

252-30-045-27040
112-30-045-27527
5-30-045-20463
DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO

Exhibit D

Operator MERIDIAN Location: Unit NW Sec. 17 Twp 30 Rng 9

Name of Well/Wells or Pipeline Serviced PIERCE # 252, #1R, #5

Elevation Completion Date 11/5/90 Total Depth 520' Land Type

Casing Strings, Sizes, Types & Depths 20' 8" PVC CASING

If Casing Strings are cemented, show amounts & types used

If Cement or Bentonite Plugs have been placed, show depths & amounts used

Depths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. WET AT 150' WATER AT 360'

Depths gas encountered:

Ground bed depth with type & amount of coke breeze used:

310' 3800# Ashbury Petroleum coke breeze

Depths anodes placed: 495, 488, 481, 474, 466, 458, 450, 442, 434, 425, 355, 345

Depths vent pipes placed: 520' 1" vent pipe

Vent pipe perforations: 460'

Remarks:

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.
If Federal or Indian, add Lease Number.

WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG

Exhibit A

Drilling Log (Attach Hereto) ☐Completion Date 11-5-90

CPS #	Well Name, Line or Plant:	Work Order #	DP NO.	Status:	Ins. Union Check				
2165W	Pierce # 252	3667A			☒ Good ☐ Bad				
	Pierce # 1R	4217A							
	Pierce # 5	52276A							
Location:	Anode Size:	Anode Type:	Size Bit:						
NW 17-30-9	2" X 60"	ANDTEC	6 3/4						
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Loss Circulation Mat'l Used		No. Sacks Mud Used			
520'	500'		3800#						
Anode Depth									
# 1 495	# 2 488	# 3 481	# 4 474	# 5 466	# 6 458	# 7 450	# 8 442	# 9 434	# 10 425
Anode Output (Amps)									
# 1 2.4	# 2 2.9	# 3 3.3	# 4 3.5	# 5 3.8	# 6 4.6	# 7 3.2	# 8 3.5	# 9 6.6	# 10 3.9
Anode Depth									
# 11 355	# 12 345	# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20
Anode Output (Amps)									
# 11 2.7	# 12 2.7	# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20
Total Circuit Resistance			No. # C.P. Cable Used			No. 2 C.P. Cable Used			
Volts			Amps			Ohms			

Remarks: Set 20' of 8" PVC casing. Driller said water at 150', waited 30 minutes. Did NOT blow water. Did NOT get water sample. Started injecting at 200'. Driller said hit water at 360'. Ran 520' of 1" Vent Pipe. Perforated 460' of Vent Pipe. Left coke breeze approximately 310'.

Rectifier Size: _____ V _____ A
 Addn'l Depth: _____
 Depth Credit: _____
 Extra Cable: _____ 30'
 Ditch & 1 Cable: _____
 25' Meter Pole: _____
 20' Meter Pole: _____
 10' Stub Pole: _____
 Junction Box: _____ 1

All Construction Completed

Wills Knight Jr
 (Signature)

GROUND BED LAYOUT SKETCH

Pierce # 1R Pierce # 252

O.G.B. #1

RECEIVED

NOV 30 1990

OIL CON. DIST. 3

Pierce # 5

Tool Dresser

Meridion 011

Exhibit C

CPS #: WELL NAME: Porce #252, 1R + 5 LOCATION: NW 17-30-9 DATE: 11-5-90

TOTAL VOLTS: 12.0 TOTAL AMPS: 13.4 OHMS RESISTANCE: 89

											ANODE READINGS			
DEEP	LOG ANODE NO.	DEEP	LOG ANODE NO.	DEEP	LOG ANODE NO.	DEEP	LOG ANODE NO.	DEEP	LOG ANODE NO.	DEEP	NO.	DEPTH	NO COKE	WITH COKE
5		185		365	.20	545					1	495	1.6	2.4
10		190		370	.20	550					2	488	1.7	2.9
15		195		375	.10	555					3	481	1.6	3.3
20		200		380	.10	560					4	474	1.9	3.5
25		205		385	.10	565					5	466	2.3	3.8
30		210		390	.10	570					6	458	1.7	4.6
35		215		395	.20	575					7	450	1.4	3.2
40		220		400	.10	580					8	442	1.7	3.5
45		225		405	.10	585					9	434	1.9	6.6
50		230		410	.30	590					10	425	1.7	3.9
55		235		415	.70	595					11	355	1.4	2.7
60		240		420	.80	600					12	345	1.4	2.7
65		245		425	1.3	605	10							
70		250		430	2.0	610								
75		255		435	1.8	615	9							
80		260		440	2.2	620								
85		265		445	1.8	625	8							
90		270		450	1.7	630								
95		275		455	1.5	635	7							
100		280		460	1.5	640								
105		285		465	1.7	645	6							
110		290		470	1.5	650								
115		295		475	1.1	655	5							
120		300	.60	480	1.3	660								
125		305	.70	485	2.0	665	4							
130		310	1.2	490	2.0	670								
135		315	.60	495	1.8	675	3							
140		320	.20	500	1.3	680								
145		325	1.1	505	1.5	685	2							
150		330	1.2	510	1.2	690								
155		335	1.0	515	1.1	695	1							
160		340	.30	520	1.4	700	7.0							
165		345	1.2	525		705								
170		350	1.4	530		710								
175		355	1.1	535		715								
180		360	.60	540		720								

REMARKS: Set 20' of 9" PVC casing. Driller said wat at 150' waited 30 minutes. Did NOT show water. Did NOT get water sample. Started injecting at 200'. Driller said water at 360'. Used 2 different counters. 1 to log holes which was jumping numbers and 1 to put anodes in hole. Do not know which footage is correct TD. I registered 520', the other 500'.