

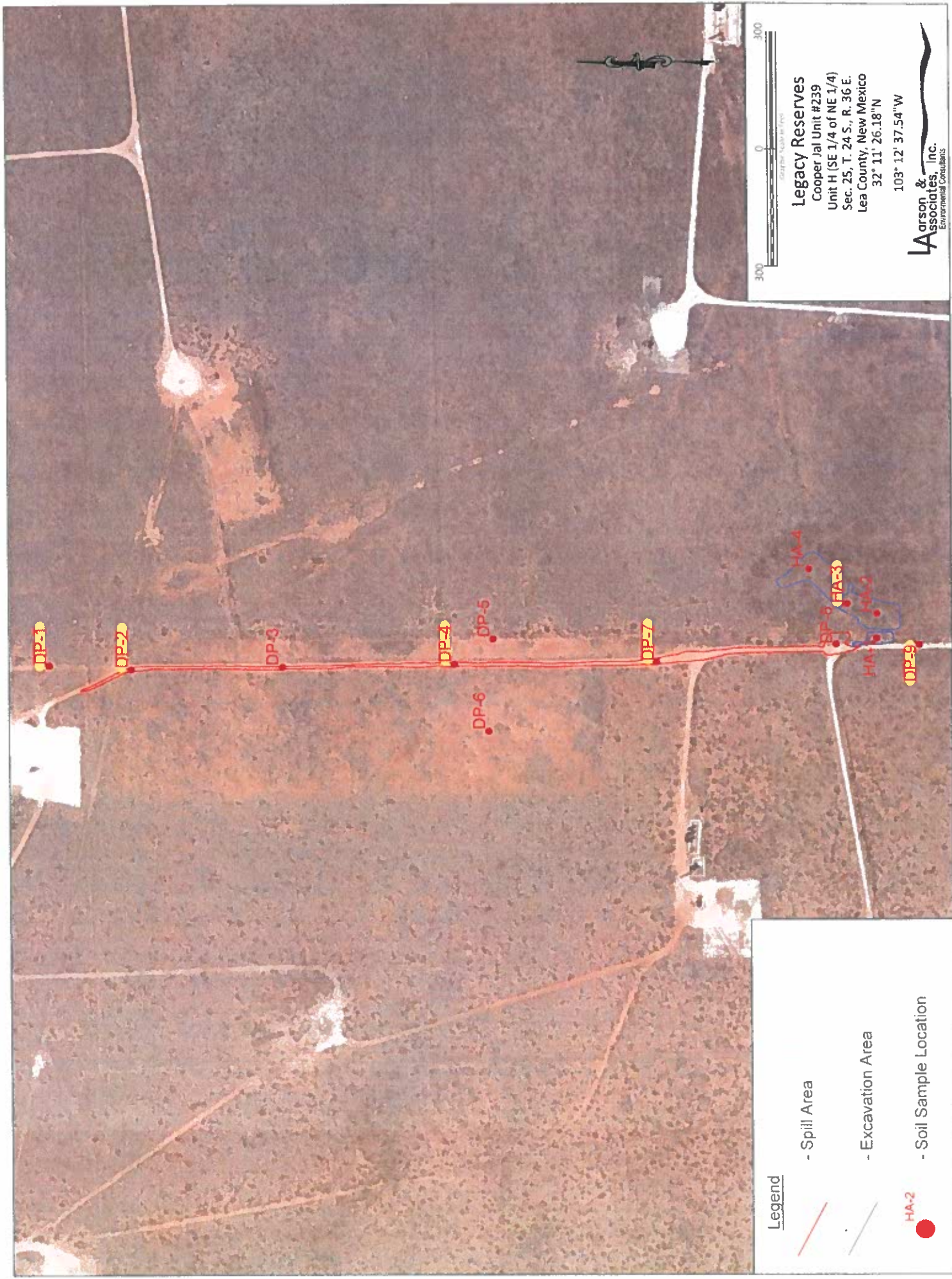


Figure 2a - Aerial Map Showing Excavation Area and Soil Sample Locations

Table 1, Soil Sample Analytical Data Summary

17-0175-38

Legacy Reserves, Cooper Jal Unit 239

Lea County, New Mexico

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	C6 - C35 (mg/Kg)	Chloride (mg/Kg)
RRAL				10	50				5,000	*600
Small East SW	1	5/8/2018	In-situ	<0.00200	0.00681	<15.0	<15.0	<15.0	<15.0	1560
Small North SW	1	5/8/2018	In-situ	<0.00200	<0.00200	<15.0	16.7	<15.0	16.7	45
Small South SW	1	5/8/2018	In-situ	<0.00200	<0.00200	<15.0	16.7	<15.0	16.7	596
Small West SW	1	5/8/2018	In-situ	<0.00200	0.00714	<15.0	16.7	<15.0	16.7	48.4
Large West SW	2	5/8/2018	In-situ	<0.00200	<0.00200	<14.9	<14.9	<14.9	<14.9	16.8
Large South SW	2	5/8/2018	In-situ	<0.00200	0.00787	<15.0	<15.0	<15.0	<15.0	321
Large East SW	2	5/8/2018	In-situ	<0.00200	<0.00200	<15.0	17.8	21.5	39.3	1640
Large North SW	2	5/8/2018	In-situ	<0.00200	<0.00200	<15.0	<15.0	<15.0	<15.0	584
HA-1	2-3	5/8/2018	In-situ	<0.00199	<0.00200	<15.0	<15.0	<15.0	<15.0	<4.97
	3-4	5/8/2018	In-situ	-	-	-	-	-	-	<4.97
	4-5	5/8/2018	In-situ	-	-	-	-	-	-	<4.99
	5-6	5/8/2018	In-situ	-	-	-	-	-	-	<4.95
HA-2	3-4	5/8/2018	In-situ	<0.0020	<0.00200	<15.0	<15.0	<15.0	<15.0	<5.00
	4-5	5/8/2018	In-situ	-	-	-	-	-	-	<4.98
