STEPHENS TRUST 1 (15-191-22454)
Elevation (GL): 1232.0 Depth: 6651.0

Depth

Lithology Gamma Ray

Reference: 0.0 GR 150.0; -321.511 SP -31.609; 6.0 CAL 12.0

Dual Induction: 0.1 ILD 1000.0; 0.1 ILM 1000.0

Litho-Density: 0.0 PE 20.0; 0.7 NPHI -0.1; 0.0 RHOB 4.0; 0.7 DPHI -0.1

Rhomaa-Umaa Colorlith

Rhomaa-Umaa Computed Rock Column: Percent 10 30 50 70 90

Neutron Porosity: 0 50

Rock Texture by LAS: Carbonate; Mud: M W; Grain: P G B C; Siliciclastic; Mud: Clay Silt; Sand: v f m c C g; Gravel: peb cob

Stratigraphic Units

Members	Formations	Subgroup	Group	Stage	Series	Subsystem	System	Era
	Onaga Shale		Admire					
	Stoffer Limestone		Richardson	Wabaunsee				
White Cloud Shale								
	Howard Limestone		Sacfox					
	Severy Shale							
	Topeka Limestone			Virgilian				
	Lecompton Limestone		Shawnee					
	Kanwaka Shale							
Heebner Shale								
Toronto Limestone								
			Douglas			Upper	Pennsylvanian	Carboniferous
Haskell Limestone								
Hushpuckney Shale			Bronson					
		Kansas City	Marmaton	Chemkee		Middle		
						Missourian		
						Desmoinesian		
							Mississippian	
						Lower		
Chattanooga Shale							Devonian	
			Simpson			Middle		
						Kinderhookian		
						Upper		
								Paleozoic
				Arbuckle		Lower	Ordovician	
Lamotte (Reagan) Sandstone				Unknown		Upper	Cambrian	

Lithology Rock Column: Percent 10 30 50 70 90

Rock Lithology/Texture: >> Increasing Energy >> 2 4 6 8 10 12 14; Sedimentary Structures; Fossils

