

VSP Preliminary Data Sheet

Date: 6 May 1999 Type of Phones Oyo 14 Hz

1. Well Name B3 URISP

2. Location of Well

X= 10003.59 Y= 9997.92 Z= 850.20

+847925

Casing Elevation: .654 m above ϕ = 850.20 m above ϕ

3. Depth to top of water table (measured from CE) (7.47 ft) = (2.27686 m)

4. Casing Elevation, distance above ground level= .654 m

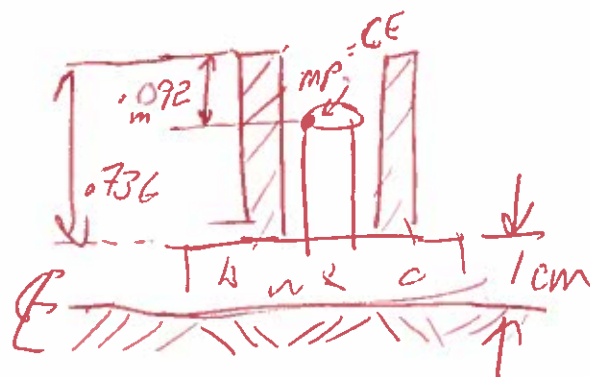
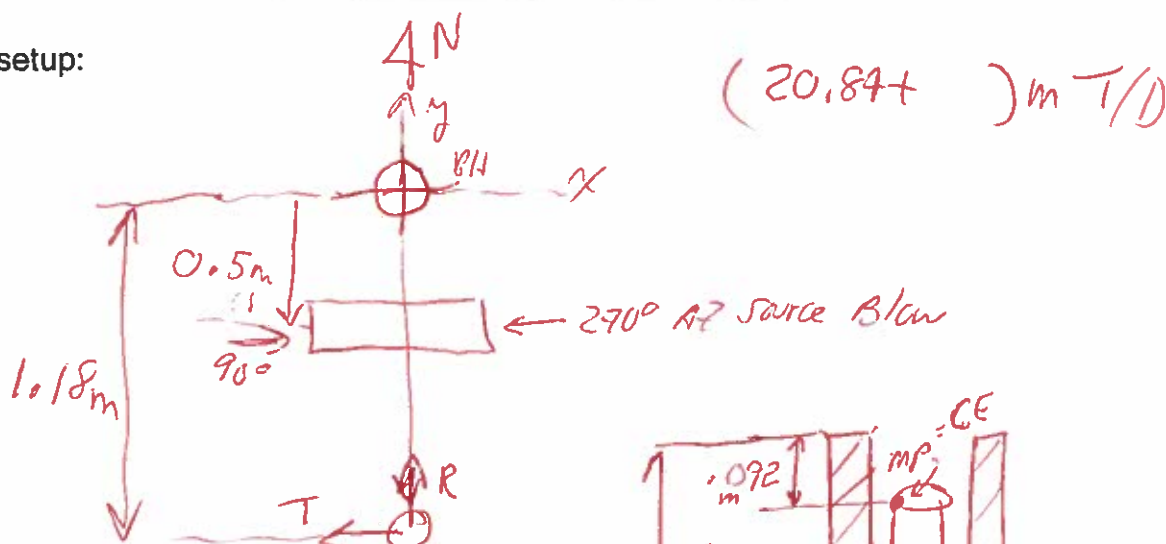
5. Reference phone offset from borehole= 1.18 m South

6. Reference phone depth below ground level= 0 covered with sand



7. Source Offset from borehole= 0.5 m 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

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
Casing Elevation: 659 m above G.L.

Azimuth x-axis: East

Azimuth y-axis: North

Well Coord: X = 10003.59 Y = 9997.92 Z = 850.20

Channel Borehole Phone

V=Channel 1

R=Channel 2

T=Channel 3

Reference Phone:

Offset: _____ m

Azimuth _____

Elev. 0 m below G.L.

X = 0 m

Y = -1.18 m

Ref. Polarization:

Az _____

V _____

R _____

T 270

Vert.

