

VSP Preliminary Data Sheet

Date: 9 JULY 98 Type of Phones OYO 14N7

1. Well Name (C5) UR15R

2. Location of Well

X= 9990.88127 Y= 10000.5322 Z= 850.00537

Casing Elevation: +850.00537 m

3. Depth to top of water table (measured from CE) [7.17ft] = 2.1854m

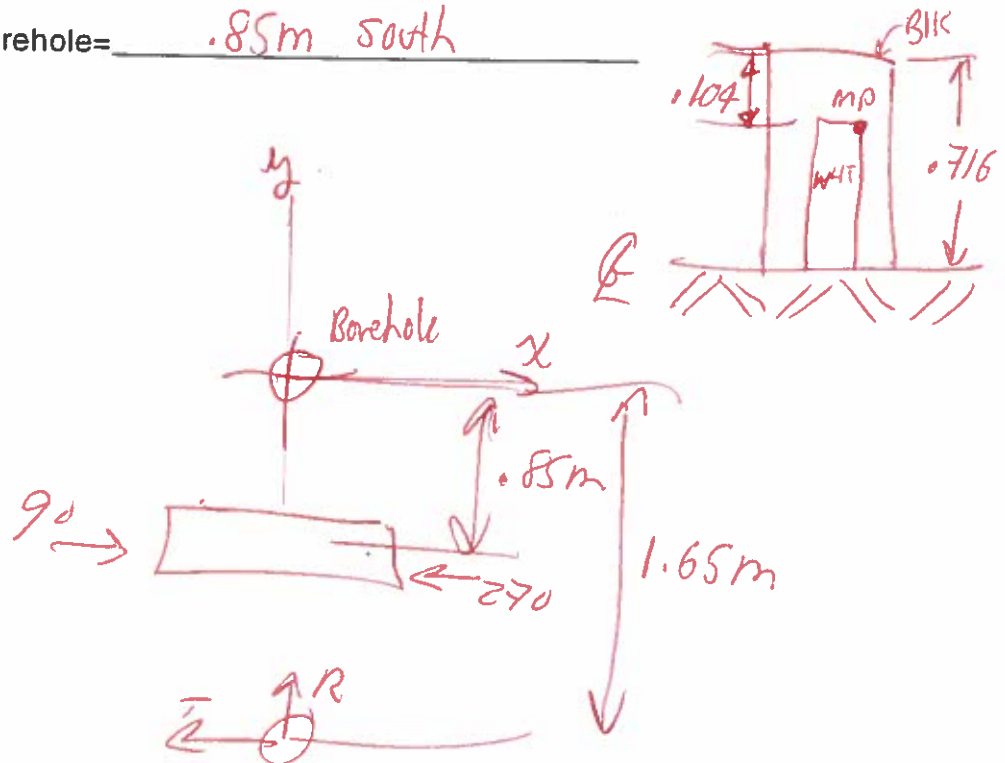
4. Casing Elevation, distance above ground level= .612m

5. Reference phone offset from borehole= 1.65m south

6. Reference phone depth below ground level= 0

7. Source Offset from borehole= .85m south

8. Sketch of setup:



9. Blue Box switch settings:

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

$$(19.578 + 1.12m) = T/D$$

$$20.698m = T/D$$

$$(67.9ft)$$

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole

Casing Elevation: 612 m above G.L.

Reference Phone: Offset: m

Azimuth x-axis: 90°

Azimuth m below G.L.

Azimuth y-axis: 0°

Elev. 0 m

Well Coord: X = 9990.88127

Y = 10000.5322 Z = 850.00537

Channel Configuration:

Borehole Phone

Reference Phone

Ref. Polarization:

V=Channel 1

V=Channel 4

V 0

R=Channel 2

R=Channel 5

R 0

T=Channel 3

T=Channel 6

T 270

Date: 9 July 98

Location: C5

Sample Int. 0.0002

Number Samples 2500

High-Cut 1000 Low-Cut 4

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
WL C5002	1	20.0					0	-0.85	270	135
	2	20.0							90	135
	3	19.75							270	
	4	19.75							90	
	5	19.50							270	
	6	19.50							90	
	7	19.25							270	
	8	19.25							90	
	9	19.0							270	
	10	19.0							90	

