

555

10-30-039-07417

E

88-30-039-20475

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

111600

Operator Meridian Location: Unit K Sec. 15 Twp 28 Rng 5Name of Well/Wells or Pipeline Serviced SAN JUAN 28-5 #10 +

#88

Elevation _____ Completion Date 8-28-91 Total Depth 405 Land Type FCasing Strings, Sizes, Types & Depths 8" PVC SURFACE CASING

80' DEEP

If Casing Strings are cemented, show amounts & types used Yes - 22

SACKS NEAT CEMENT

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

NO

Depths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. Fresh 100'Depths gas encountered: NOGround bed depth with type & amount of coke breeze used: 405' with15 BAGS LORESCO Type SW + 88 BAGS Asbury 4518 Flo CoaledDepths anodes placed: 375, 365, 303, 294, 285, 249, 240, 230, 220, 211, 202, 145Depths vent pipes placed: 405'Vent pipe perforations: BOTTOM 300'

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# 1116-W	P/L NAME(s), NUMBER(s) S. J. 28-5 #10, #88					
*49498A 44064A	TOTAL	VOLTS 12.46	AMPS 27.6	- OHMS .45	DATE 8-28-91	NAME MRW
REMARKS (notes for construction log) 80' 8" - 22 CEMENT						
WATER 100' perforated bottom 300'						
TD 405						
90 3.0 95 2.0 88 Asbury 15 horesco						

DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	
100	2.0		295	3.1		490			685			
105	1.7		300	3.1		495			690			
110	1.7		305	1.9		500			695			
115	2.4		310	1.3		505			700			
120	2.0		315	.9		510			ANODE	DEPTH	NO	FULLY
125	2.2		320	.6		515			*		COKE	COK'D
130	3.1		325	.5		520			1	375	2.3	4.0
135	3.5		330	.4		525			2	365	2.6	4.8
140	3.6		335	.4		530			3	303	2.8	4.9
145	3.5		340	.4		535			4	294	3.1	5.8
150	2.7		345	.5		540			5	285	2.5	5.0
155	2.8		350	.5		545			6	249	2.4	4.8
160	2.8		355	.7		550			7	240	3.3	6.6
165	1.6		360	2.6		555			8	230	3.4	6.8
170	1.2		365	2.5		560			9	220	3.7	7.8
175	1.0		370	2.4		565			10	211	3.7	7.7
180	.9		375	2.2		570			11	202	2.9	7.1
185	.7		380	1.6		575			12	145	3.5	6.4
190	.8		385	1.5		580			13			
195	1.1		390	1.4		585			14			
200	1.7		395	1.5		590			15			
205	3.9		400	2.0		595			16			
210	3.6		405	2.2	TD	600			17			
215	3.7		410			605			18			
220	3.6		415			610			19			
225	3.2		420			615			20			
230	3.2		425			620			21			
235	3.3		430			625			22			
240	3.1		435			630			23			
245	2.7		440			635			24			
250	1.9		445			640			25			
255	1.1		450			645			26			
260	.8		455			650			27			
265	1.3		460			655			28			
270	.6		465			660			29			
275	1.1		470			665			30			
280	2.3		475			670						
285	2.4		480			675						
290	2.8		485			680						

DISTRIBUTION - original - permanent CPS FILE

copy - Division Corrosion Supervisor

copy - Region Corrosion Specialist

API WATER ANALYSIS REPORT FORM

Laboratory No. 25910830-1I

Company <u>MERIDIAN OIL</u>		Sample No. <u>1116W</u>		Date Sampled <u>8/28/91</u>	
Field		Legal Description <u>K15-28-5</u>		County or Parish <u>Rio Arriba</u>	
Lease or Unit		Well <u>SJ28-5 #10</u>		State <u>N.M.</u>	
Type of Water (Produced, Supply, etc.)		Depth <u></u>		Formation <u>MU</u>	
Sampling Point <u>GROUND BED 100'</u>		Water, B/D <u></u>		Sampled By <u>MRW</u>	

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	<u>480</u>	<u>21</u>
Calcium, Ca	<u>48</u>	<u>2.4</u>
Magnesium, Mg	<u>9.7</u>	<u>0.8</u>
Barium, Ba	<u></u>	<u></u>
	<u></u>	<u></u>
	<u></u>	<u></u>

OTHER PROPERTIES

pH	<u>8.3</u>
Specific Gravity, 60/60 F.	<u>1.0028</u>
Resistivity (ohm-meters) <u>70' F.</u>	<u>5.70</u>
	<u></u>
	<u></u>

Total Dissolved Solids (calc.)

1700

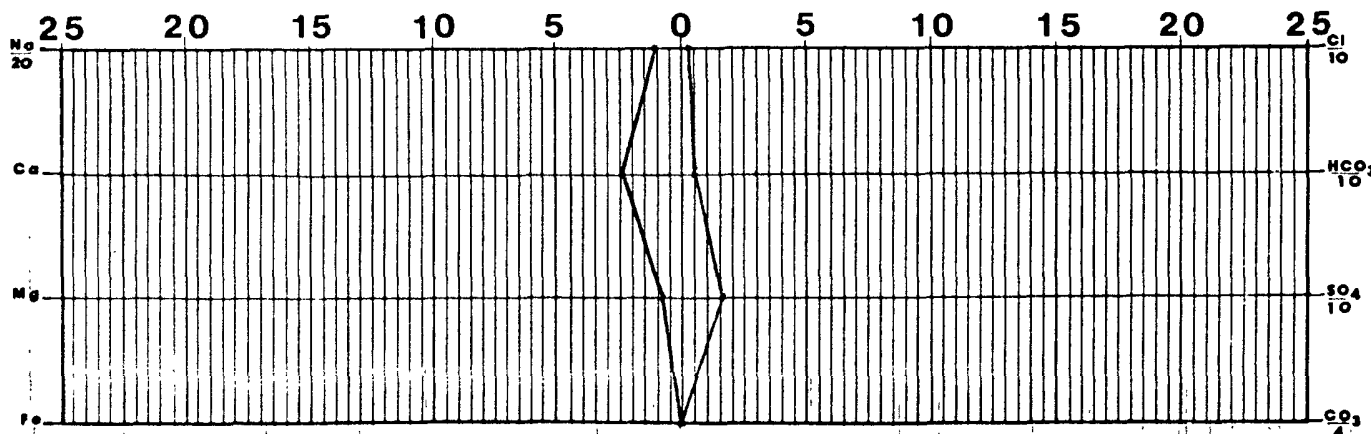
ANIONS

Chloride, Cl	<u>110</u>	<u>3.0</u>
Sulfate, So ₄	<u>790</u>	<u>16</u>
Carbonate, CO ₃	<u>0</u>	<u>0</u>
Bicarbonate, HCO ₃	<u>310</u>	<u>5.0</u>
	<u></u>	<u></u>
	<u></u>	<u></u>

Iron, Fe (total)

Sulfide, as H₂S

REMARKS & RECOMMENDATIONS:



Date Received <u>8/30/91</u>	Preserved <u>No</u>	Date Analyzed <u>8/31/91</u>	Analyzed By <u>ES</u>
---------------------------------	------------------------	---------------------------------	--------------------------



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