

184-30-045-20399

253-30-045-21419

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

9610

Operator Meridian Location: Unit P Sec. 11 Twp 26 Rng 10

Name of Well/Wells or Pipeline Serviced _____

Huertano #184 + #253

Elevation 6649 Completion Date 12/3/91 Total Depth 360 Land Type F

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

If Casing Strings are cemented, show amounts & types used 23 SACKS
OF CEMENT

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. FRESH WATER WAS ENCOUNTERED AT 110'

Depths gas encountered: NONE

Ground bed depth with type & amount of coke breeze used: Drilled To
360', AND USED 26 SACKS OF LOTESCO, AND 46 SACKS OF ASBURY (4900")

Depths anodes placed: 345', 335', 325', 315', 305', 295', 270', 260', 230', 220', 210', 140'

Depths vent pipes placed: SURFACE TO 350'

Vent pipe perforations: BOTTOM 240'

Remarks: _____

RECEIVED

FEB 24 1992

OIL CON. DIV.
DIST. 2

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# 961W	P/L NAME (S), NUMBER (S) Huertano #184 + #253					
WO # 45016A 51791A	TOTAL	VOLTS 12.0	AMPS 32.4	- OHMS .37	DATE 12/3/91	NAME JOHN L. MOSS

REMARKS (notes for construction log)

Drilled 360. Bottom 240' of Vent Pipe is Perforated.
Driller Reported Water AT 110'

DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	
	ANODE	*		ANODE	*		ANODE	*		ANODE	*	
100			295	5.2	6	490			685			
105			300	5.3		495			690			
110			305	4.5	5	500			695			
115	1.7		310	4.9		505			700			
120	3.4		315	4.9	4	510			ANODE	DEPTH	NO	FULLY
125	5.2		320	4.6		515			*		COKE	COK'D
130	5.1		325	5.0	3	520			1	345	5.5	7.9
135	5.1		330	4.7		525			2	335	4.7	8.3
140	4.1	12	335	4.6	2	530			3	325	4.9	8.6
145	3.7		340	5.1		535			4	315	4.8	8.2
150	2.6		345	5.6	1	540			5	305	4.7	8.7
155	2.4		350	4.6		545			6	295	5.3	8.6
160	2.7		355	4.4		550			7	270	4.8	7.9
165	2.8		360			555			8	260	4.2	6.9
170	2.5		365			560			9	230	5.0	8.1
175	1.9		370			565			10	220	4.8	8.0
180	1.8		375			570			11	210	4.6	7.7
185	2.1		380			575			12	140	4.5	8.8
190	2.2		385			580			13			
195	2.2		390			585			14			
200	2.3		395			590			15			
205	2.4		400			595			16			
210	4.4	11	405			600			17			
215	4.8	3	410			605			18			
220	4.7	10	415			610			19			
225	4.7		420			615			20			
230	4.8	9	425			620			21			
235	4.0		430			625			22			
240	3.4		435			630			23			
245	3.0		440			635			24			
250	2.9		445			640			25			
255	3.1		450			645			26			
260	4.0	8	455			650			27			
265	4.6		460			655			28			
270	4.5	7	465			660			29			
275	3.4		470			665			30			
280	3.0		475			670						
285	2.8		480			675						
290	3.5		485			680						

DISTRIBUTION - original - permanent CPS FILE

copy - Division Corrosion Supervisor

copy - Region Corrosion Specialist

API WATER ANALYSIS REPORT FORM

Laboratory No. 25-920103-2C

Company <u>MERIDIAN OIL</u>		Sample No.	Date Sampled <u>12-3-91</u>
Field <u>961W</u>	Legal Description <u>P-11-26-10</u>	County or Parish <u>San Juan</u>	State <u>NM</u>
Lease or Unit	Well <u>Huerfano #184, #23</u>	Depth <u>110'</u>	Formation <u>Water Table</u>
Type of Water (Produced, Supply, etc.) <u>Produced</u>		Sampling Point <u>Deepwell Groundbed</u>	Sampled By <u>J. L. Moss</u>

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	<u>3200</u>	<u>140</u>
Calcium, Ca	<u>146</u>	<u>7.3</u>
Magnesium, Mg	<u>12</u>	<u>1.0</u>
Barium, Ba		

OTHER PROPERTIES

pH	<u>7.29</u>
Specific Gravity, 60/60 F.	<u>1.0077</u>
Resistivity (ohm-meters) <u>63</u> F.	<u>0.75</u>

Total Dissolved Solids (calc.)

8,900

ANIONS

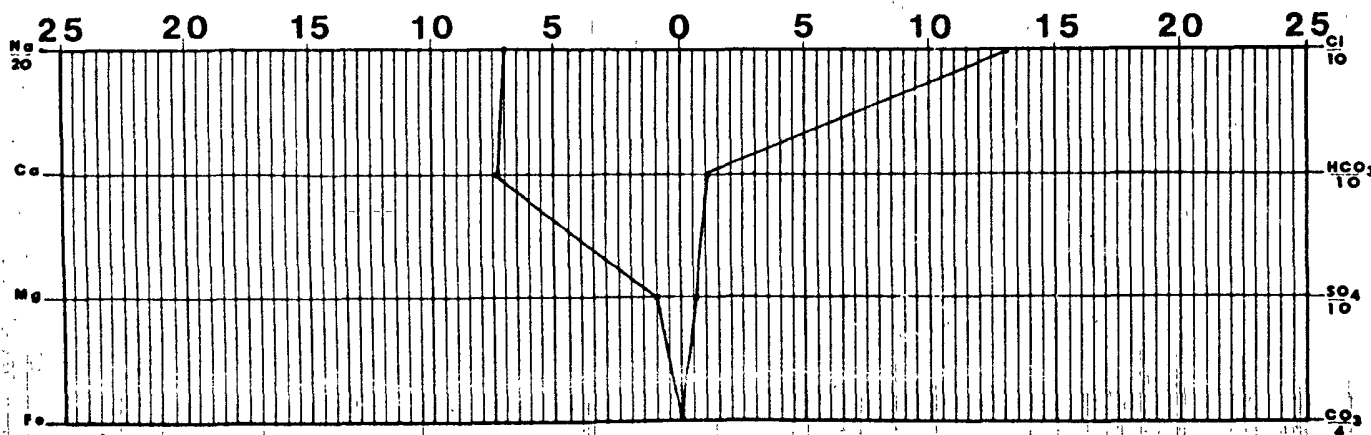
Chloride, Cl	<u>4,640</u>	<u>131</u>
Sulfate, SO_4	<u>270</u>	<u>5.7</u>
Carbonate, CO_3	<u>-</u>	<u>-</u>
Bicarbonate, HCO_3	<u>660</u>	<u>11</u>

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