0

90

90

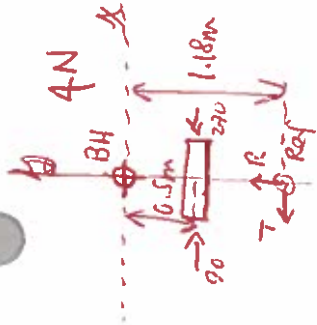
Date: 6 May 1999 Location: Ureap B3 well

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
	<u>1</u>	<u>21.5</u>					<u>0</u>	<u>-0.5</u>	<u>270</u>	<u>90</u>
	<u>2</u>	<u>21.5</u>					<u>1</u>		<u>90</u>	<u>1</u>
	<u>3</u>	<u>21.25</u>							<u>270</u>	
	<u>4</u>	<u>21.25</u>							<u>90</u>	
	<u>5</u>	<u>21.0</u>							<u>270</u>	
	<u>6</u>	<u>21.0</u>							<u>90</u>	
	<u>7</u>	<u>20.75</u>							<u>270</u>	
	<u>8</u>	<u>20.75</u>							<u>90</u>	
	<u>9</u>	<u>20.5</u>							<u>270</u>	
	<u>10</u>	<u>20.5</u>							<u>90</u>	<u>1</u>

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$$\frac{V}{Z} = +847.92314 \text{ m/s}$$



BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
 Casing Elevation: -654 m above G.L.
 Azimuth x-axis: East
 Azimuth y-axis: North
 Well Coord: X = 10003.59 Y = 9997.92 Z = 850.20
 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
 Offset: 0 m
 Azimuth 0 m below G.L.
 Elev. 0 m
 X = 0 m
 Y = -1.18 m
 Vert. 0

Date: 6 May 1999 Location: West B3 well
 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
	<u>11</u>	<u>20.25</u>					<u>0</u>	<u>-0.5</u>	<u>270</u>	<u>90</u>
	<u>12</u>	<u>20.25</u>					<u>1</u>	<u>1</u>	<u>90</u>	<u>1</u>
	<u>13</u>	<u>20.0</u>					<u>1</u>	<u>1</u>	<u>270</u>	<u>1</u>
	<u>14</u>	<u>20.0</u>					<u>1</u>	<u>1</u>	<u>90</u>	<u>1</u>
	<u>15</u>	<u>19.75</u>					<u>1</u>	<u>1</u>	<u>270</u>	<u>1</u>
	<u>16</u>	<u>19.75</u>					<u>1</u>	<u>1</u>	<u>90</u>	<u>1</u>
	<u>17</u>	<u>19.5</u>					<u>1</u>	<u>1</u>	<u>270</u>	<u>1</u>
	<u>18</u>	<u>19.5</u>					<u>1</u>	<u>1</u>	<u>90</u>	<u>1</u>
	<u>19</u>	<u>19.25</u>					<u>1</u>	<u>1</u>	<u>270</u>	<u>1</u>
	<u>20</u>	<u>19.25</u>					<u>1</u>	<u>1</u>	<u>90</u>	<u>1</u>

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BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
 Casing Elevation: -654 m above G.L.
 Azimuth x-axis: East
 Azimuth y-axis: North
 Well Coord: X = 10003.59 Y = 9997.92 Z = 850.20
 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
 Offset: 0 m
 Azimuth 0 m below G.L.
 Elev. 0 m
 X = 0 m
 Y = -1.18 m
 Vert. 0
90
90

Date: 6 May 1999 Location: UHSR B3 well
 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	Vertical
	21	19.0					0	-0.5	90
	22	19.0							
	23	18.75							
	24	18.75							
	25	18.5							
	26	18.5							
	27	18.25							
	28	18.25							
	29	18.0							
	30	18.0							

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
 Casing Elevation: 654 m above G.L.
 Azimuth x-axis: East
 Azimuth y-axis: North
 Well Coord: X = 10003.59 Y = 9997.92 Z = 850.20
 Channel Configuration: 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 below G.L.
 Elev. 0 m
 X = 0 m
 Y = -1.18 m

