



SEE SITE PLAN

ALISTO PROJECT NO: 10-320-08 DATE DRILLED: 07/08/97
 CLIENT: Pacific Gas and Electric Co.
 LOCATION: Topack Compressor Station
 DRILLING METHOD: Resonant Sonic, Continuous Coring
 DRILLING COMPANY: Boart Longyear CASING ELEVATION: 483.58
 LOGGED BY: Ted Moise/Dan Birch APPROVED BY: Dan Salaiques

WELL DIAGRAM	DEPTH feet	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
<p>4" Sch. 80 PVC Casing</p> <p>Cement/Bent Grout</p> <p>Bentonite</p> <p>Laneslar #3 Sand</p>	<p>5</p> <p>10</p> <p>15</p> <p>20</p> <p>25</p> <p>30</p>		<p>SW</p> <p>SM</p> <p>SP</p> <p>GP</p> <p>SP</p>	<p>gravelly SAND: pale yellowish brown; 50% sand, very fine to coarse grained, well graded; 35% gravel, 4-20 mm, subangular; 15% fines; dry.</p> <p>silty SAND: pale yellowish brown; 80% sand, very fine to fine grained; 30% fines; 10% gravel, 4-20 mm, subangular; dry.</p> <p>at 10 feet, angular gravel to 40 mm.</p> <p>gravelly SAND: pale brown; 75% sand, fine to medium grained; 15% gravel, 4-15 mm, subrounded; 10% fines; dry.</p> <p>at 15 feet, color change to moderate brown; 80% sand, fine to coarse grained; 40% gravel, 4-20 mm, subangular, occasional cobble; dry.</p> <p>at 20 feet; 80% sand, fine to medium grained; 40% gravel, 4-25 mm, subangular; dry to very moist.</p> <p>Wet at 28 feet.</p> <p>sandy GRAVEL: pale brown; 55% gravel, 4-20 mm, subangular; 35% sand, fine to medium grained; 10% fines; wet.</p> <p>gravelly SAND: pale brown; 80% sand, fine to medium grained; 40% gravel, 4-20 mm, subangular; wet.</p>



ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

LOG OF WELL MW-12

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WELL DIAGRAM	DEPTH feet	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
<p>4" PVC Screen 0.020-inch slat</p> <p>Lanester #3 Sand</p>		SP	SP	SAME
	40	GM	GM	silty GRAVEL: pale brown; 50% gravel, 4-35 mm, angular to subangular, occasional cobble; 30% sand, fine to coarse grained; 20% fines; wet.
	45	SP	SP	gravelly SAND: pale brown; 80% sand, fine to medium grained; 40% gravel, 4-35 mm, subangular, occasional cobble; wet.
	50	SM	SM	RED FANGLOMERATE AT 47 feet. silty SAND: grayish red; 80% sand, fine to medium grained; 20% fines; wet.
	50	Total depth of boring 50 feet.		
	55			
	60			
	65			