

Brown and Caldwell

Carson City, Nevada

BORING LOG

Project Name: OU4 Phase 1 - Yerington Mine Evaporation Ponds

Project Number: 136742

Soil Boring: Monitoring Well: Piezometer:

Boring/Well Name: OU4-UEP-06

Sheet 1 of 2

Boring Location: OU4 Unlined Evaporation Ponds		Northing: 1554567.6	Easting: 323363.44
Drilling Contractor: WDC		Top of PVC Elevation: Ground Surface Elevation: 4381.58 feet amsl	
Drilling Equipment: Geoprobe		Date Started: 10-14-08	Date Finished: 10-14-08
Drilling Method: Direct-Push		Completed Depth: 40 ft bgs	Water Depth: 35 ft bgs
Sampling Method: Continuous Core		WELL CONSTRUCTION	
Driller: Rick Smedley		Type and Diameter of Well Casing: N/A	
Well Seal: N/A		Borehole Diameter: 2"	Filter Material: Cement grout
Logged By: C. Haley		Slot Size: N/A	
Drilling Fluid: N/A			

Depth (ft)	Elevation (famsl)	USCS Group Symbol	Material Description	Sample Type I Name	Sample Type I Location	Sample Type II Name	Sample Type II Location	Lithology	Remarks
4380		GW	GRAVEL with sand and silt (VLT Roadway) (0 - 14.5) Used to construct pond berm/roadway (fill). Gravel is 3/4"-minus crushed rock.						<p>Description of drilled cuttings based on ASTM Method D-2488 (the visual-manual procedure), grain-size determinations and nomenclature based on the Unified Soil Classification System.</p> <p>Horizontal Survey data is expressed in the Nevada State Plane system, Nevada West zone, in feet.</p> <p>Sharp contacts indicated by solid lines, gradational contacts indicated by dashed line.</p> <p>All depths are below land surface unless stated otherwise.</p> <p>Type 1 Samples are representative of geochemical and geotechnical soil samples as well as groundwater samples.</p> <p>Type 2 Samples are representative of meteoric water mobility soil samples.</p>
5									
4375									
10									
4370									
15		SM	Silty Sand (Native Soil) (14.5 - 16) Native Soil. Sample: <u>OU4-UEP-06A-SC</u> from 15.5 to 20 feet.						
4365		ML	SILT with clay (16 - 19) High clay content.						
		SM	SAND with some silt (19 - 23)						

OU4-UEP-06A-SC

