

**DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO**

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

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

cps 2165w

Elevation 6331' Completion Date 11/5/90 Total Depth 520' Land Type N/A

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

If Casing Strings are cemented, show amounts & types used N/A

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

N/A

Depths & thickness of water zones with description of water: Fresh, Clear

Salty, Sulphur, Etc. WET AT 150' WATER AT 360'

Depths gas encountered: N/A

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: gb #1

RECEIVED
MAY 31 1991
OIL CON. DIV.

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 include

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	Lost 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. 8 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 min. 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

Pierce #5

6331



Tool Dresser™

CONSTRUCTION LOGGING READINGS

Exhibit C

Ardion Oil

CFS #:

WELL NAME: Force 252, 1R+5 LOCATION: NW17-30-9 DATE: 11-5-90

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

DEEP	LOG ANODE NO.	DEEP	LOG ANODE NO.	DEEP	LOG ANODE NO.	DEEP	LOG ANODE NO.	DEEP	LOG ANODE NO.	DEEP	LOG ANODE NO.	ANODE READINGS			
												HO.	DEPTH	HO 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	110	555		3	481	1.6	3.3				
20		200		380	110	560		4	474	1.9	3.5				
25		205		385	110	565		5	466	2.3	3.8				
30		210		390	110	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	110	585		9	434	1.9	4.6				
50		230		410	30	590		10	425	1.7	3.9				
55		235		415	170	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 8" PVC CASING. DRILLER SAID NOT AT 150' WAITED 30 MINUTES, Did NOT Allow 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 HOLES. DO NOT KNOW WHICH FOOTAGE IS CORRECT TO REGISTERED 520', THE OTHER 500'.