HA-3	3-4	5/8/2018	In-situ	<0.0020	<0.00200	<15.0	<15.0	<15.0	<15.0	779
	3-4	6/18/2018	In-situ	-	-	-	-	-	-	<4.90
	4-5	5/8/2018	In-situ	-	-	-	-	-	-	213
	4-5	6/18/2018	In-situ	-	-	-	-	-	-	<4.97
	5-6	6/18/2018	In-situ	-	-	-	-	-	-	7.96
	6-7	6/18/2018	In-situ	-	-	-	-	-	-	<4.93
	7-8	6/18/2018	In-situ	-	-	-	-	-	-	<5.00
HA-4	3-4	5/8/2018	In-situ	<0.0020	<0.00200	<15.0	<15.0	<15.0	<15.0	<5.00
DP-1	0-1	5/8/2018	In-situ	<0.00202	<0.00202	<15.0	<15.0	<15.0	<15.0	646
	1-2	5/8/2018	In-situ	-	-	-	-	-	-	656
	2-3	5/8/2018	In-situ	-	-	-	-	-	-	720
	5	6/7/2018	In-situ	-	-	-	-	-	-	371
	10	6/7/2018	In-situ	-	-	-	-	-	-	93.5
DP-2	0-1	5/8/2018	In-situ	<0.00202	<0.00202	<15.0	<15.0	<15.0	<15.0	636
	1-2	5/8/2018	In-situ	-	-	-	-	-	-	1290
	2-3	5/8/2018	In-situ	-	-	-	-	-	-	1610
	3-4	5/8/2018	In-situ	-	-	-	-	-	-	1400
	4-5	5/8/2018	In-situ	-	-	-	-	-	-	1040
	10	6/7/2018	In-situ	-	-	-	-	-	-	225
	15	6/7/2018	In-situ	-	-	-	-	-	-	41.4
DP-3	0-1	5/9/2018	In-situ	<0.00200	<0.00200	<15.0	<15.0	<15.0	<15.0	625
	1-2	5/9/2018	In-situ	-	-	-	-	-	-	387
	2-3	5/9/2018	In-situ	-	-	-	-	-	-	280
	3-4	5/9/2018	In-situ	-	-	-	-	-	-	370
	4-6	5/9/2018	In-situ	-	-	-	-	-	-	414
DP-4	0-1	5/9/2018	In-situ	<0.00200	<0.00200	<15.0	<15.0	<15.0	<15.0	880
	1-2	5/9/2018	In-situ	-	-	-	-	-	-	902
	2-3	5/9/2018	In-situ	-	-	-	-	-	-	840