847.82 m elev
2.189 m sub CF

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
 Casing Elevation: 612 m above G.L.
 Azimuth x-axis: 90
 Azimuth y-axis: 0
 Well Coord: X= 9990.88127 Y= 10000.5322 Z= 850.0537
 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 Az 0 R 0 T 270
 Offset: 0 m
 Azimuth 0 m below G.L.
 Elev. 0 m
 X= 0 m
 Y= -1.65 m
 Vert. 0

Date: 9 July 98 Location: C5 (U215P) Number Samples 2500
 High-Cut 1000 Low-Cut 4 Sample Int. 0.0002

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>-.85</u>	<u>270</u>	<u>135</u>
	<u>12</u>	<u>18.75</u>							<u>90</u>	
	<u>13</u>	<u>18.50</u>							<u>270</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>	

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
 Casing Elevation: 1612 m above G.L.
 Azimuth x-axis: 90
 Azimuth y-axis: 0
 Well Coord: X= 9990.88127 Y= 10000.5322 Z= 850.00537
 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
 Azimuth 0 m below G.L.
 Elev. 0 m
 X= -1.65 m
 Y= -1.65 m
 Offset: 0 m
 Vert. 0

Date: 9 July 98 Location: C5 (U215P) Number Samples 2500
 High-Cut 1000 Low-Cut 4 Sample Int. 0.0002

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>-1.85</u>	<u>270</u>	<u>135</u>
	<u>22</u>	<u>17.50</u>							<u>90</u>	
	<u>23</u>	<u>17.25</u>							<u>270</u>	
	<u>24</u>	<u>17.25</u>							<u>90</u>	
	<u>25</u>	<u>17.0</u>							<u>270</u>	
	<u>26</u>	<u>17.0</u>							<u>90</u>	
	<u>27</u>	<u>16.75</u>							<u>270</u>	
	<u>28</u>	<u>16.75</u>							<u>90</u>	
	<u>29</u>	<u>16.50</u>							<u>270</u>	
	<u>30</u>	<u>16.50</u>					<u>N</u>	<u>0</u>	<u>90</u>	<u>V</u>

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole

Casing Elevation: 612 m above G.L.

Azimuth x-axis: 90

Azimuth y-axis: 0

Well Coord: X= 9990.88127 Y= 10000.5322 Z= 850.00537

Channel Configuration: Borehole Phone

V=Channel 1

R=Channel 2

T=Channel 3

Location: C5 (Vesp)

Low-Cut 4

Sample Int. 0.0002

Number Samples 2500

Reference Phone: Offset: m

Azimuth

Elev. 0 m below G.L.

X= 0 m

Y= -1.65 m

Ref. Polarization: Az 0

V 0

R 90

T 90

Vert. 0

Date: 9 July 98

High-Cut 1000

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	31	16.25					0	-1.85	270	135
	32	16.25					1	1	90	1
	33	16.0					1	1	270	1
	34	16.0					1	1	90	1
	35	15.75					1	1	270	1
	36	15.75					1	1	90	1
	37	15.50					1	1	270	1
	38	15.50					1	1	90	1
	39	15.25					1	1	270	1
	40	15.25					1	1	90	1

10:18

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole

Casing Elevation: 1612 m above G.L.

Azimuth x-axis: 90

Azimuth y-axis: 0

Well Coord: X= 9990.88127 Y= 10000.5322 Z= 850.00537

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: 9 July 98

Location: C5 (VSP)

High-Cut 1000 Low-Cut 4

Sample Int. 0.0002

Number Samples 2500

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>-.85</u>	<u>270</u>	<u>135</u>
	<u>42</u>	<u>15.0</u>							<u>90</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>	

10:22

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole

Casing Elevation: 612 m above G.L.

Azimuth x-axis: 90

Azimuth y-axis: 0

Well Coord: X= 9990.88127 Y= 10000.5322 Z= 850.00537

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: 9 July 98

Location: C5 (Urisp)

High-Cut 1000

Low-Cut 4

Sample Int. 0.0002

Number Samples 2500

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	<u>51</u>	<u>13.15</u>					<u>0</u>	<u>-85</u>	<u>270</u>	<u>135</u>
	<u>52</u>	<u>13.25</u>							<u>90</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>	<u>N</u>

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole

Casing Elevation: 1612 m above G.L.

