DOWN HOLE GEOPHONE FIELD CHECKLIST

water table at 4.30m
15.3m T/D +1.10
5.4m to

DATE: 21 Apr 95
ODOMETER START: LV mG 10:03 | 126.7 miles FINISH: 139.9m (13:41)

ITEMS AT GEOSCIENCES

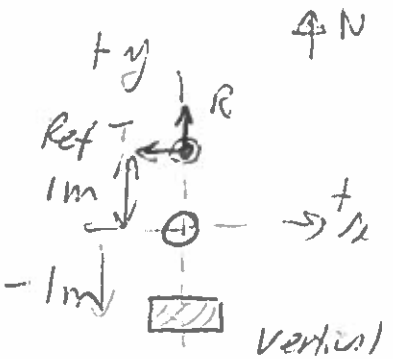
ITEM	OUT	IN	COMMENT
SWC TOOL	✓		
REF PHONE AND CABLES	✓		
BISON	✓		
TAPE MEASURE (50M)	✓		
PULLEY AND WINCH ASSEM.	✓		
DUMMY SWC TOOL	✓		
SLEDGE HAMMER	✓		
COMPASS			
ROCK HAMMER	✓		
ROPE	✓		
WD-40	✓		
OBSERVER SHEETS/ MAPS	✓		
GAS CARD/ KEYS	✓		
GLOVES			

ITEMS AT LINCOLN STREET

ITEM	OUT	IN	COMMENT
BISON CABLE BOX	✓	X	
BISON TOOL BOX	✓	X	
TOOL BOX	✓	X	
TRIGGER CORD	✓	X	
TRIPOD HEAD	✓	X	
BATTERIES (2)	✓		
LOCATED IN GARAGE			
TRIPOD LEGS	✓	III	
~~RAIL ROAD TIE~~			
SHOVEL	✓	X	
PICK	✓	X	
2 FT IRON ROD	✓	—	
SAND BAGS	✓	VU	

6 meters
Concrete

BSU GEOPHYSICS VSP OBSERVER'S LOG



Coordinate System Origin at Borehole
Casing Elevation: Unknown +0.2m above ℄
Azimuth of X-Axis _____
Azimuth of Y-Axis _____

Reference Phone: Offset 1m
Azimuth North
Elev. CE - 0.2m
X= _____
Y= _____

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

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

Date: 21 April 95 Location: Franklin Rd Overpass
High Cut 1000 Hz Low Cut 5 HZ Sample Int. .00020 Number of Samples 2500

Shot		Borehole Geophone		Source (CE - 0.2)					Source Polarization	
Rec	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
1	FRK0001	15.5	0	-1m	0	0			0	180
2	FRK0002	15.5	(CE - .37 - depth)							
3		13.0								
4		14.5								
5		14.0								
6		13.5								
7		13.0								
8		12.5								
9		12.0								
10		11.5								

Filter TEST
← 128 - 1000 Hz
8 Hz - 1000 Hz

Add +0.37m to depth to ref. to clamp

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
Casing Elevation: Unknown
Azimuth of X-Axis
Azimuth of Y-Axis

Reference Phone: Offset 1 m
Azimuth North
Elev.
X=
Y=

Channel Configuration:

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

Reference Polarization:

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

Date: 21 APR 95 Location: Franklin Rd. Overpass
High Cut 1000 Hz Low Cut 8 Hz Sample Int. .00020 Number of Samples 2500

Shot		Borehole Geophone		Source					Source Polarization	
Rec	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
11	FRK00001	11.0	0	-1 m	0	0			0	180
12		10.5								
13		10.0								
14		9.5								
15		9.0								
16		8.5								
17		8.0								
18		7.5								
19		7.0								
20		6.5	↓	↓	↓	↓			↓	↓

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
Casing Elevation: unknown
Azimuth of X-Axis
Azimuth of Y-Axis