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Lea County, New Mexico

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RRAL				10	50				5,000	*600
	3-4	5/9/2018	In-situ	-	-	-	-	-	-	870
	4-6	5/9/2018	In-situ	-	-	-	-	-	-	813
	6-7	5/9/2018	In-situ	-	-	-	-	-	-	579
	10	6/7/2018	In-situ	-	-	-	-	-	-	112
	15	6/7/2018	In-situ	-	-	-	-	-	-	19.5

DP-5	0-1	5/9/2018	In-situ	<0.00200	<0.00200	<15.0	<15.0	<15.0	<15.0	<4.95
	1-2	5/9/2018	In-situ	-	-	-	-	-	-	<4.95
	2-3	5/9/2018	In-situ	-	-	-	-	-	-	<4.95
	3-4	5/9/2018	In-situ	-	-	-	-	-	-	<4.95
	4-6	5/9/2018	In-situ	-	-	-	-	-	-	<4.95
	6-8	5/9/2018	In-situ	-	-	-	-	-	-	<4.95
DP-6	0-1	5/10/2018	In-situ	<0.00200	<0.00200	<15.0	<15.0	<15.0	<15.0	<4.95
	1-2	5/10/2018	In-situ	-	-	-	-	-	-	<4.95
	2-3	5/10/2018	In-situ	-	-	-	-	-	-	<4.95
	3-4	5/10/2018	In-situ	-	-	-	-	-	-	<4.95
	4-5	5/10/2018	In-situ	-	-	-	-	-	-	<4.95
DP-7	0-1	5/9/2018	In-situ	<0.00200	<0.00200	<15.0	<15.0	<15.0	<15.0	227
	1-2	5/9/2018	In-situ	-	-	-	-	-	-	616
	2-3	5/9/2018	In-situ	-	-	-	-	-	-	732
	3-4	5/9/2018	In-situ	-	-	-	-	-	-	856
	5	6/6/2018	In-situ	-	-	-	-	-	-	687
	10	6/6/2018	In-situ	-	-	-	-	-	-	589
	15	6/6/2018	In-situ	-	-	-	-	-	-	55.3
DP-8	0-1	5/9/2018	In-situ	<0.00200	<0.00200	<15.0	<15.0	<15.0	<15.0	36.6
	1-2	5/9/2018	In-situ	-	-	-	-	-	-	<4.93
	2-3	5/9/2018	In-situ	-	-	-	-	-	-	78.4
	3-4	5/9/2018	In-situ	-	-	-	-	-	-	43.2
	4-6	5/9/2018	In-situ	-	-	-	-	-	-	75.4
	6-8	5/9/2018	In-situ	-	-	-	-	-	-	<4.95
DP-9	0-1	5/10/2018	In-situ	<0.00200	<0.00200	<15.0	<15.0	<15.0	<15.0	200
	1-2	5/10/2018	In-situ	-	-	-	-	-	-	131
	2-3	5/10/2018	In-situ	-	-	-	-	-	-	845
	5	6/6/2018	In-situ	-	-	-	-	-	-	764
	10	6/6/2018	In-situ	-	-	-	-	-	-	588
	15	6/6/2018	In-situ	-	-	-	-	-	-	274

Notes: Laboratory analysis performed by Xenco Laboratories, Lubbock, Texas by EPA 8021B (BTEX)

Method 8015M (TPH) and 300 (chloride)

Depth in feet below ground surface (bgs)

mg/Kg: milligrams per kilogram equivalent to parts per million (ppm)

<: concentration less than analytical method reporting limit

*: OCD delineation level

Bold and highliteed denote concentration above OCD delineation limit