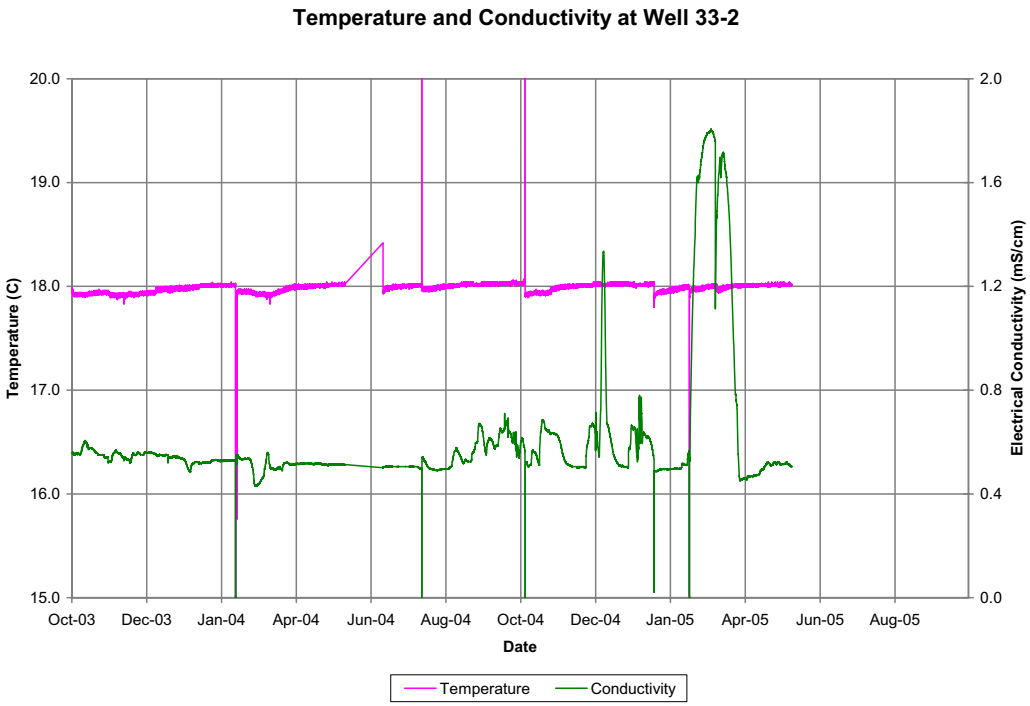
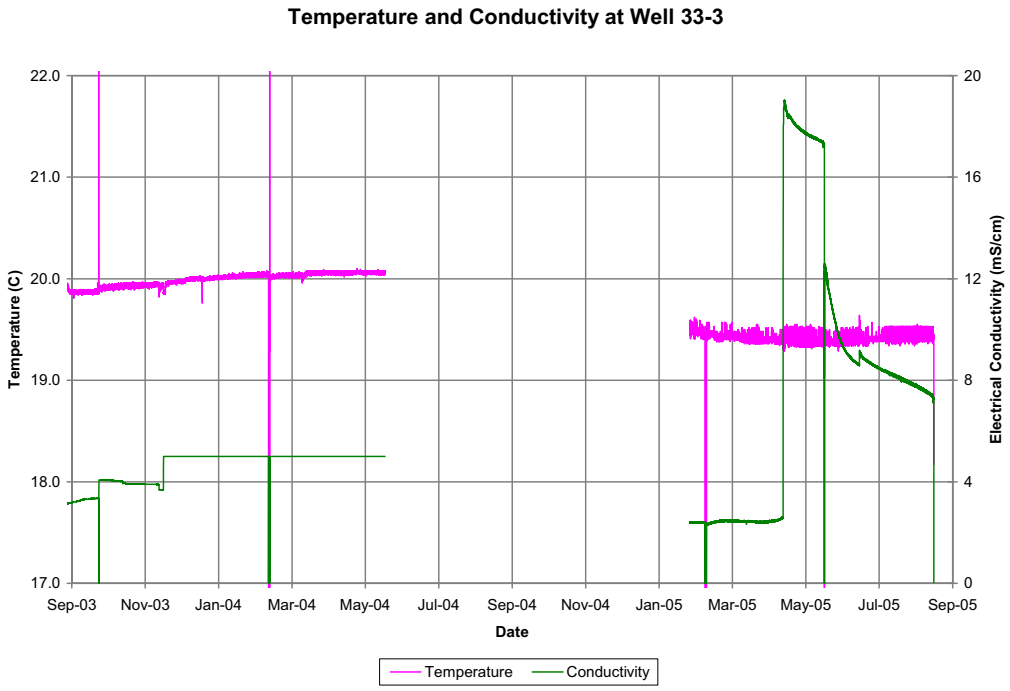
Appendix E

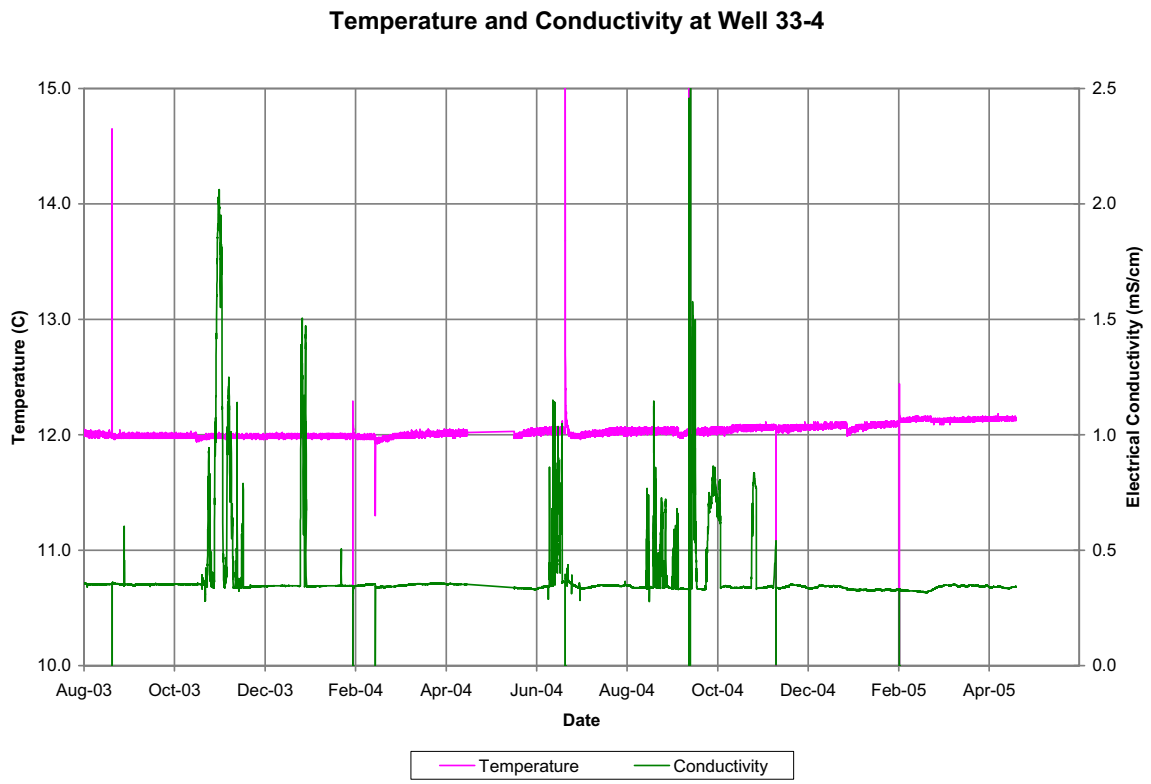
Perched Water Temperature and Electrical Conductivity Plots

