

APPENDIX L
GROUNDWATER REMEDY SYSTEM SAMPLING FIELD LOGS

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pole Co.
 Project No.: MCFR2-03423
 Date: 1/31/14

Well No.: SP-2
 Sampled By: RMF

WELL INFORMATION	
Depth of Well	(ft)
M.P. Location	
Depth to Water	(TOC - ft)
Water Column	(ft)
Well Diameter	(inches)
Casing Volume*	(gal)
Purge Volume	(gal)
Product Thickness	(ft)
Well Condition	
Weather	

PURGE DATA					
Start Purge Time: <u>1750</u>					
Vol. Purged (gal)	<u>5 gal</u>				
Time					
Flow Rate					
pH (units)	<u>7.01</u>				
Conductivity (mmhos/cm) (@ 25C)	<u>981</u>				
Temp. (C)	<u>9.2</u>				
Redox (mV)	<u>57</u>				
Dissolved Oxygen (mg/L)	<u>1.39</u>				
Water Color	<u>turbid</u>				
Purge Equipment:					

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
<u>SP-2</u>	<u>1800</u>	<u>PCP 8043</u>	<u>500mL Amber</u>	<u>2</u>	<u>None</u>
		<u>PAH 8270</u>	<u>500mL Amber</u>	<u>2</u>	<u>None</u>
Sample Equipment					

ADDITIONAL INFORMATION

TOC - Top of Casing

*Casing volume = $((r+12)^2 \times \pi \times 7.48 \text{ gal / ft}) \times h$

r = radius in inches

h = height of water in ft

MP = measuring point

2" well, casing vol = 0.163 x h

4" well, casing vol = 0.652 x h

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pole Co.
 Project No.: MCFR2-03423
 Date: 1/31/14

Well No.: SP-6
 Sampled By: RMF

WELL INFORMATION	
Depth of Well	(ft)
M.P. Location	
Depth to Water	(TOC - ft)
Water Column	(ft)
Well Diameter	(inches)
Casing Volume*	(gal)
Purge Volume	(gal)
Product Thickness	(ft)
Well Condition	
Weather	

PURGE DATA				
Start Purge Time:	<u>1740</u>			
Vol. Purged (gal)	<u>5 gal</u>			
Time				
Flow Rate				
pH (units)	<u>6.90</u>			
Conductivity (mmhos/cm) (@ 25C)	<u>810</u>			
Temp. (C)	<u>9.1</u>			
Redox (mV)	<u>111</u>			
Dissolved Oxygen (mg/L)	<u>0.14</u>			
Water Color	<u>clear</u>			
Purge Equipment:				

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
<u>SP-6</u>	<u>1745</u>	<u>SIM 8270</u>	<u>500 mL Amber</u>	<u>2</u>	<u>None</u>
Sample Equipment					

ADDITIONAL INFORMATION
 TOC = Top of Casing
 *Casing volume = $((r+12)^2 \times \pi \times 7.48 \text{ gal} / \text{ft}) \times h$
 r = radius in inches
 h = height of water in ft
 MP = measuring point
 2" well, casing vol = 0.183 x h
 4" well, casing vol = 0.652 x h

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pole Co.
 Project No.: MCFR2-03423
 Date: 1/31/14

Well No.: SP-7
 Sampled By: RMF

WELL INFORMATION	
Depth of Well	(ft)
M.P. Location	
Depth to Water	(TOC - ft)
Water Column	(ft)
Well Diameter	(inches)
Casing Volume*	(gal)
Purge Volume	(gal)
Product Thickness	(ft)
Well Condition	
Weather	

PURGE DATA				
Start Purge Time:	<u>1705</u>			
Vol. Purged (gal)	<u>5 gal</u>			
Time				
Flow Rate				
pH (units)	<u>6.92</u>			
Conductivity (mmhos/cm) (@ 25C)	<u>789</u>			
Temp. (C)	<u>9.3</u>			
Redox (mV)	<u>124</u>			
Dissolved Oxygen (mg/L)	<u>0.36</u>			
Water Color	<u>Clear</u>			
Purge Equipment:				

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
<u>SP-7</u>	<u>1730</u>	<u>SIM 8270</u>	<u>500 mL Amber</u>	<u>2</u>	<u>None</u>
Sample Equipment					

ADDITIONAL INFORMATION

TOC - Top of Casing

*Casing volume = $((r+12)^2 \times \pi \times 7.48 \text{ gal / ft}) \times h$

r = radius in inches

h = height of water in ft

MP = measuring point

2' well, casing vol = 0.163 x h

4' well, casing vol = 0.652 x h

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pale Co.
 Project No.: MCFR2-03423
 Date: 2/27/14

Well No.: SP-2
 Sampled By: RMF

WELL INFORMATION	
Depth of Well	(ft)
M.P. Location	
Depth to Water	(TOC - ft)
Water Column	(ft)
Well Diameter	(inches)
Casing Volume*	(gal)
Purge Volume	(gal)
Product Thickness	(ft)
Well Condition	
Weather	

PURGE DATA				
Start Purge Time: <u>1055</u>				
Vol. Purged (gal)	<u>5 gal</u>			
Time				
Flow Rate				
pH (units)	<u>6.9</u>			
Conductivity (mmhos/cm) (@ 25C)	<u>710</u>			
Temp. (C)	<u>8.7</u>			
Redox (mV)	<u>94</u>			
Dissolved Oxygen (mg/L)	<u>1.89</u>			
Water Color	<u>turbid</u>			
Purge Equipment:				

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
<u>SP-2</u>	<u>1100</u>	<u>PCP 8043</u>	<u>500mL Amber</u>	<u>2</u>	<u>None</u>
		<u>PAH 8270</u>	<u>500mL Amber</u>	<u>2</u>	<u>None</u>
Sample Equipment					

ADDITIONAL INFORMATION

TOC - Top of Casing

*Casing volume = $((r+12)^2 \times \pi \times 7.48 \text{ gal / ft}) \times h$

r = radius in inches

h = height of water in ft

MP = measuring point

2" well, casing vol = 0.163 x h

4" well, casing vol = 0.652 x h

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pole Co.
 Project No.: MCFR2-03423
 Date: 2/27/14

