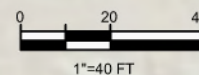
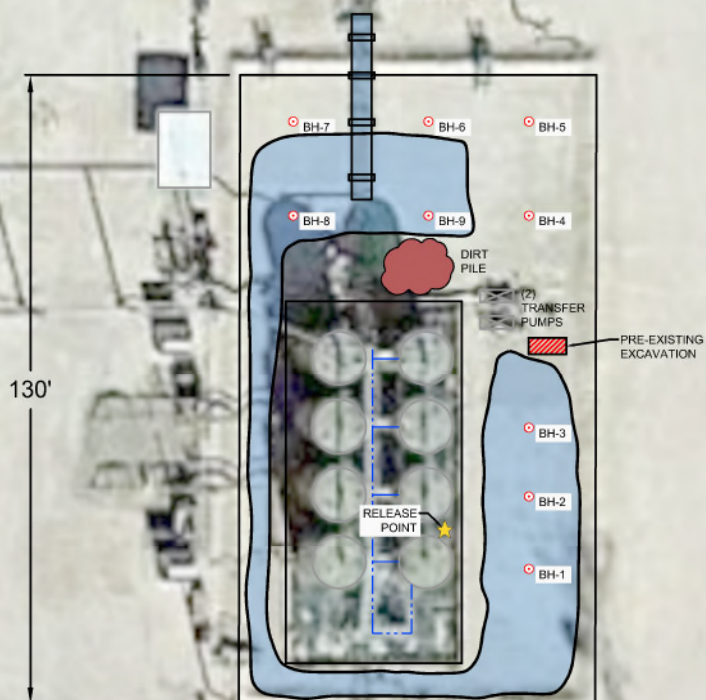


BORE HOLE SAMPLE DESIGNATIONS	LATITUDE	LONGITUDE
BH-1	32.037398	-103.696659
BH-2	32.037462	-103.696637
BH-3	32.037495	-103.696639
BH-4	32.037587	-103.696631
BH-5	32.037635	-103.696638
BH-6	32.037633	-103.696695
BH-7	32.037655	-103.696762
BH-8	32.037608	-103.696798
BH-9	32.037573	-103.696741



REVIEWED

By CHernandez at 4:08 pm, Jan 18, 2019



LEGEND

- BORE HOLE SAMPLE LOCATIONS
- SPILL AREA
- EQUIPMENT
- STEEL PIPE

ConocoPhillips

FIGURE 3

BUCK FEDERAL CENTRAL TANK BATTERY
(32.037398°, -103.696659°)

