

30-045-20862

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

7025W

Operator Meridian Location: Unit K Sec. 13 Twp 25 Rng 10

Name of Well/Wells or Pipeline Serviced Huerfano #221

Elevation 6811 Completion Date 11/10/91 Total Depth 342' Land Type F

Casing Strings, Sizes, Types & Depths 100' of 8" PVC CASING

If Casing Strings are cemented, show amounts & types used Cemented
WITH 24 SACKS:

If Cement or Bentonite Plugs have been placed, show depths & amounts used
NONE

Depths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. HIT FRESH WATER AT 125'

Depths gas encountered: NONE

Ground bed depth with type & amount of coke breeze used: Drilled To
342', AND USED 10 SACKS OF Lotesco, + 71 SACKS OF Asbury

Depths anodes placed: 310', 300', 290', 280', 270', 210', 200', 190', 180', 165', 140', + 130'

Depths vent pipes placed: SURFACE TO 342'

Vent pipe perforations: BOTTOM 220'

Remarks: _____

RECEIVED

FEB 24 1992

OIL CON. DIV.,
DIST. 3

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.

CPS GROUND BED CONSTRUCTION WORKSHEET

CPS# 1025W	P/L NAME(s), NUMBER(s) Huertano #221					
* 0719	TOTAL	VOLTS 12.4	AMPS 31.2	- OHMS .40	DATE 11/10/91	NAME John L. Moss
REMARKS (notes for construction log) Driller Reported Water at 125' Installed 342' of Vent Pipe, with the bottom 220' Perforated Total Depth 342'.						

DEPTH	LOG ANODE	ANODE *	DEPTH	LOG ANODE	ANODE *	DEPTH	LOG ANODE	ANODE *	DEPTH	LOG ANODE	ANODE *	
100	3.8		295	2.8		490			685			
105	3.7		300	2.7	2	495			690			
110	3.1		305	3.1		500			695			
115	3.1		310	3.1	1	505			700			
120	3.3		315	2.7		510			ANODE	DEPTH	NO.	FULLY
125	3.3		320	2.2		515			*		COKE	COKE D
130	3.5	12	325	1.1		520			1	310	3.0	6.6
135	3.9		330	.3		525			2	300	2.9	6.6
140	3.5	11	335	.3		530			3	290	3.1	6.5
145	3.2		340	.3		535			4	280	3.1	6.7
150	3.2		345			540			5	270	3.1	6.7
155	2.9		350			545			6	210	3.5	7.1
160	3.1		355			550			7	200	3.4	7.6
165	3.2	10	360			555			8	190	3.5	8.2
170	3.0		365			560			9	180	3.2	8.1
175	3.3		370			565			10	165	3.3	8.6
180	3.1	9	375			570			11	140	3.7	9.1
185	3.6		380			575			12	130	3.7	8.6
190	3.3	8	385			580			13			
195	3.1		390			585			14			
200	3.3	7	395			590			15			
205	3.5		400			595			16			
210	3.2	6	405			600			17			
215	2.9		410			605			18			
220	2.7		415			610			19			
225	2.4		420			615			20			
230	1.3		425			620			21			
235	1.0		430			625			22			
240	1.4		435			630			23			
245	1.8		440			635			24			
250	1.9		445			640			25			
255	1.3		450			645			26			
260	2.7		455			650			27			
265	3.1		460			655			28			
270	3.0	5	465			660			29			
275	3.1		470			665			30			
280	3.0	4	475			670						
285	2.9		480			675						
290	2.9	3	485			680						

DISTRIBUTION - original - permanent CPS FILE

copy - Division Corrosion Supervisor

copy - Region Corrosion Specialist

API WATER ANALYSIS REPORT FORM

Laboratory No. 25-920103-28

Company <u>MERIDIAN OIL</u>		Sample No.		Date Sampled <u>11-10-91</u>	
Field <u>1025W</u>		Legal Description <u>K-13-25-10</u>		County or Parish <u>San Juan</u>	
Lease or Unit		Well <u>Huerfand #221</u>		Depth <u>125'</u>	
		Formation <u>Water Table</u>		Water, B/D	
Type of Water (Produced, Supply, etc.) <u>Produced</u>		Sampling Point <u>Deepwell C.P. Groundbed</u>		Sampled By <u>J. L. Moss</u>	



TECH, Inc.
333 East Main
Farmington
New Mexico
87401
505/327-3311

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	<u>380</u>	<u>16.5</u>
Calcium, Ca	<u>4</u>	<u>0.2</u>
Magnesium, Mg	<u>-</u>	<u>-</u>
Barium, Ba		

OTHER PROPERTIES

pH	<u>9.11</u>
Specific Gravity, 60/60 F.	<u>1.0017</u>
Resistivity (ohm-meters) <u>63</u> F.	<u>9.2</u>

Total Dissolved Solids (calc.)

1,200

ANIONS

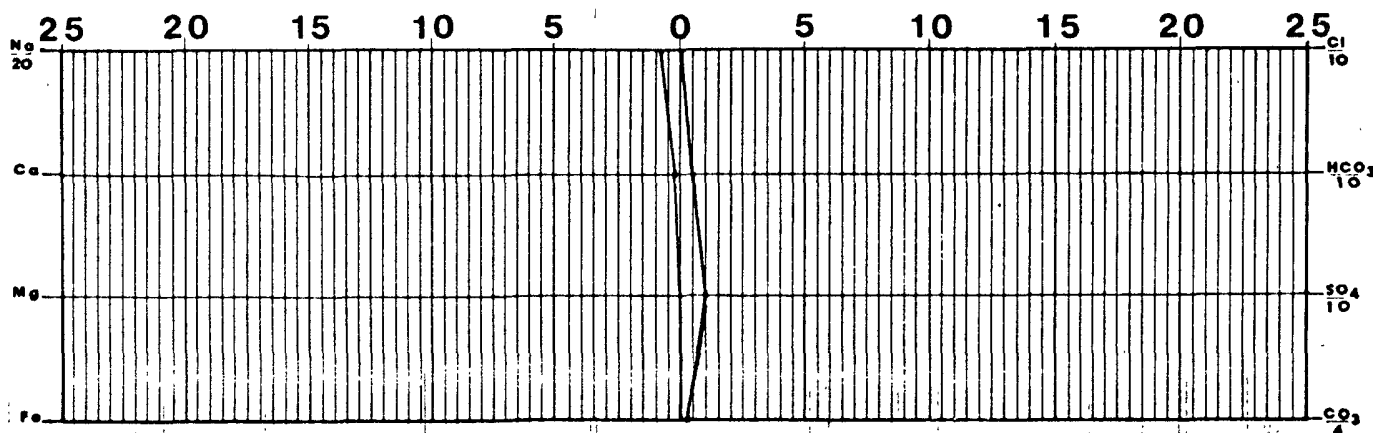
Chloride, Cl	<u>20</u>	<u>0.6</u>
Sulfate, SO_4	<u>480</u>	<u>9.9</u>
Carbonate, CO_3	<u>30</u>	<u>1</u>
Bicarbonate, HCO_3	<u>320</u>	<u>5.2</u>

Iron, Fe (total)

Sulfide, as H_2S

REMARKS & RECOMMENDATIONS:

ATTN: C. W. DONOHUE



Date Received <u>3rd Jan, 1992.</u>	Preserved	Date Analyzed <u>16th Jan, 1992</u>	Analyzed By <u>R. H.</u>
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