KHM

ENVIRONMENTAL MANAGEMENT INCORPORATED

PROJECT NO:	B30-01F	CLIENT:	Kinder Morgan Energy
LOGGED BY:	NWH	LOCATION:	Linnton, OR
DRILLER:	Cascade	DATE DRILLED:	4/16/2002
DRILLING METHOD:	Probe	HOLE DIAMETER:	2-inch
SAMPLING METHOD:	Macro	HOLE DEPTH:	32 feet
CASING TYPE:	N/A	WELL DIAMETER:	N/A
SLOT SIZE:	N/A	WELL DEPTH:	N/A
GRAVEL PACK:	N/A	CASING STICKUP:	N/A

BORING/WELL NO: SP-12

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LOCATION MAP

PORSF 11-3-18-1 V6

See Figure 2

ELEVATION	NORTHING	EASTING

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
Bentonite									GRAVEL; Red stain 1 to 2-inches below surface
					1			SP	Poorly graded SAND; Brown; Medium to fine
					2				
		Moist	0		3				
					4				
					5				
					6				
		Moist	0		7				(Grades gray)
					8				
					9				Poorly graded SAND; Gray
					10				
		Moist	0		11				(Grades more silt)
					12				
					13			SM	Silty SAND; 70% sand, 30% silt
					14				
		Moist	320		15				
					16				
					17			SP	Poorly graded SAND; Trace of silt
					18			ML	SILT with fine sand
	▽	Wet	98		19				
					20				
					21				
					22				

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LOCATION MAP

See Figure 2

ELEVATION	NORTHING	EASTING

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery Interval	Soil Type	LITHOLOGY / DESCRIPTION
Bentonite					23		ML	
		Wet	19		24			
					25			
					26			
					27		SM	Silty SAND; 60% fine sand, 40% silt
		Wet	16		28			
					29		ML	Sandy SILT; Gray; 70% silt, 30% fine sand (Grades brown)
					30			
					31			
		Wet	0		32		SM	Silty SAND; 80% Very fine sand, 20% silt Bottom of Boring at 32 feet
					33			
					34			
					35			
					36			
					37			
					38			
					39			
					40			
					41			
					42			
					43			
					44			