EXPLANATION

- BRIGHT WHITE TO CREAMY WHITE DE. MASSIVE TO HIGHLY VARVED, SOFT, STYLES INDICATE ASH AND OCCASIONALLY CLAY CONTAMINATION.
- CREAMY GREY TO MEDIUM BROWNISH GREY, DARKER COLOR OF DB INDICATIVE OF CLAY AND ASH CONTAMINATION. STYLES INDICATE MEGASCOPIC ASH AND CLAY CONTAMINATION.
- CHERT - GREENISH BROWN TO DARK BROWNISH-BLACK
- VOLCANIC ASH BED, VERY LIGHT SILVER GREY TO DARK GREY. ONES/TRIPLES AT BOTTOM OF BED INDICATE GRADED BEDDING, GENERALLY WITH FINE TO MEDIUM GRAINED TUFFACEOUS SANDY ASH AT BASE.
- VOLCANIC ASH BED WITH THICKNESS BETWEEN .1' AND .1.0' FEET
- TUFFACEOUS SANDSTONE GENERALLY FINE TO MEDIUM GRAIN, YELLOWISH ORANGE WITH OCCASIONAL CROSS BEDDING. PRESENT AT BASE OF DIATOMACEOUS UNIT.
- OVERTURNED - FLOW BANDED RHYOLITE FLOAT BOULDERS AND COBBLES.

SYMBOLS

- /// MAJOR CORE LOSS - +30 FT
- ? BED LOCATION OR LITHOLOGY QUERY DUE TO CORE LOSS.
- 5 (4) 10 PARENTHESED NUMBER INDICATES # OF VOLCANIC ASH BEDS LESS THAN 1' THICK PER 5' INTERVAL. THESE BEDS NOT SHOWN IN GRAPHIC LOG DUE TO SCALE AND CLARITY.

WH-83-1
ELEV. 4241.6
VERT.

- 5 CREAMY WHITE, MASSIVE
- 10 WHITE
- (1)
- 15 CREAMY WHITE, MASSIVE
- 20 CREAMY WHITE, MASSIVE
- (1) LIGHT YELLOWISH GRAY
- 25 FINE GRAIN SAND
- (2) CREAMY WHITE FISSILE
- 30 CLAY CONTAMINATION
- (1) WHITE FISSILE
- 35 CLAY CONTAMINATION
- LIGHT BROWNISH GRAY AT TOP OF BED LT-MED SILVER GRAY
- (3) INVERTEBRATE BURROWS @ 38.4'
- 40 MED BROWNISH GRAY, VARVED HIGH CLAY CONTAMINATION.
- (1)
- 45 CREAMY WHITE, FISSILE CLAY CONTAMINATION
- (1)
- 50 CLAY
- FE OX STAIN
- 55
- 60
- 65 HIGH CLAY CONTAMINATION
- END 59.0

WH-83-2
ELEV. 4232.2
VERT.

- 5
- 10
- 15 CREAMY WHITE, MASSIVE
- 20 BRITTLE
- (1) CREAMY WHITE, MASSIVE
- 25 LIGHT YELLOW GRAY CLAY CONTAMINATION?
- (2) BRITTLE, LT-MED GRAY
- 30 CREAMY WHITE TO SLIGHTLY GRAY, MASSIVE
- 35
- 40 CREAM TO VERY LIGHT GRAY, MASSIVE
- 45 WHITE, MASSIVE
- 50
- (3)
- 55 CREAM TO VERY LIGHT GRAY, MASSIVE
- 60 WHITE, FISSILE
- MAROONISH - GRAY, BRITTLE
- 65 WHITE, MASSIVE
- (3) INTERBEDDED ASH / DB
- 70 WHITE, MASSIVE
- LT CREAM, GREEN DB
- 75 BUTTE DB, SLIGHT ASH CONTAM
- NO RECOVERY
- GREEN-BROWN CHERT W/ WHITE DB
- 80 MED GRAY-BROWN CLAY/DB
- LT CREAM-YELLOW CLAY/ASH/DB SANDY ASH
- 85 BRITTLE TO SEMI-HARD, SEMI-CHERTY DB.
- 90 DARK YELLOWISH RANGE TUFFACEOUS CROSSBEDDED MEDIUM GRAINED SANDSTONE
- 95 GASTROPOD, OSTRACOD SHELLS AT 90.0'
- 95.0

WH-83-3
ELEV. 4219.0
VERT.

- 5
- 10
- 15 CREAMY WHITE TO WHITE, MASSIVE
- 20
- (2) CREAMY WHITE TO WHITE, FISSILE ORGANICS, CONTAMINATION
- YELLOWISH-GRAY CONTAMINATION
- 25
- (2)
- 30 SANDY
- LT BROWN-GRAY DB
- (4)
- 35
- SANDY AT TOP, SILVER GREY, ASH AT BOTTOM
- (2) LIGHT TANNISH GREY DB
- 40 FINE SAND, ASH INTERBEDS
- (4)
- 45
- 50 .3' LT. CREAM-BROWN TO BROWN GREY, DB
- BRECCIATED
- (4)
- 55
- (3)
- 60
- (2)
- 65
- (3)
- 70 DK. GREY, VEINED DB
- 70.0

WH-83-4
ELEV. 4219.8
VERT.

