

Form	ACO1 - Well Completion
Operator	Oneok Field Services LLC
Well Name	GB 47 1
Doc ID	1380171

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	16	10	8	40	Portland	20	0



Job No. 10-16-7284
 Client ONEOK
 Location GB 47

PO/WO No. _____ Date 10/11/2017
 Drilling Co. **WOOFER**
 GPS: Lat: N37.222834 Long: W99.292631
 S/N 36610585

Calibrated Instrument Used FLUKE 177

Depth	Logging Volts: 15.2		Geological Log	Depth	Logging Volts: 15.2		Geological Log	No.	Depth	No Coke	With Coke	
	Amps	Ohms			Amps	Ohms						
5			0-2 SURFACE	205				1	190'	0.60	5.20	
10				210				2	180'	1.10	6.40	
15				215				3	170'	0.60	6.00	
20			20-20 LOESS	220				4	160'	0.70	5.70	
25				225				5	150'	0.60	5.40	
30				230				6	140'	0.60	5.10	
35				235				7	130'	0.60	5.10	
40				240				8	120'	0.50	5.20	
45	0.80	19.00		245				9	110'	0.80	5.40	
50	0.60	25.33		250				10	100'	0.80	5.30	
55	0.80	19.00		255				11				
60	0.60	25.33		260				12				
65	0.70	21.71		265				13				
70	0.50	30.40		270				14				
75	0.50	30.40		275				15				
80	0.60	25.33	20-76 CLAY & CALICHE W SAND	280				16				
85	0.60	25.33		285				17				
90	0.60	25.33		290				18				
95	0.80	19.00		295				19				
100	0.80	19.00		300				20				
105	0.60	25.33		305				21				
110	0.80	19.00		310				22				
115	0.70	21.71		315				23				
120	0.50	30.40		320				24				
125	0.70	21.71		325				25				
130	0.60	25.33		330				26				
135	0.50	30.40		335				27				
140	0.60	25.33		340				28				
145	0.80	19.00		345				29				
150	0.60	25.33		350				30				
155	0.60	25.33		355				31				
160	0.70	21.71		360				32				
165	0.90	16.89		365				33				
170	0.60	25.33		370				34				
175	0.70	21.71		375				35				
180	1.10	13.82		380				36				
185	0.80	19.00		385				37				
190	0.60	25.33		390				Volts		15.20	15.20	
195	0.60	25.33		395				Amps		6.90	54.80	
200	0.60	25.33	76-200 MED SAND W CLAY	400				Ohms		2.20	0.28	
Hole Dia.:		10"	Total Depth:		200'		Casing: Feet:	40'	Dia.:	10"	Type:	SDR 21
No. Anodes:		10	Size and Type:		2.5X100 LIDAS		Anode Lead:		Size:	#8	Type:	HALAR
Lbs. Coke:		3500#	Coke Type:		LORESCO SC-3		Top of Coke Column:		65'	Vent:		140'
Lbs. Plug:		1400#	Plug Type:		BENTONITE		Top of Plug:		3' BELOW SURFACE			

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SITE: Multiple LOCATION: Kansas

LOGGED		DRILLING	
BY:	Brewer	METHOD:	Wet Rotary or Dry FLUID Water if wet rotary

	TYPE	INTERVAL	MATERIAL	JOINT LENGTH	DIAMETER
CASING:	SDR 21	0-40'	PVC		10"
Casing Data	40 ft casing grouted with estimated 20 sacks of Portland				
Well Plug	Bentonite plug				

DEEP GROUND BED WELL CONSTRUCTION					DEPTH (FT.)	DESCRIPTION/COMMENTS									
40" Casing				40' Casing	3			S O I L							
					40			P U R E G O L D							
					65			B E N T O N I T E							
		X													
		X													
		X													
		X													
		X													
		X													
		X													
		X						L O R E S C O							
		X						C O K E B R E E Z E							
		X													
		X						10 L I D A							
		X						A N O D E S							
		X													
		X													
		X													
					200										

Initial Depth to Water:	
Static Depth to Water:	
Comments	Not to scale