

Form	ACO1 - Well Completion
Operator	Natural Gas Pipeline Company of America LLC
Well Name	AMA 309 B1 1
Doc ID	1859391

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	10.750	7.5	20	Bentonite	16	0

CITATION

DRILLING & BORING

DEEP GROUND BED DRILL LOG & RECTIFIER FORM

CLIENT INFORMATION

Client	Kinder Morgan					Job Number	2025-0374		
Facility	AMA 309 DW-1					Customer Contact	Rob Reeves		
City	SYLVAN GROVE	County	Lincoln	State	Ks	Phone No.	+1 (620) 793-0444		

DEEP GROUND BED & DRILLING LOG INFORMATION

☐ New Installation ☒ Existing Rectifier

Hole Dia.	10"	Total Depth	240'	Casing Feet	20'	Dia.	10"	Type	SDR-21 PVC	Groundbed GPS	
No. Anodes	12	Size & Type	1"x60" Lida MMO	Anode Lead	300'	Size	#8	Type	Halar	N	38.965089
Lbs. Coke	5000	Coke Type	SC3	Top of Coke Column	82'	Vent	140'	W	-98.279506		
Lbs. Plug	2800'	Plug Type	Bentonite	Top of Plug	3'	Logging Volts			12.8		

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							205		4		1.2	4.1	
5							210	Sand stone					
10	Casing						215		3		.8	3.8	
15							220	Sand stone					
20	Casing						225		2		.8	3.8	
25							230	Sand stone					
30	Sand						235		1		1.1	3.8	
35							240	Sand stone					
40	Sand						245						
45							250						
50	Sand						255						
55							260						
60	Sand						265						
65							270						
70	Sand						275						
75							280						
80	Sand						285						
85							290						
90	Sandy clay						295						
95							300						
100	Sandy clay						305						
105							310						
110	Sandy clay						315						
115							320						
120	Sandy clay						325						
125		12		1.5	5.1		330						
130	Sandy clay						335						
135		11		1.5	5.1		340						
140	Sandy clay						345						
145		10		1.4	5.2		350						
150	Sandy clay						355						
155		9		1.4	5.1		360						
160	Sand stone						365						
165		8		.8	4.8		370						
170	Snad stone						375						
175		7		1.1	4.9		380						
180	Sand stone						385						
185		6		.9	5.1		390						
190	Sand stone						395						
195		5		1.4	5.2		400						
200	Sand stone						Total						

ANODE JUNCTION BOX INFORMATION

ANODE JUNCTION BOX												COMMENTS
Cir.	Amp	Cir.	Amp	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		Amp		TOTAL						

RECTIFIER INFORMATION

Manufacturer		Universal Rectifiers		Rectifier ID Number				
Model No.	ASAI	DC Volts	50	AC Volts	115/230	Max Coarse	4	Shunt Amp80
Serial No.	090604	DC Amps	80	AC Amps	49.0/24.5	Max Fine	6	Shunt mV50
GPS Coordinates		Latitude	N			Longitude	W	
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

