

VSP Preliminary Data Sheet

Date: 7 JUL 98 Type of Phones 0/0

1. Well Name BS (URISP)

2. Location of Well

X= 9996.8427 Y= 9998.212 Z= 850.1129

Casing Elevation: 850.1129

3. Depth to top of water table (measured from CE) (7.21 ft) ± .005

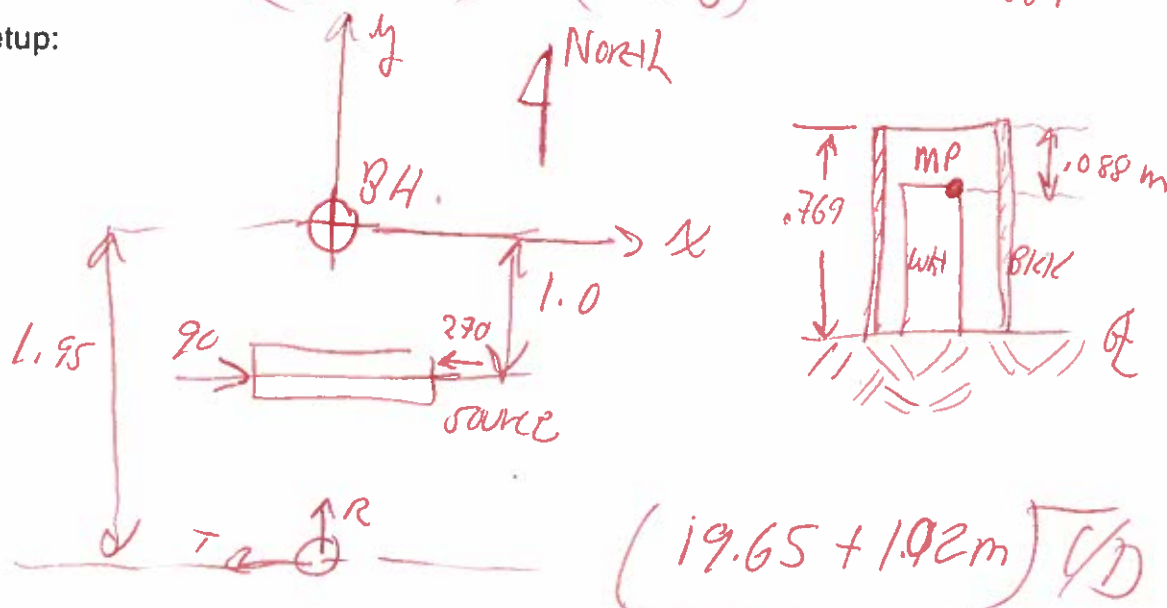
4. Casing Elevation, distance above ground level= (.681 m)

5. Reference phone offset from borehole= (0, -1.95) (X, Y)

6. Reference phone depth below ground level= 0

7. Source Offset from borehole= (0, -1.0) (X, Y)

8. Sketch of setup:



(19.65 + 1.92m) T/D
20.57 T/D

9. Blue Box switch settings:

Channel	Component
<u>1</u>	Vertical
<u>2</u>	Longitudinal (radial)
<u>3</u>	Transverse

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole

Casing Elevation: 0.681 m above G.L.

Azimuth x-axis: 90

Azimuth y-axis: 0

Well Coord: X = 9996.8427

Channel Configuration: V=Channel 1

R=Channel 2

T=Channel 3

Reference Phone: (CE = MP7)

Azimuth

Elev. 0 m

X = -1.95 m

Y = -1.95 m

Ref. Polarization: V 0

R 0

T 270

1.0 m below G.L.