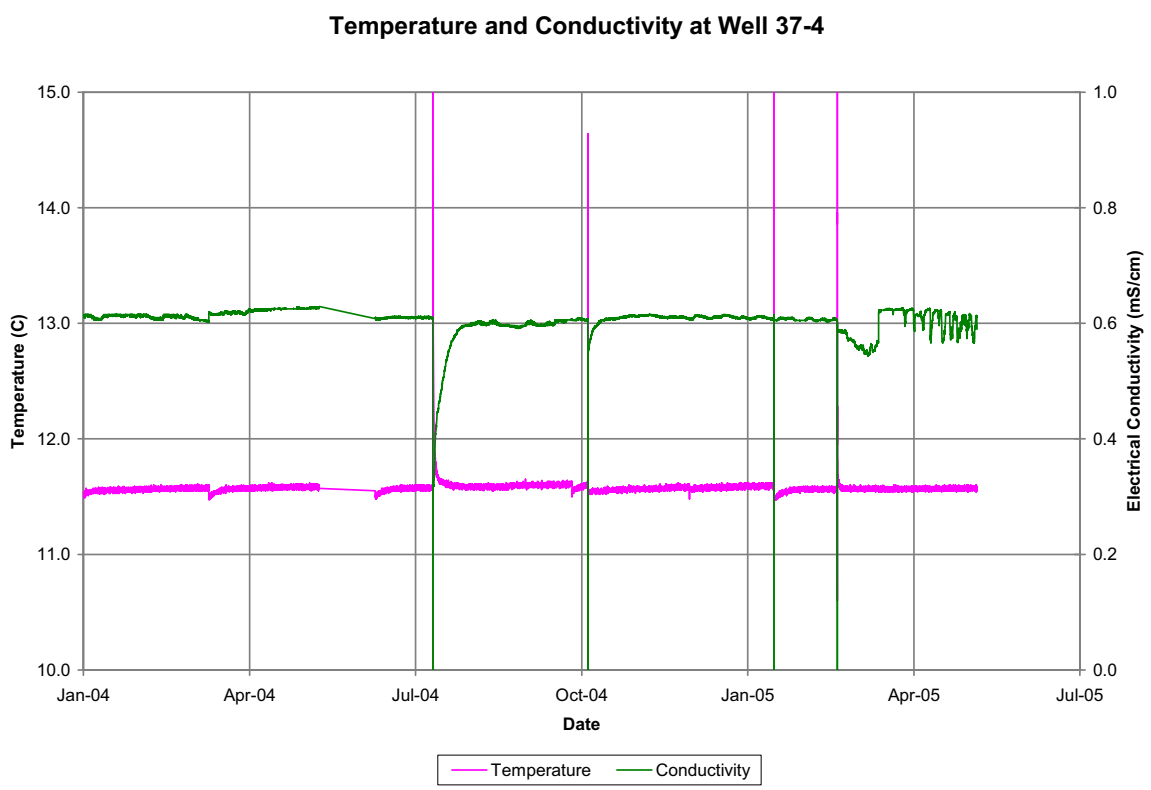
Appendix E

Perched Water Temperature and Electrical Conductivity Plots

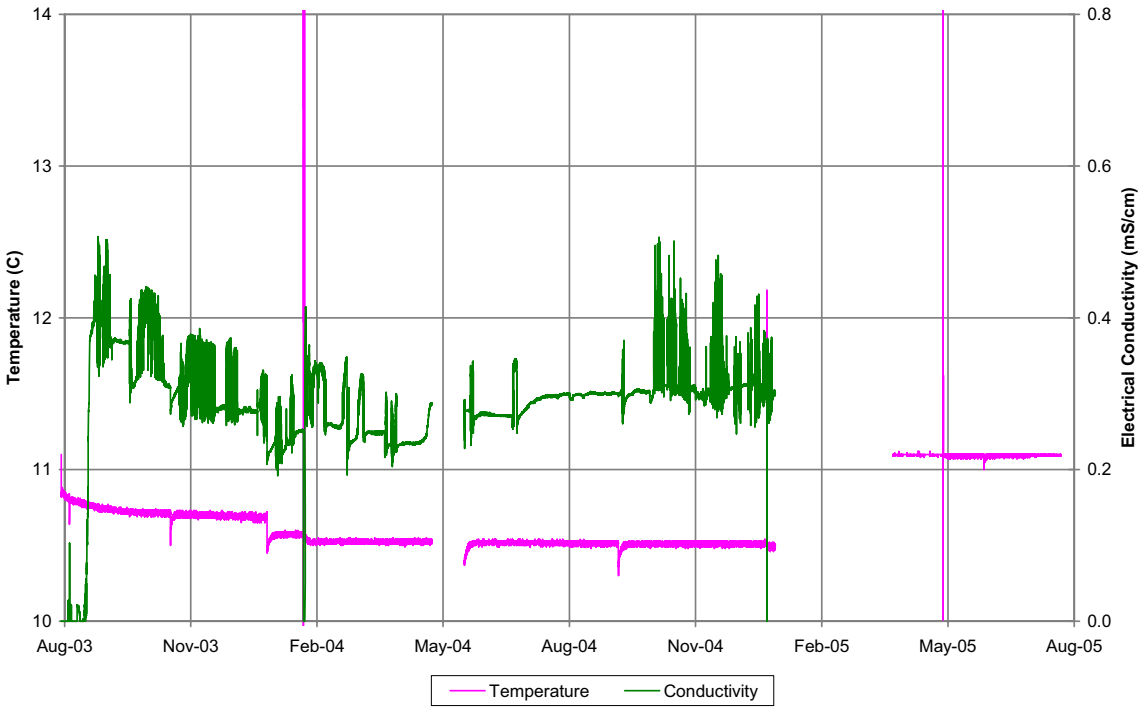




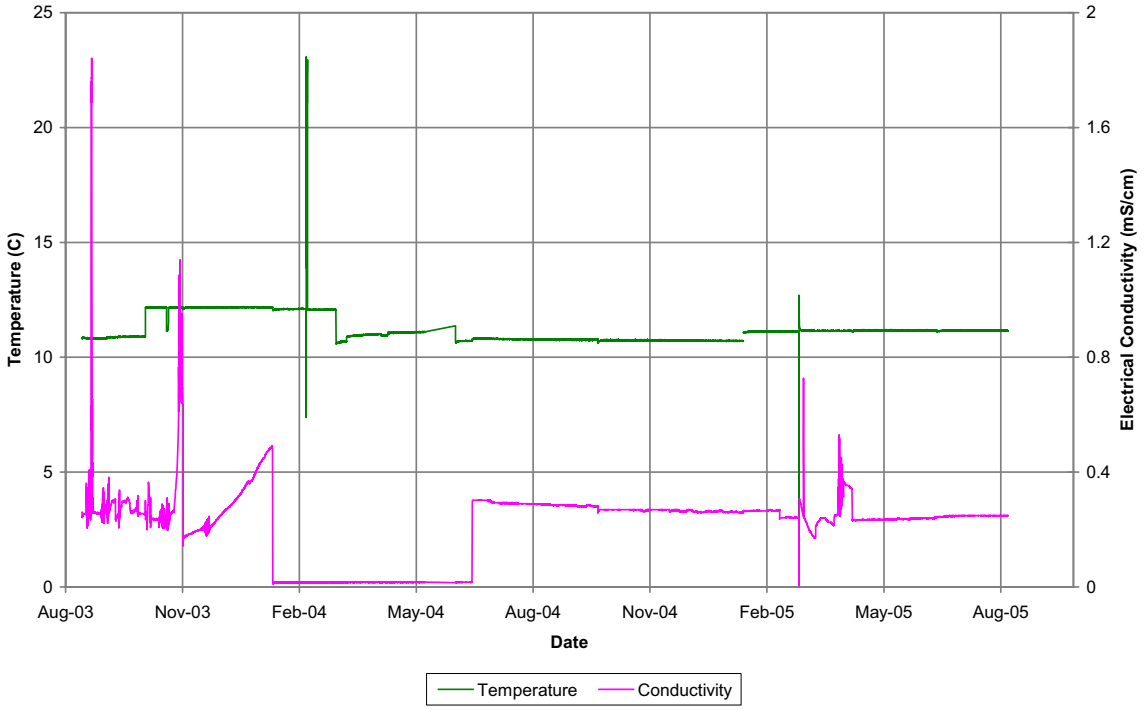

Temperature and Conductivity at Well 33-4
15.0
14.0
13.0
12.0
11.0
10.0
Temperature (C)
2.5
2.0
1.5
1.0
0.5
0.0
Electrical Conductivity (mS/cm)
Aug-03
Oct-03
Dec-03
Feb-04
Apr-04
Jun-04
Aug-04
Oct-04
Dec-04
Feb-05
Apr-05
Date
Temperature
Conductivity


Temperature and Conductivity at Well 37-4
15.0
14.0
13.0
12.0
11.0
10.0
Temperature (C)
1.0
0.8
0.6
0.4
0.2
0.0
Electrical Conductivity (mS/cm)
Jan-04
Apr-04
Jul-04
Oct-04
Jan-05
Apr-05
Jul-05
Date
Temperature
Conductivity

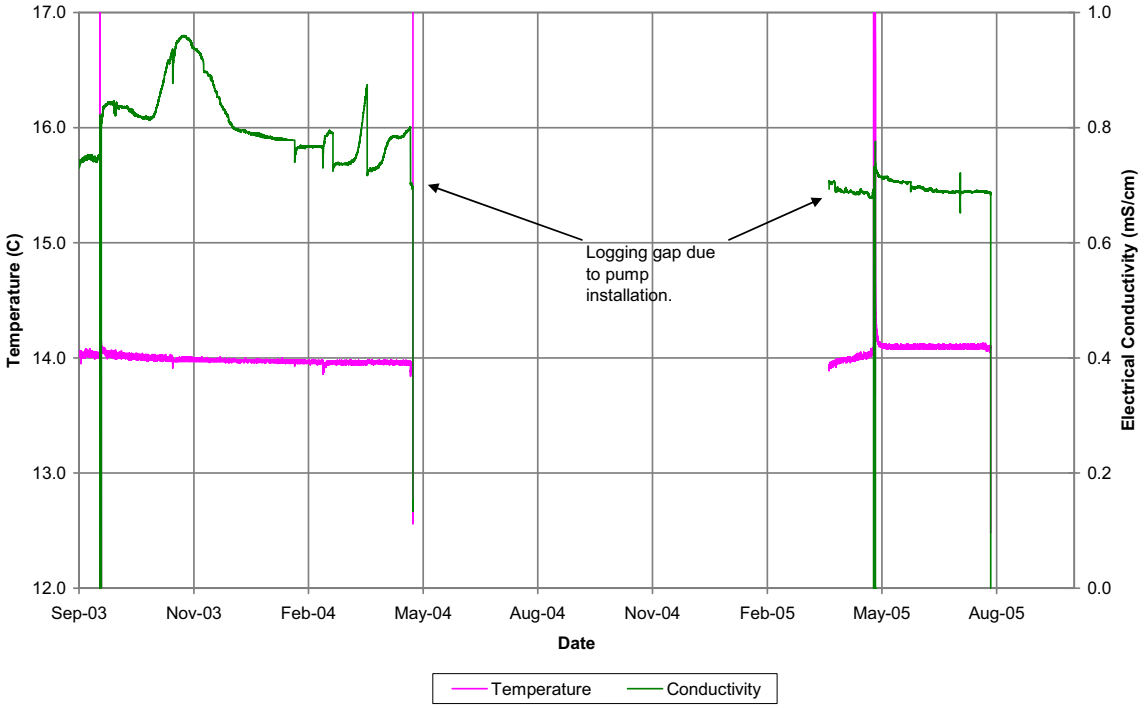
Temperature and Conductivity at Well BLR-CH



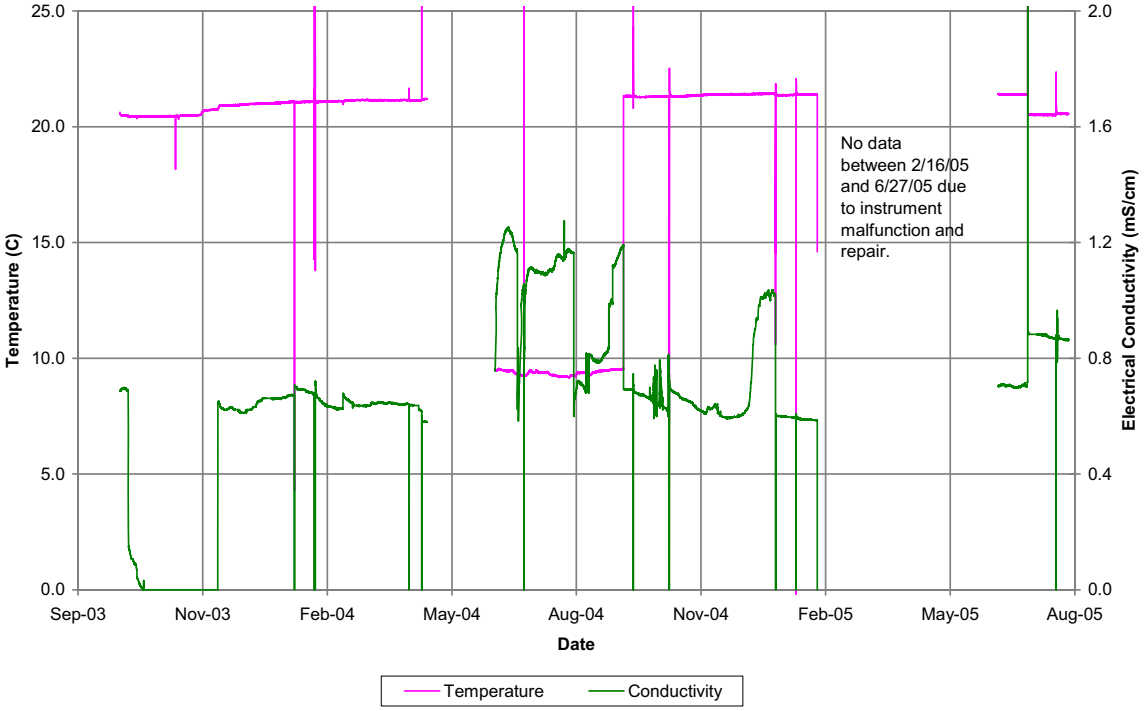
Temperature and Conductivity at Well BLR-DP



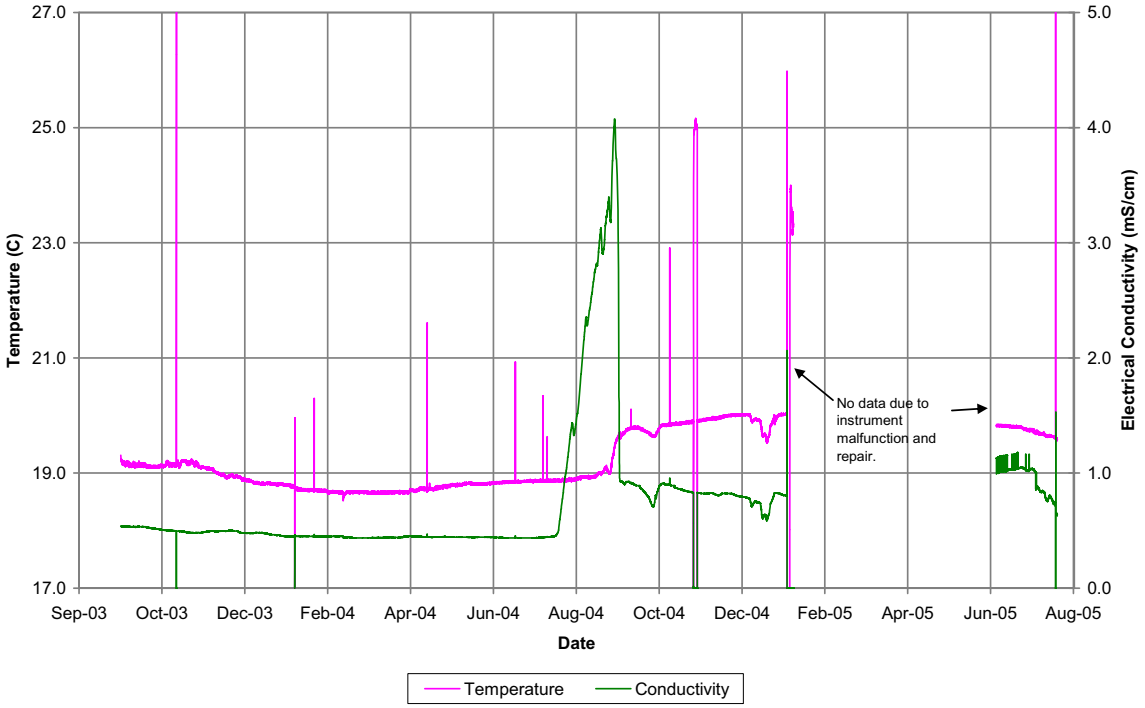
Temperature and Conductivity at Well MW-1-4



