



ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

LOG OF WELL MW-25

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SEE SITE PLAN

ALISTO PROJECT NO: 10-320-09 DATE DRILLED: 4/20-21/99
 CLIENT: Pacific Gas and Electric Co.
 LOCATION: Topock Compressor Station
 DRILLING METHOD: Roto Sonic, Continuous Coring
 DRILLING COMPANY: Boart Longyear CASING ELEVATION:
 LOGGED BY: Dan Hidalgo APPROVED BY: Dan Hidalgo

WELL DIAGRAM	DEPTH feet	SAMPLES	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
<p>4" Sch. 80 PVC Casing</p> <p>Cement/Bent Grout</p>				SP GP SP GP	<p>gravelly SAND: light brown; ~60% sand, very fine-grained; gravel, subangular, ~4 to 20 mm.</p> <p>sandy GRAVEL: light brown; ~40-50% sand, very fine-grained; gravel, subangular, ~4 to 30 mm; cobble fragments; dry.</p> <p>At 7.5 feet color change to light olive-brown; ~80% gravel, subrounded to subangular, ~4 to 80 mm.</p> <p>At 11 feet color change to grayish-brown.</p> <p>SAND: pale brown; very fine- to fine-grained; ~5% gravel, 4 to 10mm.</p> <p>gravelly SAND: pale brown; sand, very fine- to fine-grained; ~20% gravel, 4 to 10 mm.</p> <p>sandy GRAVEL: very pale brown to yellow; ~80% gravel, subrounded, 4 to 20 mm; sand, very fine-grained; damp.</p>



WELL DIAGRAM	DEPTH feet	SAMPLES	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
<p>4" 0.020" Slotted PVC Screen</p> <p>4" Sch. 80 PVC Casing</p> <p>#3 Lonestar Sand</p> <p>Cement/Bent Grout</p> <p>Bentonite</p>	<p>80</p> <p>90</p> <p>100</p> <p>110</p> <p>120</p> <p>130</p> <p>140</p> <p>150</p>	<p>80</p> <p>84</p> <p>90</p> <p>96</p> <p>100</p>	<p>GP</p> <p>SP</p> <p>ML</p> <p>GM</p> <p>GP</p>	<p>GP</p> <p>SP</p> <p>ML</p> <p>GM</p> <p>GP</p>	<p>sandy Gravel continued.</p> <p>SAND: light yellowish-brown; very fine- to fine-grained; less than gravel; moist. Appears wet at 84 feet.</p> <p>sandy SILT: dark yellowish-brown; ~40% sand, very fine- to fine-grained; trace of gravel; very moist.</p> <p>silty GRAVEL: yellowish-brown, dense; ~70% gravel, 4 to 20 mm; fines, non-plastic; moist.</p> <p>sandy GRAVEL: brown; ~40-50% sand, fine- to coarse-grained; gravel, subrounded to subangular, -4 to 20 mm; wet.</p> <p>Total depth of borehole is 107 feet.</p>