



Job No. 10-19-2386
 Client TC ENERGY
 Location MP 26.4

PO/WO No. E.012383 Date 7/12/2019
 Drilling Co. DARLING DRILLING
 GPS: Lat: 37.119211 Long: -99.385978
 S/N 97001156

Calibrated Instrument Used FLUKE 177

Depth	Logging Volts: 14		Geological Log	Depth	Logging Volts: 14		Geological Log	No.	Depth	No Coke	With Coke	
	Amps	Ohms			Amps	Ohms						
5			0-3' TOP SOIL	205				1	195	0.80	3.10	
10			3-7' BROWN CLAY	210				2	185	1.00	3.40	
15			7-9' ROCK	215				3	175	0.90	3.70	
20				220				4	165	1.00	4.00	
25			9-25' BROWN SILTY CLAY AND	225				5	155	1.50	4.10	
30			STREAKS OF ROCK	230				6	145	1.30	4.30	
35				235				7	135	1.30	4.30	
40				240				8	125	1.30	4.20	
45				245				9	115	1.30	5.10	
50				250				10	105	2.90	4.60	
55	1.30	10.77		255				11	95	1.70	4.60	
60				260				12	85	1.70	4.10	
65	1.00	14.00		265				13	75	1.70	3.20	
70				270				14	65	1.00	3.40	
75	1.70	8.24		275				15	55	1.30	3.20	
80				280				16				
85	1.70	8.24		285				17				
90				290				18				
95	1.70	8.24		295				19				
100				300				20				
105	2.90	4.83		305				21				
110				310				22				
115	1.30	10.77		315				23				
120				320				24				
125	1.30	10.77		325				25				
130				330				26				
135	1.30	10.77		335				27				
140				340				28				
145	1.30	10.77		345				29				
150				350				30				
155	1.50	9.33		355				31				
160				360				32				
165	1.00	14.00		365				33				
170				370				34				
175	0.90	15.56		375				35				
180				380				36				
185	1.00	14.00		385				37				
190				390					Volts	14.00	14.00	
195	0.80	17.50		395					Amps	20.70	59.30	
200			25-203' RED SHALE SOFT	400					Ohms	0.68	0.24	
Hole Dia.:		10"	Total Depth:		200'		Casing: Feet:	20'	Dia.:	10"	Type:	SDR-21
No. Anodes:		15	Size and Type:		3884 ANOTEC CAST IRON		Anode Lead:		Size:	#6	Type:	AWG HMWPE
Lbs. Coke:		5,750	Coke Type:		LORESCO SC-3		Top of Coke Column:	50'	Vent:	180'		
Lbs. Plug:		1,500	Plug Type:		BENTONITE		Top of Plug:	5'				