Well No.: SP-7
 Sampled By: RMF

WELL INFORMATION	
Depth of Well	(ft)
M.P. Location	
Depth to Water	(TOC - ft)
Water Column	(ft)
Well Diameter	(inches)
Casing Volume*	(gal)
Purge Volume	(gal)
Product Thickness	(ft)
Well Condition	
Weather	

PURGE DATA				
Start Purge Time:	<u>1030</u>			
Vol. Purged (gal)				
Time				
Flow Rate				
pH (units)	<u>6.81</u>			
Conductivity (mmhos/cm) (@ 25C)	<u>887</u>			
Temp. (C)	<u>8.9</u>			
Redox (mV)	<u>103</u>			
Dissolved Oxygen (mg/L)	<u>2.11</u>			
Water Color	<u>Clear</u>			
Purge Equipment:				

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
<u>SP-7</u>	<u>1035</u>	<u>SIM 8270</u>	<u>500 mL Amber</u>	<u>2</u>	<u>None</u>
Sample Equipment					

ADDITIONAL INFORMATION

TOC - Top of Casing

2' well, casing vol = 0.163 x h

*Casing volume = ((r+12) x π x 7.48 gal / ft) x h

4' well, casing vol = 0.652 x h

r = radius in inches

h = height of water in ft

MP = measuring point

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pole Co.
 Project No.: MCFR2-03423
 Date: 9/3/14

Well No.: SP-2
 Sampled By: RMF

WELL INFORMATION	
Depth of Well	(ft)
M.P. Location	
Depth to Water	(TOC - ft)
Water Column	(ft)
Well Diameter	(inches)
Casing Volume*	(gal)
Purge Volume	(gal)
Product Thickness	(ft)
Well Condition	
Weather	

PURGE DATA					
Start Purge Time: <u>1305</u>					
Vol. Purged (gal)					
Time					
Flow Rate					
pH (units)	<u>7.1</u>				
Conductivity (mmhos/cm) (@ 25C)	<u>937</u>				
Temp. (C)	<u>8.1</u>				
Redox (mV)	<u>91</u>				
Dissolved Oxygen (mg/L)	<u>1.83</u>				
Water Color	<u>turbid</u>				
Purge Equipment:					

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
<u>SP-2</u>	<u>1310</u>	<u>PCP 8040</u>	<u>500mL Amber</u>	<u>2</u>	<u>None</u>
		<u>PAH 8270</u>	<u>500mL Amber</u>	<u>2</u>	<u>None</u>
Sample Equipment					

ADDITIONAL INFORMATION

TOC - Top of Casing

*Casing volume = $((r+12)^2 \times \pi \times 7.48 \text{ gal / ft}) \times h$

r = radius in inches

h = height of water in ft

MP = measuring point

2" well, casing vol = 0.163 x h

4" well, casing vol = 0.652 x h

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pole Co.
 Project No.: MCFR2-03423
 Date: 3/3/14

Well No.: SP-6
 Sampled By: RMF

WELL INFORMATION	
Depth of Well	(ft)
M.P. Location	
Depth to Water	(TOC - ft)
Water Column	(ft)
Well Diameter	(inches)
Casing Volume*	(gal)
Purge Volume	(gal)
Product Thickness	(ft)
Well Condition	
Weather	

PURGE DATA				
Start Purge Time:	<u>1250</u>			
Vol. Purged (gal)				
Time				
Flow Rate	<u> </u>			
pH (units)	<u>7.01</u>			
Conductivity (mmhos/cm) (@ 25C)	<u>891</u>			
Temp. (C)	<u>8.3</u>			
Redox (mV)	<u>123</u>			
Dissolved Oxygen (mg/L)	<u>1.91</u>			
Water Color	<u>Clear</u>			
Purge Equipment:				

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
<u>SP-6</u>	<u>1255</u>	<u>SIM 8270</u>	<u>500 mL Amber</u>	<u>2</u>	<u>None</u>
Sample Equipment					

ADDITIONAL INFORMATION

TOC - Top of Casing
 *Casing volume = $((r+12)^2 \times \pi \times 7.48 \text{ gal / ft}) \times h$
 r = radius in inches
 h = height of water in ft
 MP = measuring point

2' well, casing vol = 0.163 x h
 4' well, casing vol = 0.652 x h

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pole Co.
 Project No.: MCFR2-03423
 Date: 3/31/14

Well No.: SP-7
 Sampled By: DMF

WELL INFORMATION	
Depth of Well	(ft)
M.P. Location	
Depth to Water	(TOC - ft)
Water Column	(ft)
Well Diameter	(inches)
Casing Volume*	(gal)
Purge Volume	(gal)
Product Thickness	(ft)
Well Condition	
Weather	

PURGE DATA				
Start Purge Time:	1235			
Vol. Purged (gal)				
Time				
Flow Rate				
pH (units)	6.98			
Conductivity (mmhos/cm) (@ 25C)	874			
Temp. (C)	8.3			
Redox (mV)	109			
Dissolved Oxygen (mg/L)	2.14			
Water Color	Clear			
Purge Equipment:				

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
SP-7	1240	SIM 8270	500 mL Amber	2	None
Sample Equipment					

ADDITIONAL INFORMATION

TOC - Top of Casing

*Casing volume = $((r+12)^2 \times \pi \times 7.48 \text{ gal / ft}) \times h$

r = radius in inches

h = height of water in ft

MP = measuring point

2" well, casing vol = 0.163 x h

4" well, casing vol = 0.652 x h

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pole Co.
 Project No.: MCFR2-03423
 Date: 3/31/14

Well No.: BE-2
 Sampled By: RMF

WELL INFORMATION	
Depth of Well	(ft)
M.P. Location	
Depth to Water	(TOC - ft)
Water Column	(ft)
Well Diameter	(inches)
Casing Volume*	(gal)
Purge Volume	(gal)
Product Thickness	(ft)
Well Condition	
Weather	

PURGE DATA				
Start Purge Time: <u>1300</u>				
Vol. Purged (gal)				
Time				
Flow Rate				
pH (units)	<u>6.94</u>			
Conductivity (mmhos/cm) (@ 25C)	<u>1110</u>			
Temp. (C)	<u>8.0</u>			
Redox (mV)	<u>64</u>			
Dissolved Oxygen (mg/L)	<u>1.21</u>			
Water Color	<u>slurby</u>			
Purge Equipment:				