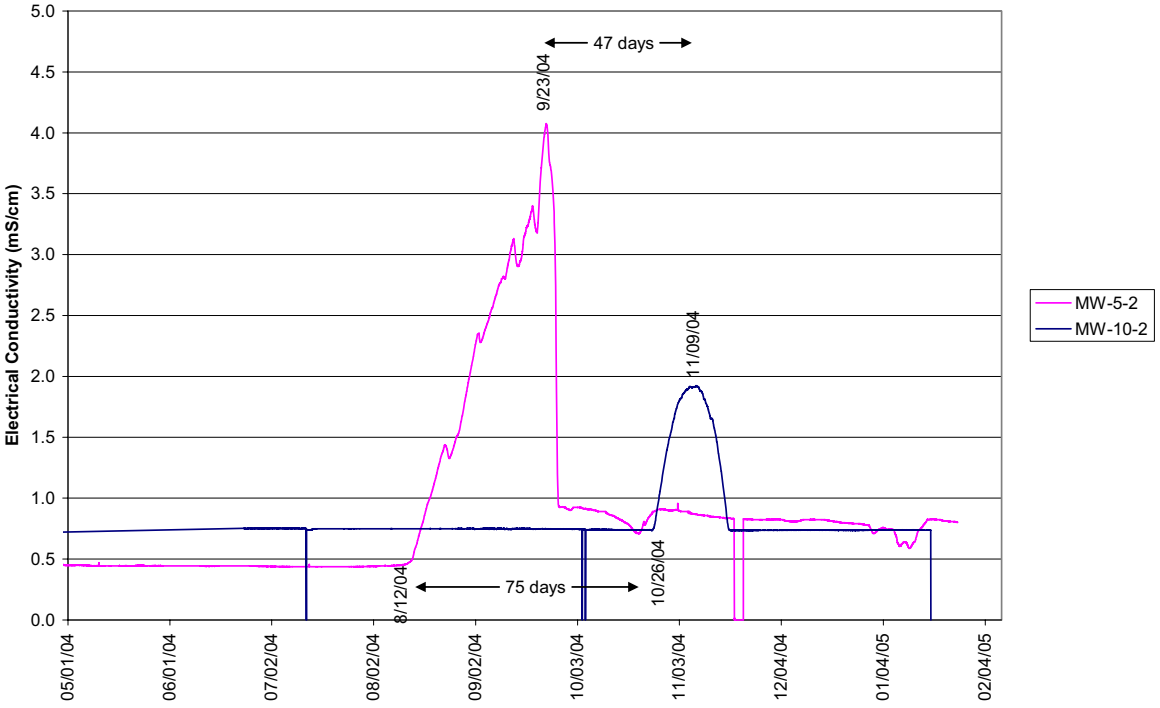
Temperature and Conductivity at Well MW-2



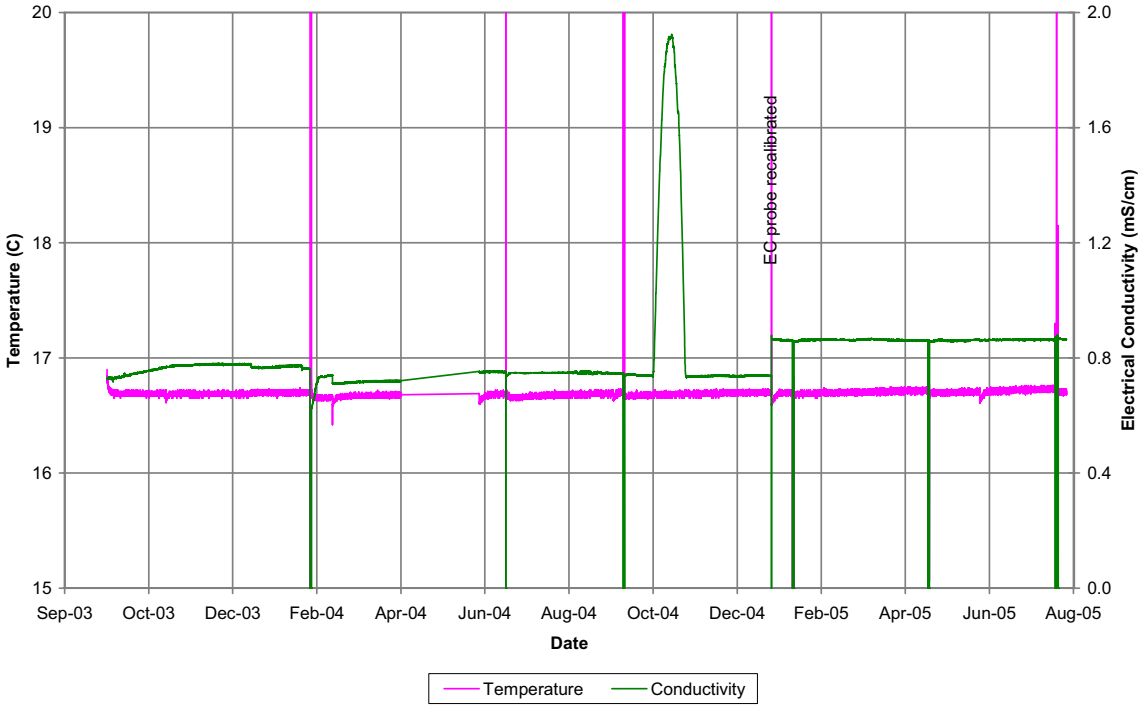
Temperature and Conductivity at Well MW-5-2



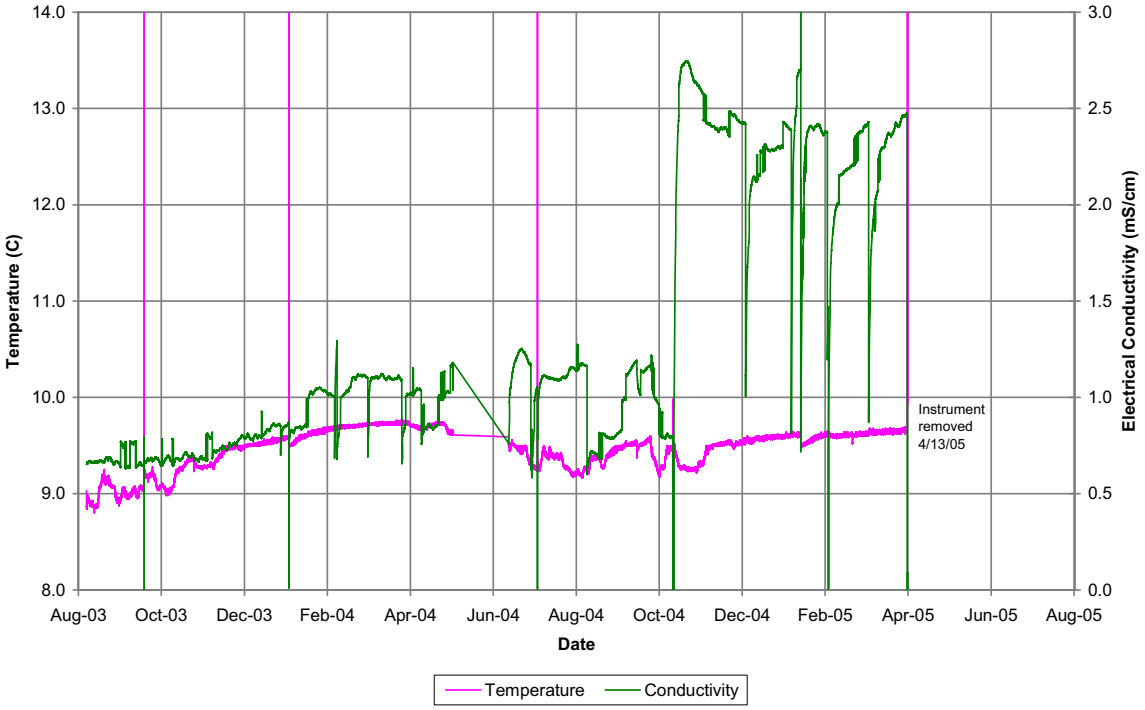
Electrical Conductivity Spike at MW-5-2 and MW-10-2



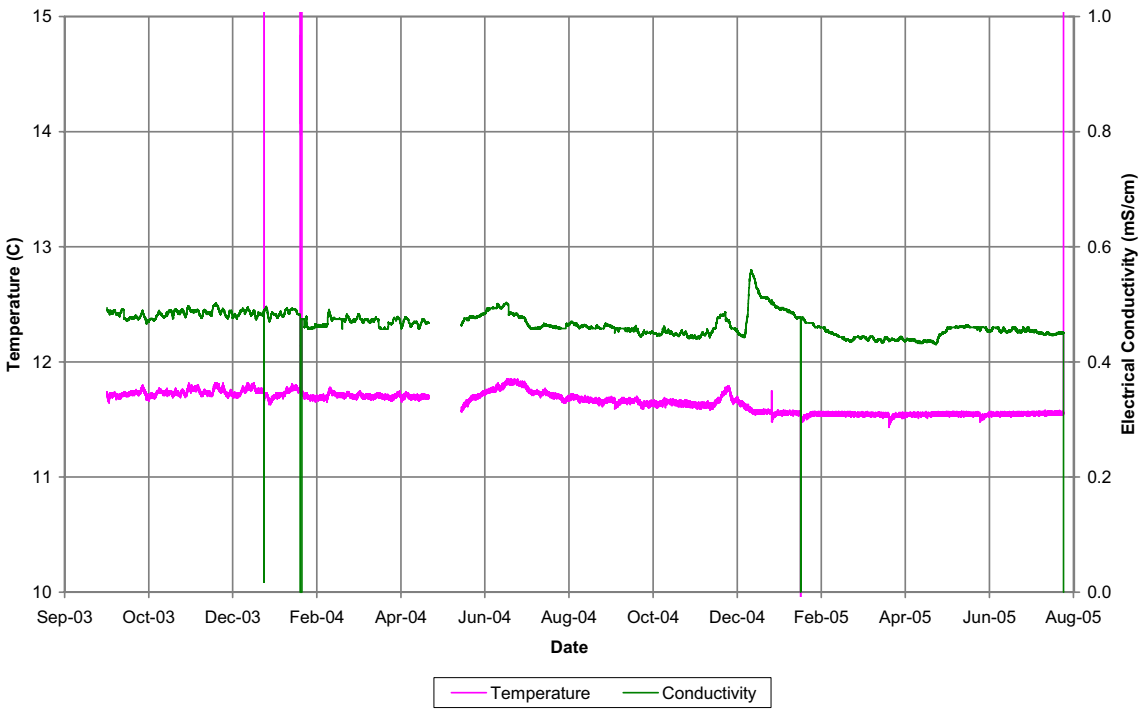
Temperature and Conductivity at Well MW-10-2



