



BOREHOLE GEOPHYSICAL LOG

English/Metric units English

SiteID (C1) 433837113011201		Station name (C12) USGS-142		Other ID	
County			State Idaho		Log date 4/29/2015
Owner USGS INL PO				Project USGS Drilling	
Location description Near Howe Idaho					
Latitude 43deg 38min 37.0 sec N		Longitude 113deg 01min 12.6sec W		Lat/Long datum NAD27	
Altitude LMP		Altitude datum		Log measurement point (LMP)	
Height LMP		Description of LMP			
Borehole depth 844 ft		Borehole diameter 3.8-inch 650 to 844 ft bls		Casing bottom PQ rods set near 651 ft bls	
Casing diameter 6-inch steel		Casing type HQ core rod (steel pipe)		Source of data	
Logging unit USGS		Log orientation		Magnetic declination 12.5 deg	
Recorded by Brian Twining			Observed by		
Software non-ASCII logs Century			Type of log Century		
Fluid type ESRP Aquifer		Fluid depth below LMP 530 ft		at time NA	
Hydrologic conditions Just completed coring to 844 ft bls; Mud weight 8.6 lbs/gal used to stabilize sediment layers during drilling					
Tool manufacturer and model, tool serial number, log date and time, logging direction and speed, depth error after logging, log parameter(s) and date(s) of calibration check					
Tool run 1 Tool ID: 9057A / Serial #: 1077. Calibrated 3/31/2015. Logs included: neutron and natural gamma. 9057A run 04/29/2015. Up log run from 840 ft to land surface at 30 ft/min.					
Tool run 2 Tool ID: 0024 / Serial #: 776. Logs included: Density short and long spaced density (DEN SS and DEN LS). Density log run 04/29/2015. Up log run from 840 ft to land surface.					
Tool run 3					
Remarks Logs presented between 530 and 850 ft below to better represent aquifer conditions. HQ-size casing was set at 840 ft bls and logs were collected through drill steel. USGS Drillers had to use heavy drill mud (8.6 lbs/gal) to get the HQ pipe to bottom of hole. Lost circulation during most of the drilling. Logs collected about 18 hours after drilling stopped.					