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
<u>BE-2</u>	<u>1325</u>	<u>PCP 8040</u>	<u>500mL Amber</u>	<u>2</u>	<u>None</u>
		<u>-PA# 8270</u>	<u>500mL Amber</u>	<u>2</u>	<u>None</u>
Sample Equipment					

ADDITIONAL INFORMATION

TOC - Top of Casing

*Casing volume = $((r-12)^2 \times \pi \times 7.48 \text{ gal / ft}) \times h$

r = radius in inches

h = height of water in ft

MP = measuring point

2" well, casing vol = 0.163 x h

4" well, casing vol = 0.652 x h

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pole Co.
 Project No.: MCFR2-03423
 Date: 3/21/14

Well No.: BE-3
 Sampled By: RMF

WELL INFORMATION	
Depth of Well	(ft)
M.P. Location	
Depth to Water	(TOC - ft)
Water Column	(ft)
Well Diameter	(inches)
Casing Volume*	(gal)
Purge Volume	(gal)
Product Thickness	(ft)
Well Condition	
Weather	

PURGE DATA					
Start Purge Time:	<u>1335</u>				
Vol. Purged (gal)					
Time					
Flow Rate					
pH (units)	<u>6.5</u>				
Conductivity (mmhos/cm) (@ 25C)	<u>992</u>				
Temp. (C)	<u>8.2</u>				
Redox (mV)	<u>54</u>				
Dissolved Oxygen (mg/L)	<u>1.08</u>				
Water Color	<u>turbid</u>				
Purge Equipment:					

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
<u>BE-3</u>	<u>1340</u>	<u>PCP 8040</u>	<u>500ml Amber</u>	<u>2</u>	<u>None</u>
		<u>PAH 8270</u>	<u>500ml Amber</u>	<u>2</u>	<u>None</u>
Sample Equipment					

ADDITIONAL INFORMATION

TOC - Top of Casing

*Casing volume = $((r+12)^2 \times \pi \times 7.48 \text{ gal / ft}) \times h$

r = radius in inches

h = height of water in ft

MP = measuring point

2" well, casing vol = 0.163 x h

4" well, casing vol = 0.652 x h

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pole Co.
 Project No.: MCFR2-03423
 Date: 3/31/14

Well No.: BE-4
 Sampled By: BMF

WELL INFORMATION	
Depth of Well	(ft)
M.P. Location	
Depth to Water	(TOC - ft)
Water Column	(ft)
Well Diameter	(inches)
Casing Volume*	(gal)
Purge Volume	(gal)
Product Thickness	(ft)
Well Condition	
Weather	

PURGE DATA					
Start Purge Time: <u>1350</u>					
Vol. Purged (gal)					
Time					
Flow Rate					
pH (units)	<u>7.0</u>				
Conductivity (mmhos/cm) (@ 25C)	<u>885</u>				
Temp. (C)	<u>8.1</u>				
Redox (mV)	<u>67</u>				
Dissolved Oxygen (mg/L)	<u>1.8</u>				
Water Color	<u>turbid</u>				
Purge Equipment:					

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
<u>BE-4</u>	<u>1355</u>	<u>PCP 8040</u>	<u>500mL Amber</u>	<u>2</u>	<u>None</u>
		<u>PAH 8270</u>	<u>500mL Amber</u>	<u>2</u>	<u>None</u>
Sample Equipment					

ADDITIONAL INFORMATION

TOC - Top of Casing

*Casing volume = $((r+12)^2 \times \pi \times 7.48 \text{ gal} / \text{ft}) \times h$

r = radius in inches

h = height of water in ft

MP = measuring point

2" well, casing vol = $0.163 \times h$

4" well, casing vol = $0.652 \times h$

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pole Co. **Well No.:** BE-5
Project No.: MCFR2-03423 **Sampled By:** RMF
Date: 3/2/14

WELL INFORMATION	
Depth of Well	(ft)
M.P. Location	
Depth to Water	(TOC - ft)
Water Column	(ft)
Well Diameter	(inches)
Casing Volume*	(gal)
Purge Volume	(gal)
Product Thickness	(ft)
Well Condition	
Weather	

PURGE DATA					
Start Purge Time:	1405				
Vol. Purged (gal)					
Time					
Flow Rate					
pH (units)	6.9				
Conductivity (mmhos/cm) (@ 25C)	1013				
Temp. (C)	7.9				
Redox (mV)	52				
Dissolved Oxygen (mg/L)	1.43				
Water Color	turbid				
Purge Equipment:					

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
BE-5	1410	PCP 8040	500mL Amber	2	None
		PAH 8270	500mL Amber	2	None
Sample Equipment					

ADDITIONAL INFORMATION
 TOC - Top of Casing
 *Casing volume = ((r+12)² x π x 7.48 gal / ft) x h
 r = radius in inches
 h = height of water in ft
 MP = measuring point
 2" well, casing vol = 0.163 x h
 4" well, casing vol = 0.652 x h

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pole Co.
 Project No.: MCFR2-03423
 Date: 4/28/14

Well No.: SP-2
 Sampled By: RMF

WELL INFORMATION	
Depth of Well	(ft)
M.P. Location	
Depth to Water	(TOC - ft)
Water Column	(ft)
Well Diameter	(inches)
Casing Volume*	(gal)
Purge Volume	(gal)
Product Thickness	(ft)
Well Condition	
Weather	

PURGE DATA					
Start Purge Time:	<u>840</u>				
Vol. Purged (gal)					
Time					
Flow Rate					
pH (units)	<u>6.84</u>				
Conductivity (mmhos/cm) (@ 25C)	<u>989</u>				
Temp. (C)	<u>8.6</u>				
Redox (mV)	<u>35</u>				
Dissolved Oxygen (mg/L)	<u>1.13</u>				
Water Color	<u>turbid</u>				
Purge Equipment:					

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
<u>SP-2</u>	<u>845</u>	<u>PCP 8040</u>	<u>500mL Amber</u>	<u>2</u>	<u>None</u>
		<u>PAH 8270</u>	<u>500mL Amber</u>	<u>2</u>	<u>None</u>
Sample Equipment					

ADDITIONAL INFORMATION

TOC - Top of Casing

*Casing volume = $(r+12)^2 \times \pi \times 7.48 \text{ gal / ft} \times h$

r = radius in inches

h = height of water in ft

MP = measuring point

2' well, casing vol = 0.163 x h

4' well, casing vol = 0.652 x h

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pole Co.
 Project No.: MCFR2-03423
 Date: 4/28/14