1.95 m

0 m

0 m

0 m

0 m

0 m

0 m

Date: 7 JUL 98

High-Cut 1000

Location: B5 (VRS)

Low-Cut 4

Sample Int. .0002

Number Samples 2500

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y (m)	Azimuth	Vertical
WLS0001	1	20.25					0	-1.0	270	135
	2	20.25							90	135
	3	20.0							270	
	4	20.0							90	
	5	19.75							270	
	6	19.75							90	
	7	19.50							270	
	8	19.50							90	
	9	19.25							270	
	10	19.25							90	

10:25 AM = 847.915 m elev

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
 Casing Elevation: 681 m above G.L.
 Azimuth x-axis: 90
 Azimuth y-axis: 0
 Well Coord: X= 9996.8427 Y= 9998.2124 Z= 850.1129
 Channel Configuration: V=Channel 1 R=Channel 2 T=Channel 3
 Reference Phone V=Channel 4 R=Channel 5 T=Channel 6
 Reference Polarization: V 0 R 0 T 270
 Ref. Polarization: Az 0 Vert. 0
 Reference Phone: Offset: 0 m
 Azimuth 0 m below G.L.
 Elev. 0 m
 X= 0 m
 Y= -1.95 m

Date: 7 JUL 98 Location: B5 (URISP) Number Samples 2500
 High-Cut 1000 Low-Cut 4 Sample Int. .0002

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	<u>11</u>	<u>19.0</u>					<u>0</u>	<u>-1.0</u>	<u>270</u>	<u>135</u>
	<u>12</u>	<u>19.0</u>							<u>90</u>	<u>135</u>
	<u>13</u>	<u>18.75</u>							<u>270</u>	
	<u>14</u>	<u>18.75</u>							<u>90</u>	
	<u>15</u>	<u>18.50</u>							<u>270</u>	
	<u>16</u>	<u>18.50</u>							<u>90</u>	
	<u>17</u>	<u>18.25</u>							<u>270</u>	
	<u>18</u>	<u>18.25</u>							<u>90</u>	
	<u>19</u>	<u>18.0</u>							<u>270</u>	
	<u>20</u>	<u>18.0</u>							<u>90</u>	

10:30

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
 Casing Elevation: 90.61 m above G.L.
 Azimuth x-axis: 90
 Azimuth y-axis: 0
 Well Coord: X= 9996.2427 Y= 9998.2124 Z= 850.1129
 Channel Configuration: Borehole Phone Reference Phone
 V=Channel 1 V=Channel 4 Az 0
 R=Channel 2 R=Channel 5 R 0
 T=Channel 3 T=Channel 6 T 270
 Ref. Polarization: V 0 Az 0
 X= 0 m below G.L.
 Y= -1.91 m

Date: 7 JUL 98 Location: B5 (URISP) Number Samples 2500
 High-Cut 1000 Low-Cut 4 Sample Int. .0002

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	21	17.75					0	-1.0	270	135
	22	17.75							90	135
	23	17.50							270	
	24	17.50							90	
	25	17.25							270	
	26	17.25							90	
	27	17.0							270	
	28	17.0							90	
	29	16.75							270	
	30	16.75							90	

10:42

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
 Casing Elevation: 681 m above G.L.
 Azimuth x-axis: 90
 Azimuth y-axis: 0
 Well Coord: X = 9996.8427 Y = 9998.2124 Z = 850.1129
 Channel Configuration: Borehole Phone V=Channel 1 R=Channel 2 T=Channel 3
 Reference Phone V=Channel 4 R=Channel 5 T=Channel 6
 Ref. Polarization: Az 0 V 0 R 0 T 270
 Vert. 0 90 90

Date: 7 JUL 98 Location: B5 (URISP) Number Samples 2500
 High-Cut 1000 Low-Cut 4 Sample Int. .0002

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	<u>31</u>	<u>16.50</u>					<u>0</u>	<u>-1.0</u>	<u>270</u>	<u>135</u>
	<u>32</u>	<u>16.50</u>					<u>1</u>	<u>1</u>	<u>90</u>	<u>135</u>
	<u>33</u>	<u>16.25</u>					<u>1</u>	<u>1</u>	<u>270</u>	<u>1</u>
	<u>34</u>	<u>16.25</u>					<u>1</u>	<u>1</u>	<u>90</u>	<u>1</u>
	<u>35</u>	<u>16.0</u>					<u>1</u>	<u>1</u>	<u>270</u>	<u>1</u>
	<u>36</u>	<u>16.0</u>					<u>1</u>	<u>1</u>	<u>90</u>	<u>1</u>
	<u>37</u>	<u>15.75</u>					<u>1</u>	<u>1</u>	<u>270</u>	<u>1</u>
	<u>38</u>	<u>15.75</u>					<u>1</u>	<u>1</u>	<u>90</u>	<u>1</u>
	<u>39</u>	<u>15.50</u>					<u>1</u>	<u>1</u>	<u>270</u>	<u>1</u>
	<u>40</u>	<u>15.50</u>					<u>1</u>	<u>1</u>	<u>90</u>	<u>1</u>

