



LOG OF BORING MW-20/100

SEE SITE PLAN

ALISTO PROJECT NO: 10-320-09 DATE DRILLED: 04/28-29/99
 CLIENT: Pacific Gas and Electric Co.
 LOCATION: Topock Compressor Station
 DRILLING METHOD: Roto Sonic, Continuous Coring
 DRILLING COMPANY: Boart Longyear CASING ELEVATION:
 LOGGED BY: Chris Reinheimer APPROVED BY: Dan Hidalgo

| BORING DIAGRAM | DEPTH feet | GRAPHIC LOG | SOIL CLASS | GEOLOGIC DESCRIPTION |
|---|---------------|-------------|------------|---|
| <p>4" Sch. 40 PVC Casing</p> <p>Cement/Bent Grout</p> | 0 | | GP | sandy GRAVEL: moderate yellowish-brown; ~60-70% gravel, subrounded, ~80 mm; ~30-40% sand. |
| | 10 | | SP | SAND: pale yellowish-brown; very fine- to fine-grained; ~5% gravel. |
| | 20 | | GP | sandy GRAVEL: light brownish-gray; cobble at 21 to 24 feet. At 24 feet color change to moderate yellowish-brown; ~80-70% gravel, subrounded, ~80 mm. |
| | 30 | | SP | gravelly SAND: light gray; ~80% sand, very fine- to fine-grained; ~10% gravel, subrounded, ~50 mm. gravelly SAND continued. |
| | 40 | | SP | SAND: reddish-brown; very fine- to fine-grained; ~5% fines; damp. |
| | 50 | | GP | sandy GRAVEL: reddish-brown; ~55% gravel, subrounded, ~80 mm; ~45% sand. |
| | 60 | | SP | gravelly SAND: brown to reddish-brown; 70% sand, fine- to coarse-grained; gravel, subrounded to subangular, 4 to 10 mm; wet. |
| | | | SC | gravelly clayey SAND: reddish-brown; 70% sand, fine- to coarse-grained; gravel, 4 to 8 mm; ~15% fines, plastic; wet. |



| BORING DIAGRAM | DEPTH feet | GRAPHIC LOG | SOIL CLASS | GEOLOGIC DESCRIPTION |
|---|---|-------------|---|---|
| <p>4" Sch. 40 PVC Casing</p> <p>Cement/Bent Grout</p> <p>#3 Lanester Sand 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>SC</p> <p>SP</p> <p>SP</p> <p>SP</p> <p>SC</p> <p>SP</p> <p>SC</p> <p>SP</p> | <p>gravelly clayey SAND continued.</p> <p>SAND: reddish-brown; fine- to coarse-grained; minor gravel, fine-grained; wet.</p> <p>gravelly clayey SAND: reddish-brown; 70% sand, fine- to coarse-grained; gravel, 4 to 8 mm; ~15% fines, plastic; wet.</p> <p>SAND: reddish-brown; fine- to coarse-grained; minor gravel, fine-grained; wet.</p> <p>gravelly clayey SAND: reddish-brown; 70% sand, fine- to coarse-grained; gravel, 4 to 8 mm; ~15% fines, plastic; wet.</p> <p>gravelly SAND: reddish-brown; 85% sand, very fine- to coarse-grained; gravel; wet.</p> <p>gravelly clayey SAND: reddish-brown; 70% sand, fine- to coarse-grained; gravel, 4 to 8 mm; ~15% fines, plastic; wet.</p> <p>gravelly SAND: reddish-brown; ~85% sand, very fine- to coarse-grained; gravel, ~4 to 20 mm; wet.</p> <p>- At 98 feet color change to moderate yellowish-brown; 80% sand, medium- to coarse-grained.</p> <p>- At 98 feet color change to brown; 85% sand, very fine- to coarse-grained.</p> <p>Total depth of borehole at 98.5 feet.</p> |