Well No.: SP-7
 Sampled By: RMF

WELL INFORMATION	
Depth of Well	(ft)
M.P. Location	
Depth to Water	(TOC - ft)
Water Column	(ft)
Well Diameter	(inches)
Casing Volume*	(gal)
Purge Volume	(gal)
Product Thickness	(ft)
Well Condition	
Weather	

PURGE DATA				
Start Purge Time: 8:10				
Vol. Purged (gal)				
Time				
Flow Rate				
pH (units)	7.0			
Conductivity (mmhos/cm) (@ 25C)	810			
Temp. (C)	8.8			
Redox (mV)	91			
Dissolved Oxygen (mg/L)	2.49			
Water Color	Clear			
Purge Equipment:				

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
SP-7	8:15	SIM 8270	500 mL Amber	2	None
Sample Equipment					

ADDITIONAL INFORMATION

TOC - Top of Casing

2' well, casing vol = 0.163 x h

*Casing volume = ((r+12)² x π x 7.48 gal / ft) x h

4' well, casing vol = 0.652 x h

r = radius in inches

h = height of water in ft

MP = measuring point

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pole Co.
 Project No.: MCFR2-03423
 Date: 5/31/14

Well No.: SP-2
 Sampled By: Rmf

WELL INFORMATION	
Depth of Well	(ft)
M.P. Location	
Depth to Water	(TOC - ft)
Water Column	(ft)
Well Diameter	(inches)
Casing Volume*	(gal)
Purge Volume	(gal)
Product Thickness	(ft)
Well Condition	
Weather	

PURGE DATA				
Start Purge Time: <u>1155</u>				
Vol. Purged (gal)				
Time				
Flow Rate				
pH (units)	<u>6.8</u>			
Conductivity (mmhos/cm) (@ 25C)	<u>893</u>			
Temp. (C)	<u>9.4</u>			
Redox (mV)	<u>37</u>			
Dissolved Oxygen (mg/L)	<u>1.12</u>			
Water Color	<u>turbid</u>			
Purge Equipment:				

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
<u>SP-2</u>	<u>1200</u>	<u>PCP 8040</u>	<u>500ml Amber</u>	<u>2</u>	<u>None</u>
		<u>PAH 8270</u>	<u>500ml Amber</u>	<u>2</u>	<u>None</u>
Sample Equipment					

ADDITIONAL INFORMATION

TOC = Top of Casing

*Casing volume = $((r+12)^2 \times \pi \times 7.48 \text{ gal / ft}) \times h$

r = radius in inches

h = height of water in ft

MP = measuring point

2" well, casing vol = 0.163 x h

4" well, casing vol = 0.652 x h

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pole Co.
 Project No.: MCFR2-03423
 Date: 5/31/14

Well No.: SP-6
 Sampled By: RMF

WELL INFORMATION	
Depth of Well	(ft)
M.P. Location	
Depth to Water	(TOC - ft)
Water Column	(ft)
Well Diameter	(inches)
Casing Volume*	(gal)
Purge Volume	(gal)
Product Thickness	(ft)
Well Condition	
Weather	

PURGE DATA				
Start Purge Time:	1140			
Vol. Purged (gal)	5 gal			
Time				
Flow Rate				
pH (units)	6.9			
Conductivity (mmhos/cm) (@ 25C)	737			
Temp. (C)	9.6			
Redox (mV)	74			
Dissolved Oxygen (mg/L)	2.81			
Water Color	clear			
Purge Equipment:				

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
SP-6	1145	SIM 8270	500 mL Amber	2	None
Sample Equipment					

ADDITIONAL INFORMATION

TOC - Top of Casing

*Casing volume = $((r+12)^2 \times \pi \times 7.48 \text{ gal / ft}) \times h$

r = radius in inches

h = height of water in ft

MP = measuring point

2" well, casing vol = 0.163 x h

4" well, casing vol = 0.652 x h

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pole Co.
 Project No.: MCFR2-03423
 Date: 5/31/14

Well No.: SP-7
 Sampled By: _____

WELL INFORMATION	
Depth of Well	(ft)
M.P. Location	
Depth to Water	(TOC - ft)
Water Column	(ft)
Well Diameter	(inches)
Casing Volume*	(gal)
Purge Volume	(gal)
Product Thickness	(ft)
Well Condition	
Weather	

PURGE DATA				
Start Purge Time:	<u>1125</u>			
Vol. Purged (gal)				
Time				
Flow Rate				
pH (units)	<u>6.91</u>			
Conductivity (mmhos/cm) (@ 25C)	<u>810</u>			
Temp. (C)	<u>9.6</u>			
Redox (mV)	<u>68</u>			
Dissolved Oxygen (mg/L)	<u>2.14</u>			
Water Color	<u>Clear</u>			
Purge Equipment:				

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
<u>SP-7</u>	<u>1130</u>	<u>SIM 8270</u>	<u>500 mL Amber</u>	<u>2</u>	<u>None</u>
Sample Equipment					

ADDITIONAL INFORMATION

TOC - Top of Casing

2" well, casing vol = 0.163 x h

*Casing volume = ((r+12) x π x 7.48 gal / ft) x h

4" well, casing vol = 0.652 x h

r = radius in inches

h = height of water in ft

MP = measuring point

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pole Co.
 Project No.: MCFR2-03423
 Date: 6/26/14

Well No.: SP-2
 Sampled By: RMF

WELL INFORMATION	
Depth of Well	(ft)
M.P. Location	
Depth to Water	(TOC - ft)
Water Column	(ft)
Well Diameter	(inches)
Casing Volume*	(gal)
Purge Volume	(gal)
Product Thickness	(ft)
Well Condition	
Weather	

PURGE DATA					
Start Purge Time:	<u>740</u>				
Vol. Purged (gal)					
Time					
Flow Rate					
pH (units)	<u>6.98</u>				
Conductivity (mmhos/cm) (@ 25C)	<u>1010</u>				
Temp. (C)	<u>10.1</u>				
Redox (mV)	<u>48</u>				
Dissolved Oxygen (mg/L)	<u>1.89</u>				
Water Color	<u>turbid</u>				
Purge Equipment:					

