



Tecton Geologic

Company: Calpine Corporation
 Well Name: DV-26
 Field: The Geysers
 County: Sonoma
 State: California
 Well Head Coordinates: 1,791,630.8 E, 402,932.8 N

Elevation: 3375.1' KB El.
 Rec-Only Start Date: 10/2/2011
 To Date: 11/10/2011
 Total Depth: 4294'
 True Vertical Depth: 4287'
 Drilling Contractor: Nabors Rig 472
 Company Representatives: S. Gamble, J. Potter

LOG INTERVAL
 Date Logged: 10/2/11 TO 11/12/11
 Depth Logged: 42' TO 4294'
 Mud Drilling: n/a TO 4294'
 Air Drilling: n/a TO n/a
 Log Scale: 1:600
 Unit No.: C23

Logging Geologists: Brandon Mills (bm), Eric ter Weele(et), Eric Booker (eb), Jeremy Feinberg (jf), Charley Wahl(cw), Mike McLaughlin (mm), Jonathan Pollard (jp)

HOLE
 26" TO 42"
 18.5" TO 510"
 8.5" TO 3397"
 6.125" TO 4294"

ABBREVIATIONS
 nrb New Bit
 rrb Re-run Bit
 cb Core Bit
 wob Weight on Bit
 spm Strokes per Minute
 pp Pump Pressure
 rpm Revolutions per Min
 sra Steam Flow Rate

LITHOLOGY
 Argillite
 Chert
 Phyllite
 Greenstone
 Serpentine
 Blueschist
 Feisite
 Basalt
 Limestone
 Metamorphic Ultramafic

SYMBOLS
 Volcanic Graywacke
 Siliceous Graywacke
 Lithic Graywacke
 Argillaceous Graywacke
 Weak Foliation
 Strong Foliation
 Marginal Alteration
 Pervasive Alteration
 Kevly Hornfelsic

CASINGS
 13.25" FROM Surface TO 40'
 9.625" FROM Surface TO 3397'
 7" FROM Surface TO 4294'

LINER
 4.5" FROM 1766' TO 4137'

REMARKS
 All depths from Kelly Bushing
 KB = 12'
 Lost Circulation Zones:
 251-259' - complete circulation loss
 944-947' - complete circulation loss
 1955-1957' - complete circulation loss
 3693-3710' - complete circulation loss
 3776-4295' - complete circulation loss
 Top of fish at 4137'

SECONDARY MINERALS
 Q = Quartz
 C = Calcite
 P = Pyrite
 E = Epidote
 Ch = Chlorite
 An = Anhydrite
 Ac = Actinolite
 Tr = Trillite
 R = Rare
 T = Trace
 C = Common
 A = Abundant
 X = Extensive

