

VSP Preliminary Data Sheet

Date: 10 July 98 Type of Phones OYO 14N2

1. Well Name B6 UR15P

2. Location of Well

x= 9997.65702 y= 10001.5833 z= 850.21448

Casing Elevation: 850.21448

??

8.045 + water to PC

3. Depth to top of water table (measured from CE) (1.45 + 1.02m) = 2.470m

4. Casing Elevation, distance above ground level= .68

.75

.107

5. Reference phone offset from borehole= 1.72m south

.68

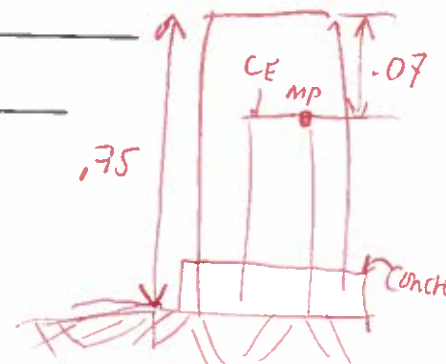
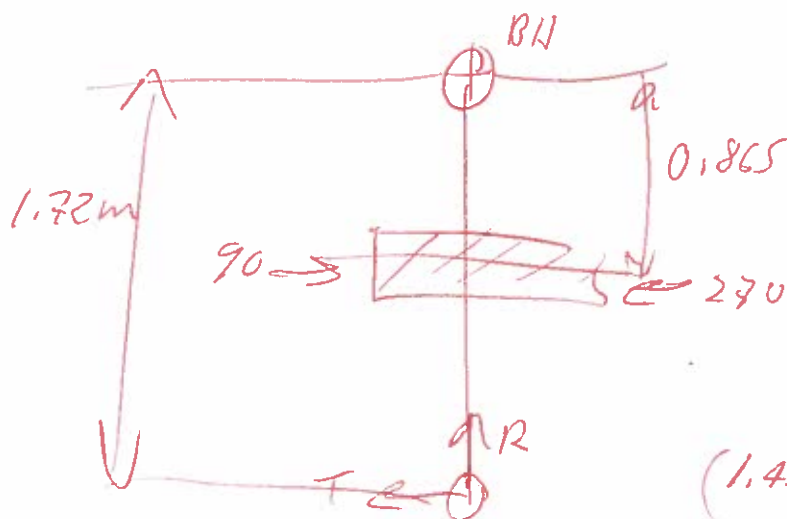
6. Reference phone depth below ground level= 0

7. Source Offset from borehole= 0.865

8. Sketch of setup:

4N

.75



804 ft.

(1.45 + 1.12m) H₂O

(14.598 + 1.02m) = T/D

20.61m 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: 90° 68 m above G.L.

Azimuth x-axis: 90°

Azimuth y-axis: 0°

Well Coord: X = 9997.65702 Y = 10001.5833 Z = 850.21448

Channel

Configuration: Borehole Phone

V=Channel 1

R=Channel 2

T=Channel 3

Location: B6 URISP

Low-Cut 4 Hz

Sample Int. .0002

Number Samples 2500

Reference Phone: Offset: m

Azimuth

Elev. 0 m below G.L.

X = 0 m

Y = -1.72 m

Ref. Polarization: V 0

R 0

T 270

Vert. 0

90

90

Date: 10 July 98

High-Cut 1000 Hz

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	<u>11</u>	<u>18.75</u>					<u>0</u>	<u>-865</u>	<u>270</u>	<u>135</u>
	<u>12</u>	<u>18.75</u>							<u>90</u>	<u>135</u>
	<u>13</u>	<u>18.50</u>							<u>270</u>	<u>1</u>
	<u>14</u>	<u>18.50</u>							<u>90</u>	
	<u>15</u>	<u>18.25</u>							<u>270</u>	
	<u>16</u>	<u>18.25</u>							<u>90</u>	
	<u>17</u>	<u>18.0</u>							<u>270</u>	
	<u>18</u>	<u>18.0</u>							<u>90</u>	
	<u>19</u>	<u>17.75</u>							<u>270</u>	
	<u>20</u>	<u>17.75</u>							<u>90</u>	<u>↓</u>

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole

Casing Elevation: 68 m above G.L.

Azimuth x-axis: 90°

Azimuth y-axis: 0°

Well Coord: X = 9997.65702 Y = 10001.5833 Z = 850.21448

Channel Configuration:

Borehole Phone

V=Channel 1

R=Channel 2

T=Channel 3

Date: 10 July 98

High-Cut 1000 Hz

Low-Cut 4 Hz

Location: B6

Sample Int. .0002

Number Samples 2500

Reference Phone: Offset: m

Azimuth

Elev. 0 m below G.L.

