell SRC #2
Project Number: 96052-1706
Project Manager: Crystal Tafoya

Reported:
24-Apr-14 10:03

Cation/Anion Analysis - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1416030 - Anion Extraction EPA 300.0										
Blank (1416030-BLK1)				Prepared: 16-Apr-14 Analyzed: 17-Apr-14						
Chloride	ND	1.00	mg/L							
LCS (1416030-BS1)				Prepared: 16-Apr-14 Analyzed: 17-Apr-14						
Chloride	49.8	1.00	mg/L	50.0		99.5	90-110			
Matrix Spike (1416030-MS1)				Source: P404049-02 Prepared: 16-Apr-14 Analyzed: 17-Apr-14						
Chloride	1050	10.0	mg/L	500	549	99.3	80-120			
Matrix Spike Dup (1416030-MSD1)				Source: P404049-02 Prepared: 16-Apr-14 Analyzed: 17-Apr-14						
Chloride	1040	10.0	mg/L	500	549	98.0	80-120	0.604	20	

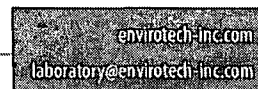
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879



ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: Crandell SRC #2
Project Number: 96052-1706
Project Manager: Crystal Tafoya

Reported:
24-Apr-14 10:03

Notes and Definitions

SPK1 The spike recovery for this QC sample is outside of control limits.

S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

D1 Duplicates or Matrix Spike Duplicates Relative Percent Difference exceeds control limits.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

CHAIN OF CUSTODY RECORD

16670

Client: <i>ConocoPhillips</i>			Project Name / Location: <i>Crandell SAC #2</i>			ANALYSIS / PARAMETERS															
Email results to: <i>Crystal Tabora</i>			Sampler Name: <i>Darrell Elliott - 320-9417</i>			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact	
Client Phone No.: <i>215-4361</i>			Client No.: <i>9U052-1700</i> <i>AM02317604/Garred</i>																		
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative																
					HNO ₃	HCl															
Wellhead Soil	4-15-14	12:05		<i>1 x 4oz</i> <i>1 x 500 ml poly</i>																	
Wellhead Water	4-15-14	12:05		<i>1 x 500 poly</i> <i>1 x 4oz glass</i>																	
Relinquished by: (Signature) <i>D Elliott</i>				Date <i>4/15/14</i>	Time <i>1:05</i>	Received by: (Signature) <i>[Signature]</i>				Date <i>4/15/14</i>	Time <i>13:25</i>										
Relinquished by: (Signature)						Received by: (Signature)															
Sample Matrix Soil ☒ Solid ☐ Sludge ☐ Aqueous ☒ Other ☐																					
☐ Sample(s) dropped off after hours to secure drop off area. <i>send results to Crystal Tabora</i>				 <i>70.9</i>																	