

# WELL COMPLETION DIAGRAM

|                             |                             |   |
|-----------------------------|-----------------------------|---|
| PROJECT NO: 382653.FP.04.FW | PROJECT: PG&E Topock - ERGI | WELL NO: <i>MW-23-060</i><br><i>MW-23-080</i> |
|-----------------------------|-----------------------------|---|

LOCATION: Former MW-23

DRILLING CONTRACTOR: Boart Longyear (D. Roberts)

DRILLING START: 4/30/2009

DRILLING METHOD: Rotosonic

DRILLING END: 5/2/2009

LOGGER: B. Pelletier (Northstar)

WELL COMPLETION DATE: 5/2/2009

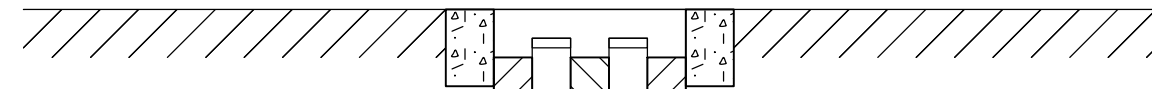
GROUND SURFACE ELEVATION (NAVD 88): 504.6 ft AMSL

GENERAL REMARKS: Existing monitoring well MW-23 was over-drilled and reconstructed within the same borehole as two nested monitoring wells

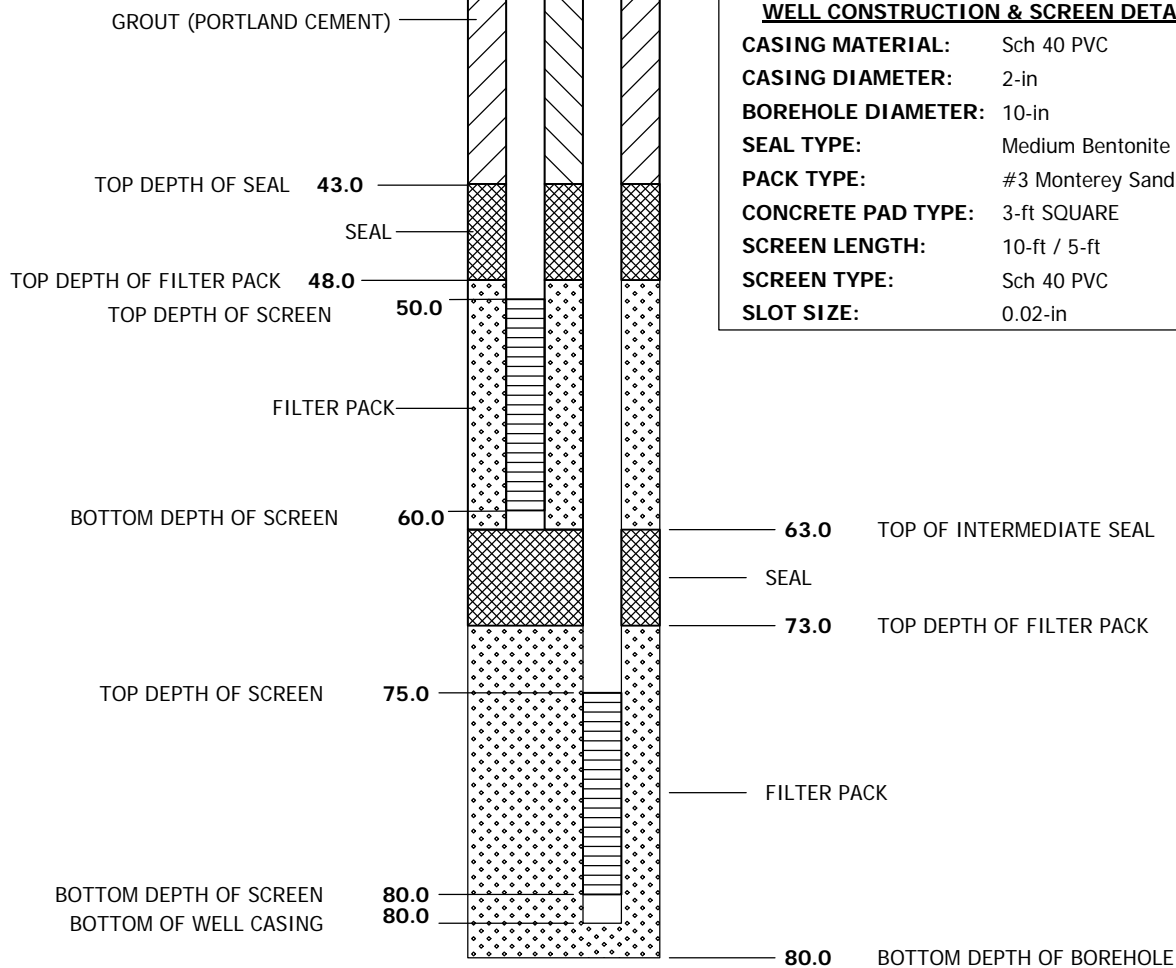
NORTHING (CCS NAD 83 Z 5): 2101286.32

EASTING (CCS NAD 83 Z 5): 7616448.50

## 12-in DIAMETER WELL VAULT (FLUSH WITH GRADE)



NOTES:  
1. All depths are reported as feet below ground surface



WELL DIAGRAM IS NOT TO SCALE



ALISTO ENGINEERING GROUP  
WALNUT CREEK, CALIFORNIA

# LOG OF WELL MW-23

SEE SITE PLAN

ALISTO PROJECT NO: 10-320-08      DATE DRILLED: 04/06/98  
 CLIENT: Pacific Gas and Electric Co.  
 LOCATION: Topock Compressor Station  
 DRILLING METHOD: Ingersol Rand STRATEX/Air rotary  
 DRILLING COMPANY: THF Drilling      CASING ELEVATION:  
 LOGGED BY: Dan Selaices      APPROVED BY: Dan Selaices

| WELL DIAGRAM  | DEPTH<br>feet  | SAMPLES | GRAPHIC LOG | SOIL CLASS | GEOLOGIC DESCRIPTION   |
|---|--|---------|-------------|------------|--|
| <p>4" PVC Screen 0.020-Inch slot</p> <p>4" Sch. 80 PVC Casing</p> <p>Cement/Bent Grout</p> <p>Colorado 10x20 Sand Bentonite</p> | <p>0</p> <p>10</p> <p>20</p> <p>30</p> <p>40</p> <p>50</p> <p>60</p> |         |             | <p>GP</p>  | <p>sandy GRAVEL: light to medium gray; (till).<br/>         RED FANGLOMERATE.<br/>         appears to be a cemented sandy GRAVEL: pale reddish-brown to moderate reddish-brown; hard; dry.</p> |



| WELL DIAGRAM  | DEPTH<br>feet   | SAMPLES | GRAPHIC LOB | SOIL CLASS | GEOLOGIC DESCRIPTION  |
|---|---|---------|-------------|------------|---|
| <p>4" PVC Screen 0.020-inch slot</p> <p>Colorado 10x20 Sand</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>RED FANGLOMERATE continued.</p> <p>Total depth of borehole is 80 feet.</p> |