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
 Casing Elevation: 1681 m above G.L.
 Azimuth x-axis: 90
 Azimuth y-axis: 0
 Well Coord: X = 9996.3427 Y = 9998.2124 Z = 850.1129
 Channel Configuration: Borehole Phone V=Channel 1 Reference Phone V=Channel 4 Az 0 Vert. 0
 R=Channel 2 R=Channel 5 R 0 90
 T=Channel 3 T=Channel 6 T 270 90

Date: 7 JUL 98 Location: B5 (WISF) Number Samples 2500
 High-Cut 1000 Low-Cut 4 Sample Int. .0002

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	<u>41</u>	<u>15.25</u>					<u>0</u>	<u>-100</u>	<u>270</u>	<u>135</u>
	<u>42</u>	<u>15.25</u>							<u>90</u>	<u>135</u>
	<u>43</u>	<u>15.0</u>							<u>270</u>	
	<u>44</u>	<u>15.0</u>							<u>90</u>	
	<u>45</u>	<u>14.75</u>							<u>270</u>	
	<u>46</u>	<u>14.75</u>							<u>90</u>	
	<u>47</u>	<u>14.50</u>							<u>270</u>	
	<u>48</u>	<u>14.50</u>							<u>90</u>	
	<u>49</u>	<u>14.25</u>							<u>270</u>	
	<u>50</u>	<u>14.25</u>							<u>90</u>	

10:55 AM

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
 Casing Elevation: 581 m above G.L.
 Azimuth x-axis: 90
 Azimuth y-axis: 0
 Well Coord: X= 9996.3427 Y= 9998.2124 Z= 850.1129
 Channel Configuration: Borehole Phone
 V=Channel 1 Reference Phone
 R=Channel 2 V=Channel 4
 T=Channel 3 R=Channel 5
 T=Channel 6
 Ref. Polarization: Az 0 Vert. 0
 V 0
 R 90
 T 90

Date: 7 JUL 98 Location: B5 (WISP) Number Samples 2500
 High-Cut 1000 Low-Cut 4 Sample Int. .0002

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	51	14.0					0	-1.0	270	135
	52	14.0							90	135
	53	13.75							270	
	54	13.75							90	
	55	13.50							270	
	56	13.50							90	
	57	13.25							270	
	58	13.25							90	
	59	13.0							270	
	60	13.0							90	

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
 Casing Elevation: -681 m above G.L.
 Azimuth x-axis: 90
 Azimuth y-axis: 0
 Well Coord: X= 9996.3427 Y= 9998.2124 Z= 850.1129
 Channel Configuration: Borehole Phone Reference Phone
 V=Channel 1 V=Channel 4
 R=Channel 2 R=Channel 5
 T=Channel 3 T=Channel 6
 Ref. Polarization: Az Vert.
 V 0 0
 R 0 90
 T 270 90

Date: 7 JUL 98 Location: B5 (URISP) Number Samples 2500
 High-Cut 1000 Low-Cut 4 Sample Int. .0002

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	<u>61</u>	<u>12.75</u>					<u>0</u>	<u>-1.0</u>	<u>270</u>	<u>135</u>
	<u>62</u>	<u>12.75</u>							<u>90</u>	<u>135</u>
	<u>63</u>	<u>12.50</u>							<u>270</u>	
	<u>64</u>	<u>12.50</u>							<u>90</u>	
	<u>65</u>	<u>12.25</u>							<u>270</u>	
	<u>66</u>	<u>12.25</u>							<u>90</u>	
	<u>67</u>	<u>12.0</u>							<u>270</u>	
	<u>68</u>	<u>12.0</u>							<u>90</u>	
	<u>69</u>	<u>11.75</u>							<u>270</u>	
	<u>70</u>	<u>11.75</u>							<u>90</u>	<u>N</u>