Azimuth x-axis: 90

Azimuth y-axis: 0

Well Coord: X= 9990.28127 Y= 10000.5322 Z= 850.00537

Channel Configuration:

Borehole Phone

V=Channel 1

R=Channel 2

T=Channel 3

Location: C5 (VSP)

Low-Cut 4

Reference Phone:

V=Channel 4

R=Channel 5

T=Channel 6

Offset: 0 m

Azimuth 0

Elev. 0 m below G.L.

X= 0 m

Y= -165 m

Ref. Polarization:

V 0

R 0

T 270

Vert. 0

90

90

Date: 9 July 98

High-Cut 1000

Low-Cut 4

Sample Int. 0.0002

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>-0.85</u>	<u>270</u>	<u>135</u>
	<u>62</u>	<u>12.50</u>							<u>90</u>	
	<u>63</u>	<u>12.25</u>							<u>270</u>	
	<u>64</u>	<u>12.25</u>							<u>90</u>	
	<u>65</u>	<u>12.0</u>							<u>270</u>	
	<u>66</u>	<u>12.0</u>							<u>90</u>	
	<u>67</u>	<u>11.75</u>							<u>270</u>	
	<u>68</u>	<u>11.75</u>							<u>90</u>	
	<u>69</u>	<u>11.50</u>							<u>270</u>	
	<u>70</u>	<u>11.50</u>							<u>90</u>	

10/16/98

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole

Casing Elevation: 612 m above G.L.

Azimuth x-axis: 90

Azimuth y-axis: 0

Well Coord: X= 9990.88127 Y= 10000.5322 Z= 850.00537

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: 9 July 98 Location: C5 (VESP)

High-Cut 1000 Low-Cut 4 Sample Int. 0.0002

Number Samples 2500

Reference Phone: Offset: _____ m

Azimuth

Elev. 0 m below G.L.

X= 0 m

Y= -1.65 m

Ref. Polarization:

V

R

T

Az

0

0

270

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	71	11.25					0	-1.85	270	135
	72	11.25							90	
	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: 612 m above G.L.
 Azimuth x-axis: 90
 Azimuth y-axis: 0

Reference Phone: _____ m
 Azimuth _____
 Elev. 0 m below G.L.
 X = 0 m
 Y = -165 m

Well Coord: X = 9990.28127 Y = 10000.5322 Z = 850.00537

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
 V 0
 R 0
 T 270
 Vert. 0
90
90

Date: 9 July 98 Location: C5 (VSP) Number Samples 2500
 High-Cut 1000 Low-Cut 4 Sample Int. 0.0002

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

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole

Casing Elevation: 66.2 m above G.L.

Azimuth x-axis: 90°

Azimuth y-axis: 0°

Well Coord: X = 9990.88127 Y = 10000.5322 Z = 850.00537

Channel Configuration:

Borehole Phone

V=Channel 1

R=Channel 2

T=Channel 3

Location: C5 (veisp)

Low-Cut 4

Sample Int. 0.0002

Number Samples 2500

Reference Phone: Offset: m

Azimuth

Elev. 0 m below G.L.

X = 0 m

Y = -1.65 m

Ref. Polarization:

V

R

T

Az

0

90

90

Date: 9 July 98

High-Cut 1000

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	91	8.15					0	-0.85	270	135
	92	8.15							90	
	93	8.50							270	
	94	8.50							90	
	95	8.25							270	
	96	8.25							90	
	97	8.0							270	
	98	8.0							90	
	99	7.75							270	
	100	7.75							90	

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
 Casing Elevation: 1612 m above G.L.
 Azimuth x-axis: 90
 Azimuth y-axis: 0
 Well Coord: X= 9990.88127 Y= 10000.5322 Z= 850.00537
 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: 9 July 98 Location: C5 (veisp)
 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
	101	7.50					0	-1.85	270	135
	102	7.50							90	
	103	7.25							270	
	104	7.25							90	
	105	7.0							270	
	106	7.0							90	
	107	6.75							270	
	108	6.75							90	
	109	6.50							270	
	110	6.50							90	N

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole

Casing Elevation: 6.2 m above G.L.