X = 0 m

Y = -1.72 m

Ref. Polarization:

V

R

T

Az

0

0

270

Vert.

0

90

90

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	<u>21</u>	<u>17.50</u>					<u>0</u>	<u>-865</u>	<u>270</u>	<u>135</u>
	<u>22</u>	<u>17.50</u>					<u>1</u>	<u>1</u>	<u>90</u>	<u>135</u>
	<u>23</u>	<u>17.25</u>					<u>1</u>	<u>1</u>	<u>270</u>	<u>135</u>
	<u>24</u>	<u>17.25</u>					<u>1</u>	<u>1</u>	<u>90</u>	<u>135</u>
	<u>25</u>	<u>17.0</u>					<u>1</u>	<u>1</u>	<u>270</u>	<u>135</u>
	<u>26</u>	<u>17.0</u>					<u>1</u>	<u>1</u>	<u>90</u>	<u>135</u>
	<u>27</u>	<u>16.75</u>					<u>1</u>	<u>1</u>	<u>270</u>	<u>135</u>
	<u>28</u>	<u>16.75</u>					<u>1</u>	<u>1</u>	<u>90</u>	<u>135</u>
	<u>29</u>	<u>16.50</u>					<u>1</u>	<u>1</u>	<u>270</u>	<u>135</u>
	<u>30</u>	<u>16.50</u>					<u>1</u>	<u>1</u>	<u>90</u>	<u>135</u>

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole

Casing Elevation: 68 m above G.L.

Azimuth x-axis: 90°

Azimuth y-axis: 0°

Well Coord: X = 9997.65702 Y = 10001.5833 Z = 850.21948

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

R

T

Vert.

0

90

90

Reference Phone: Offset: m

Azimuth

Elev. 0 m below G.L.

X = 0 m

Y = -1.72 m

Date: 10 July 98

Location: B6

Low-Cut 4 Hz

Sample Int. .0002

Number Samples 2500

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	<u>31</u>	<u>16.25</u>					<u>0</u>	<u>-.865</u>	<u>270</u>	<u>135</u>
	<u>32</u>	<u>16.25</u>							<u>90</u>	<u>135</u>
	<u>33</u>	<u>16.0</u>							<u>270</u>	
	<u>34</u>	<u>16.0</u>							<u>90</u>	
	<u>35</u>	<u>15.75</u>							<u>270</u>	
	<u>36</u>	<u>15.75</u>							<u>90</u>	
	<u>37</u>	<u>15.50</u>							<u>270</u>	
	<u>38</u>	<u>15.50</u>							<u>90</u>	
	<u>39</u>	<u>15.25</u>							<u>270</u>	
	<u>40</u>	<u>15.25</u>							<u>90</u>	<u>N</u>

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
Casing Elevation: 908 m above G.L.

Reference Phone: Offset: 0 m

Azimuth x-axis: 908 m above G.L.

Azimuth

Elev. 0 m below G.L.

Azimuth y-axis: 0°

X = 0 m

Well Coord: X = 9997.65702 Y = 10001.5833 Z = 850.21448

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:

V

R

T

Az

0

0

90

Date: 10 July 98

Location: B6

Low-Cut 4 Hz

Number Samples 2500

Sample Int. .0002

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	<u>41</u>	<u>15.0</u>					<u>0</u>	<u>-865</u>	<u>270</u>	<u>135</u>
	<u>42</u>	<u>15.0</u>							<u>90</u>	<u>135</u>
	<u>43</u>	<u>14.75</u>							<u>270</u>	
	<u>44</u>	<u>14.75</u>							<u>90</u>	
	<u>45</u>	<u>14.50</u>							<u>270</u>	
	<u>46</u>	<u>14.50</u>							<u>90</u>	
	<u>47</u>	<u>14.25</u>							<u>270</u>	
	<u>48</u>	<u>14.25</u>							<u>90</u>	
	<u>49</u>	<u>14.0</u>							<u>270</u>	
	<u>50</u>	<u>14.0</u>					<u>0</u>		<u>90</u>	<u>✓</u>

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole

Casing Elevation: 90° m above G.L.

Azimuth x-axis: 90°

Azimuth y-axis: 0°

Well Coord: X = 9997.65702 Y = 10001.5833 Z = 850.21448

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

R

T

Vert.

0

90

90

Reference Phone: Offset: m

Azimuth

Elev. 0 m below G.L.