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
 Casing Elevation: 681 m above G.L.
 Azimuth x-axis: 90
 Azimuth y-axis: 0
 Well Coord: X= 9996.3427 Y= 9998.2124 Z= 850.1129
 Channel Configuration: Borehole Phone Reference Phone
 V=Channel 1 V=Channel 4
 R=Channel 2 R=Channel 5
 T=Channel 3 T=Channel 6
 Ref. Polarization: Az 0 Vert. 0
 V 0
 R 0
 T 270
 X= 0 m
 Y= -1.95 m
 Azimuth m below G.L.
 Elev. m
 Offset: m

Date: 7 JUL 98 Location: B5 (WISF) Number Samples 2500
 High-Cut 1000 Low-Cut 4 Sample Int. .0002

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	<u>71</u>	<u>11.50</u>					<u>0</u>	<u>-1.0</u>	<u>270</u>	<u>135</u>
	<u>72</u>	<u>11.50</u>							<u>90</u>	<u>135</u>
	<u>73</u>	<u>11.25</u>							<u>270</u>	
	<u>74</u>	<u>11.25</u>							<u>90</u>	
	<u>75</u>	<u>11.0</u>							<u>270</u>	
	<u>76</u>	<u>11.0</u>							<u>90</u>	
	<u>77</u>	<u>10.75</u>							<u>270</u>	
	<u>78</u>	<u>10.75</u>							<u>90</u>	
	<u>79</u>	<u>10.50</u>							<u>270</u>	
	<u>80</u>	<u>10.50</u>							<u>90</u>	

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole

Casing Elevation: 601 m above G.L.

Reference Phone: Offset: m

Azimuth x-axis: 90

(CE = MP)

Azimuth m below G.L.

Azimuth y-axis: 0

X = 0 m

Well Coord: X = 9996.8427

Y = -1.95 m

Channel

Reference Phone

Vert. 0

Configuration:

V=Channel 1

V=Channel 4

Ref. Polarization: V 0

R=Channel 2

R=Channel 5

R 0

T=Channel 3

T=Channel 6

T 270

Date: 7 JUL 98

Location: B5 (WISP)

High-Cut 1000

Low-Cut 4 Sample Int. .0002

Number Samples 2500

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	81	10.25					0	-1.0	270	135
	82	10.25					1	1	90	135
	83	10.0					1	1	270	
	84	10.0					1	1	90	
	85	9.75					1	1	270	
	86	9.75					1	1	90	
	87	9.50					1	1	270	
	88	9.50					1	1	90	
	89	9.25					1	1	270	
	90	9.25					1	1	90	

11:22

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
 Casing Elevation: 96 m above G.L.
 Azimuth x-axis: 90
 Azimuth y-axis: 0
 Well Coord: X = 9996.3427 Y = 9998.2124 Z = 850.1129
 Channel Configuration: Borehole Phone V=Channel 1 R=Channel 2 T=Channel 3
 Reference Phone V=Channel 4 R=Channel 5 T=Channel 6
 Ref. Polarization: Az 0 V 0 R 0 T 270
 X = 0 m Y = -1.95 m

Date: 7 JUL 98 Location: B5 (URISP) Number Samples 2500
 High-Cut 1000 Low-Cut 4 Sample Int. .0002

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	<u>91</u>	<u>9.0</u>					<u>0</u>	<u>-1.0</u>	<u>270</u>	<u>135</u>
	<u>92</u>	<u>9.0</u>					<u>1</u>	<u>1</u>	<u>90</u>	<u>135</u>
	<u>93</u>	<u>8.75</u>					<u>1</u>	<u>1</u>	<u>270</u>	<u>1</u>
	<u>94</u>	<u>8.75</u>					<u>1</u>	<u>1</u>	<u>90</u>	<u>1</u>
	<u>95</u>	<u>8.50</u>					<u>1</u>	<u>1</u>	<u>270</u>	<u>1</u>
	<u>96</u>	<u>8.50</u>					<u>1</u>	<u>1</u>	<u>90</u>	<u>1</u>
	<u>97</u>	<u>8.25</u>					<u>1</u>	<u>1</u>	<u>270</u>	<u>1</u>
	<u>98</u>	<u>8.25</u>					<u>1</u>	<u>1</u>	<u>90</u>	<u>1</u>
	<u>99</u>	<u>8.0</u>					<u>1</u>	<u>1</u>	<u>270</u>	<u>1</u>
	<u>100</u>	<u>8.0</u>					<u>1</u>	<u>1</u>	<u>90</u>	<u>1</u>