Reference Phone: Offset 1 m
Azimuth North
Elev.
X=
Y=

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

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

Date: 21 APR 95 Location: Franklin Rd. Overpass.
High Cut 1000 Hz Low Cut 8 Hz Sample Int. .00020 Number of Samples 2500

Shot		Borehole Geophone		Source					Source Polarization	
Rec	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
21	FRK00021	6.0	0	-1m	0	0			0	180
22		5.5								
23		5.0								
11:50 24		4.5								
25		4.0								
26		3.5								
27		3.0								
11:55 28		2.5								
29		2.0								
30		1.5	↓	↓	↓	↓			↓	↓

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
Casing Elevation: unknown
Azimuth of X-Axis
Azimuth of Y-Axis

Reference Phone: Offset 1 m
Azimuth North
Elev.
X=
Y=

Channel Configuration:

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

Reference Polarization:

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

Date: 21 APR 95 Location: Franklin Rd. Overpass.
High Cut 1000 Hz Low Cut 8 Hz / 100 Hz Sample Int. .00020 Number of Samples 2500

Shot		Borehole Geophone		Source					Source Polarization	
Rec	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
31	FRK00031	1.0	0	-1m	0	0			0	180
32		0.5								
33		0.0								
34	FRK00034	15.5								
35		15.0								
36		14.5								
37		14.0								
38		13.5								
39		13.0								

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
Casing Elevation:_____
Azimuth of X-Axis_____
Azimuth of Y-Axis_____

Reference Phone: Offset 1 m
Azimuth North
Elev._____
X=_____
Y=_____

Channel Configuration:

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

Reference Polarization:

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

Date: 21 APRIL 95 Location: Franklin Rd. Overpass
High Cut 1000 Hz Low Cut 100 Hz Sample Int. .00020 Number of Samples 2500

Shot		Borehole Geophone		Source					Source Polarization	
Rec	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
40	FRK00040	12.5	0	-1m	0	0			0	180
41		12.0	↓	↓	↓	↓			↓	↓
42		11.5								
43		11.0								
44		10.5								
45		10.0								
46		9.5								
47		9.0								
48		8.5								
49		8.0	↓	↓	↓	↓			↓	↓

16-stack

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
Casing Elevation: unknown
Azimuth of X-Axis
Azimuth of Y-Axis

Reference Phone: Offset 1m
Azimuth North
Elev.
X=
Y=

Channel Configuration:

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

Reference Polarization:

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

Date: 21 APR 95 Location: Franklin Rd. Overpass
High Cut 1000 Hz Low Cut 100 Hz Sample Int. .00020 Number of Samples 2500

Shot		Borehole Geophone		Source					Source Polarization	
Rec	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
50	FRK00050	7.5	0	-1m	0	0			0	180
51		7.0	↓	↓	↓	↓			↓	↓
52		6.5	↓	↓	↓	↓			↓	↓
53		6.0	↓	↓	↓	↓			↓	↓
54		5.5	↓	↓	↓	↓			↓	↓
55		5.0	↓	↓	↓	↓			↓	↓
56		4.5	↓	↓	↓	↓			↓	↓
57		4.0	↓	↓	↓	↓			↓	↓
58		3.5	↓	↓	↓	↓			↓	↓
59		3.0	↓	↓	↓	↓			↓	↓

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
Casing Elevation: unknown
Azimuth of X-Axis
Azimuth of Y-Axis

Reference Phone: Offset 1 m
Azimuth North
Elev.
X=
Y=

Channel Configuration:

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

Reference Polarization:

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

Date: 21 APR 95 Location: Franklin Rd. Overpass
High Cut 1000 Hz Low Cut 100 Hz Sample Int. .00020 Number of Samples 2500

Shot		Borehole Geophone		Source					Source Polarization	
Rec	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
60	FRK00060	2.5	0	-1 m	0	0			0	180
61		2.0	↓	↓	↓	↓			↓	↓
62		1.5								
63		1.0								
64		0.5								
65		0	↓	↓	↓	↓			↓	↓