SPILL ASSESSMENT MAP
LEA COUNTY, NEW MEXICO

Project: 212C-MD-01358

Date: 10/30/2018

File: H:\GIS\212C-MD-01358



Table 1
Conoco Phillips
Soil Assessment Results
Buck Fed CTB

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		PID (PPM)	TPH						BTEX								Chlorides			
			In Situ	Removed		TPH GRO (mg/kg)	Qualifier	TPH DRO (mg/kg)	Qualifier	TPH ORO (mg/kg)	Qualifier	Total TPH (mg/kg)	Benzene (mg/kg)	Qualifier	Toluene (mg/kg)	Qualifier	Ethylbenzene (mg/kg)	Qualifier	Xylenes (mg/kg)	Qualifier	Total BTEX (mg/kg)	Chloride (PPM)	Chloride (mg/kg)
BH-1	10/4/2018***	0-1'	X		-	332		1,640		294		2,266	0.240		7.97		0.924		17.3		26.43	-	5,850
	10/4/2018***	1-2'	X		-	2,150		5,030		1,420		8,600	3.24		36.0		7.66		103		149.9	-	1,060
	9/17/2018	2-3'	X		63.0	0.0696	J	32.6	J5	9.86		42.5	<0.000454		<0.00142		<0.000602		<0.00543		<0.00543	-	307
	9/17/2018	3-4'	X		60.2	0.0567	J	30.1		10.9		41.1	<0.000455		<0.00142		<0.000603		<0.00544		<0.00544	-	264
BH-2	10/4/2018***	0-1'	X		-	2.57		484		137		624	<0.00047		0.00293	J	<0.000623		0.00644	J	0.009	-	717
	10/4/2018***	1-2'	X		-	0.581		170		48.6		219	<0.000466		0.00452	J	<0.000617		0.0112		0.016	-	581
	9/17/2018	2-3'	X		10.9	0.0268	J	2.95	J	0.785		3.8	<0.000454		<0.00145		<0.000615		<0.00554		<0.00554	-	723
	9/17/2018	3-4'	X		20.2	0.051	J	73.1		26.7		99.9	<0.000448		<0.00140		<0.000594		<0.00536		<0.00536	-	567
BH-3	10/4/2018***	0-1'	X		-	0.0346	J	51.2		19.9		71.135	<0.000486		<0.00152		<0.000644		<0.00236		<0.00236	-	456
	10/4/2018***	1-2'	X		-	0.121		1,610		786		2,396	<0.00044		<0.00138		<0.000583		<0.00526		<0.00526	-	3,950
	9/17/2018	2-3'	X		16.3	-		-		-		-	-		-		-		-		-	2,760	-
	9/17/2018	3-4'	X		37.0	0.101	J	95.6		57.3		153	<0.000421		<0.00132		<0.000558		<0.00504		<0.00558	-	3,850
	9/17/2018	4-5'	X		19.0	0.0488	J	2.76	J	1.8	J	4,609	<0.000468		<0.00146		<0.00062		<0.00559		<0.00559	-	754
BH-4	10/4/2018***	0-1'	X		-	116		5,060		1,620		6,796	<0.000477		0.00865		0.0156		0.199		0.22	-	3,780
	10/4/2018***	1-2'	X		-	2.51		1,110		466		1,579	<0.000449		<0.0014		<0.000595		<0.00537		<0.00537	-	2,540
	9/17/2018	2-3'	X		19.0	0.0404	J	<2.00		<0.341		0.0404	<0.000497		<0.00155		<0.000659		<0.00594		<0.00594	-	1,640
BH-5	10/4/2018***	0-1'	X		-	183		6,240		1,770		8,193	0.000833	J	0.00294	J	<0.00062		0.152		0.16	-	2,660
BH-6	10/4/2018***	0-1'	X		-	0.0463	J	1,040		442		1,482	<0.000473		<0.00148		<0.000626		<0.00565		<0.00565	-	248
	10/4/2018***	1-2'	X		-	150		3,080		1,070		4,300	0.00336		0.313		0.0505		2.26		2.63	-	586
BH-7	10/4/2018***	0-1'	X		0.5	0.0507	J	1,080		557		1,637	0.000495	J	<0.00154		<0.000653		<0.00589		<0.00589	-	64.9
BH-8	10/4/2018***	0-1'	X		3.0	0.731		3,550		1,340		4,891	<0.000432		<0.00135		<0.000573		<0.00516		<0.00516	-	1420
BH-9	10/4/2018***	0-1'	X		10.3	147		5,110		1,420		6,677	<0.000463		<0.00145		<0.000613		<0.00553		<0.00553	-	289
	10/4/2018***	1-2'	X		4.1	3.28		1,030		362		1,395	<0.000445		<0.00139		<0.00059		<0.00532		<0.00532	-	1,790
NOTES: ft Feet PPM Parts per million mg/kg Milligrams per kilogram TPH Total Petroleum Hydrocarbons GRO Gasoline Range Organics DRO Diesel Range Organics ORO Oil Range Organics J The identification of the analyte is acceptable; the reported value is an estimate. B The same analyte is found in the associated blank. J6 The sample matrix interfered with the ability to make any accurate determination; spike value is low																							
													*** Samples arrived at laboratory out of temperature range at 14.9 degrees C due to shipping error										

ConocoPhillips Co.
Buck Federal CTB
Lea County, New Mexico



TETRA TECH



View facing Northeast – View from initial site visit on August 9, 2018



View facing Southwest – View from initial site visit on August 9, 2018

ConocoPhillips Co.
Buck Federal CTB
Lea County, New Mexico



TETRA TECH



View facing Northwest – Spill release occurring at the end
of September 17, 2018 soil assessment



View facing North – Spill area containing BH-1, BH-2, and
BH-3

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View facing South – Spill area containing BH-1, BH-2, and BH-3



View Southwest – Spill area containing soil removed from emergency excavation

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Lea County, New Mexico



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View facing North – Spill area



View Southeast – Spill area containing BH-4, BH-5, BH-6,
and BH-9