

Form	ACO1 - Well Completion
Operator	La Grange Acquisition, LP dba Energy Transfer Company
Well Name	LIB 50.2A 1
Doc ID	1612443

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	9.110	20	bentonite clay	13	0



MERIDIAN PIPELINE SERVICES

DEEP GROUNDBED DRILL LOG & RECTIFIER FORM

CLIENT INFORMATION

Client	Panhandle Eastern Pipeline					Job Number	2021-0480		
Facility	MP 50.2A					Customer Contact	Andre Reimer		
City	Minneola	County	Ford	State	KS	Phone No.	620-655-3598		

DEEP GROUNDBED & DRILLING LOG INFORMATION North Well ☒ New Installation ☐ Existing Rectifier

Hole Dia.	10"	Total Depth	200'	Casing Feet	20'	Dia.	10"	Type	SDR 26	Groundbed GPS	
No. Anodes	15	Size & Type	4x80 Graphite	Anode Lead		Size	#8	Type	Haylar	N	37.47802037
Lbs. Coke	5,000	Coke Type	SC3	Top of Coke Column	25			Vent	Double	W	99.96153974
Lbs. Plug	250	Plug Type	Bentonite	Top of Plug	5'			Logging Volts		13	

Depth Ft.	DRILLER'S LOG	Anode NO.	Electric Log				Depth Ft.	DRILLER'S LOG	Anode NO.	Electric Log			
			Volts	Amps Before	Amps After	Remarks				Volts	Amps Before	Amps After	Remarks
0				0.2			205						
5							210						
10				0.0			215						
15							220						
20				0.2			225						
25							230						
30				0.2			235						
35							240						
40				0.2			245						
45							250						
50				0.2			255						
55							260						
60		30		0.1			265						
65							270						
70		28		0.2			275						
75							280						
80		26		0.1			285						
85							290						
90		24		0.1			295						
95							300						
100		22		0.1			305						
105							310						
110		20		0.1			315						
115							320						
120		18		0.1			325						
125							330						
130		16		0.2			335						
135							340						
140		14		0.1			345						
145							350						
150		12		0.1			355						
155							360						
160		10		0.1			365						
165							370						
170		8		0.1			375						
175							380						
180		6		0.1			385						
185							390						
190		4		0.1			395						
195							400						
200		2		0.1			Total						

ANODE JUNCTION BOX INFORMATION

ANODE JUNCTION BOX												COMMENTS						
Cir.	Amp		Cir.	Amp		Cir.	Amp		Cir.	Amp								
1			6			11			16			21			26			
2			7			12			17			22			27			
3			8			13			18			23			28			
4			9			14			19			24			29			
5			10			15			20			25			30			
Shunt		Mv	50		Amp	50								TOTAL				

RECTIFIER INFORMATION

Manufacturer	Universal			Rectifier ID Number					
Model No.	ASAI	DC Volts	80	AC Volts	115/230	Max Coarse	6	Shunt Amp	100
Serial No.	212151	DC Amps	80	AC Amps	78.4/39.2	Max Fine	6	Shunt mV	50
GPS Coordinates	Latitude	N	37.47715612			Longitude	W 99.96146027		
RMU Type					Serial Number				

ENERGIZED INFORMATION				☒ No A/C Power ☐ #12 Lead Installed with Negative					
Coarse Tap Setting		of		AC Volts		DC Volts		DC Amps	
Fine Tap Setting		of		AC Amps		DC mV		Structure PS	
Calculated Ground Bed Resistance				Calculated Rectifier Efficiency					

ASBUILT DRAWING

DEEP BED

NEGATIVE JUNCTION BOX

POSITIVE JUNCTION BOX

ANODE JUNCTION BOX

RECTIFIER

WELL HEAD

POWER POLE

COUPON TEST STATION

AC POWER POLE

BLOCK VALVE

REFERENCE CELL

MAG ANODE

VERTICAL CAST-IRON ANODE

HORIZONTAL CAST-IRON ANODE

Remarks:
Customer having AC put in on 11/15, was not worried about anode output with 12V battery.

Technician/Foreman
Cameron Kotan

Date
11/12/21