Azimuth x-axis: 90°

Azimuth y-axis: 0°

Well Coord: X= 9990.88127 Y= 10000.5322 Z= 850.00537

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

V

R

T

Vert.

0

90

90

270

270

90

270

90

270

90

270

90

270

90

270

90

270

90

270

90

270

Reference Phone: Offset: 0 m

Azimuth: 0 m below G.L.

Elev. 0 m

X= 0 m

Y= -1.65 m

Ref. Polarization: Az

V

R

T

Vert.

0

90

90

270

270

90

270

90

270

90

270

90

270

90

270

90

270

90

270

90

270

90

270

90

270

90

270

90

270

Date: 9 July 98

Location: C5 (VSP)

High-Cut 1000

Low-Cut 4

Sample Int. 0.0002

Number Samples 2500

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	111	6.25					0	- .85	270	135
	112	6.25							90	
	113	6.0							270	
	114	6.0							90	
	115	5.75							270	
	116	5.75							90	
	117	5.50							270	
	118	5.50							90	
	119	5.25							270	
	120	5.25							90	

11:00

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole

Casing Elevation: 612 m above G.L.

Azimuth x-axis: 90°

Azimuth y-axis: 0°

Well Coord: X = 9990.88127 Y = 10000.5322 Z = 850.00537

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

V 0

R 0

T 270

Vert. 0

Offset: 0 m

Azimuth 0 m below G.L.

X = 0 m

Y = -1.65 m

Ref. Polarization: Az

V 0

R 0

T 270

Vert. 0

Offset: 0 m

Azimuth 0 m below G.L.

X = 0 m

Y = -1.65 m

Ref. Polarization: Az

V 0

R 0

T 270

Vert. 0

Offset: 0 m

Azimuth 0 m below G.L.

Reference Phone:

V=Channel 4

R=Channel 5

T=Channel 6

Ref. Polarization: Az

V 0

R 0

T 270

Vert. 0

Offset: 0 m

Azimuth 0 m below G.L.

X = 0 m

Y = -1.65 m

Ref. Polarization: Az

V 0

R 0

T 270

Vert. 0

Offset: 0 m

Azimuth 0 m below G.L.

X = 0 m

Y = -1.65 m

Ref. Polarization: Az

V 0

R 0

T 270

Vert. 0

Offset: 0 m

Azimuth 0 m below G.L.

X = 0 m

Y = -1.65 m

Ref. Polarization: Az

V 0

R 0

T 270

Vert. 0

Offset: 0 m

Azimuth 0 m below G.L.

Date: 9 July 98

High-Cut 1000

Location: C5

Low-Cut 4

Sample Int. 0.0002

Number Samples 2500

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	121	5.0					0	-1.85	270	135
	122	5.0							90	
	123	4.75							270	
	124	4.75							90	
	125	4.50							270	
	126	4.50							90	
	127	4.25							270	
	128	4.25							90	
	129	4.0							270	
	130	4.0							90	

11:11

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
Casing Elevation: 612 m above G.L.

Reference Phone: Offset: m

Azimuth x-axis: 90°

Azimuth

Azimuth y-axis: 0°

Elev. 0 m below G.L.

Well Coord: X = 9990.88127 Y = 10000.5322 Z = 850.00537

X = 0 m

Y = -1.85 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

Ref. Polarization:

V

R

T

Vert.