X = 0 m

Y = -1.72 m

Date: 10 July 98

Location: B6

Low-Cut 4 Hz

Sample Int. .0002

Number Samples 2500

Shot		Borehole Phone				Source				Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical		
	<u>51</u>	<u>13.75</u>					<u>0</u>	<u>-865</u>	<u>270</u>	<u>135</u>		
	<u>52</u>	<u>13.75</u>							<u>90</u>	<u>135</u>		
	<u>53</u>	<u>13.50</u>							<u>270</u>			
	<u>54</u>	<u>13.50</u>							<u>90</u>			
	<u>55</u>	<u>13.25</u>							<u>270</u>			
	<u>56</u>	<u>13.25</u>							<u>90</u>			
	<u>57</u>	<u>13.0</u>							<u>270</u>			
	<u>58</u>	<u>13.0</u>							<u>90</u>			
	<u>59</u>	<u>12.75</u>							<u>270</u>			
	<u>60</u>	<u>12.75</u>							<u>90</u>			

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole

Casing Elevation: 68 m above G.L.

Azimuth x-axis: 90°

Azimuth y-axis: 0°

Well Coord: X = 9997.65702 Y = 10001.5833 Z = 850.21448

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:

V

R

T

Vert.

0

90

90

Reference Phone: Offset: m

Azimuth

Elev. 0 m below G.L.

X = 0 m

Y = -1.72 m

Date: 10 July 98

Location: B6

Low-Cut 4 Hz

Sample Int. .0002

Number Samples 2500

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	<u>61</u>	<u>12.50</u>					<u>0</u>	<u>- .865</u>	<u>270</u>	<u>135</u>
	<u>62</u>	<u>12.50</u>					<u>9</u>	<u>1</u>	<u>90</u>	<u>135</u>
	<u>63</u>	<u>12.25</u>					<u>1</u>	<u>1</u>	<u>270</u>	<u>1</u>
	<u>64</u>	<u>12.25</u>					<u>1</u>	<u>1</u>	<u>90</u>	<u>1</u>
	<u>65</u>	<u>12.0</u>					<u>1</u>	<u>1</u>	<u>270</u>	<u>1</u>
	<u>66</u>	<u>12.0</u>					<u>1</u>	<u>1</u>	<u>90</u>	<u>1</u>
	<u>67</u>	<u>11.75</u>					<u>1</u>	<u>1</u>	<u>270</u>	<u>1</u>
	<u>68</u>	<u>11.75</u>					<u>1</u>	<u>1</u>	<u>90</u>	<u>1</u>
	<u>69</u>	<u>11.50</u>					<u>1</u>	<u>1</u>	<u>270</u>	<u>1</u>
	<u>70</u>	<u>11.50</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: 90° m above G.L.

Reference Phone: Offset: 0 m

Azimuth x-axis: 90° m above G.L.

Azimuth
Elev. 0 m below G.L.

Azimuth y-axis: 0°

X = 0 m

Well Coord: X = 9997.65702 Y = 10001.5833 Z = 850.21448

Y = -1.72 m

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

V 0

R 0

T 270

Vert. 0

90

90

Date: 10 July 98

Location: B6 URISP

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

Number Samples 2500

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	71	11.25					0	-0.865	270	135
	72	11.25							90	135
	73	11.0							270	
	74	11.0							90	
	75	10.75							270	
	76	10.75							90	
	77	10.50							270	
	78	10.50							90	
	79	10.25							270	
	80	10.25							90	

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
Casing Elevation: -68 m above G.L.

Reference Phone: Offset: 0 m

Azimuth x-axis: 90°

Azimuth

Elev. 0 m below G.L.

Azimuth y-axis: 0°

X = 0 m

Well Coord: X = 9997.65702 Y = 10001.5833 Z = 850.21448

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:

V 0

R 0

T 270

Vert.

0

90

90

Date: 10 July 98

Location: B6

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

Number Samples 2500

Shot		Borehole Phone			Source			Source Polarization			
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical	
	81	10.0					0	-1.865	270	135	
	82	10.0							90	135	
	83	9.75							270		
	84	9.75							90		
	85	9.50							270		
	86	9.50							90		
	87	9.25							270		
	88	9.25							90		
	89	9.0							270		
	90	9.0							90		

10:52

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
Casing Elevation: 90° 68 m above G.L.

Reference Phone: Offset: 0 m

Azimuth x-axis: 0°

Azimuth Elev. 0 m below G.L.