Date: 6 May 1999 Location: URSP B3 well
 High-Cut 1000 Low-Cut 4 Sample Int. .0002 Number Samples 2500

Shot		Borehole Phone			Source			Ref. Polarization			Source Polarization	
Rec.	File	Depth	Elev.	Offset	Azimuth	Elev.	X	Y	Azimuth	Vertical	Azimuth	Vertical
	31	17.75					0	-0.5	270	90	270	90
	32	17.75							90		90	
	33	17.5							270		270	
	34	17.5							90		90	
	35	17.25							270		270	
	36	17.25							90		90	
	37	17.0							270		270	
	38	17.0							90		90	
	39	16.75							270		270	
	40	16.75							90		90	

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
 Casing Elevation: 654 m above G.L.
 Azimuth x-axis: East
 Azimuth y-axis: North
 Well Coord: X = 10003.5 Y = 9997.92 Z = 850.20
 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
 Offset: 0 m
 Azimuth 0 m below G.L.
 Elev. 0 m
 X = 0 m
 Y = -1.18 m
 Vert. 0
90
90

Date: 6 May 1999 Location: URSP B3 well
 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
	<u>41</u>	<u>16.5</u>					<u>0</u>	<u>-0.5</u>	<u>270</u>	<u>90</u>
	<u>42</u>	<u>16.5</u>					<u>1</u>	<u>1</u>	<u>90</u>	<u>1</u>
	<u>43</u>	<u>16.25</u>							<u>270</u>	<u>1</u>
	<u>44</u>	<u>16.25</u>							<u>90</u>	<u>1</u>
	<u>45</u>	<u>16.0</u>							<u>270</u>	<u>1</u>
	<u>46</u>	<u>16.0</u>							<u>90</u>	<u>1</u>
	<u>47</u>	<u>15.75</u>							<u>270</u>	<u>1</u>
	<u>48</u>	<u>15.75</u>							<u>90</u>	<u>1</u>
	<u>49</u>	<u>15.5</u>							<u>270</u>	<u>1</u>
	<u>50</u>	<u>15.5</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: 654 m above G.L.
 Azimuth x-axis: East
 Azimuth y-axis: North
 Well Coord: X= 10003.59 Y= 9997.92 Z= 850.20
 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
 Offset: 0 m below G.L.
 Azimuth 0
 Elev. 0
 X= 0 m
 Y= -1.18 m
 Vert. 0
90
90

Date: 6 May 1999 Location: URSP B3 well
 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
51		15.25					0	-0.5	270	90
52		15.25							90	
53		15.0							270	
54		15.0							90	
55		14.75							270	
56		14.75							90	
57		14.5							270	
58		14.5							90	
59		14.25							270	
60		14.25							90	

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
 Casing Elevation: 654 m above G.L.
 Azimuth x-axis: East
 Azimuth y-axis: North
 Well Coord: X = 10003.59 Y = 9997.92 Z = 850.20
 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
 Offset: 0 m
 Azimuth 0 m below G.L.
 Elev. 0 m
 X = 0 m
 Y = -1.18 m
 Vert. 0
90
90

Date: 6 May 1999 Location: URSP B3 well
 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
	61	14.0					0	-0.5	270	90
	62	14.0							90	
	63	13.75							270	
	64	13.75							90	
	65	13.50							270	
	66	13.50							90	
	67	13.25							270	
	68	13.25							90	
	69	13.0							270	
	70	13.0							90	

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BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
 Casing Elevation: 654 m above G.L.
 Azimuth x-axis: East
 Azimuth y-axis: North
 Well Coord: X = 10003.59 Y = 9997.92 Z = 850.20
 Channel Configuration: 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
 Offset: 0 m
 Azimuth: 0 m below G.L.
 Elev. 0 m
 X = 0 m
 Y = -1.18 m
 Vert. 0
90
90