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
<u>SP-2</u>	<u>745</u>	<u>PCP 8040</u>	<u>500mL Amber</u>	<u>2</u>	<u>None</u>
		<u>PAH 8270</u>	<u>500mL Amber</u>	<u>2</u>	<u>None</u>
Sample Equipment					

ADDITIONAL INFORMATION

TOC - Top of Casing

*Casing volume = $((r+12)^2 \times \pi \times 7.48 \text{ gal / ft}) \times h$

r = radius in inches

h = height of water in ft

MP = measuring point

2" well, casing vol = 0.163 x h

4" well, casing vol = 0.652 x h

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pole Co.
 Project No.: MCFR2-03423
 Date: 6/26/14

Well No.: SP-7
 Sampled By: RMF

WELL INFORMATION	
Depth of Well	(ft)
M.P. Location	
Depth to Water	(TOC - ft)
Water Column	(ft)
Well Diameter	(inches)
Casing Volume*	(gal)
Purge Volume	(gal)
Product Thickness	(ft)
Well Condition	
Weather	

PURGE DATA				
Start Purge Time:	<u>7:25</u>			
Vol. Purged (gal)				
Time				
Flow Rate	/			
pH (units)	<u>7.0</u>			
Conductivity (mmhos/cm) (@ 25C)	<u>831</u>			
Temp. (C)	<u>10.3</u>			
Redox (mV)	<u>49</u>			
Dissolved Oxygen (mg/L)	<u>2.14</u>			
Water Color	<u>clear</u>			
Purge Equipment:				

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
<u>SP-7</u>	<u>7:30</u>	<u>SIM 8270</u>	<u>500 mL Amber</u>	<u>2</u>	<u>None</u>
Sample Equipment					

ADDITIONAL INFORMATION

TOC - Top of Casing

2' well, casing vol = 0.163 x h

*Casing volume = ((r+12) x π x 7.48 gal / ft) x h

4' well, casing vol = 0.652 x h

r = radius in inches

h = height of water in ft

MP = measuring point

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pole Co.
 Project No.: MCFR2-03423
 Date: 7/31/14

Well No.: SP-2
 Sampled By: RMF

WELL INFORMATION	
Depth of Well	(ft)
M.P. Location	
Depth to Water	(TOC - ft)
Water Column	(ft)
Well Diameter	(inches)
Casing Volume*	(gal)
Purge Volume	(gal)
Product Thickness	(ft)
Well Condition	
Weather	

PURGE DATA				
Start Purge Time:	<u>9:10</u>			
Vol. Purged (gal)				
Time				
Flow Rate	/			
pH (units)	<u>7.0</u>			
Conductivity (mmhos/cm) (@ 25C)	<u>1019</u>			
Temp. (C)	<u>10.1</u>			
Redox (mV)	<u>23</u>			
Dissolved Oxygen (mg/L)	<u>1.21</u>			
Water Color	<u>turbid</u>			
Purge Equipment:				

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
<u>SP-2</u>	<u>9:15</u>	<u>PCP 8040</u>	<u>500mL Amber</u>	<u>2</u>	<u>None</u>
		<u>PAH 8270</u>	<u>500mL Amber</u>	<u>2</u>	<u>None</u>
Sample Equipment					

ADDITIONAL INFORMATION

TOC - Top of Casing

*Casing volume = $((r+12)^2 \times \pi \times 7.48 \text{ gal / ft}) \times h$

r = radius in inches

h = height of water in ft

MP = measuring point

2" well, casing vol = $0.163 \times h$

4" well, casing vol = $0.652 \times h$

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pole Co.
 Project No.: MCFR2-03423
 Date: 7/31/14

Well No.: SP-6
 Sampled By: RMF

WELL INFORMATION	
Depth of Well	(ft)
M.P. Location	
Depth to Water	(TOC - ft)
Water Column	(ft)
Well Diameter	(inches)
Casing Volume*	(gal)
Purge Volume	(gal)
Product Thickness	(ft)
Well Condition	
Weather	

PURGE DATA					
Start Purge Time:	840				
Vol. Purged (gal)					
Time					
Flow Rate	—————				
pH (units)	7.01				
Conductivity (mmhos/cm) (@ 25C)	836				
Temp. (C)	10.3				
Redox (mV)	71				
Dissolved Oxygen (mg/L)	2.24				
Water Color	Clear				
Purge Equipment:					

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
SP-6	845	SIM 8270	500 mL Amber	2	None
Sample Equipment					

ADDITIONAL INFORMATION

TOC - Top of Casing
 *Casing volume = ((r+12) x π x 7.48 gal / ft) x h
 r = radius in inches
 h = height of water in ft
 MP = measuring point

2" well, casing vol = 0.183 x h
 4" well, casing vol = 0.652 x h

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pole Co.
 Project No.: MCFR2-03423
 Date: 7/31/14

Well No.: SP-7
 Sampled By: RMT

WELL INFORMATION	
Depth of Well	(ft)
M.P. Location	
Depth to Water	(TOC - ft)
Water Column	(ft)
Well Diameter	(inches)
Casing Volume*	(gal)
Purge Volume	(gal)
Product Thickness	(ft)
Well Condition	
Weather	

PURGE DATA				
Start Purge Time:	8:25			
Vol. Purged (gal)				
Time				
Flow Rate	/			
pH (units)	7.0			
Conductivity (mmhos/cm) (@ 25C)	910			
Temp. (C)	10.3			
Redox (mV)	81			
Dissolved Oxygen (mg/L)	2.89			
Water Color	Clear			
Purge Equipment:				

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
SP-7	8:30	SIM 8270	500 mL Amber	2	None
Sample Equipment					

ADDITIONAL INFORMATION

TOC - Top of Casing
 *Casing volume = $((r+12)^2 \times \pi \times 7.48 \text{ gal / ft}) \times h$
 r = radius in inches
 h = height of water in ft
 MP = measuring point

2" well, casing vol = 0.183 x h
 4" well, casing vol = 0.652 x h

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pole Site

Well No: GM-4

Project Number:

Sampled by: RMF

Date: 9/11/14

WELL INFORMATION	
Depth of Well	(FT)
Depth to Water	1.4 (TOC - FT)
Water Column	(FT)
Well Diameter	(inches)
Casing Volume*	(gal)
Pumping Rate	0.3 (L/min)
Pumping Depth	4.4 (FT)
Well Condition	
Weather	

