



# FORMATION RECORD

33-31s-19E  
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FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil & Clay	20	20	20	
Lime	20	25	5	
Slate	25	35	10	
Shale	35	70	35	
Lime	70	75	5	
Shale	75	110	35	
Lime	110	120	10	
Shale	120	140	20	
Lime	140	150	10	
Shale	150	175	25	
Lime	175	185	10	
Shale	185	235	50	
Lime	235	275	40	
Lime	275	345	20	
Slate	345	350	5	
Lime	350	355	5	
Slate	355	360	5	
White shale, salt-water	360	378	18	
Oil sand	378	395	17	
Shale	395	455	60	
Lime	455	457	2	
Slate	457	460	3	
Light shale	460	490	30	
Shale	490	730	240	
Oil sand	730	739	9	
Shale	739	827	88	
Top of Mississippi				
Lime	827			