Date: 6 May 1999 Location: UESP B3 well
 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
	<u>71</u>	<u>12.75</u>					<u>0</u>	<u>-5</u>	<u>270</u>	<u>90</u>
	<u>72</u>	<u>12.75</u>							<u>90</u>	
	<u>73</u>	<u>12.5</u>							<u>270</u>	
	<u>74</u>	<u>12.5</u>							<u>90</u>	
	<u>75</u>	<u>12.25</u>							<u>270</u>	
	<u>76</u>	<u>12.25</u>							<u>90</u>	
	<u>77</u>	<u>12.0</u>							<u>270</u>	
	<u>78</u>	<u>12.0</u>							<u>90</u>	
	<u>79</u>	<u>11.75</u>							<u>270</u>	
	<u>80</u>	<u>11.15</u>						<u>N</u>	<u>90</u>	<u>↘</u>

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
 Casing Elevation: .658 m above G.L.
 Azimuth x-axis: East
 Azimuth y-axis: North
 Well Coord: X = 10003.52 Y = 9997.92 Z = 850.20
 Channel Configuration: 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
 Offset: 0 m
 Azimuth: 0 m below G.L.
 Elev.: 0 m
 X = 0 m
 Y = -1.18 m
 Vert. 0
90
90

Date: 6 May 1999 Location: Well B3 well
 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	11.5					0	-0.5	270	90
	82	11.5							90	
	83	11.25							270	
	84	11.25							90	
	85	11.0							270	
	86	11.0							90	
	87	10.75							270	
	88	10.75							90	
	89	10.5							270	
	90	10.5							90	

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
 Casing Elevation: 654 m above G.L.
 Azimuth x-axis: East
 Azimuth y-axis: North
 Well Coord: X = 10003.59 Y = 9997.92 Z = 850.20
 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: _____ m
 Azimuth _____ m below G.L.
 Elev. 0
 X = 0 m
 Y = -118 m
 Vert. 0
0
90
90

Date: 6 May 1999 Location: UESP B3 well
 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
	91	10.25					0	- .5	270	90
	92	10.25							90	
	93	10.0							270	
	94	10.0							90	
	95	9.75							270	
	96	9.75							90	
	97	9.5							270	
	98	9.5							90	
	99	9.25							270	
	100	9.25							90	

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
 Casing Elevation: 654 m above G.L.
 Azimuth x-axis: East
 Azimuth y-axis: North
 Well Coord: X = 10003.59 Y = 9997.92 Z = 850.20
 Channel Configuration: 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 Elevation: 0 m below G.L.
 X = 0 m
 Y = -1.18 m
 Vert. 0
90
90

Date: 6 May 1999 Location: URSP B3 well
 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
	<u>101</u>	<u>9.0</u>					<u>0</u>	<u>-1.5</u>	<u>270</u>	<u>90</u>
	<u>102</u>	<u>9.0</u>							<u>90</u>	
	<u>103</u>	<u>8.75</u>							<u>270</u>	
	<u>104</u>	<u>8.75</u>							<u>90</u>	
	<u>105</u>	<u>8.5</u>							<u>270</u>	
	<u>106</u>	<u>8.5</u>							<u>90</u>	
	<u>107</u>	<u>8.25</u>							<u>270</u>	
	<u>108</u>	<u>8.25</u>							<u>90</u>	
	<u>109</u>	<u>8.0</u>							<u>270</u>	
	<u>110</u>	<u>8.0</u>							<u>90</u>	

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
 Casing Elevation: 654 m above G.L.
 Azimuth x-axis: East
 Azimuth y-axis: North
 Well Coord: X = 10003.59 Y = 9997.92 Z = 850.20
 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
 Offset: 0 m
 Azimuth: 0 m below G.L.
 Elev.: 0 m
 X = 0 m
 Y = -1.18 m
 Vert. 0
90
90

Date: 6 May 1999 Location: URSP B3 well
 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
	111	7.75					0	-5	270	90
	112	7.75							90	
	113	7.5							270	
	114	7.5							90	
	115	7.25							270	
	116	7.25							90	
	117	7.0							270	
	118	7.0							90	
	119	6.75							270	
	120	6.75							90	

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
 Casing Elevation: 654 m above G.L.
 Azimuth x-axis: East
 Azimuth y-axis: North
 Well Coord: X = 10003.59 Y = 9997.92 Z = 850.20
 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
 Offsets: Azimuth 0 Elev. 0 m below G.L.
 X = 0 m Y = -1.18 m