11:25

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
 Casing Elevation: 681 m above G.L.
 Azimuth x-axis: 90
 Azimuth y-axis: 0
 Well Coord: X = 9996.3427 Y = 9998.2124 Z = 850.1129
 Channel Configuration: Borehole Phone V=Channel 1 R=Channel 2 T=Channel 3
 Reference Phone V=Channel 4 R=Channel 5 T=Channel 6
 Ref. Polarization: Az 0 V 0 R 0 T 270
 Offset: 0 m
 Azimuth 0 m
 Elev. 0 m below G.L.
 X = 0 m
 Y = -1.95 m

Date: 7 JUL 98 Location: B5 (URISF) Number Samples 2500
 High-Cut 1000 Low-Cut 4 Sample Int. .0002

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	<u>101</u>	<u>7.75</u>					<u>0</u>	<u>-1.0</u>	<u>270</u>	<u>135</u>
	<u>102</u>	<u>7.75</u>							<u>90</u>	<u>135</u>
	<u>103</u>	<u>7.50</u>							<u>270</u>	
	<u>104</u>	<u>7.50</u>							<u>90</u>	
	<u>105</u>	<u>7.25</u>							<u>270</u>	
	<u>106</u>	<u>7.25</u>							<u>90</u>	
	<u>107</u>	<u>7.0</u>							<u>270</u>	
	<u>108</u>	<u>7.0</u>							<u>90</u>	
	<u>109</u>	<u>6.75</u>							<u>270</u>	
	<u>110</u>	<u>6.75</u>							<u>90</u>	<u>N</u>

11:23

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole

Casing Elevation: -681 m above G.L.

Reference Phone: Offset: m

Azimuth x-axis: 70 (CE = WP) Azimuth m below G.L.

Azimuth y-axis: 0 Elev. m

Well Coord: X = 9996.8427 Y = 9998.2124 Z = 850.1129

Channel Borehole Phone Reference Phone Az Vert.

Configuration: V=Channel 1 V=Channel 4 V 0 0

R=Channel 2 R=Channel 5 R 0 90

T=Channel 3 T=Channel 6 T 270 90

Date: 7 JUL 98 Location: B5 (WISF) Number Samples 2500

High-Cut 1000 Low-Cut 4 Sample Int. .0002

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	<u>111</u>	<u>6.50</u>					<u>0</u>	<u>-1.0</u>	<u>270</u>	<u>135</u>
	<u>112</u>	<u>6.50</u>							<u>90</u>	<u>135</u>
	<u>113</u>	<u>6.25</u>							<u>270</u>	
	<u>114</u>	<u>6.25</u>							<u>90</u>	
	<u>115</u>	<u>6.0</u>							<u>270</u>	
	<u>116</u>	<u>6.0</u>							<u>90</u>	
	<u>117</u>	<u>5.75</u>							<u>270</u>	
	<u>118</u>	<u>5.75</u>							<u>90</u>	
	<u>119</u>	<u>5.50</u>							<u>270</u>	
	<u>120</u>	<u>5.50</u>							<u>90</u>	

11:46

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
 Casing Elevation: -681 m above G.L.
 Azimuth x-axis: 90
 Azimuth y-axis: 9996.2427
 Well Coord: X = 9996.2427 Y = 9998.2124 Z = 850.1129
 Channel Configuration: Borehole Phone
 V=Channel 1
 R=Channel 2
 T=Channel 3
 Reference Phone
 V=Channel 4
 R=Channel 5
 T=Channel 6
 Ref. Polarization: Az 0
 V 0
 R 0
 T 270
 Vert. 0
 Reference Phone: Offset: m
 Azimuth m below G.L.
 Elev. 0 m
 X = -1.95 m
 Y = m

Date: 7 JUL 98 Location: B5 (WISP) Number Samples 2500
 High-Cut 1000 Low-Cut 4 Sample Int. .0002

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	121	5.25					0	-1.0	270	135
	122	5.25							90	135
	123	5.0							270	
	124	5.0							90	
	125	4.75							270	
	126	4.75							90	
	127	4.50							270	
	128	4.50							90	
	129	4.25							270	
	130	4.25							90	

11:45

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole

Casing Elevation: 681 m above G.L.