LOW FLOW SAMPLING DATA				
Start Purge Time:	1319			
Time	1322	1325		
Depth to Water (TOC - FT) (<0.33)	1.4	1.4		
Turbidity (±10%)				
pH (±0.1)	6.28	6.29		
Conductivity (mmhos/cm)(@25C) (±3%)	1063	1074		
Temp. (C) (±0.2)	11.4	11.3		
Redox (mV)	-17	-26		
Dissolved Oxygen (mg/L) (±0.3)	4.22	4.20		
Water Color	turbid	turbid		
Purge Equipment				

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
GM-4	1325	PCP 8040	500 mL Amber	2	None
	PAH	Metals	500 mL HDPE	1	HNO3
		SO4, NO3	5m OJ	1	None
		BOD	1g OJ	1	None
		TOC	250 mL AG	1	H2SO4
		Alkalinity	5m OJ	1	None

TOC - Top of Casing

*Casing Volum = ((r÷12)² x π x 7.48 gal/ft) x h

r = radius in inches

h = height of water in ft

MP = measuring point

2" well, casing vol = 0.163 x h

4" well, casing vol = 0.652 x h

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pale Co.
 Project No.: MCFR2-03423
 Date: 10/23/14

Well No.: SP-2
 Sampled By: RMF

WELL INFORMATION	
Depth of Well	(ft)
M.P. Location	
Depth to Water	(TOC - ft)
Water Column	(ft)
Well Diameter	(inches)
Casing Volume*	(gal)
Purge Volume	(gal)
Product Thickness	(ft)
Well Condition	
Weather	

PURGE DATA					
Start Purge Time: 8:45					
Vol. Purged (gal)					
Time					
Flow Rate					
pH (units)	6.6				
Conductivity (mmhos/cm) (@ 25C)	991				
Temp. (C)	10.4				
Redox (mV)	21				
Dissolved Oxygen (mg/L)	1.12				
Water Color	few b/cd				
Purge Equipment:					

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
SP-2	8:50	PCP 8040	500ml Amber	2	None
		PAH 8270	500ml Amber	2	None
Sample Equipment					

ADDITIONAL INFORMATION

TOC - Top of Casing

*Casing volume = $((r+12)^2 \times \pi \times 7.48 \text{ gal / ft}) \times h$

r = radius in inches

h = height of water in ft

MP = measuring point

2" well, casing vol = 0.163 x h

4" well, casing vol = 0.652 x h

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pole Co.
 Project No.: MCFR2-03423
 Date: 10/23/14

Well No.: SP-7
 Sampled By: RMF

WELL INFORMATION	
Depth of Well	(ft)
M.P. Location	
Depth to Water	(TOC - ft)
Water Column	(ft)
Well Diameter	(inches)
Casing Volume*	(gal)
Purge Volume	(gal)
Product Thickness	(ft)
Well Condition	
Weather	

PURGE DATA					
Start Purge Time:	825				
Vol. Purged (gal)					
Time					
Flow Rate	/				
pH (units)	6.8				
Conductivity (mmhos/cm) (@ 25C)	828				
Temp. (C)	10.6				
Redox (mV)	73				
Dissolved Oxygen (mg/L)	2.11				
Water Color	clear				
Purge Equipment:					

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
SP-7	830	SIM 8270	500 mL Amber	2	None
Sample Equipment					

ADDITIONAL INFORMATION

TOC - Top of Casing

2" well, casing vol = 0.183 x h

*Casing volume = ((r+12) x π x 7.48 gal / ft) x h

4" well, casing vol = 0.652 x h

r = radius in inches

h = height of water in ft

MP = measuring point

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pole Co.
 Project No.: MCFR2-03423
 Date: 11/24/14

Well No.: SP-2
 Sampled By: RMF

WELL INFORMATION	
Depth of Well	(ft)
M.P. Location	
Depth to Water	(TOC - ft)
Water Column	(ft)
Well Diameter	(inches)
Casing Volume*	(gal)
Purge Volume	(gal)
Product Thickness	(ft)
Well Condition	
Weather	

PURGE DATA					
Start Purge Time: <u>405</u>					
Vol. Purged (gal)					
Time					
Flow Rate					
pH (units)	<u>6.84</u>				
Conductivity (mmhos/cm) (@ 25C)	<u>1001</u>				
Temp. (C)	<u>9.8</u>				
Redox (mV)	<u>0.8</u>				
Dissolved Oxygen (mg/L)	<u>0.89</u>				
Water Color	<u>turbid</u>				
Purge Equipment:					

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
<u>SP-2</u>	<u>910</u>	<u>PCP 8040</u>	<u>500mL Amber</u>	<u>2</u>	<u>None</u>
		<u>PAH 8270</u>	<u>500mL Amber</u>	<u>2</u>	<u>None</u>
Sample Equipment					

ADDITIONAL INFORMATION

TOC - Top of Casing

*Casing volume = $((r+12)^2 \times \pi \times 7.48 \text{ gal / ft}) \times h$

r = radius in inches

h = height of water in ft

MP = measuring point

2" well, casing vol = 0.163 x h

4" well, casing vol = 0.652 x h

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pole Co.
 Project No.: MCFR2-03423
 Date: 11/24/14

Well No.: SP-7
 Sampled By: RMF

WELL INFORMATION	
Depth of Well	(ft)
M.P. Location	
Depth to Water	(TOC - ft)
Water Column	(ft)
Well Diameter	(inches)
Casing Volume*	(gal)
Purge Volume	(gal)
Product Thickness	(ft)
Well Condition	
Weather	

PURGE DATA					
Start Purge Time:	<u>8:45</u>				
Vol. Purged (gal)					
Time					
Flow Rate					
pH (units)	<u>6.94</u>				
Conductivity (mmhos/cm) (@ 25C)	<u>757</u>				
Temp. (C)	<u>9.9</u>				
Redox (mV)	<u>56</u>				
Dissolved Oxygen (mg/L)	<u>1.94</u>				
Water Color					
Purge Equipment:					

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
<u>SP-7</u>	<u>8:50</u>	<u>SIM 8270</u>	<u>500 mL Amber</u>	<u>2</u>	<u>None</u>
Sample Equipment					

