

1462 #252 30-045-27040
#1R 30-045-27527
#5 30-045-20463

Exhibit D

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.	Static:	Inn. Union Check							
	PIERCE # 252	3667A			☒ Good ☐ Bad							
	PIERCE # 1R	4217A										
2165W	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	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10		
	495	488	481	474	466	458	450	442	434	425		
Anode Output (Amps)	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10		
	2.4	2.9	3.3	3.5	3.8	4.6	3.2	3.5	6.6	3.9		
Anode Depth	# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20		
	355	345										
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20		
	2.7	2.7										
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 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: _____ /

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

A' eidian oil

CPS #:

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

												ANODE READINGS			
DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	NO.	DEPTH	NO COKE	WITH COKE
5			185			365	2.0		545			1	495	1.6	2.4
10			190			370	1.20		550			2	488	1.7	2.9
15			195			375	1.10		555			3	481	1.6	3.3
20			200			380	1.10		560			4	474	1.9	3.5
25			205			385	1.10		565			5	466	2.3	3.8
30			210			390	1.10		570			6	458	1.7	4.6
35			215			395	1.20		575			7	450	1.4	3.2
40			220			400	1.10		580			8	442	1.7	3.5
45			225			405	1.10		585			9	434	1.9	6.6
50			230			410	1.30		590			10	425	1.7	3.9
55			235			415	1.70		595			11	355	1.4	2.7
60			240			420	1.80		600			12	345	1.4	2.7
65			245			425	1.3	10	605						
70			250			430	2.0		610						
75			255			435	1.8	9	615						
80			260			440	2.2		620						
85			265			445	1.8	8	625						
90			270			450	1.7		630						
95			275			455	1.5	7	635						
100			280			460	1.5		640						
105			285			465	1.7	6	645						
110			290			470	1.5		650						
115			295			475	1.1	5	655						
120			300	1.60		480	1.3		660						
125			305	1.70		485	2.0	4	665						
130			310	1.2		490	2.0		670						
135			315	1.60		495	1.8	3	675						
140			320	1.20		500	1.3		680						
145			325	1.1		505	1.5	2	685						
150			330	1.2		510	1.2		690						
155			335	1.0		515	1.1	1	695						
160			340	1.30		520	1.4	7.0	700						
165			345	1.2	12	525			705						
170			350	1.4		530			710						
175			355	1.1	11	535			715						
180			360	1.60		540			720						

REMARKS: SET 20' OF 9" 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 HOLE. DO NOT KNOW WHICH FOOTAGE IS CORRECT TO REGISTERED 520', THE OTHER 500'.