



Figure G-36: Pool Cross Section 1-1'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of McMurray (Layer 2). An Assessment of Vertical and Lateral Pressure Communication at Surmont in the Wabiskaw-McMurray Formations





Figure G-37: Pool Cross Section 2-2'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of Basal Wabiskaw (Layer 1).





Pool Boundaries in Blue Boxes

Figure G-38: Pool Cross Section 3-3'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of Basal Wabiskaw (Layer 1).





Figure G-39: Pool Cross Section 4-4'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of Basal Wabiskaw (Layer 1).





Figure G-40: Pool Cross Section 5-5'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of Basal Wabiskaw (Layer 1).





Figure G-41: Pool Cross Section 6-6'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of Basal Wabiskaw (Layer 1).





Pool Boundaries in Blue Boxes

Figure G-42: Pool Cross Section 7-7'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of Basal Wabiskaw (Layer 1).





Figure G-43: Pool Cross Section 8-8'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of Basal Wabiskaw (Layer 1).





Figure G-44: Pool Cross Section 9-9'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of Basal Wabiskaw (Layer 1).





Figure G-45: Pool Cross Section 10-10'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of Basal Wabiskaw (Layer 1).





Figure G-46: Pool Cross Section 11-11'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of Basal Wabiskaw (Layer 1).





Figure G-47: Pool Cross Section 12-12'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of Basal Wabiskaw (Layer 1).





Figure G-48: Pool Cross Section 13-13'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of Basal Wabiskaw (Layer 1).





Pool Boundaries in Blue Boxes

Figure G-49: Pool Cross Section 14-14'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of Basal Wabiskaw (Layer 1).





Figure G-50: Pool Cross Section 15-15'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of Basal Wabiskaw (Layer 1).





Pool Boundaries in Blue Boxes

Figure G-51: Pool Cross Section 16-16'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of the McMurray (Layer 2).





Figure G-52: Pool Cross Section 17-17'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of Basal Wabiskaw (Layer 1).





Figure G-53: Pool Cross Section 18-18'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of Basal Wabiskaw (Layer 1).

EXPLOITATION TECHNOLOGIES INC.





Figure G-54: Pool Cross Section 19-19'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of Basal Wabiskaw (Layer 1).





Pool Boundaries in Blue Boxes

Figure G-55: Pool Cross Section 20-20'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of the McMurray (Layer 2).





Figure G-56: Pool Cross Section 21-21'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of Basal Wabiskaw (Layer 1).





Figure G-57: Pool Cross Section 22-22'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of the McMurray (Layer 2).





Figure G-58: Pool Cross Section 23-23'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of Basal Wabiskaw (Layer 1).





Figure G-59: Pool Cross Section 24-24'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of Basal Wabiskaw (Layer 1).





Figure G-60: Pool Cross Section 25-25'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of Basal Wabiskaw (Layer 1).





Figure G-61: Pool Cross Section 26-26'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of Basal Wabiskaw (Layer 1).





Figure G-62: Pool Cross Section 27-27'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of Basal Wabiskaw (Layer 1).





Figure G-63: Pool Cross Section 28-28'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of Basal Wabiskaw (Layer 1).





Pool Boundaries in Blue Boxes

Figure G-64: Pool Cross Section 29-29'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of Basal Wabiskaw (Layer 1).





Figure G-65: Pool Cross Section 30-30'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of Basal Wabiskaw (Layer 1).





31'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), Water and Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of Basal Wabiskaw (Layer 1).

Figure G-66: Pool Cross Section 31-

Pool Boundaries in Blue Boxes





Figure G-67: Pool Cross Section 32-32'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of Basal Wabiskaw (Layer 1).





Figure G-68: Pool Cross Section 33-33'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of the McMurray (Layer 2).





Figure G-69: Pool Cross Section 34-34'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of the McMurray (Layer 2).

EXPLOITATION TECHNOLOGIES INC.





FigureG-70:PoolCrossSection35-35';ResultsTraces,whichincludeGammaRay(GR), Effective Porosity (PhiE),andWaterSaturationwithPostedLayerTopswithPostedLayerTopsFluidContacts;Hungonof theMcMurray (Layer 2).





FigureG-71:PoolCrossSection36-36';ResultsTraces,whichincludeGammaRay (GR), EffectivePorosity(PhiE), andWaterSaturation(Sw)withLayerTopsandFluidContacts;Hung<on</td>Top ofthe McMurray (Layer 2).

EXPLOITATION TECHNOLOGIES INC.





Figure G-72: Pool Cross Section 37-37'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of the McMurray (Layer 2).

Pool Boundaries in Blue Boxes





Figure G-73: Pool Cross Section 38-38'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of the McMurray (Layer 2).





Figure G-74: Pool Cross Section 39-39'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of the McMurray (Layer 2).





Figure G-75: Pool Cross Section 40-40'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of the McMurray (Layer 2).





Figure G-76: Pool Cross Section 40-40'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Datum = TVDSS of (-250).





Figure G-77: Pool Cross Section 41-41'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of the McMurray (Layer 2).





Figure G-78: Pool Cross Section 42-42'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Tops Layer and Fluid Contacts; Hung on Top of the McMurray (Layer 2).

EXPLOITATION TECHNOLOGIES INC.





Figure G-79: Pool Cross Section 43-43'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of the McMurray (Layer 2).





Pool Boundaries in Blue Boxes

Figure G-80: Pool Cross Section 44-44'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of the McMurray (Layer 2).





Figure G-81: Pool Cross Section 45-45'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of the McMurray (Layer 2). Figure G-82 intentionally deleted from report sequence.





Figure G-83: Pool Cross Section 46-46'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of the McMurray (Layer 2).





Figure G-84: Pool Gross 47-47'; Section Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water (Sw) Saturation with Posted Layer Tops and Fluid Contacts; Hung on Top of the McMurray (Layer 2).





Figure G-85: Pool Cross Section 48-48'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of the McMurray (Layer 2).





FigureG-86:PoolCrossSection49-49';ResultsTraces,whichincludeGammaRay (GR), EffectivePorosity(PhiE), andWaterSaturation(Sw)withLayerTopsandFluidContacts;Hung<on</td>Top ofthe McWurray (Layer 2).





Figure G-87: Pool Cross Section 50-50'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of the McMurray (Layer 2).





Figure G-88: Pool Cross Section 51-51'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on the McMurray Top of (Layer 2).





Figure G-89: Pool Cross Section 52-52'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of the McMurray (Layer 2).

EXPLOITATION TECHNOLOGIES INC.





Figure G-90: Pool Cross Section 53-53'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Hung on Top of the McMurray (Layer 2).





FigureG-91:PoolCrossSection54-54';ResultsTraces,whichincludeGammaRay(GR), Effective Porosity (PhiE),andWaterSaturationwithPostedLayerTopswithPostedLayerTopsFluidContacts;Hungonof theMcMurray (Layer 2).





Figure G-92: Pool Cross Section 54-54'; Results Traces, which include Gamma Ray (GR), Effective Porosity (PhiE), and Water Saturation (Sw) with Posted Layer Tops and Fluid Contacts; Datum = TVDSS of (–250).