Date: 6 May 1999 Location: UESP B3 well
 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
	121	6.50					0	-0.5	270	90
	122	6.50							90	
	123	6.25							270	
	124	6.25							90	
	125	6.0							270	
	126	6.0							90	
	127	5.75							270	
	128	5.75							90	
	129	5.50							270	
	130	5.50							90	

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
 Casing Elevation: 6.24 m above G.L.
 Azimuth x-axis: East
 Azimuth y-axis: North
 Well Coord: X = 10003.59 Y = 9997.92 Z = 850.20
 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
 Offset: 0 m
 Azimuth: 0 m below G.L.
 Elev.: 0 m
 X = 0 m
 Y = -1.18 m
 Vert. 0
90
90

Date: 6 May 1999 Location: Well B3 well
 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	5.25					0	-1.5	270	90
	132	5.25					1	1	90	1
	133	5.0					1	1	270	
	134	5.0					1	1	90	
	135	4.75					1	1	270	
	136	4.75					1	1	90	
	137	4.50					1	1	270	
	138	4.50					1	1	90	
	139	4.25					1	1	270	
	140	4.25					1	1	90	1

BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
 Casing Elevation: 654 m above G.L.
 Azimuth x-axis: EAST
 Azimuth y-axis: NORTH
 Well Coord: X = 10003.52 Y = 9997.92 Z = 850.20
 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: Azimuth 0 m below G.L.
 Elev. 0 m
 X = 0 m
 Y = -118 m
 Vert. 0
90
90

Date: 6 May 1999 Location: URSP B3 well
 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	4.0					0	- .5	270	90
	142	4.0							90	
	143	3.75							270	
	144	3.75							90	
	145	3.50							270	
	146	3.50							90	
	147	3.25							270	
	148	3.25							90	
	149	3.0							270	
	150	3.0							90	

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BSU GEOPHYSICS VSP OBSERVER'S LOG

Coordinate System Origin at Borehole
 Casing Elevation: -6.52 m above G.L.
 Azimuth x-axis: East
 Azimuth y-axis: North
 Well Coord: X = 10003.59 Y = 9997.92 Z = 850.20
 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
 Offset: 0 m below G.L.
 Azimuth 0 m
 Elev. 0 m
 X = 0 m
 Y = -1.18 m
 Vert. 0
0

Date: 6 May 1999 Location: Well B3 well
 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
	151	2.75					0	- .5	270	90
	152	2.75							90	
	153	2.5							270	
	154	2.5							90	
	155	2.25							270	
	156	2.25							90	
	157	2.0							270	
	158	2.0							90	
	159	1.75							270	
	160	1.75							90	

Coordinate System Origin at Borehole
Casing Elevation: 654 m above G.L.
Azimuth x-axis: East
Azimuth y-axis: North
Well Coord: X = 10003.59 Y = 9997.92 Z = 850.20
Channel Borehole Phone V=Channel 1 R=Channel 2 T=Channel 3
Configuration: V=Channel 4 R=Channel 5 T=Channel 6
Reference Phone (CE) 2
Offset: _____ m
Azimuth _____
Elev. 0 m below G.L.
X = 0 m
Y = -1.18 m
Ref. Polarization: V _____ R _____ T _____
Az _____
Vert. 0
90
90

Date: 6 May 1999 Location: UR100 B3 well Sample Int. .0002
High-Cut 1000 Low-Cut 4 Number Samples 2500

[illegible]

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$$\begin{array}{r} 360 \\ 30 \overline{) 360} \\ \underline{300} \\ 60 \end{array}$$

Project: URISP B3 VSP Check List

Date: 6 May 99 well

Odometer Start: 18091.8 Finish: 18110.6
Time Out: 8:30 Time In: 17:50

110.6
91.8
18.8

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 + Sand Bags			
Vertical Hammer Source + Sand Bags	✓		
135° Hammer Source			
Tripod and Tripod Head	✓		
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			