Rock Color

Remarks

Depth	Remarks
1500.0; 1505.0;	LS: cm-Gy pkst
1520.0; 1525.0;	
1540.0; 1542.5;	Rare (Rr)
1565.0; 1567.5;	
1585.0; 1595.0;	Vrr LS:
1607.5; 1615.0;	Vrr LS:
1630.0; 1635.0;	(Abndt
1650.0; 1660.0;	SH: Lt-dk Gy &
1680.0; 1690.0;	Vrr LS:
1702.5; 1705.0;	SH: gn-Gy &
1722.5; 1735.0;	Vrr Silts: Gy
1750.0; 1760.0;	Vrr LS:
1770.0; 1772.5;	V.Abndt SH: AA
1792.5; 1800.0;	Pred SH:
1820.0; 1830.0;	SH: AA, sm Blk
1840.0; 1850.0;	> 99% SH:
1860.0; 1870.0;	SH: AA
1877.5; 1900.0;	V. Abndt SH;
1900.0; 1910.0;	Vrr LS:
1930.0;	Stotler Limestone
1952.5; 1960.0;	
1980.0; 1990.0;	V.Abndt SH: AA
1997.5; 2002.5;	V.Abndt SH: AA
2030.0; 2032.5;	Trc Chert:
2052.5; 2055.0;	Trc Sd Clust:
2085.0; 2100.0;	LS: AA
2120.0; 2130.0;	SH: Lt-dk
2140.0; 2150.0;	Trc Sd Clust:
2167.5; 2172.5;	Vrr LS: cm-Tn,
2185.0; 2200.0;	Pred. SH: AA
2212.5; 2220.0;	V.Abndt SH: AA
2240.0; 2250.0;	AA
2282.5; 2290.0;	> 99% SH: AA
2310.0; 2333.0;	Trc Silts:
2342.5; 2350.0;	Vrr LS:
2365.0; 2390.0;	VPr samples >
2390.0; 2400.0;	SH: gn-Gy &
2410.0; 2430.0;	SH: AA; lncrs
2450.0; 2460.0;	Vrr LS:
2482.5; 2485.0;	
2530.0; 2535.0;	Trc LS: cm-Tn
2561.0;	Kanwaka Shale
2590.0;	Elgin Sandstone
2620.0; 2632.5;	Pred SH: AA;
2650.0; 2660.0;	Vrr Sd, ClustL
2675.0; 2690.0;	Sd Clust: AA,
2697.5; 2702.5;	LS: AA, lncrs
2730.0;	Toronto Limestone
2750.0;	Douglas
2770.0; 2780.0;	SH: Pred SH:
2810.0; 2820.0;	LS: AA, sm
2860.0; 2870.0;	SILTS & SH: AA
2880.0; 2890.0;	SS-Sd Clust:
2940.0; 2950.0;	Rr Sd Clust:
3000.0; 3010.0;	SH: AA, (Rr
3030.0;	Haskell Limestone
3050.0; 3070.0;	SS: Sd Clust:
3090.0; 3100.0;	SS-Sd Clust:
3120.0; 3142.5;	SS- Sd Clust:
3160.0; 3170.0;	SS-Sd Clust:
3190.0; 3210.0;	SH: (lncrs)
3230.0; 3270.0;	SH: Abndt dk Gy-Blk subcarb to carb SH
3270.0; 3280.0;	SH: Pred dk
3300.0; 3310.0;	SH: AA
3320.0; 3330.0;	SH: dk-md Gy &
3347.5; 3355.0;	LS: Tn-Gy,
3377.5; 3380.0;	SH: AA, md-dk
3410.0; 3420.0;	LS: AA, Rr
3440.0; 3450.0;	LS: AA & SH:
3465.0; 3485.0;	LS: Tn-gm,
3507.5; 3520.0;	LS:
3530.0; 3540.0;	LS: Tn-Bn,
3553.0;	Hushpuckney Shale
3572.5; 3580.0;	
3600.0; 3610.0;	LS: dk
3625.0; 3632.5;	LS: AA
3650.0; 3660.0;	SH: Abndt Blk
3685.0; 3687.5;	SH: (lncrs)
3707.5; 3712.5;	Abndt SH: dk
3732.5; 3745.0;	LS: dk Gy-Blk
3755.0; 3760.0;	LS: Gy-Bn-Tn,
3787.5; 3790.0;	SH: Blk
3805.0; 3815.0;	Sm Silts; Gy,
3840.0; 3850.0;	SH: dk Gy-Blk
3867.5; 3877.5;	LS: Gy-Tn,
3895.0; 3900.0;	Silts: gn-Gy,
3925.0; 3930.0;	SH:
3950.0; 3975.0;	SH:
3980.0; 3989.0;	SH: V.gated-AA
4002.5; 4010.0;	CHERT:
4025.0; 4035.0;	CHERT; bone WH
4065.0; 4085.0;	Dolomitic LS:
4115.0; 4120.0;	LS: AA (Abndt
4140.0; 4160.0;	LS: Gy-Tn-cm,
4180.0; 4210.0;	Dolomc LS:
4225.0; 4240.0;	Dolmc LS -
4250.0; 4256.0;	LS: AA, lncrs
4295.0; 4305.0;	SH: Pred md-dk
4320.0; 4330.0;	Dolomc SH: dk
4358.0; 4390.0;	SS: Sd Clust:
4399.0;	Simpson Shale
4420.0; 4430.0;	Sd Clust: Gy,
4445.0; 4447.5;	Abndt SH: AA &
4468.0;	Arbuckle
4490.0; 4500.0;	Dolo:
4555.0; 4560.0;	Dolo:
4580.0; 4590.0;	Dolo:
4605.0; 4620.0;	Dolo:
4630.0; 4640.0;	Dolo: cm-Tn,
4655.0; 4665.0;	Dolo: Tn-Bn &
4690.0; 4700.0;	Dolo:
4720.0; 4730.0;	Dolo:
4750.0; 4755.0;	Dolo: Tn-Gy,
4780.0; 4790.0;	Dolo:
4822.5; 4835.0;	Dolo: Tn-cm &
4845.0; 4865.0;	Dolo: Tn-cm &
4882.0; 4895.0;	Dolo: Tn-cm &
4902.5; 4915.0;	Dolo: Tn-Gy-Bn
4950.0; 4957.5;	Dolo: dk
4977.5; 4985.0;	Dolo:
5010.0; 5012.5;	Dolo: AA, NS.
5055.0; 5067.5;	Dolo:
5085.0; 5095.0;	Dolo: Tn-Gy-Bn
5115.0; 5125.0;	Dolo: AA &
5145.0; 5152.5;	Dolo: AA, sm
5185.5; 5192.5;	Dolo:
5232.5; 5242.5;	Dolo:
5265.5; 5275.0;	Dolo:
5287.5; 5310.0;	Dolo:
5317.5; 5322.5;	Dolo: AA, Trc
5345.0; 5347.5;	Dolo: AA, sm
5370.0; 5380.0;	Dolo:
5395.0; 5417.5;	Dolo:
5440.0; 5453.0;	Dolo:
5465.0; 5479.0;	Dolo: AA,
5520.0;	Granite Wash
5550.0; 5560.0;	GRAN WSH: Pred