

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole.

Casing Elevation: 900 ± 50 ft (0.2 m above L)
 Azimuth of X-Axis: 0° = EAST
 Azimuth of Y-Axis: 0° = NORTH

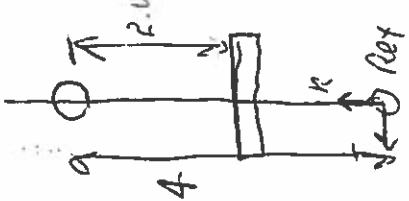
794.28

Reference Phone: Offset
 Azimuth 0
 Elev. 0
 X = 0
 Y = 4.0 m

Channel Configuration:
 Borehole Phone
 V=Channel 1
 R=Channel 2
 T=Channel 3

Reference Polarization: Azl. (deg.)
 V 0
 R 0
 T 270

Date: 24 JULY Location: Glenwood Bridge RDHA-3
 High Cut 1000 Low Cut 8 Sample Int. 1000 Number of Samples 2500



Shot		Borehole Geophone			Source 886.85 - 0.2 - 886.65				Source Polarization	
Rec	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
1	GWB0001	14.5	←	794.28 (Depth 14.37)		✓	0	2.05	90	90
2	GWB0002	14.5		794.28		886.65	0	2.05	270	90
3	GWB0003	14.0				"	0	2.05	90	90
4	GWB0004	14.0				"	0	2.05	270	90
5	GWB0005	13.5				"	0	2.05	90	90
6	GWB0006	13.5				"	0	2.05	270	90
7	GWB0007	13.0				"	0	2.05	90	90
8	GWB0008	13.0				"	0	2.05	270	90
9	GWB0009	12.5				"	0	2.05	90	90
10	GWB0010	12.5				"	0	2.05	270	90

1036w
1566w

NOTE: Add 0.37 m to borehole true depth to ref. to low spring

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole 794.28
 Casing Elevation: 246.85 m AMSL (Qz in Above D)
 Azimuth of X-Axis 90° = EAST
 Azimuth of Y-Axis 0° = North

Reference Phone: 794.28
 Azimuth 6
 Elev. 4
 X= 0
 Y= 4.0M

Channel Configuration:
 Borehole Phone
 V=Channel 1
 R=Channel 2
 T=Channel 3

Reference Polarization:
 V 0
 R 0
 T 270
 Azl.(deg.)
 Vert.(deg.)
0
90
90

Date: 24 July Location: Glenwood Bridge RDA-3
 High Cut 1000 Low Cut 8 Sample Int. .0002 Number of Samples 2500

Shot		Borehole Geophone			Source				Source Polarization	
Rec	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
11	GwBorev11	12.0					0	2.05	90	90
12	GwBorev12	12.0					0	2.05	270	90
13	GwBorev13	11.5					0	2.05	90	90
14	GwBorev14	11.5					0	2.05	270	90
15	GwBorev15	11.0					0	2.05	90	90
16	GwBorev16	11.0					0	2.05	270	90
17	GwBorev17	10.5					0	2.05	90	90
18	GwBorev18	10.5					0	2.05	270	90
19	GwBorev19	10.0					0	2.05	90	90
20	GwBorev20	10.0					0	2.05	270	90

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole 794.28
 Casing Elevation: 645 at AMSL (0.2 m Above 6)
 Azimuth of X-Axis 90° = EAST
 Azimuth of Y-Axis 0° = North

Reference Phone: Offset
794.28
 Azimuth 6
 Elev. 0
 X= 0
 Y= 4.0 m

Channel Configuration:
 Borehole Phone
 V=Channel 1
 R=Channel 2
 T=Channel 3
 Reference Phone
 V=Channel 4
 R=Channel 5
 T=Channel 6

Reference Polarization: Azi.(deg.) Vert.(deg.)
 V 0 0
 R 0 90
 T 270 90

Date: 24 July 94 Location: Glenwood Bridge RDH-3
 High Cut 1000 Low Cut 8 Sample Int. 1000 Z Number of Samples 2500

Shot		Borehole Geophone			Source			Source Polarization	
Rec	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth Vertical
21	64800021	9.5					0	2.05	90 90
22	64800022	9.5					0	2.05	270 90
23	64800023	9.0					0	2.05	90 90
24	64800024	9.0					0	2.05	270 90
25	64800025	8.5					0	2.05	90 90
26	64800026	8.5					0	2.05	270 90
27	64800027	8.0					0	2.05	90 90
28	64800028	8.0					0	2.05	270 90
29	64800029	7.5					0	2.05	90 90
30	64800030	7.5					0	2.05	270 90