Reference Phone: Offset: m

Azimuth x-axis: 90 Azimuth m below G.L.

(CE = WP)

Azimuth y-axis: 0

Well Coord: X = 9996.3427 Y = 9998.2124 Z = 850.1129

Channel Borehole Phone

V=Channel 1

R=Channel 2

T=Channel 3

Reference Phone

V=Channel 4

R=Channel 5

T=Channel 6

Ref. Polarization:

V 0

R 0

T 270

Vert.

0

90

90

Date: 7 JUL 98

Location: B5 (WISP)

High-Cut 1000

Low-Cut 4

Sample Int. .0002

Number Samples 2500

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	131	4.0					0	-1.0	270	135
	132	4.0							90	135
	133	3.75							270	
	134	3.75							90	
	135	3.50							270	
	136	3.50							90	
	137	3.25							270	
	138	3.25							90	
	139	3.0							270	
	140	3.0							90	

11:51

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
 Casing Elevation: -681 m above G.L.
 Azimuth x-axis: 90
 Azimuth y-axis: 0
 Well Coord: X = 9996.8427 Y = 9998.2124 Z = 850.1129
 Channel Configuration: Borehole Phone V=Channel 1 R=Channel 2 T=Channel 3
 Reference Phone V=Channel 4 R=Channel 5 T=Channel 6
 Ref. Polarization: Az 0 V 0 R 0 T 270
 Date: 7 JUL 98 Location: B5 (URISP)
 High-Cut 1000 Low-Cut 4 Sample Int. .0002 Number Samples 2500

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	141	2.75					0	-1.0	270	135
	142	2.75							90	135
	143	2.50							270	
	144	2.50							90	
	145	2.25							270	
	146	2.25							90	
	147	2.0							270	
	148	2.0							90	
	149	1.75							270	
	150	1.75							90	

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
 Casing Elevation: 681 m above G.L.
 Azimuth x-axis: 98
 Azimuth y-axis: 0
 Well Coord: X = 9996.2427 Y = 9998.2124 Z = 850.1129
 Channel Configuration: Borehole Phone V=Channel 1 R=Channel 2 T=Channel 3
 Reference Phone V=Channel 4 R=Channel 5 T=Channel 6
 Ref. Polarization: Az 0 V 0 R 0 T 270
 Vert. 0
 Offset: 0 m
 Azimuth 0 m below G.L.
 Elev. 0 m
 X = 0 m
 Y = -1.95 m

Date: 7 JUL 98 Location: B5 (URSP) Number Samples 2500
 High-Cut 1000 Low-Cut 4 Sample Int. .0002

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	<u>151</u>	<u>1.50</u>					<u>0</u>	<u>-1.0</u>	<u>270</u>	<u>135</u>
	<u>152</u>	<u>1.50</u>							<u>90</u>	<u>135</u>
	<u>153</u>	<u>1.25</u>							<u>270</u>	
	<u>154</u>	<u>1.25</u>							<u>90</u>	
	<u>155</u>	<u>1.0</u>							<u>270</u>	
	<u>156</u>	<u>1.0</u>							<u>90</u>	
	<u>///</u>	<u>///</u>								

N 260° E
Bas. Sp. 13

VSP Check List
Project: B5 well

9:25 at B5 well

Date: 7 JULY 98

Odometer Start: 14805.7 Finish: 14823.8
Time Out: _____ Time In: _____

Item	Out	In	Comment
BHG-2 Borehole Geophone			
BHGC-1 Control Box (Blue)			
Cable: Spool to BHGC-1			
Cable: BHGC-1 to Bison			
Ban/Alligator Power Cables BHGC-1			
OYO 3-c Reference Phone (Blue)			
Dummy tool			
Snatch Block and Come-a-long			
Bison Seismograph			
90° Hammer Source			
Tripod , head and 3 poles			
135° Hammer Source			
WD-40 and Black Tape			
Observer's Sheets/Note Book			
Rope			
Claw Hammer and Large Nails			
Tape measure (50m)			
Gloves			
Compass and Maps			
24Volt Clamp Battery			
Gas Card & Keys			
Water Table Logging Probe			