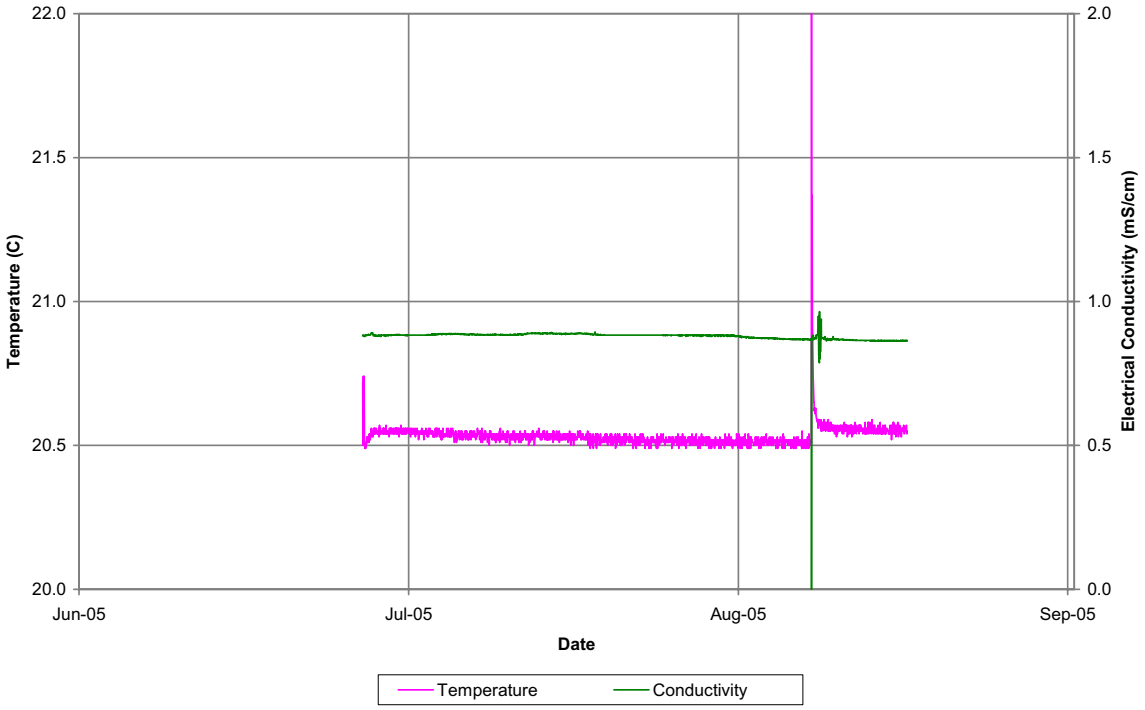
Temperature and Conductivity at Well MW-24

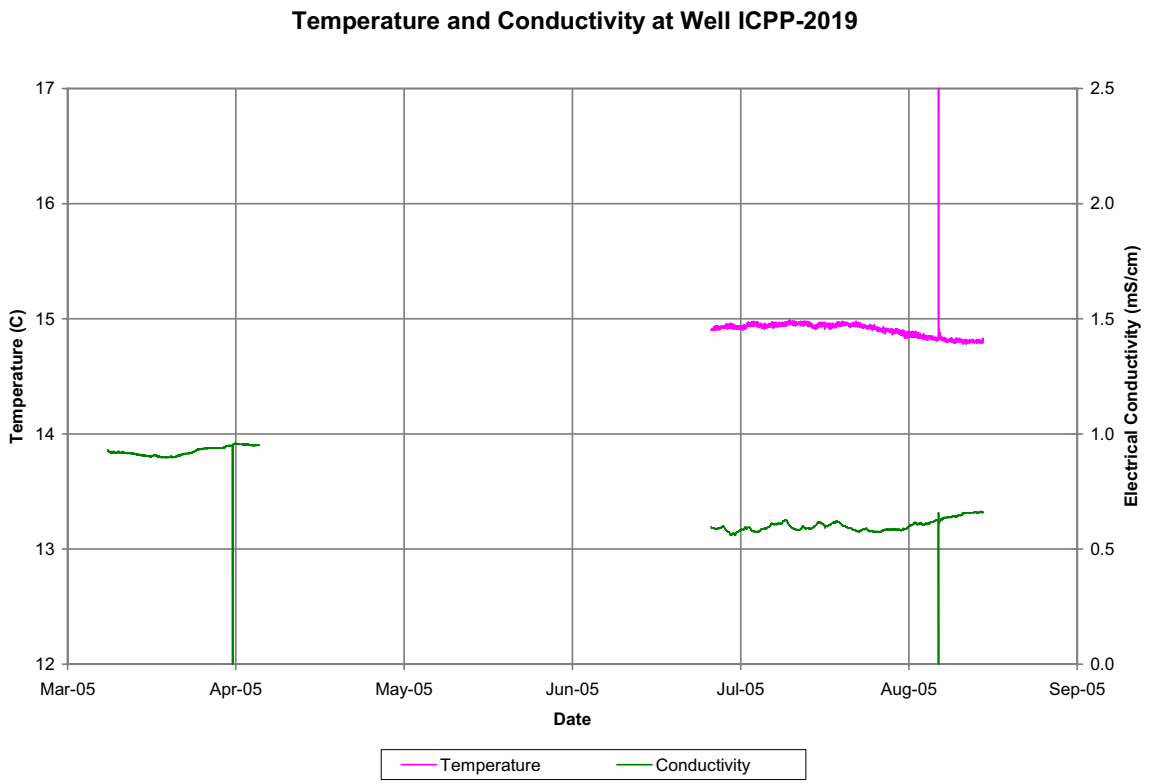


Temperature and Conductivity at Well TF-CH



Temperature and Conductivity at Well ICPP-2018



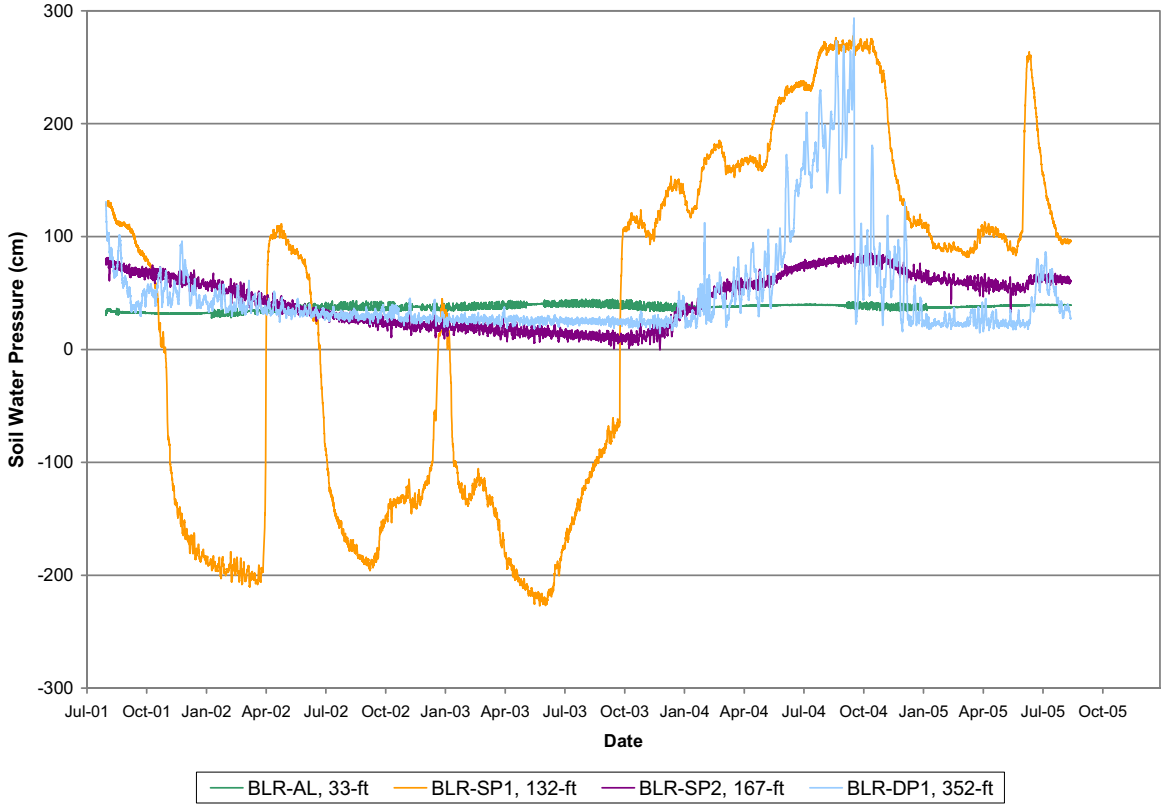

Temperature and Conductivity at Well ICPP-2019
Temperature (C)
Electrical Conductivity (mS/cm)
17
16
15
14
13
12
2.5
2.0
1.5
1.0
0.5
0.0
Mar-05
Apr-05
May-05
Jun-05
Jul-05
Aug-05
Sep-05
Date
Temperature
Conductivity