Azimuth y-axis: 0°

X = 0 m

Well Coord: X = 9997.65702 Y = 10001.5833 Z = 850.21448

Y = -1.72 m

Channel Configuration: Borehole Phone
V=Channel 1

Ref. Polarization: Az 0

R=Channel 2

R 0

T=Channel 3

T 270

Date: 10 July 98

Number Samples 2500

High-Cut 1000 Hz

Sample Int. .0002

Location: B6

Low-Cut 4 Hz

Source

Source Polarization

Shot	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	<u>91</u>	<u>8.75</u>					<u>0</u>	<u>-865</u>	<u>270</u>	<u>135</u>
	<u>92</u>	<u>9.15</u>							<u>90</u>	<u>135</u>
	<u>93</u>	<u>8.50</u>							<u>270</u>	
	<u>94</u>	<u>8.50</u>							<u>90</u>	
	<u>95</u>	<u>8.25</u>							<u>270</u>	
	<u>96</u>	<u>8.25</u>							<u>90</u>	
	<u>97</u>	<u>8.0</u>							<u>270</u>	
	<u>98</u>	<u>8.0</u>							<u>90</u>	
	<u>99</u>	<u>7.75</u>							<u>270</u>	
	<u>100</u>	<u>7.75</u>							<u>90</u>	

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
Casing Elevation: 68 m above G.L.

Reference Phone: Offset: m

Azimuth x-axis: 90°

Azimuth

Elev. 0 m below G.L.

Azimuth y-axis: 0°

X = 0 m

Y = -1.72 m

Well Coord: X = 9997.65702 Y = 10001.5833 Z = 850.21448

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: 10 July 98

Location: B6 URISP

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

Number Samples 2500

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	<u>101</u>	<u>7.50</u>					<u>0</u>	<u>-.865</u>	<u>270</u>	<u>135</u>
	<u>102</u>	<u>7.50</u>					<u>1</u>	<u>1</u>	<u>90</u>	<u>135</u>
	<u>103</u>	<u>7.25</u>					<u>1</u>	<u>1</u>	<u>270</u>	<u>1</u>
	<u>104</u>	<u>7.25</u>					<u>1</u>	<u>1</u>	<u>90</u>	<u>1</u>
	<u>105</u>	<u>7.0</u>					<u>1</u>	<u>1</u>	<u>270</u>	<u>1</u>
	<u>106</u>	<u>7.0</u>					<u>1</u>	<u>1</u>	<u>90</u>	<u>1</u>
	<u>107</u>	<u>6.75</u>					<u>1</u>	<u>1</u>	<u>270</u>	<u>1</u>
	<u>108</u>	<u>6.75</u>					<u>1</u>	<u>1</u>	<u>90</u>	<u>1</u>
	<u>109</u>	<u>6.50</u>					<u>1</u>	<u>1</u>	<u>270</u>	<u>1</u>
	<u>110</u>	<u>6.50</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: 58 m above G.L.

Azimuth x-axis: 90°

Azimuth y-axis: 0°

Well Coord: X= 9997.65702 Y= 10001.5833 Z= 850.21448

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

R

T

Vert.

0

90

90

Reference Phone: Offset: m

Azimuth

Elev. 0 m below G.L.

X= 0 m

Y= -142 m

Date: 10 July 98

Location: B6 URSP

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

Number Samples 2500

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	<u>111</u>	<u>6.25</u>					<u>0</u>	<u>-865</u>	<u>270</u>	<u>135</u>
	<u>112</u>	<u>6.25</u>							<u>90</u>	<u>135</u>
	<u>113</u>	<u>6.0</u>							<u>270</u>	
	<u>114</u>	<u>6.0</u>							<u>90</u>	
	<u>115</u>	<u>5.75</u>							<u>270</u>	
	<u>116</u>	<u>5.75</u>							<u>90</u>	
	<u>117</u>	<u>5.50</u>							<u>270</u>	
	<u>118</u>	<u>5.50</u>							<u>90</u>	
	<u>119</u>	<u>5.25</u>							<u>270</u>	
	<u>120</u>	<u>5.25</u>							<u>90</u>	<u>V</u>

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
 Casing Elevation: 1.68 m above G.L.
 Azimuth x-axis: 90°
 Azimuth y-axis: 0°
 Well Coord: X= 9997.65702 Y= 10001.5833 Z= 850.21448
 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 90
 T 90
 Date: 10 July 98 Location: B6 URSP
 High-Cut 1000 Hz Low-Cut 4 Hz Sample Int. .0002 Number Samples 2500

