Bratcher, Mike, EMNRD

From: shelby.g.pennington@exxonmobil.com
Sent: Monday, August 31, 2009 8:42 AM
To: Bratcher, Mike, EMNRD
Subject: ADU #238 Diagram and Samples
Attachments: Table 3 - Soil Borings.xls; Figure #3.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Mike,
Here is the Diagram and samples. The BG hole was a background and test for groundwater. No water at 70 feet. Let me know what you think will be the best approach on this. Give me a shot with any questions or concerns. Thanks

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TABLE 2

Summary Soil Boring Field Analyses and Laboratory Analytical Results

Exxon Mobil - Avalon Delaware Unit #238

NMOCD Ref. ; EPI Ref. #190037

UL-K (NE1/4 of the SW1/4) of Section 30. T20S. R28E; Eddy County, New Mexico

Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	Carbon Ranges C6-C12 (mg/Kg)	Carbon Ranges >C12-C28 (mg/Kg)	Carbon Ranges >C28-C-35 (mg/Kg)	Total TPH C6-C35 (mg/Kg)	Chloride (mg/Kg)
BG - S	0.5	Surface	13-Aug-09	--	240	--	--	--	--	--	--	--	--	--	--
BG - 1	5	In situ	13-Aug-09	--	240	--	--	--	--	--	--	--	--	--	--
BG - 2	10	In situ	13-Aug-09	--	240	--	--	--	--	--	--	--	--	--	--
BG-3	20	In situ	13-Aug-09	--	240	--	--	--	--	--	--	--	--	--	32
BG - 4	30	In situ	13-Aug-09	--	240	--	--	--	--	--	--	--	--	--	--
BG - 5	40	In situ	13-Aug-09	--	240	--	--	--	--	--	--	--	--	--	16
BG - 6	50	In situ	13-Aug-09	--	240	--	--	--	--	--	--	--	--	--	--
BG - 7	60	In situ	13-Aug-09	--	**	--	--	--	--	--	--	--	--	--	--
BG - 8	70	In situ	13-Aug-09	--	**	--	--	--	--	--	--	--	--	--	--
BH#1 - 1	5	In situ	13-Aug-09	--	>4,000	--	--	--	--	--	--	--	--	--	**32,800**
BH#1 - 2	10	In situ	13-Aug-09	--	>4,000	--	--	--	--	--	--	--	--	--	--
BH#1 - 3	15	In situ	13-Aug-09	--	>4,000	--	--	--	--	--	--	--	--	--	--
BH#1 - 4	20	In situ	13-Aug-09	--	>4,000	--	--	--	--	--	--	--	--	--	--
BH#1 - 5	25	In situ	13-Aug-09	--	>4,000	--	--	--	--	--	--	--	--	--	--
BH#1 - 6	30	In situ	13-Aug-09	--	>4,000	--	--	--	--	--	--	--	--	--	**6,800**
BH#1 - 7	40	In situ	13-Aug-09	--	2,640	--	--	--	--	--	--	--	--	--	**3,360**
BH#1 - 8	50	In situ	13-Aug-09	--	720	--	--	--	--	--	--	--	--	--	656
BH#1 - 9	60	In situ	13-Aug-09	--	320	--	--	--	--	--	--	--	--	--	200
BH#2 - 1	5	In situ	13-Aug-09	--	>4,000	--	--	--	--	--	--	--	--	--	**11,700**
BH#2 - 2	10	In situ	13-Aug-09	--	>4,000	--	--	--	--	--	--	--	--	--	--
BH#2 - 3	15	In situ	13-Aug-09	--	>4,000	--	--	--	--	--	--	--	--	--	**8,000**
BH#2 - 4	20	In situ	13-Aug-09	--	800	--	--	--	--	--	--	--	--	--	608

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Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	Carbon Ranges C6-C12 (mg/Kg)	Carbon Ranges >C12-C28 (mg/Kg)	Carbon Ranges >C28-C-35 (mg/Kg)	Total TPH C6-C35 (mg/Kg)	Chloride (mg/Kg)
BH#2 - 5	25	In situ	13-Aug-09	--	560	--	--	--	--	--	--	--	--	--	656
BH#2 - 6	30	In situ	13-Aug-09	--	400	--	--	--	--	--	--	--	--	--	448
BH#2 - 7	35	In situ	13-Aug-09	--	640	--	--	--	--	--	--	--	--	--	416
BH#2 - 8	40	In situ	13-Aug-09	--	400	--	--	--	--	--	--	--	--	--	112
BH#2 - 9	45	In situ	13-Aug-09	--	320	--	--	--	--	--	--	--	--	--	128
NMOCD Remedial Thresholds				100		10				50				100	500