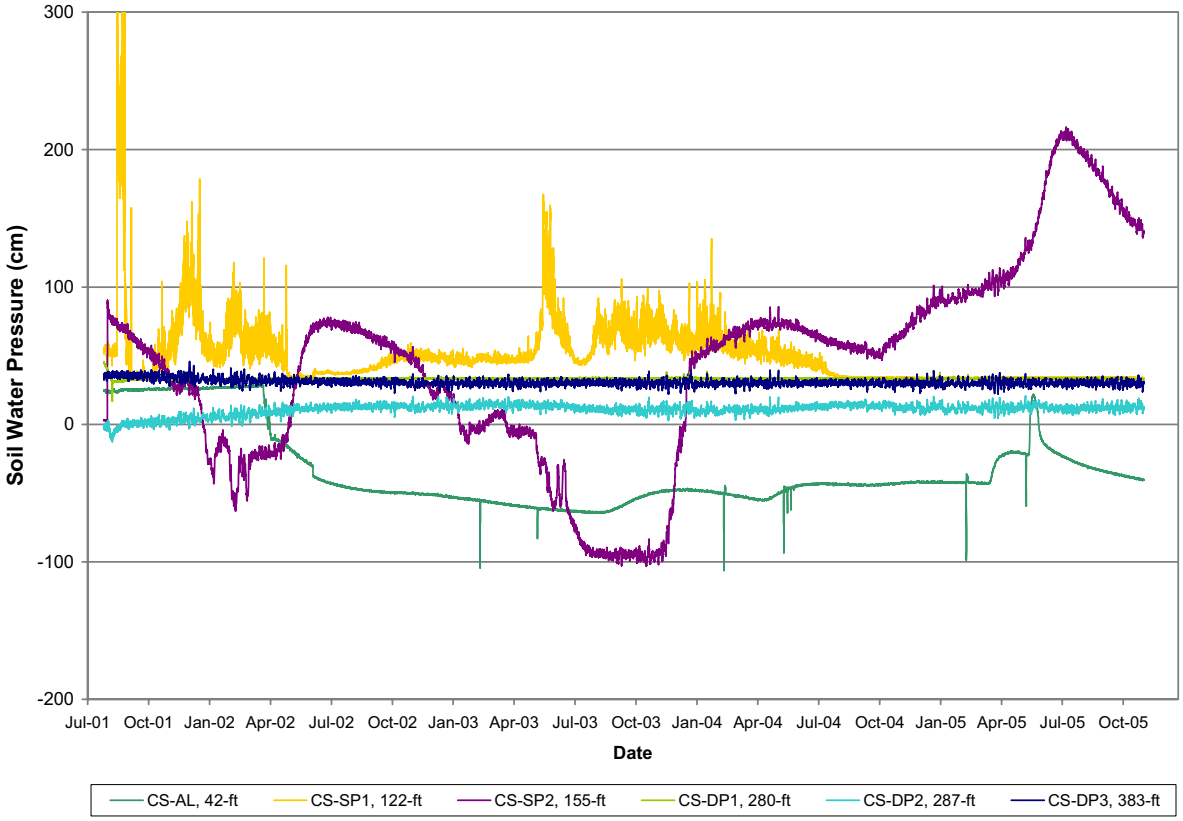
Appendix F

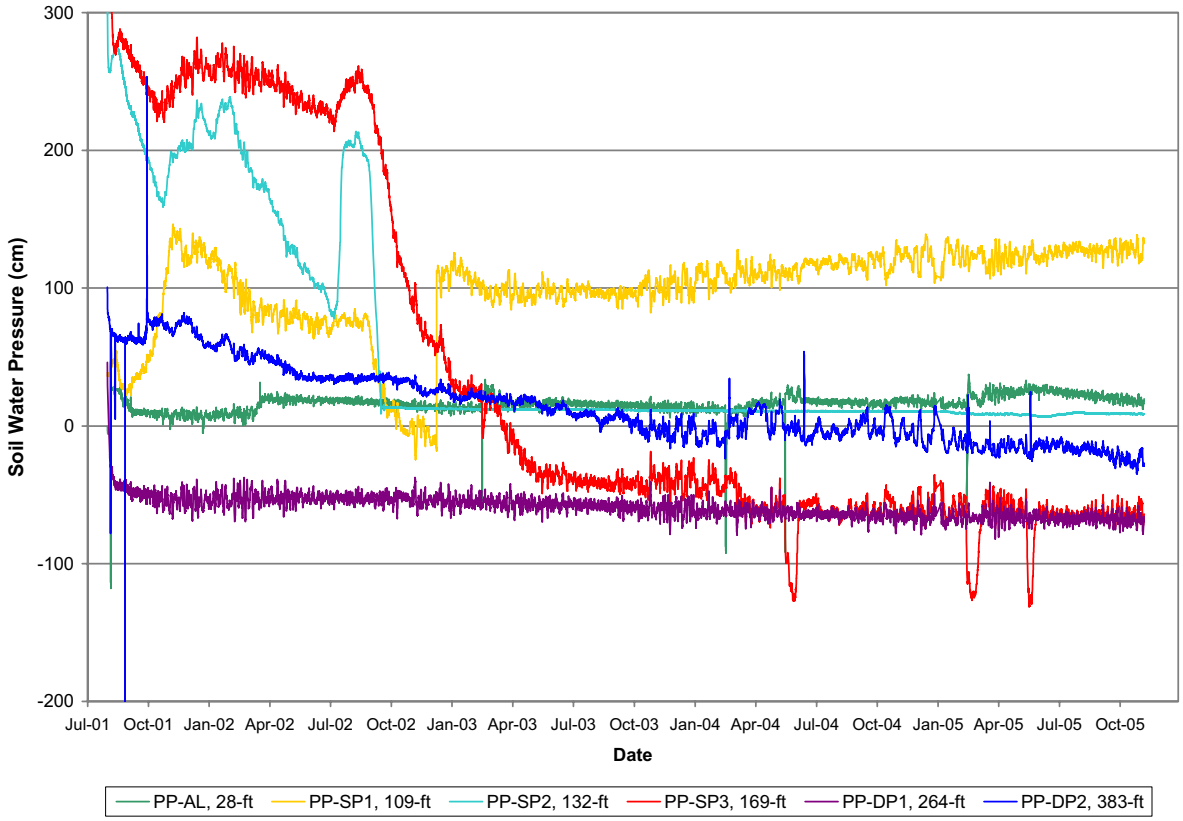
Tensiometer Graphs

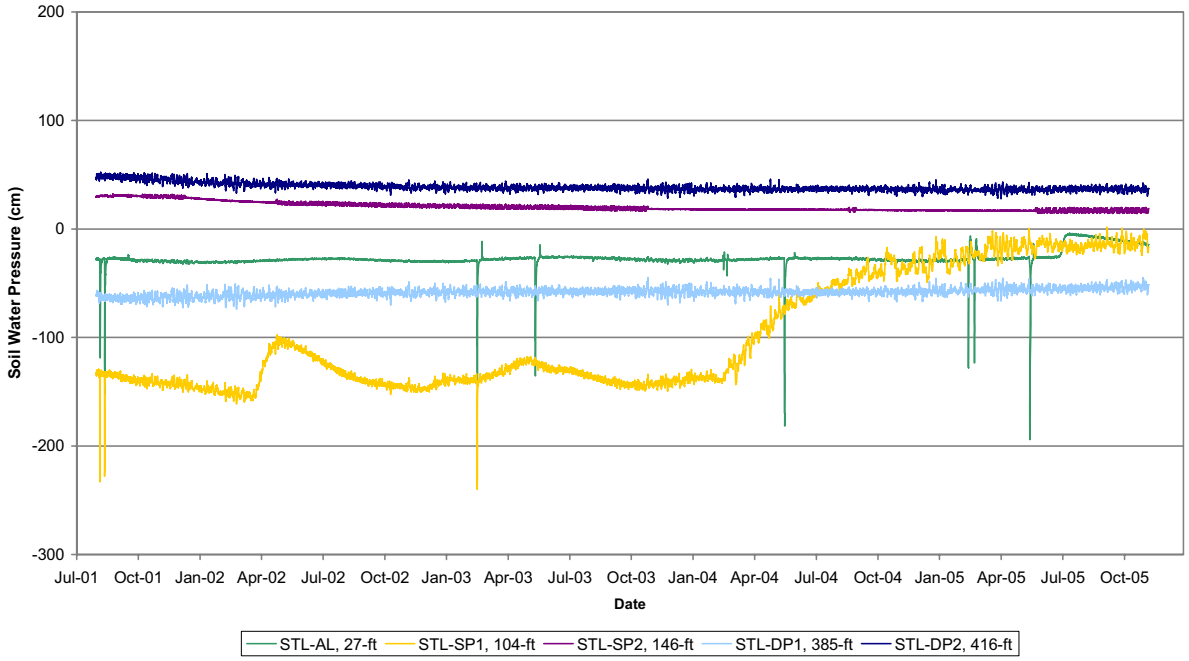
Appendix F

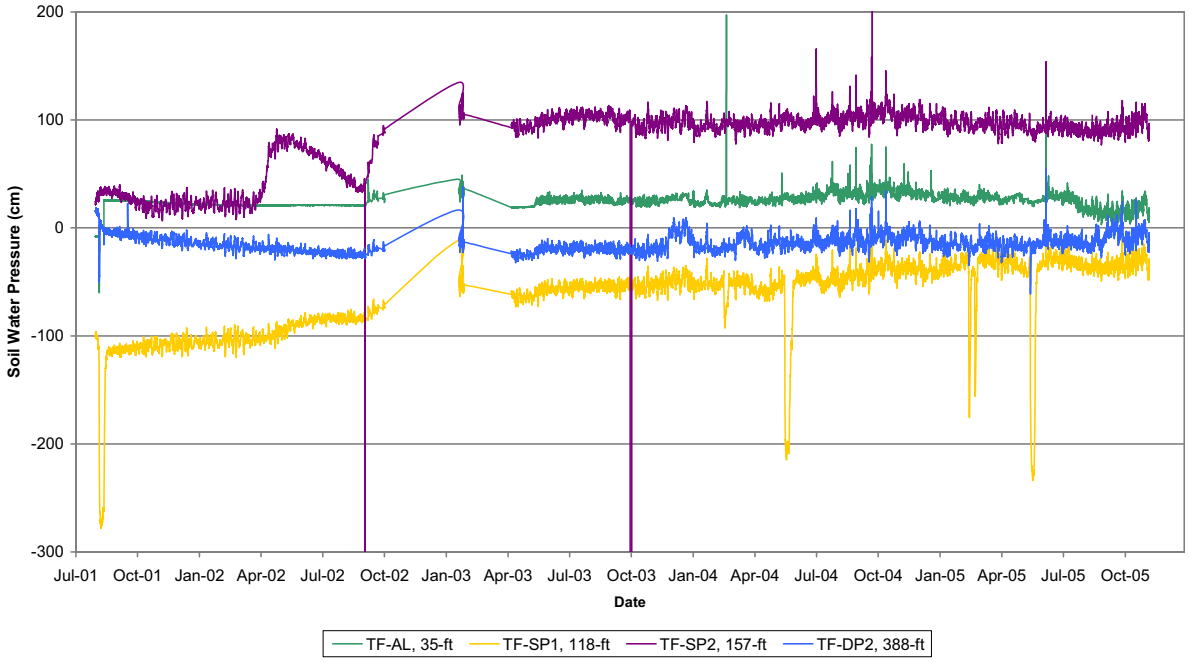
Tensiometer Data




300
200
100
0
-100
-200
Soil Water Pressure (cm)
Jul-01
Oct-01
Jan-02
Apr-02
Jul-02
Oct-02
Jan-03
Apr-03
Jul-03
Oct-03
Jan-04
Apr-04
Jul-04
Oct-04
Jan-05
Apr-05
Jul-05
Oct-05
Date
CS-AL, 42-ft
CS-SP1, 122-ft
CS-SP2, 155-ft
CS-DP1, 280-ft
CS-DP2, 287-ft
CS-DP3, 383-ft


300
200
100
0
-100
-200
Soil Water Pressure (cm)
Jul-01
Oct-01
Jan-02
Apr-02
Jul-02
Oct-02
Jan-03
Apr-03
Jul-03
Oct-03
Jan-04
Apr-04
Jul-04
Oct-04
Jan-05
Apr-05
Jul-05
Oct-05
Date
PP-AL, 28-ft
PP-SP1, 109-ft
PP-SP2, 132-ft
PP-SP3, 169-ft
PP-DP1, 264-ft
PP-DP2, 383-ft


200
100
0
-100
-200
-300
Soil Water Pressure (cm)
Jul-01
Oct-01
Jan-02
Apr-02
Jul-02
Oct-02
Jan-03
Apr-03
Jul-03
Oct-03
Jan-04
Apr-04
Jul-04
Oct-04
Jan-05
Apr-05
Jul-05
Oct-05
Date
STL-AL, 27-ft
STL-SP1, 104-ft
STL-SP2, 146-ft
STL-DP1, 385-ft
STL-DP2, 416-ft


200
100
0
-100
-200
-300
Soil Water Pressure (cm)
Jul-01
Oct-01
Jan-02
Apr-02
Jul-02
Oct-02
Jan-03
Apr-03
Jul-03
Oct-03
Jan-04
Apr-04
Jul-04
Oct-04
Jan-05
Apr-05
Jul-05
Oct-05
Date
TF-AL, 35-ft
TF-SP1, 118-ft
TF-SP2, 157-ft
TF-DP2, 388-ft

Appendix G

Completion Diagrams for Monitoring Wells Installed in 2005

Appendix G

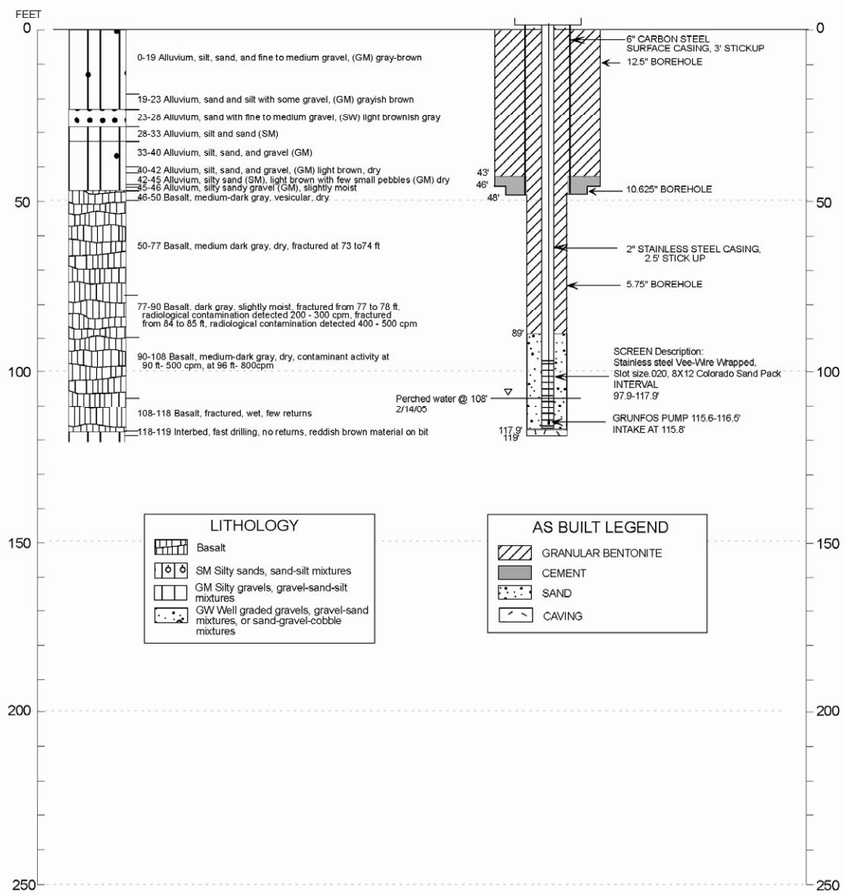
Completion Diagrams for Monitoring Wells Installed in 2005

