LOG of BORING NO. TB-05

DATE: March 13, 2006 SURFACE ELEVATION: 63.5± LOCATION: See Figure 1

0c52-141

DEPTH, ft.	SAMPLES	N VALUE OR CORE RECOVERY	SAMPLE TYPE	DESCRIPTION	STRATUM ELEVATION	POCKET PENETROMETER	WATER CONTENT, %	LIQUID LIMIT, %	PLASTIC LIMIT, %	OTHER TESTS
0				Lt brown silty clayey c-f sand, little c-f gravel						
		2	SS	-becoming loose brown to grayish brown silty medium to fine SAND, trace coarse sand and coarse to fine gravel	59.0					
				Coke fines	58.5					
5		23	SS	Very dense gray fine sandy SILT, occasional fine roots and fine gravel size coal fragments						
10		10	SS	-becoming medium dense brown silty / clayey fine SAND, trace medium sand, occasional fine gravel (SM)			18.8	NP	NP	
15		11	SS	-becoming orange-brown with black specks, micaceous silty medium to fine SAND, trace to little coarse to fine sub-rounded gravel from 14.0 to 15.0 ft. [Fill]	46.0					
20		21	SS	Medium dense coarse to fine SAND, trace coarse to fine sub-rounded gravel; layer of reddish brown cemented ironstone coarse to fine sandy gravel at 20.8 ft.						
25		25	SS	-becoming dense light gray fine sandy coarse to fine GRAVEL; then medium dense light orange-brown and light brown silty medium to fine SAND from 25.5 ft. (SM)			6.3			X
30		11	SS	-with coarse sand and occasional black specks						
35		11	SS	Continued on page 2						

Completion Depth: 134.4 Feet
Project No.: 2006G423
Project Name: Valero Petroleum Coke Storage Silos
Drilling Method: Hollow Stem Augers & Mud-Rotary, Safety Hammer

Water Depth: 42.7 ft After encountered
____ ft After ____ hrs
____ ft After ____ hrs
____ ft After ____ hrs

GeoSystems Consultants

LOG of BORING NO. TB-05

DATE: March 14, 2006 SURFACE ELEVATION: 63.5± LOCATION: See Figure 1

DEPTH, ft.	SAMPLES	N VALUE OR CORE RECOVERY	SAMPLE TYPE	DESCRIPTION	STRATUM ELEVATION	POCKET PENETROMETER	WATER CONTENT, %	LIQUID LIMIT, %	PLASTIC LIMIT, %	OTHER TESTS
35		11	SS	Medium dense light orange-brown and light brown with occasional black specks, medium to fine SAND, trace coarse sand						
40		20	SS	-becoming without black specks, with 2.0 in. clayey silt / silty clayey seam at 50.5 ft.						
45		17	SS	-becoming orange-brown, trace fine sub-rounded gravel, occasional coarse gravel						
50		22	SS	-with 0.5 to 1.2 in. light brown laminated clayey silt layers						
55		16	SS	-becoming silty fine SAND, trace medium sand, (SM) 0.25 in. red-brown seam of meidium gravel ironstone at 55.3 ft.			26.5			X
60		17	SS	-with occasional black lenses, 1.5 in. zone with red brown staining at 60.3 ft.						
65		22	SS	-with thin layers of black staining from 65.0 to 66.0 ft.						
70		18	SS	- with occasional specks of black sand						

Continued on page 3

Completion Depth: 134.4 Feet
Project No.: 2006G423
Project Name: Valero Petroleum Coke Storage Silos
Drilling Method: Hollow Stem Augers & Mud-Rotary, Safety Hammer

Water Depth: 42.7 ft After encountered
____ ft After ____ hrs
____ ft After ____ hrs
____ ft After ____ hrs

GeoSystems Consultants

LOG of BORING NO. TB-05

DATE: March 14, 2006 SURFACE ELEVATION: 63.5± LOCATION: See Figure 1

DEPTH, ft	SAMPLES	N VALUE OR CORE RECOVERY	SAMPLE TYPE	DESCRIPTION	STRATUM ELEVATION	POCKET PENETROMETER	WATER CONTENT, %	LIQUID LIMIT, %	PLASTIC LIMIT, %	OTHER TESTS
70		18	SS	Medium dense thin layers of gray and brown coarse to fine sand; light brown silty clay; and brown medium to fine sand; then brown coarse to fine SAND						
75		28	SS	(SM)	-12.5		16.7			X
				Driller reported coarse gravel layer from 76 to 78 ft.	-14.5					
80		16	SS	Stiff dark gray micaceous CLAYEY SILT with frequent silty fine sand lenses		1.2 1.8				
85		14	SS	(SM)		1.4 1.6	27.6	NP	NP	
90		23	SS	-becoming very stiff		2.1 2.5				
					-29.5					
95		170	SS	Very dense light gray, to light brown, to brown, silty fine SAND (SM)			16.7			X
100		26	SS	-becoming stiff reddish brown and light gray coarse to fine sandy CLAY; becoming very stiff mottled light gray and reddish brown sandy CLAY		1.8 2.6				
105		36	SS	(CL)		2.7	18.7	36	20	
				Continued on page 4		3.6				

Completion Depth: 134.4 Feet
Project No.: 2006G423
Project Name: Valero Petroleum Coke Storage Silos
Drilling Method: Hollow Stem Augers & Mud-Rotary, Safety Hammer

Water Depth: 42.7 ft After encountered
____ ft After ____ hrs
____ ft After ____ hrs
____ ft After ____ hrs

LOG of BORING NO. TB-05

DATE: March 15, 2006 SURFACE ELEVATION: 63.5± LOCATION: See Figure 1

DEPTH, ft.	SAMPLES	N VALUE OR CORE RECOVERY	SAMPLE TYPE	DESCRIPTION	STRATUM ELEVATION	POCKET PENETROMETER	WATER CONTENT, %	LIQUID LIMIT, %	PLASTIC LIMIT, %	OTHER TESTS
105		36	SS	Very Stiff light gray and reddish brown LEAN CLAY (CL)		2.7 3.6	18.7	36	20	
110		32	SS	-with out reddish brown, with trace fine sand from 109.0 109.5 ft.		2.25 3.5				
115		35	SS	-becoming CLAYEY SILT to SILT with frequent fine sand lenses from 114.6 to 115.2 ft.		2.0 2.5				
120		34	SS	-becoming alternating layered fine SAND, fine sandy clayey SILT; and with lenses of silty fine sand (SM)		4.0	19.0	NP	NP	
125		38	SS			4.0 3.2				
130		180/8"	SS		-66.4	2.0				
				-becoming very dense light gray fine sand, little silt (SM) [Alluvium]	-70.9					
135		100/5"	SS	End of test boring			23.2			X
140										

Completion Depth: 134.4 Feet
Project No.: 2006G423
Project Name: Valero Petroleum Coke Storage Silos
Drilling Method: Hollow Stem Augers & Mud-Rotary, Safety Hammer

Water Depth: 42.7 ft After encountered
____ ft After ____ hrs
____ ft After ____ hrs
____ ft After ____ hrs