0

90

90

Date: 9 July 98

Location: C5

Sample Int. 0.0002

Low-Cut 4

Number Samples 2500

High-Cut 1000

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	<u>131</u>	<u>3.15</u>					<u>0</u>	<u>-85</u>	<u>270</u>	<u>135</u>
	<u>132</u>	<u>3.15</u>							<u>90</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>2.15</u>							<u>270</u>	
	<u>140</u>	<u>2.15</u>							<u>90</u>	

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
 Casing Elevation: 612 m above G.L.
 Azimuth x-axis: 90°
 Azimuth y-axis: 0°
 Well Coord: X = 9990.88127 Y = 10000.5322 Z = 850.00537
 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
 Offset: 0 m
 Azimuth 0 m below G.L.
 Elev. 0 m
 X = 0 m
 Y = -1.65 m
 Vert. 0

Date: 9 July 98 Location: C5 (Vesp)
 High-Cut 1000 Low-Cut 4 Sample Int. 0.0002 Number Samples 2500

Shot		Borehole Phone			Source			Source Polarization		
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical
	<u>141</u>	<u>2.5</u>					<u>0</u>	<u>-1.85</u>	<u>270</u>	<u>135</u>
	<u>142</u>	<u>2.5</u>							<u>90</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>	<u>0</u>

Coordinate System Origin at Borehole
Casing Elevation: 612 m above G.L.
Azimuth x-axis: 90°
Azimuth y-axis: 0°
Well Coord: X = 9990.88127 Y = 10000.5322 Z = 850.00537
Channel Borehole Phone V=Channel 1 R=Channel 2 T=Channel 3
Reference Phone V=Channel 4 R=Channel 5 T=Channel 6
Reference Phone V=Channel 7 R=Channel 8 T=Channel 9
Reference Phone V=Channel 10 R=Channel 11 T=Channel 12
Reference Phone V=Channel 13 R=Channel 14 T=Channel 15
Reference Phone V=Channel 16 R=Channel 17 T=Channel 18
Reference Phone V=Channel 19 R=Channel 20 T=Channel 21
Reference Phone V=Channel 22 R=Channel 23 T=Channel 24
Reference Phone V=Channel 25 R=Channel 26 T=Channel 27
Reference Phone V=Channel 28 R=Channel 29 T=Channel 30
Reference Phone V=Channel 31 R=Channel 32 T=Channel 33
Reference Phone V=Channel 34 R=Channel 35 T=Channel 36
Reference Phone V=Channel 37 R=Channel 38 T=Channel 39
Reference Phone V=Channel 40 R=Channel 41 T=Channel 42
Reference Phone V=Channel 43 R=Channel 44 T=Channel 45
Reference Phone V=Channel 46 R=Channel 47 T=Channel 48
Reference Phone V=Channel 49 R=Channel 50 T=Channel 51
Reference Phone V=Channel 52 R=Channel 53 T=Channel 54
Reference Phone V=Channel 55 R=Channel 56 T=Channel 57
Reference Phone V=Channel 58 R=Channel 59 T=Channel 60
Reference Phone V=Channel 61 R=Channel 62 T=Channel 63
Reference Phone V=Channel 64 R=Channel 65 T=Channel 66
Reference Phone V=Channel 67 R=Channel 68 T=Channel 69
Reference Phone V=Channel 70 R=Channel 71 T=Channel 72
Reference Phone V=Channel 73 R=Channel 74 T=Channel 75
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Reference Phone V=Channel 85 R=Channel 86 T=Channel 87
Reference Phone V=Channel 88 R=Channel 89 T=Channel 90
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Reference Phone V=Channel 109 R=Channel 110 T=Channel 111
Reference Phone V=Channel 112 R=Channel 113 T=Channel 114
Reference Phone V=Channel 115 R=Channel 116 T=Channel 117
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Reference Phone V=Channel 289 R=Channel 290 T=Channel 291
Reference Phone V=Channel 292 R=Channel 293 T=Channel 294
Reference Phone V=Channel 295 R=Channel 296 T=Channel 297
Reference Phone V=Channel 298 R=Channel 299 T=Channel 300
Reference Phone V=Channel 301 R=Channel 302 T=Channel 303
Reference Phone V=Channel 304 R=Channel 305 T=Channel 306

Date: 9 July 98

Location: C5

(version)

(version) Channel 8

(d5120)
(U215P)

510

70

Number Samples 2500

Sample Int. • 0002

Low-Cut 4

High-Cut 1000[illegible]

02-90°



Can Pulley

VSP Check List

Project: URISP C5

9:49 set up, ready to go

Date: 9 JULY 98

Odometer Start: 14848.7 Finish: 14866.7
Time Out: 9:00 Time In: 13:21

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			