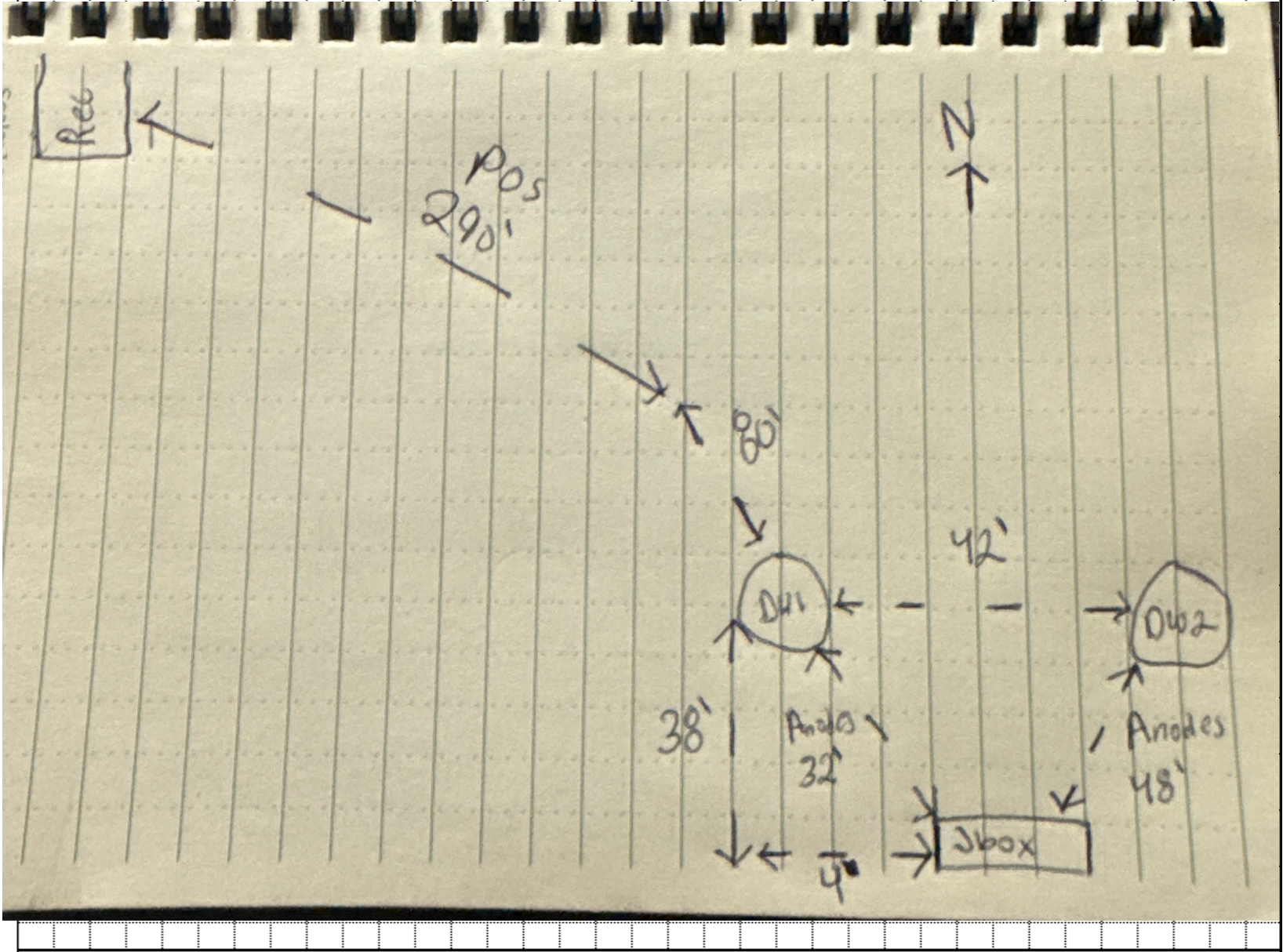
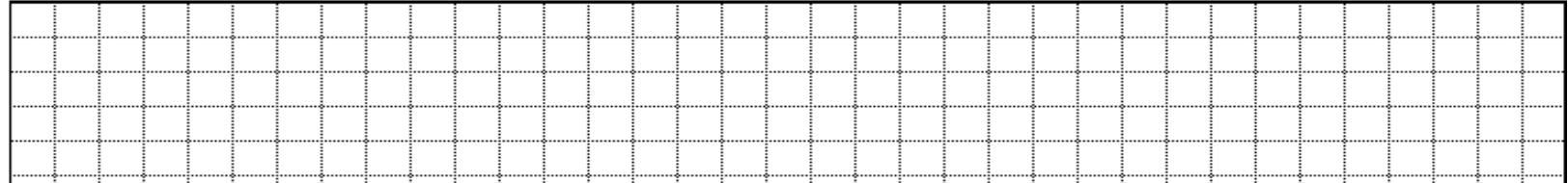
BLOCK VALVE

REFERENCE CELL

MAG ANODE

VERTICAL CAST-IRON ANODE

HORIZONTAL CAST-IRON ANODE



Remarks:

Technician/Foreman _____ Date _____