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	<u>121</u>	<u>5.0</u>					<u>0</u>	<u>-865</u>	<u>270</u>	<u>135</u>
	<u>122</u>	<u>5.0</u>					<u>1</u>	<u>1</u>	<u>90</u>	<u>135</u>
	<u>123</u>	<u>4.75</u>					<u>1</u>	<u>1</u>	<u>270</u>	<u>1</u>
	<u>124</u>	<u>4.75</u>					<u>1</u>	<u>1</u>	<u>90</u>	
	<u>125</u>	<u>4.50</u>					<u>1</u>	<u>1</u>	<u>270</u>	
	<u>126</u>	<u>4.50</u>					<u>1</u>	<u>1</u>	<u>90</u>	
	<u>127</u>	<u>4.25</u>					<u>1</u>	<u>1</u>	<u>270</u>	
	<u>128</u>	<u>4.25</u>					<u>1</u>	<u>1</u>	<u>90</u>	
	<u>129</u>	<u>4.0</u>					<u>1</u>	<u>1</u>	<u>270</u>	
	<u>130</u>	<u>4.0</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: 90° 68 m above G.L.

Reference Phone: Offset: m

Azimuth x-axis: 90°

Azimuth 0 m below G.L.

Azimuth y-axis: 0°

X = 0 m

Well Coord: X = 9997.65702 Y = 10001.5833 Z = 850.21448

Channel Configuration: Borehole Phone
V = Channel 1

Ref. Polarization: Az 0

R = Channel 2

R 0

T = Channel 3

T 270

Date: 10 July 98

Location: B6 URSP

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

Number Samples 2500

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	<u>131</u>	<u>3.75</u>					<u>0</u>	<u>-1.865</u>	<u>270</u>	<u>135</u>
	<u>132</u>	<u>3.75</u>							<u>90</u>	<u>135</u>
	<u>133</u>	<u>3.50</u>							<u>270</u>	
	<u>134</u>	<u>3.50</u>							<u>90</u>	
	<u>135</u>	<u>3.25</u>							<u>270</u>	
	<u>136</u>	<u>3.25</u>							<u>90</u>	
	<u>137</u>	<u>3.0</u>							<u>270</u>	
	<u>138</u>	<u>3.0</u>							<u>90</u>	
	<u>139</u>	<u>2.75</u>							<u>270</u>	
	<u>140</u>	<u>2.75</u>							<u>90</u>	<u>N</u>

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole

Casing Elevation: 68 m above G.L.

Azimuth x-axis: 90°

Azimuth y-axis: 0°

Well Coord: X= 9997.65702 Y= 10001.5833 Z= 850.21448

Channel

Configuration: Borehole Phone

V=Channel 1

R=Channel 2

T=Channel 3

Reference Phone

V=Channel 4

R=Channel 5

T=Channel 6

Date: 10 July 98 Location: B6 URISP

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

Number Samples 2500

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	<u>141</u>	<u>2.50</u>					<u>0</u>	<u>-.865</u>	<u>270</u>	<u>135</u>
	<u>142</u>	<u>2.50</u>							<u>90</u>	<u>135</u>
	<u>143</u>	<u>2.25</u>							<u>270</u>	
	<u>144</u>	<u>2.25</u>							<u>90</u>	
	<u>145</u>	<u>2.0</u>							<u>270</u>	
	<u>146</u>	<u>2.0</u>							<u>90</u>	
	<u>147</u>	<u>1.75</u>							<u>270</u>	
	<u>148</u>	<u>1.75</u>							<u>90</u>	
	<u>149</u>	<u>1.50</u>							<u>270</u>	
	<u>150</u>	<u>1.50</u>							<u>90</u>	

11:21

Coordinate System Origin at Borehole

Coordinate System Origin at Borehole
Casing Elevation: -68 m above G.L.

Reference Phone: Offset: _____m

Casing Elevation: -68 m above G.L.

Azimuth

Elev. 0 m below G.L.

Azimuth y-axis: 0°

76

Well Coord: X= 9997.65702 Y= 10001.5833 Z= 850.21448

$$Y = -1.72$$

Channel Configuration:

Borehole Phone

Reference Phone

Ref. Polarization:

Vert.

Configuration:

$$V = \text{Channel} /$$

V=Channel 4

✓

10

0

R=Channel 2

R=Channel 5

• 4

0

26

1971

T=Channel 3

T=Channel 6

T

270

90

Date: 10 July 98

Location: B6

Channel P
UR/SP

High-Cut 1000 Hz

Low-Cut $4H_2$

Sample Int. • 0002

Number Samples 2500

[illegible]

VSP Check List

Project:

B6 well UR15P

9:00 at site

Date:

10 July 98

Odometer Start:

14866.7

Finish:

14884.7

Time Out:

8:45

Time In:

13:30

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			
Vertical Hammer Source			
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			