- 5 CREAMY WHITE TO VERY LIGHT GREY, MASSIVE
- 10
- (3) CREAMY WHITE TO VERY LIGHT GREY, MASSIVE TO SLIGHTLY FISSILE
- 15 DK GREY, SANDY
- CREAMY WHITE TO VERY LIGHT GREY, MASSIVE
- 20
- (4) CREAMY WHITE TO VERY LIGHT GREY, MASSIVE
- 25
- (2) CREAMY WHITE TO VERY LIGHT GREY, MASSIVE
- 30 HIGHLY VARVED
- (3)
- 35 CREAMY WHITE, FISSILE
- (3)
- 40 MED GREY BROWN, VARVED, DB
- 45
- (4)
- 50
- 55 DK GREY-BLACK CLAY VEINING, BRECCIATING, DB
- 60
- (4)
- 65
- (3)
- 70
- (2)
- 75
- 73.5

WH-83-6
ELEV. 4188.7
VERT.

- 5 OBSIDIAN, PERLITIZED GRAINS IN SAND
- 10 WHITE, MASSIVE
- 15
- WHITE, MASSIVE
- (2) SAND
- FE OX, BRITTLE
- 20 OBSIDIAN, PERLITIZED GRAINS IN SAND
- 25 CREAMY, WHITE ASH IN CLAY?
- (4) CREAMY WHITE, VARVED, SANDY
- 30 MAROON-GREY
- (2) SANDY
- 35
- LT. GREEN-GREY
- (3)
- 40 BRITTLE
- BRITTLE
- 45
- (1) WHITE, FISSILE CLAY, ORGANICS, COLT.
- 50
- MED GREY-BROWN
- (5) BROWN-BLACK, ORGANIC BLOTCHES
- 55
- (4)
- 60 CREAMY WHITE ORGANICS CONTAMINATION
- (3)
- 65 YELLOW SAND @ TOP OF BED
- (4)
- 70 LT. TAN-BROWN @ TOP OF BED
- CLAY
- 75
- 80 SANDY @ TOP OF BED
- 85
- (2)
- 90
- 10
- (2)
- 95 YELLOW-GREEN
- CREAMY WHITE TO WHITE, FISSILE
- 100
- 105 HIGH CLAY? ZONE LT OLIVE CHERT FRAGS.
- 110
- 87.0

WH-83-7
ELEV. 4170.9
VERT.

- 5
- (3) CREAMY WHITE, MASSIVE ASH?, YELLOWISH DE
- 10
- CREAMY WHITE, SLIGHTLY FISSILE GREENISH COLOR DE
- SEMI-BRITTLE
- 15 SEMI-BRITTLE
- WHITE TO CREAMY WHITE FISSILE
- (2) SEMI-BRITTLE
- 20
- OBSIDIAN GRAINS
- (1) CREAMY WHITE, FISSILE
- 25
- (2) WHITE, SLIGHTLY FISSILE
- 30 ASH BED & ASH CONTAMINATION W/ INVERTEBRATE BURROWS
- WHITE, FISSILE
- 35 VERY HARD, MED-DK GRAY SANDY ASH
- (2) INVERTEBRATE BURROW IN BOTTOM OF BED
- YELLOWISH DE
- LT GREENISH DB
- 40 CREAMY WHITE, FISSILE
- (1) YELLOWISH-GREEN, SANDY
- 45
- (2)
- 50 LT BROWN @ BOTTOM
- (2) CREAMY WHITE FISSILE
- 55 CREAMY WHITE, FISSILE
- 55.3

WH-83-8
ELEV. 4580.5
VERT.

- 5
- 10
- 15 CREAMY WHITE, MASSIVE
- 16 CLAY AT BOTTOM OF BED
- (1) CLAY CONTAMINATION
- 20 CREAMY WHITE, BRITTLE
- (3) MEDIUM GRAYISH BROWN
- 25
- (5) LT TO MED GRAYISH BROWN CLAY CONTAMINATION
- 30
- COARSE GRAIN TUFFACEOUS ASH
- 35
- (2) MEDIUM GRAYISH BROWN TO GREENISH BROWN, CLAY CONTAMINATION
- 40 DK. GREY CLAY VEINING BRECCIATED, DB
- (1)
- 45 MED DK GRAY
- 50 HIGH CLAY CONTAMINATION
- (2)
- 55
- 60
- (1)
- 58.6

CREAMY WHITE, MASSIVE TO SLIGHTLY VARVED

BRITTLE TO HARD LT. GREY TO LT CREAMY GREY

WHITE, SLIGHTLY FISSILE

WHITE TO CREAMY WHITE FISSILE TO MASSIVE

MED. GREY WITH SLIGHT VARVES

COARSE SCORIACEOUS ASH

FE OX STAIN

50.4

2 SIMON

WILDHORSE CLAIMS
DRILL HOLE LITHOLOGY
HARNEY CO SE. OREGON

OCT. 1983

1" = 5'