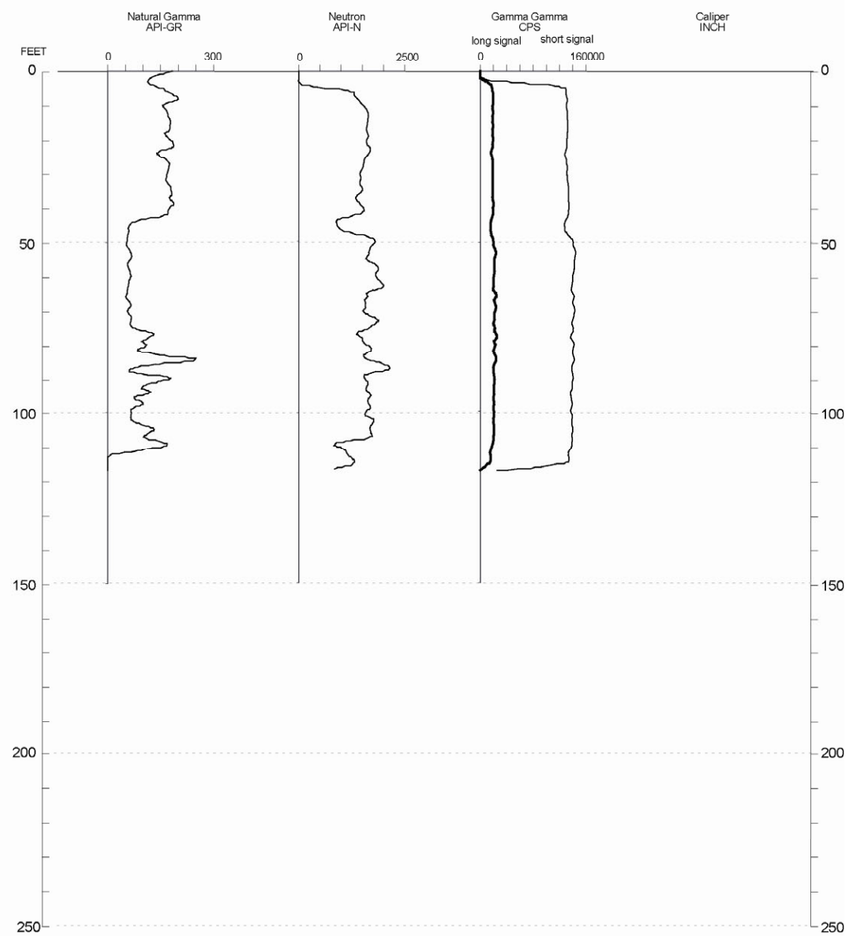
WELL NAME: **ICPP-2018**
Facility: INTEC
Well Type: Monitoring
Well Status: Active
Year Drilled: 2005
Total Depth: 119'
Drilling Start Date: 2/10/05 End Date: 2/14/05
Completion Start Date: 2/17/05 End Date: 2/18/05
Completion Depth: 117.9'

Page 1 of 1

Driller: Dynatec/Rosario, Jensen
Geologist: Manchester, Oberhansley, Myers
Drill Method: Vacuum Rotary/ Air Rotary
Drill Fluid: Air/Water
Elevation: 4913.26 (29 BC) 4915.85 (29 MP) 4916.75 (88 BC) 4919.34 (88MP)

Todays Date: 5/18/05
Water Level: 108' BLS
Water Level Date: 2/14/05
Water Level Access: 2" well casing

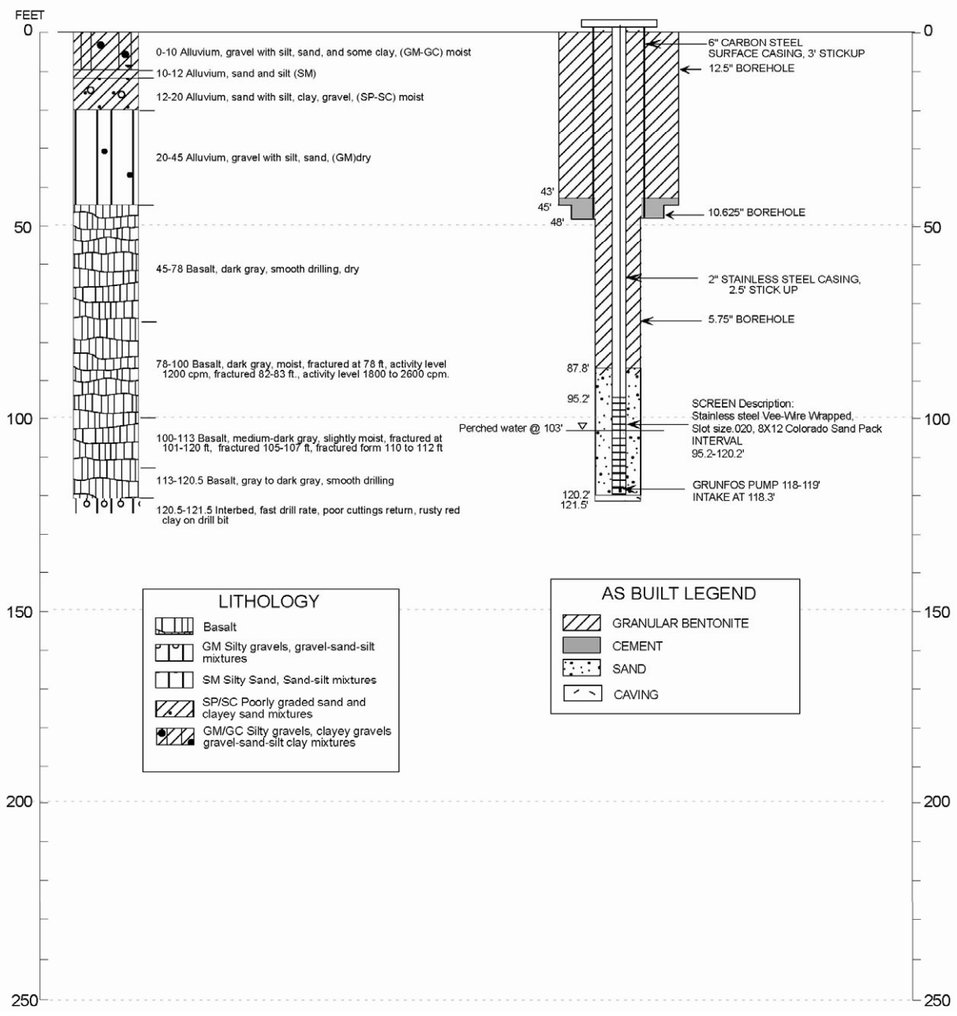


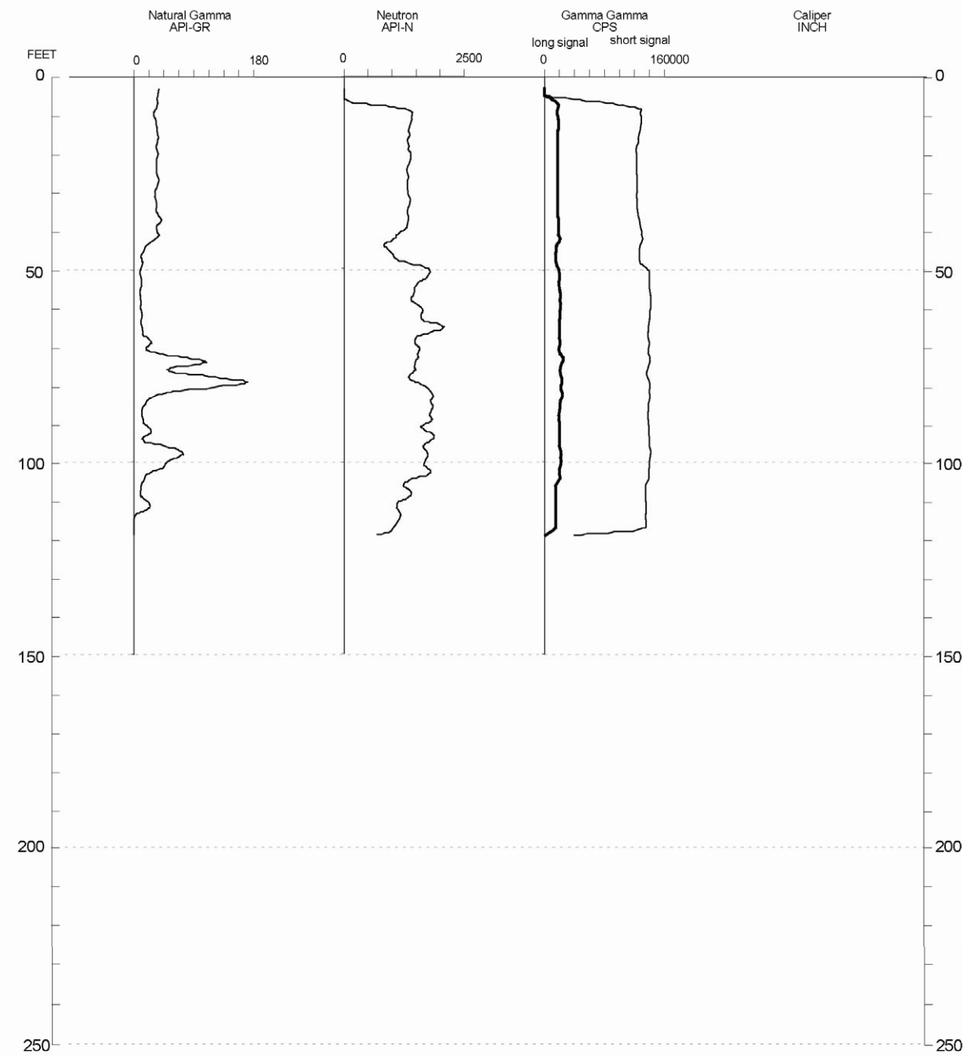


WELL NAME: **ICPP-2019**
Facility: INTEC
Well Type: Monitoring
Well Status: Active
Year Drilled: 2005
Total Depth: 121.5'
Drilling Start Date: 2/4/05 End Date: 2/9/05
Completion Start Date: 2/19/05 End Date: 2/19/05
Completion Depth: 120.2'

Driller: Dynatec/Rosario, Jensen
Geologist: Manchester, Oberhansley, Myers
Drill Method: Vacuum Rotary/ Air Rotary
Drill Fluid: Air/Water
Elevation: 4912.06 (29 BC) 4914.65 (29 MP) 4915.55 (88 BC) 4918.14 (88MP)

Todays Date: 5/23/05
Water Level: 103' BLS
Water Level Date: 2/9/05
Water Level Access: 2" well casing