ADDITIONAL INFORMATION

TOC - Top of Casing

2" well, casing vol = 0.163 x h

*Casing volume = ((r+12)² x π x 7.48 gal / ft) x h

4" well, casing vol = 0.652 x h

r = radius in inches

h = height of water in ft

MP = measuring point

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pole Co.
 Project No.: MCFR2-03423
 Date: 12/22/14

Well No.: SP-2
 Sampled By: Rmf

WELL INFORMATION	
Depth of Well	(ft)
M.P. Location	
Depth to Water	(TOC - ft)
Water Column	(ft)
Well Diameter	(inches)
Casing Volume*	(gal)
Purge Volume	(gal)
Product Thickness	(ft)
Well Condition	
Weather	

PURGE DATA					
Start Purge Time: <u>840</u>					
Vol. Purged (gal)					
Time					
Flow Rate					
pH (units)	<u>6.91</u>				
Conductivity (mmhos/cm) (@ 25C)	<u>974</u>				
Temp. (C)	<u>9.8</u>				
Redox (mV)	<u>-210</u>				
Dissolved Oxygen (mg/L)	<u>1.01</u>				
Water Color	<u>turbid</u>				
Purge Equipment:					

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
<u>SP-2</u>	<u>845</u>	<u>PCP 8040</u>	<u>500mL Amber</u>	<u>2</u>	<u>None</u>
		<u>PAH 8270</u>	<u>500mL Amber</u>	<u>2</u>	<u>None</u>
Sample Equipment					

ADDITIONAL INFORMATION

TOC - Top of Casing

*Casing volume = ((r+12)² x π x 7.48 gal / ft) x h

r = radius in inches

h = height of water in ft

MP = measuring point

2" well, casing vol = 0.163 x h

4" well, casing vol = 0.652 x h

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pole Co.
 Project No.: MCFR2-03423
 Date: 12/22/11

Well No.: SP-7
 Sampled By: Rmf

WELL INFORMATION	
Depth of Well	(ft)
M.P. Location	
Depth to Water	(TOC - ft)
Water Column	(ft)
Well Diameter	(inches)
Casing Volume*	(gal)
Purge Volume	(gal)
Product Thickness	(ft)
Well Condition	
Weather	

PURGE DATA				
Start Purge Time:	<u>025</u>			
Vol. Purged (gal)				
Time				
Flow Rate				
pH (units)	<u>4.94</u>			
Conductivity (mmhos/cm) (@ 25C)	<u>801</u>			
Temp. (C)	<u>9.8</u>			
Redox (mV)	<u>36</u>			
Dissolved Oxygen (mg/L)	<u>2.89</u>			
Water Color	<u>Clear</u>			
Purge Equipment:				

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
<u>SP-7</u>	<u>830</u>	<u>SIM 8270</u>	<u>500 mL Amber</u>	<u>2</u>	<u>None</u>
Sample Equipment					

ADDITIONAL INFORMATION

TOC - Top of Casing

2" well, casing vol = 0.163 x h

*Casing volume = ((r+12) x π x 7.48 gal / ft) x h

4" well, casing vol = 0.652 x h

r = radius in inches

h = height of water in ft

MP = measuring point

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pole Co.
 Project No.: MCFR2-03423
 Date: 12/22/14

Well No.: BE-2
 Sampled By: RMF

WELL INFORMATION	
Depth of Well	(ft)
M.P. Location	
Depth to Water	(TOC - ft)
Water Column	(ft)
Well Diameter	(inches)
Casing Volume*	(gal)
Purge Volume	(gal)
Product Thickness	(ft)
Well Condition	
Weather	

PURGE DATA					
Start Purge Time: <u>855</u>					
Vol. Purged (gal)					
Time					
Flow Rate					
pH (units)	<u>7.01</u>				
Conductivity (mmhos/cm) (@ 25C)	<u>1012</u>				
Temp. (C)	<u>9.6</u>				
Redox (mV)	<u>12</u>				
Dissolved Oxygen (mg/L)	<u>1.42</u>				
Water Color	<u>turbid</u>				
Purge Equipment:					

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
<u>BE-2</u>	<u>900</u>	<u>PCP 8040</u>	<u>500mL Amber</u>	<u>2</u>	<u>None</u>
		<u>PAH 8270</u>	<u>500mL Amber</u>	<u>2</u>	<u>None</u>
Sample Equipment					

ADDITIONAL INFORMATION

TOC - Top of Casing

*Casing volume = $((r+12)^2 \times \pi \times 7.48 \text{ gal / ft}) \times h$

r = radius in inches

h = height of water in ft

MP = measuring point

2" well, casing vol = $0.163 \times h$

4" well, casing vol = $0.652 \times h$

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pole Co.
 Project No.: MCFR2-03423
 Date: 12/22/14

Well No.: BE-3
 Sampled By: RMF

WELL INFORMATION	
Depth of Well	(ft)
M.P. Location	
Depth to Water	(TOC - ft)
Water Column	(ft)
Well Diameter	(inches)
Casing Volume*	(gal)
Purge Volume	(gal)
Product Thickness	(ft)
Well Condition	
Weather	

PURGE DATA				
Start Purge Time:	<u>9:10</u>			
Vol. Purged (gal)				
Time				
Flow Rate	—————			
pH (units)	<u>6.91</u>			
Conductivity (mmhos/cm) (@ 25C)	<u>940</u>			
Temp. (C)	<u>9.5</u>			
Redox (mV)	<u>-29</u>			
Dissolved Oxygen (mg/L)	<u>1.01</u>			
Water Color	<u>turbid</u>			
Purge Equipment:				

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
<u>BE-3</u>	<u>9:15</u>	<u>PCP 8040</u>	<u>500mL Amber</u>	<u>2</u>	<u>None</u>
		<u>PAH 8270</u>	<u>500ml Amber</u>	<u>2</u>	<u>None</u>
Sample Equipment					

ADDITIONAL INFORMATION

TOC - Top of Casing

*Casing volume = $((r \times 12)^2 \times \pi \times 7.48 \text{ gal / ft}) \times h$

r = radius in inches

h = height of water in ft

MP = measuring point

2" well, casing vol = 0.163 x h

4" well, casing vol = 0.652 x h

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pole Co.
 Project No.: MCFR2-03423
 Date: 12/22/14

Well No.: BE-4
 Sampled By: RMF

WELL INFORMATION	
Depth of Well	(ft)
M.P. Location	
Depth to Water	(TOC - ft)
Water Column	(ft)
Well Diameter	(inches)
Casing Volume*	(gal)
Purge Volume	(gal)
Product Thickness	(ft)
Well Condition	
Weather	