Bold values exceed NMOCD remedial threshold goals

** * = Soilds would not settle out due to clay particulate matter*

-- = Not Analyzed

Soil Sample Nomenclature: BH = Boring Hole: BG = Background Boring Hole: S = Surface

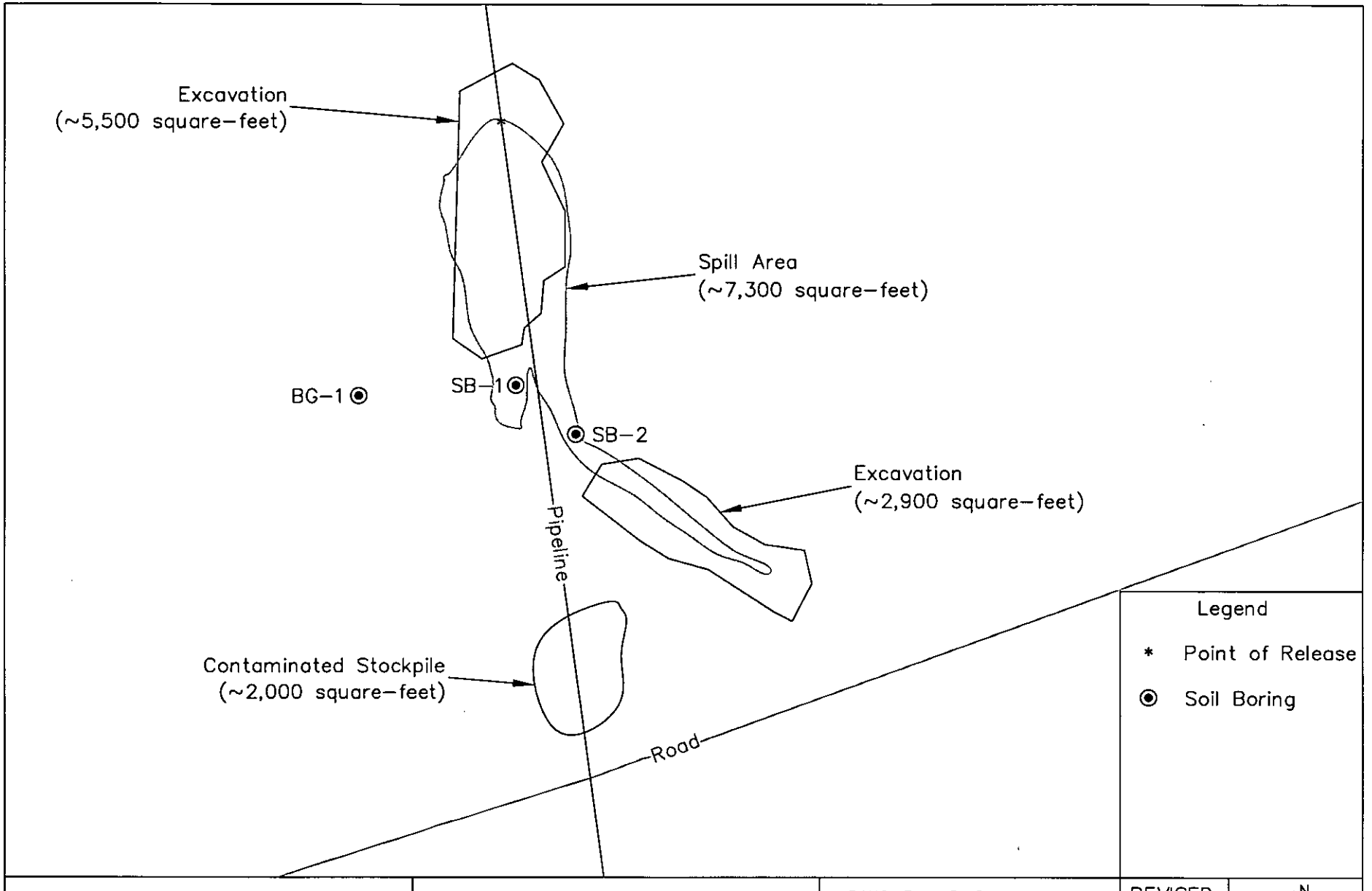

Figure 3 Site Map ExxonMobil Avalon Delaware Unit #238	Eddy County, New Mexico NE 1/4 of the SW 1/4, Sec. 30, T20S, R28E N 32° 32' 41.21" W 104° 13' 15.65" Elevation: 3,299 feet amsl	DWG By: D Dominguez August 2009	REVISED:	SHEET 1 of 1