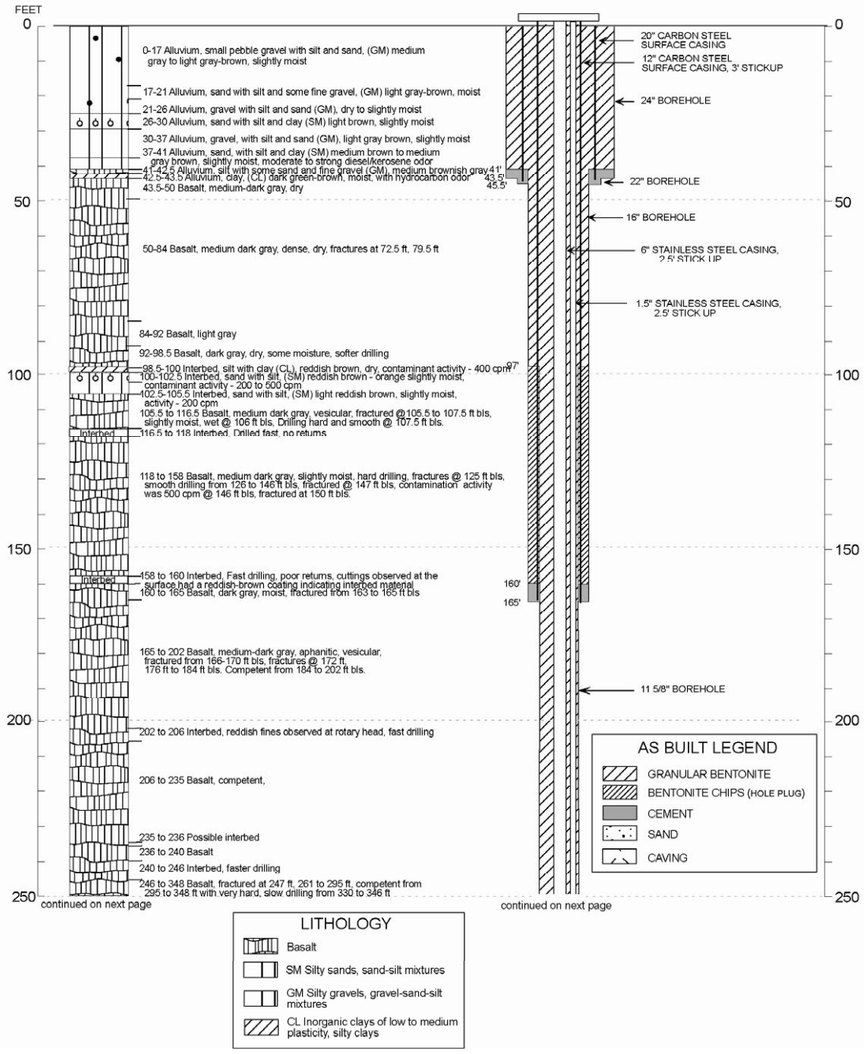


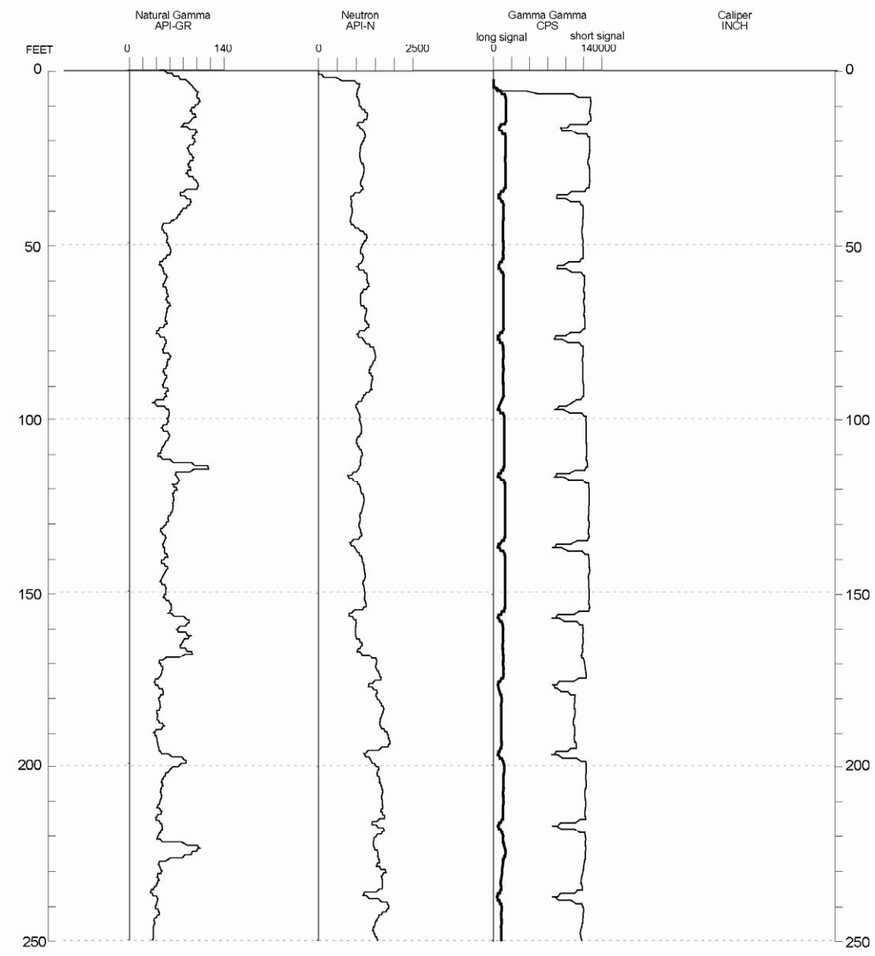


WELL NAME: **ICPP-2020**
Facility: INTEC
Well Type: Monitoring
Well Status: Active
Year Drilled: 2005
Total Depth: 506'
Drilling Start Date: 2/15/05 End Date: 3/4/05
Completion Start Date: 3/28/05 End Date: 3/29/05
Completion Depth: 495'

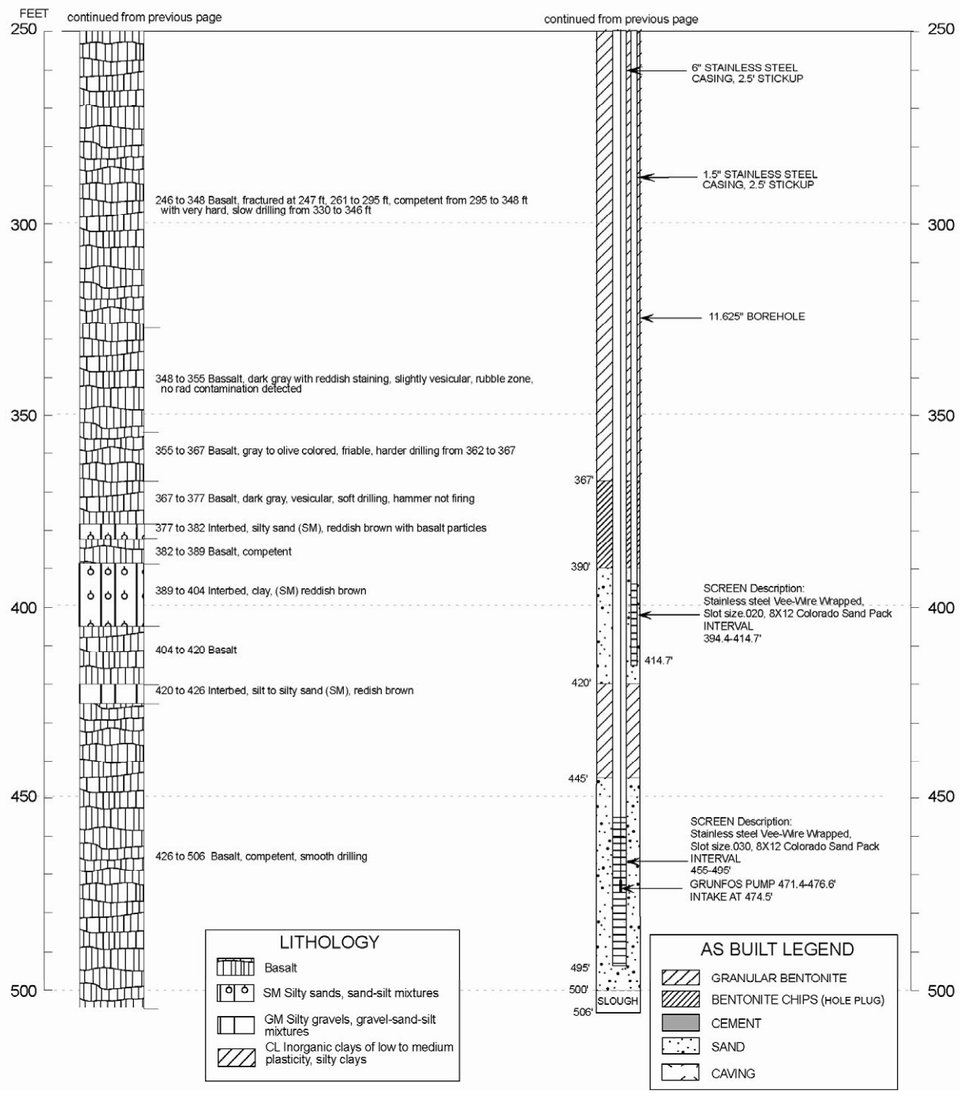
Driller: Dynatec/Rosario, Jensen
Geologist: Manchester, Oberhansley, Myers
Drill Method: Vacuum Rotary/ Air Rotary
Drill Fluid: Air/Foam/Water
Elevation: 4914.36 (29 BC) 4916.92 (29 MP) 4917.85 (88 BC) 4920.41 (88MP)

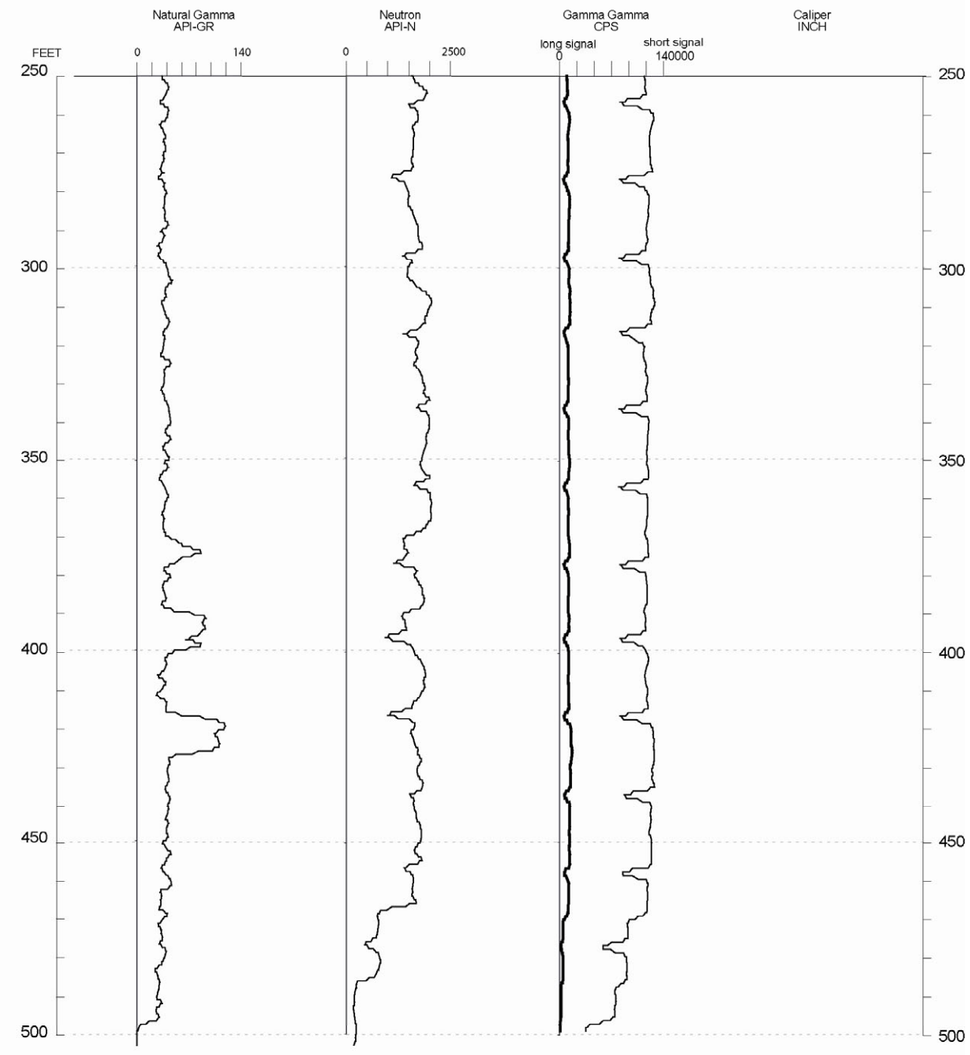
Todays Date: 5/23/05
Water Level: 462' BLS
Water Level Date: 3/5/05
Water Level Access: 1" SS pipe +2.2 to 450.5'





