



Job No. 10-15-5447
 Client ONEOK
 Location MP 13.980

PO/WO No. _____ Date 12/9/2015
 Drilling Co.: GILES ENVIROMENTAL SERVICES
 GPS: Lat: 37.56074 Long: 100.87101

Calibrated Instrument Used: FLUKE 179 S/N 97730490

Depth	Logging Volts: 13.6		Geological Log	Depth	Logging Volts: 13.6		Geological Log	No.	Depth	No Coke	With Coke		
	Amps	Ohms			Amps	Ohms							
5			CASING	205				1	275	2.90	6.40		
10			CASING	210	1.50	9.07		2	265	3.00	7.20		
15			CASING	215				3	255	2.70	7.00		
20			CASING	220	1.40	9.71		4	245	2.70	7.00		
25				225				5	235	2.70	6.90		
30				230	1.60	8.50		6	225	2.50	6.70		
35				235				7	215	2.50	6.80		
40				240	1.60	8.50		8	205	2.40	6.10		
45				245				9	195	1.70	4.90		
50				250	1.60	8.50		10	185	0.40	3.20		
55				255				11	175	0.40	3.00		
60				260	1.70	8.00		12	165	0.50	3.00		
65				265				13	155	0.50	2.40		
70				270	1.70	8.00		14	145	0.30	2.10		
75				275				15	135	0.40	3.20		
80				280	1.60	8.50	LOST HOLE	16					
85				285			LOST HOLE	17					
90				290	1.50	9.07	LOST HOLE	18					
95				295			LOST HOLE	19					
100	0.40	34.00		300	1.60	8.50	LOST HOLE	20					
105				305				21					
110	0.40	34.00		310				22					
115				315				23					
120	0.30	45.33		320				24					
125				325				25					
130	0.30	45.33		330				26					
135				335				27					
140	0.30	45.33		340				28					
145				345				29					
150	0.30	45.33		350				30					
155				355				31					
160	0.30	45.33		360				32					
165				365				33					
170	0.30	45.33		370				34					
175				375				35					
180	0.30	45.33		380				36					
185				385				37					
190	1.00	13.60		390					Volts	13.60	13.60		
195				395					Amps	25.60	75.90		
200	1.50	9.07		400					Ohms	0.53	0.18		
Hole Dia.:		9.5"	Total Depth:		300'	Casing Feet:		20'	Dia.:		10"	Type:	SDR 21
No. Anodes:		15	Size and Type:		3884Z CAST IRON	Anode Lead:			Size:		#8	Type:	HALAR
Lbs. Coke:		7,500#	Coke Type:		LORESCO RS-3	Top of Coke Column:		70'	Vent:		180'		
Lbs. Plug		1,750#	Plug Type:		BENTONITE	Top of Plug:		6'					