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BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole 794.28 Reference Phone: Offset _____
 Casing Elevation: 65 m AMSL (0.2 m above 0') Azimuth _____
 Azimuth of X-Axis 90° = EAST Elev. 6
 Azimuth of Y-Axis 0° = North X= 0
 Y= 4.0 m

Channel Borehole Phone Reference Phone
 Configuration: V=Channel 1 V=Channel 4 Reference Polarization: Azi.(deg.) Vert.(deg.)
 R=Channel 2 R=Channel 0 V 0 0
 T=Channel 3 T=Channel 0 R 0 90
 T 270 90

Date: 24 July 94 Location: Glenwood Bridge RDHA-3
 High Cut 1000 Low Cut 8 Sample Int. 1000 Number of Samples 2500

Shot		Borehole Geophone		Source				Source Polarization	
Rec	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Vertical
31	GwGeo31	7.0					0	2.05	90
32	GwGeo32	7.0					0	2.05	90
33	GwGeo33	6.5					0	2.05	90
34	GwGeo34	6.5					0	2.05	90
35	GwGeo35	6.0					0	2.05	90
36	GwGeo36	6.0					0	2.05	90
37	GwGeo37	5.5					0	2.05	90
38	GwGeo38	5.5					0	2.05	90
39	GwGeo39	5.0					0	2.05	90
40	GwGeo40	5.0					0	2.05	90

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
 Casing Elevation: ~~886~~ 885 m AMSL
 Azimuth of X-Axis $90^\circ = East$
 Azimuth of Y-Axis $0^\circ = North$

794.28
 10.2 m Above \checkmark

Reference Phone: _____
 Azimuth _____
 Elev. \checkmark _____
 X = 0 _____
 Y = 4.0 m _____

Channel	Borehole Phone	Reference Phone	Reference Polarization:	Azi.(deg.)	Vert.(deg.)
Configuration:	V=Channel <u>1</u>	V=Channel <u>4</u>	V	<u>0</u>	<u>0</u>
	R=Channel <u>2</u>	R=Channel <u>5</u>	R	<u>0</u>	<u>90</u>
	T=Channel <u>3</u>	T=Channel <u>6</u>	T	<u>270</u>	<u>90</u>

Date: 24 July 94 Location: Glenwood Bridge RDHA-3
 High Cut 1000 Low Cut 8 Sample Int. 002 Number of Samples 2500 T 270

Shot			Borehole Geophone		Source					Source Polarization	
Rec	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical	
41	GWB00100A1	4.5					0	2.05	90	90	
42	GWB00100A2	4.5					0	2.05	270	90	
43	GWB00100A3	4.0					0	2.05	90	90	
44	GWB00100A4	4.0					0	2.05	270	90	
45	GWB00100A5	3.5					0	2.05	90	90	
46	GWB00100A6	3.5					0	2.05	270	90	
47	GWB00100A7	3.0					0	2.05	90	90	
48	GWB00100A8	3.0					0	2.05	270	90	
49	GWB00100A9	2.5					0	2.05	90	90	
50	GWB00100A50	2.5					0	2.05	270	90	

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BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole 794.28
 Casing Elevation: 8.2m AMSL (0.2m Above 4)
 Azimuth of X-Axis 90° = EAST
 Azimuth of Y-Axis 0° = North

Reference Phone: 794.28
 Offset: 0
 Azimuth: 0
 Elev.: 0
 X= 0
 Y= 4.0m

Channel Configuration:
 Borehole Phone
 V=Channel 1
 R=Channel 2
 T=Channel 3

Reference Polarization:
 V=Channel 4
 R=Channel 5
 T=Channel 6

Date: 24 July 94 Location: Glenwood Bridge RDHA-3
 High Cut 1000 Low Cut 8 Sample Int. .0002 Number of Samples 2500

Shot		Borehole Geophone			Source			Source Polarization	
Rec	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Vertical
51	GWB0051	2.0					0	2.05	90
52	GWB0052	2.0					0	2.05	270
53	GWB0053	1.5					0	2.05	90
54	GWB0054	1.5					0	2.05	270
55	GWB0055	1.0					0	2.05	90
56	GWB0056	1.0					0	2.05	270
57	GWB0057	0.5					0	2.05	90
58	GWB0058	0.5					0	2.05	270
59	GWB0059	0.0					0	2.05	90
60	GWB0060	0.0					0	2.05	270

$R=90^\circ$
 out of hole
 (Ref)