WELL NAME: **ICPP-2020**

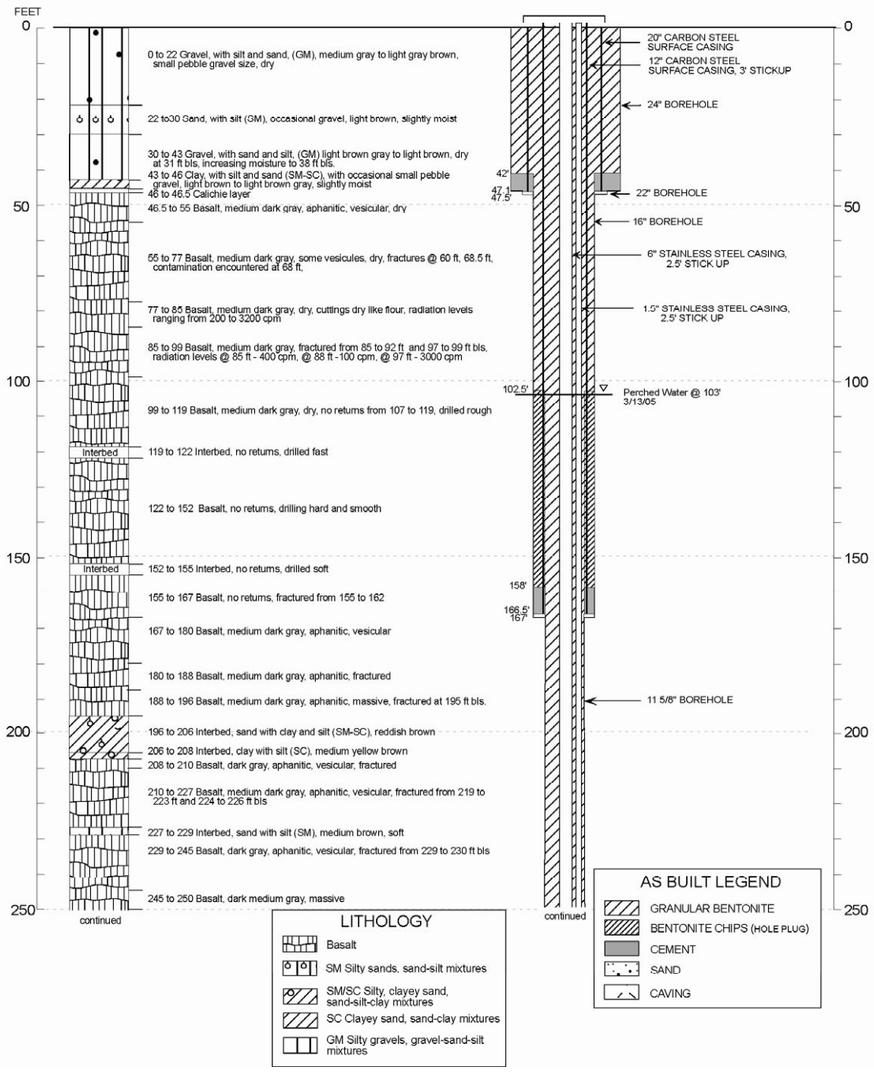




WELL NAME: **ICPP-2021**
Facility: INTEC
Well Type: Monitoring
Well Status: Active
Year Drilled: 2005
Total Depth: 507'
Drilling Start Date: 3/5/05 End Date: 3/18/05
Completion Start Date: 3/23/05 End Date: 3/24/05
Completion Depth: 493.4'

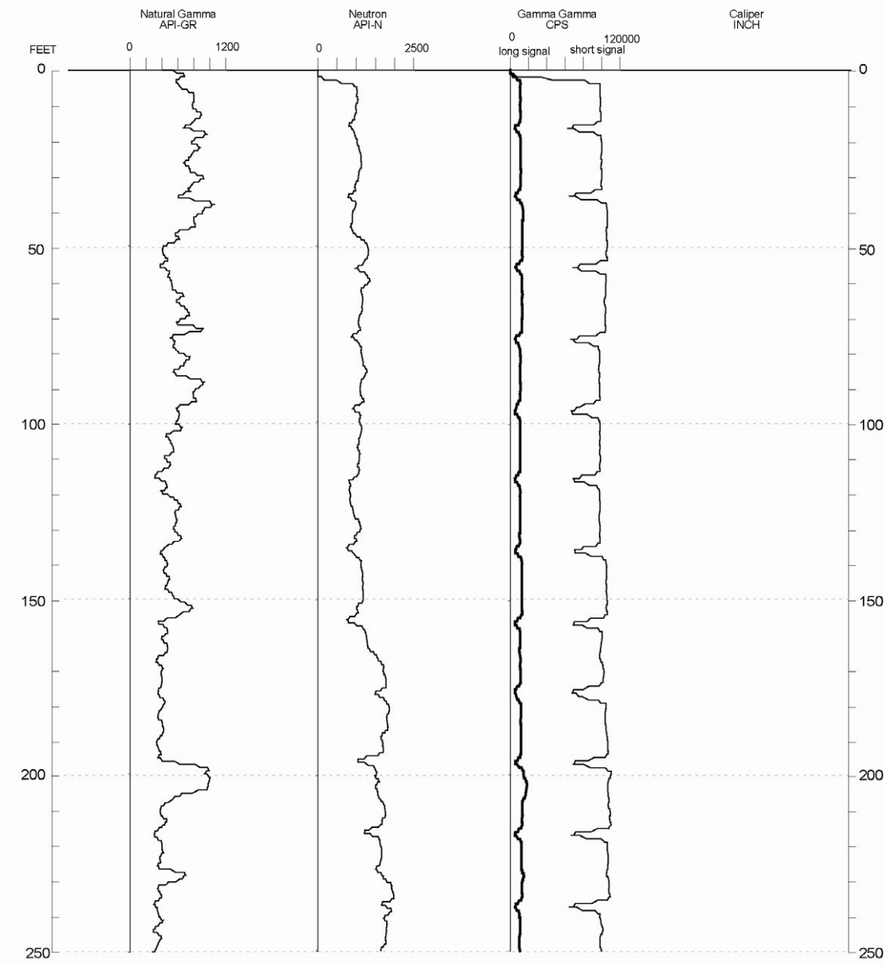
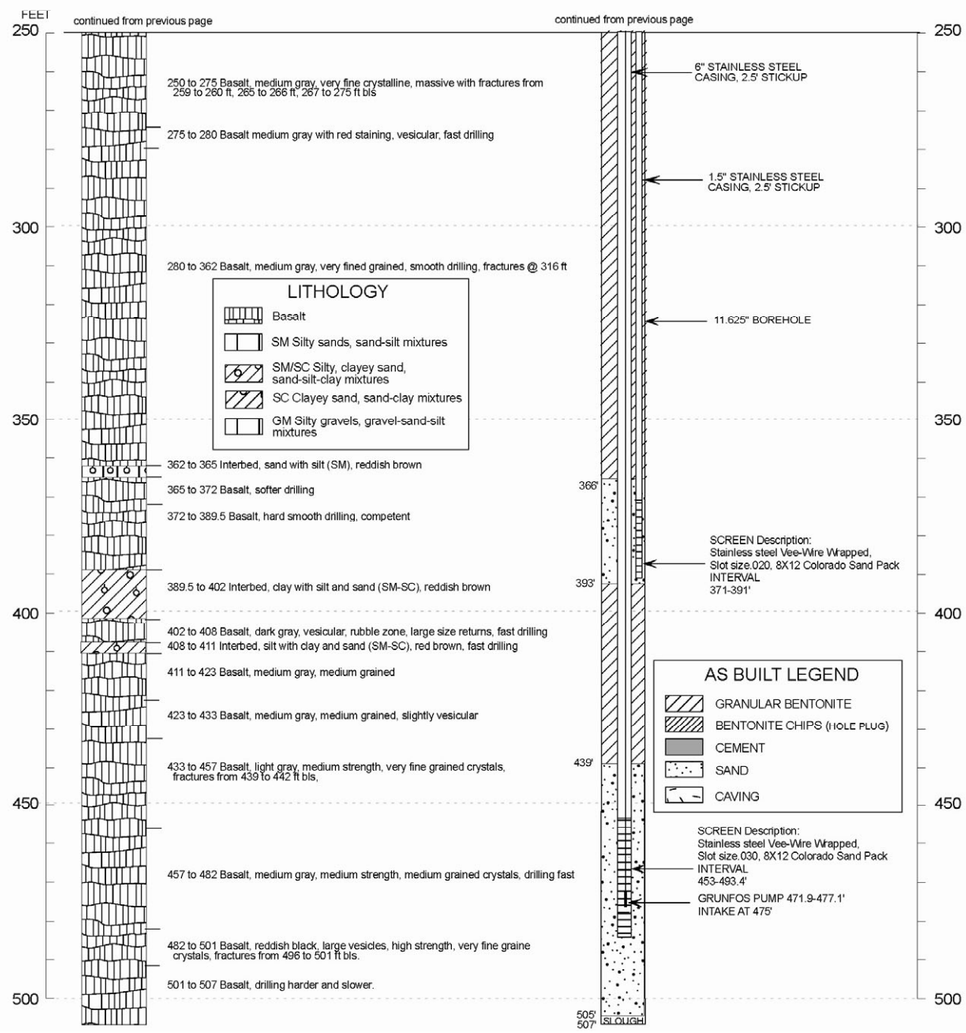
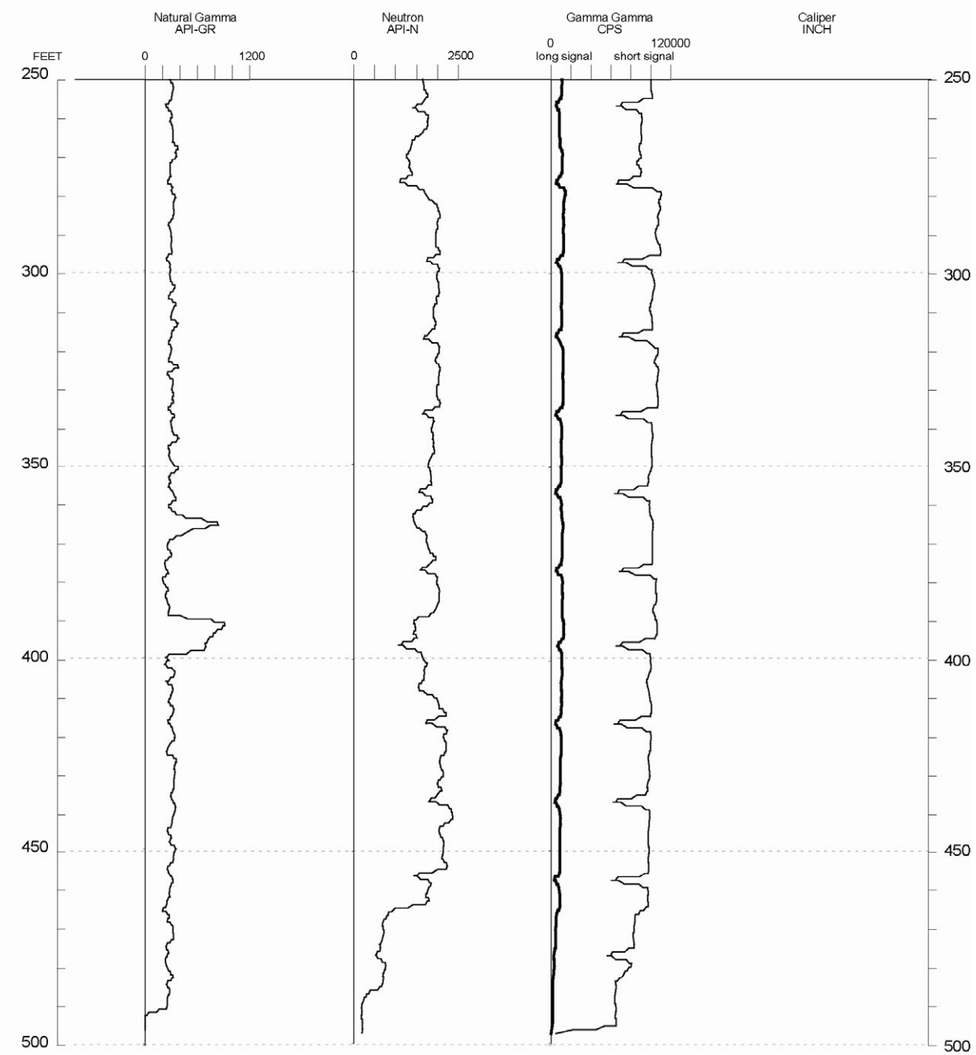
Driller: Dynatec/Rosario, Jensen
Geologist: Manchester, Oberhansley, Myers
Drill Method: Vacuum Rotary/ Air Rotary
Drill Fluid: Air/Foam/Water
Elevation: 4912.14 (29 BC) 4914.70 (29 MP) 4915.63 (88 BC) 4918.19 (88MP)

Todays Date: 6/9/05
Water Level: Perched 103' 3/13/05 ~462' BLS
Water Level Date: 3/21/05
Water Level Access: 1" SS pipe +2.2 to 450.5'



LITHOLOGY
- Basalt
- SM Silty sands, sand-silt mixtures
- SM/SC Silty, clayey sand, sand-silt-clay mixtures
- SC Clayey sand, sand-clay mixtures
- GM Silty gravels, gravel-sand-silt mixtures

AS BUILT LEGEND
- GRANULAR BENTONITE
- BENTONITE CHIPS (HOLE PLUG)
- CEMENT
- SAND
- CAVING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