



ALISTO ENGINEERING GROUP
WALNUT CREEK, CALIFORNIA

LOG OF WELL MW-11

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SEE SITE PLAN

ALISTO PROJECT NO: 10-320-06

DATE DRILLED: 06/29-30/97

CLIENT: Pacific Gas and Electric Co.

LOCATION: Tapack Compressor Station

DRILLING METHOD: Resonant Sonic, Continuous Coring

DRILLING COMPANY: Boart Longyear

CASING ELEVATION: 522.19

LOGGED BY: Dan Salaiques

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>	5	GP	GP	sandy GRAVEL: various shades of gray; 85% gravel, 4-30 mm, subangular; 15% sand, fine to coarse grained; a few cobble fragments; dry.
	10	GP	GP	ALLUVIUM/OLDER ALLUVIUM CONTACT AT 10.5 FEET sandy GRAVEL: moderate yellowish brown; 80% gravel, 4-50 mm, subangular, occasional cobble fragments; 40% sand, fine to coarse grained; dry.
	15	GP	GP	No Recovery
	20	GP	GP	sandy GRAVEL: moderate yellowish brown; 80% gravel, 4-50 mm, subangular, occasional cobble fragments; 40% sand, fine to coarse grained; dry. Cobbles at 20 feet
	25	SP	SP	gravelly SAND: moderate yellowish brown; 80% sand, fine and coarse grained; 40% gravel, 4-50 mm, subangular, cobble at 27 feet.
30	GP	GP	sandy GRAVEL: moderate yellowish brown; 80-70% gravel, 4-50 mm, subangular, occasional cobble; 30-40% sand, fine to coarse grained; damp.	



SEE SITE PLAN

ALISTO PROJECT NO: 10-320-08

DATE DRILLED: 08/29-30/97

CLIENT: Pacific Gas and Electric Co.

LOCATION: Topock Compressor Station

DRILLING METHOD: Resonant Sonic, Continuous Coring

DRILLING COMPANY: Bort Longyear

CASING ELEVATION: 522.19

LOGGED BY: Dan Salaiques

APPROVED BY: Dan Salaiques

WELL DIAGRAM	DEPTH feet	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
	40	GP	GP	at 38.5' dark yellowish brown; 80% gravel, 4-40 mm; 40% sand, mostly fine grained.
	45	SP	SP	gravelly SAND: dark yellowish brown; 80% sand, fine to coarse grained; 40% gravel, 4-30 mm, subangular, occasional cobble; moist.
	50	GP	GP	sandy GRAVEL: dark yellowish brown; 80% gravel, 4-40 mm, subangular, occasional cobbles; 40% sand, fine to coarse grained.
	55	SP	SP	gravelly SAND: dark yellowish brown; 80-70% sand, fine to coarse grained; 30-40% gravel, 4-20 mm, subrounded; appears wet at 63 feet.
	65	SC	SC	gravelly clayey SAND: dark yellowish brown; 80% sand, fine to coarse grained; 20% gravel, subrounded, 4-20mm; 20% fines, low plasticity; wet.
		GC	GC	See next page



SEE SITE PLAN

ALISTO PROJECT NO: 10-320-06 DATE DRILLED: 06/29-30/97
 CLIENT: Pacific Gas and Electric Co.
 LOCATION: Topock Compressor Station
 DRILLING METHOD: Resonant Sonic, Continuous Coring
 DRILLING COMPANY: Boart Longyear CASING ELEVATION: 522.19
 LOGGED BY: Dan Salaices APPROVED BY: Dan Salaices

WELL DIAGRAM	DEPTH feet	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
<p>4" PVC Screen 0.020-inch slot</p> <p>Lonestar #3 Sand</p>		GC	GC	sandy clayey GRAVEL: dark yellowish brown; 80% gravel, 4-20 mm, subangular, occasional cobble; 20% sand, fine to coarse grained; 20% fines; wet.
	75	SP	SP	No Recovery
	80	GC	SP	sandy clayey GRAVEL: dark yellowish brown; 80% gravel, 4-20 mm, subrounded to subangular; 20% sand, fine to coarse grained; 20% fines; wet.
	85	SC	SC	gravelly SAND: dark yellowish brown; 80-70% sand, medium to coarse grained, subrounded; 30-40% gravel, 4-20 mm, subrounded to subangular, occasional cobble fragments; wet. gravelly clayey SAND: dark yellowish brown; 80% sand, medium grained; 20-30% gravel, 4-20mm; 10-20% fines, wet. At 83 feet, color change to moderate brown.
	90			Total Depth of Boring is 88.5 feet