PURGE DATA					
Start Purge Time: <u>9:25</u>					
Vol. Purged (gal)					
Time					
Flow Rate					
pH (units)	<u>6.94</u>				
Conductivity (mmhos/cm) (@ 25C)	<u>891</u>				
Temp. (C)	<u>9.8</u>				
Redox (mV)	<u>-18</u>				
Dissolved Oxygen (mg/L)	<u>1.43</u>				
Water Color	<u>turbid</u>				
Purge Equipment:					

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
<u>BE-4</u>	<u>9:30</u>	<u>PCP 8040</u>	<u>500mL Amber</u>	<u>2</u>	<u>None</u>
		<u>PAH 8270</u>	<u>500mL Amber</u>	<u>2</u>	<u>None</u>
Sample Equipment					

ADDITIONAL INFORMATION

TOC - Top of Casing

*Casing volume = $((r+12)^2 \times \pi \times 7.48 \text{ gal / ft}) \times h$

r = radius in inches

h = height of water in ft

MP = measuring point

2" well, casing vol = $0.163 \times h$

4" well, casing vol = $0.652 \times h$

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pole Co.
 Project No.: MCFR2-03423
 Date: 12/22/14

Well No.: BE-5
 Sampled By: RMF

WELL INFORMATION	
Depth of Well	(ft)
M.P. Location	
Depth to Water	(TOC - ft)
Water Column	(ft)
Well Diameter	(inches)
Casing Volume*	(gal)
Purge Volume	(gal)
Product Thickness	(ft)
Well Condition	
Weather	

PURGE DATA					
Start Purge Time:	<u>940</u>				
Vol. Purged (gal)					
Time					
Flow Rate	/				
pH (units)	<u>6.98</u>				
Conductivity (mmhos/cm) (@ 25C)	<u>910</u>				
Temp. (C)	<u>9.6</u>				
Redox (mV)	<u>12</u>				
Dissolved Oxygen (mg/L)	<u>1.56</u>				
Water Color	<u>turbid</u>				
Purge Equipment:					

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
<u>BE-5</u>	<u>945</u>	<u>PCP 8040</u>	<u>500ml Amber</u>	<u>2</u>	<u>None</u>
		<u>PAH 8270</u>	<u>500ml Amber</u>	<u>2</u>	<u>None</u>
Sample Equipment					

ADDITIONAL INFORMATION

TOC - Top of Casing
 *Casing volume = ((r+12)² x π x 7.48 gal / ft) x h
 r = radius in inches
 h = height of water in ft
 MP = measuring point

2" well, casing vol = 0.163 x h
 4" well, casing vol = 0.652 x h

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pole Co.
 Project No.: MCFR2-03423
 Date: 12/22/14

Well No.: GM-4
 Sampled By: RMF

WELL INFORMATION	
Depth of Well	(ft)
M.P. Location	
Depth to Water	<u>1.81</u> (TOC - ft)
Water Column	(ft)
Well Diameter	(inches)
Casing Volume*	(gal)
Purge Volume	(gal)
Product Thickness	(ft)
Well Condition	
Weather	

PURGE DATA				
Start Purge Time: <u>1024</u>				
Vol. Purged (gal)	<u>low flow</u>			
Time	<u>1024</u>	<u>1027</u>	<u>1030</u>	
Flow Rate				
pH (units)	<u>6.91</u>	<u>6.91</u>	<u>6.90</u>	
Conductivity (mmhos/cm) (@ 25C)	<u>910</u>	<u>936</u>	<u>934</u>	
Temp. (C)	<u>6.6</u>	<u>6.6</u>	<u>6.7</u>	
Redox (mV)	<u>-54</u>	<u>-60</u>	<u>-64</u>	
Dissolved Oxygen (mg/L)	<u>1.14</u>	<u>1.01</u>	<u>1.03</u>	
Water Color	<u>Silty</u>	<u>Silty</u>	<u>Silty</u>	
Purge Equipment:				

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
<u>GM-4</u>	<u>1030</u>	<u>PCP 8040</u>	<u>500mL Amber</u>	<u>2</u>	<u>None</u>
		<u>PAH 8270</u>	<u>500mL Amber</u>	<u>2</u>	<u>None</u>
Sample Equipment					

ADDITIONAL INFORMATION

TOC - Top of Casing

*Casing volume = $(r^2 \times \pi \times 7.48 \text{ gal / ft}) \times h$

r = radius in inches

h = height of water in ft

MP = measuring point

2" well, casing vol = 0.163 x h

4" well, casing vol = 0.652 x h

GROUNDWATER SAMPLING LOG

Project Name: Idaho Pole Co.
 Project No.: MCFR2-03423
 Date: 12/29/14

Well No.: BE-5
 Sampled By: RMF

WELL INFORMATION	
Depth of Well	(ft)
M.P. Location	
Depth to Water	(TOC - ft)
Water Column	(ft)
Well Diameter	(inches)
Casing Volume*	(gal)
Purge Volume	(gal)
Product Thickness	(ft)
Well Condition	
Weather	

PURGE DATA					
Start Purge Time: <u>1045</u>					
Vol. Purged (gal)					
Time					
Flow Rate					
pH (units)	<u>7.01</u>				
Conductivity (mmhos/cm) (@ 25C)	<u>854</u>				
Temp. (C)	<u>9.4</u>				
Redox (mV)	<u>-08</u>				
Dissolved Oxygen (mg/L)	<u>1.89</u>				
Water Color	<u>turbid</u>				
Purge Equipment:					

SAMPLE DATA					
Sample Number	Sample Time	Analysis	Container	# Bottles	Preservative
<u>BE-5</u>	<u>1049</u>	<u>PCP 8040</u>	<u>500mL Amber</u>	<u>2</u>	<u>None</u>
		<u>+PAH 8270</u>	<u>500mL Amber</u>	<u>2</u>	<u>None</u>
Sample Equipment					

ADDITIONAL INFORMATION

TDC - Top of Casing

*Casing volume = $((r+12)^2 \times \pi \times 7.48 \text{ gal / ft}) \times h$

r = radius in inches

h = height of water in ft

MP = measuring point

2" well, casing vol = 0.163 x h

4" well, casing vol = 0.652 x h