

702

30-045-10244 4203W

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DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Mexican Oil Location: Unit F Sec. 27 Twp 31 Rng 8Name of Well/Wells or Pipeline Serviced Wells 2Elevation 6343 Completion Date 8-1-91 Total Depth 482 Land Type FCasing Strings, Sizes, Types & Depths 100" 40' 8" PVC

If Casing Strings are cemented, show amounts & types used

22 sacks of 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 170'

RECEIVED

FEB 24 1992

Depths gas encountered: NO

OIL CON. DIV.]

Ground bed depth with type & amount of coke breeze used: DIST. 3482' Reburg 72 sacksDepths anodes placed: 460' 425' 415' 408' 365' 363' 342' 334' 326' 317' 308' 298'Depths vent pipes placed: 482'Vent pipe perforations: 1" apart, perforated bottom 300'

Remarks:

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# 4263-w		P/L NAME (*), NUMBER (*) Hale 2 Hale 350 Hale 2R					
* K439		TOTAL	VOLTS 11.52	AMPS 13.2	OHMS .87	DATE 8-1-91	NAME L.S.E.
REMARKS (notes for construction log)							
Water at 170'							
Perforated bottom 300'							

DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	
100			295	.9	12	490			685			
105			300	1.4		495			690			
110			305	1.7	11	500			695			
115			310	2.2		505			700			
120			315	2.4	10	510			ANODE	DEPTH	NO	FULLY
125			320	2.6		515			*		COKE	COKE * D
130			325	2.4	9	520			1	460	1.5	3.1
135			330	2.2		525			2	425	2.0	4.4
140			335	2.6	8	530			3	415	2.4	4.6
145			340	2.3		535			4	408	2.0	4.4
150			345	1.4	7	540			5	368	1.7	3.9
155			350	1.0		545			6	363	1.7	3.9
160			355	.8		550			7	342	1.8	4.6
165			360	1.3	6	555			8	334	2.5	5.3
170			365	1.7		560			9	326	2.2	5.1
175			370	1.2	5	565			10	317	2.5	4.8
180			375	.7		570			11	308	2.0	4.9
185			380	.7		575			12	298	1.5	4.0
190			385	.7		580			13			
195			390	.7		585			14			
200	.2		395	.9		590			15			
205	.3		400	1.1		595			16			
210	.3		405	1.4	4	600			17			
215	.0		410	2.1		605			18			
220	.4		415	2.4	3	610			19			
225	.6		420	2.2		615			20			
230	.3		425	1.9	2	620			21			
235	.6		430	1.2		625			22			
240	.6		435	1.2		630			23			
245	.5		440	1.2		635			24			
250	.5		445	1.2		640			25			
255	.5		450	1.3		645			26			
260	.5		455	1.4		650			27			
265	.6		460	1.5	1	655			28			
270	.6		465	1.5		660			29			
275	.6		470	1.5		665			30			
280	.5		475	1.5		670						
285	.5		480	T.D.	482	675						
290	.7		485			680						

DISTRIBUTION - original - permanent CPS FILE

copy - Division Corrosion Supervisor

copy - Region Corrosion Specialist

API WATER ANALYSIS REPORT FORM

4263W

Laboratory No. 25910802-1B

Company <u>MERIDIAN OIL</u>		Sample No.		Date Sampled <u>8/1/91</u>	
Field		Legal Description <u>P-27-31-8</u>		County or Parish	
Lease or Unit <u>2</u>		Well <u>NALE</u>		Depth	
Type of Water (Produced, Supply, etc.) <u>FRESH</u>		Sampling Point		Water, B/D	
				Formation <u>G.B.</u>	
				Sampled By <u>LSE</u>	

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	<u>710</u>	<u>31</u>
Calcium, Ca	<u>110</u>	<u>5.2</u>
Magnesium, Mg	<u>21</u>	<u>1.7</u>
Barium, Ba		

OTHER PROPERTIES

pH	<u>7.6</u>
Specific Gravity, 60/60 F.	<u>1.0044</u>
Resistivity (ohm-meters) <u>67° F.</u>	<u>3.80</u>

Total Dissolved Solids (calc.)

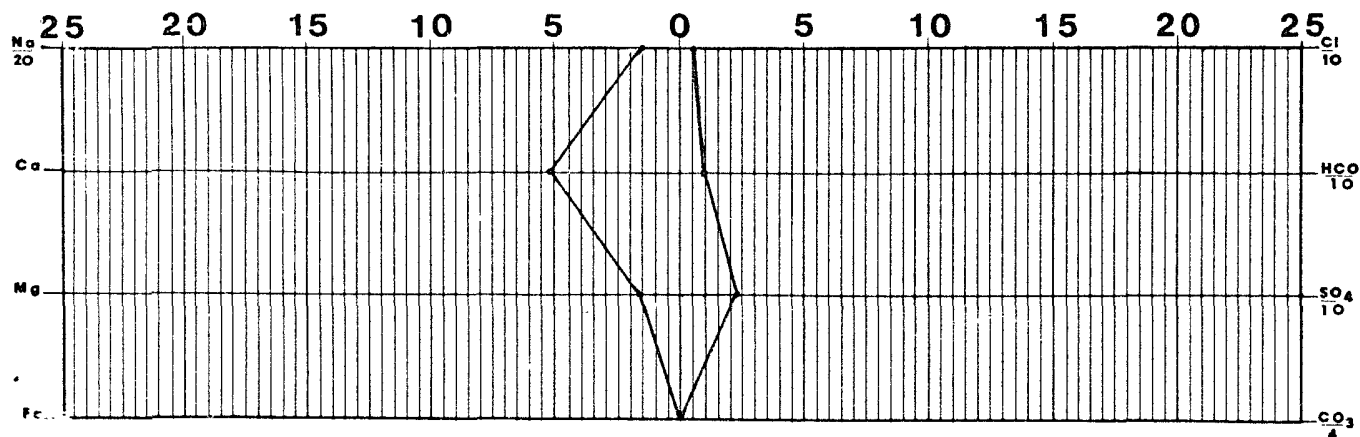
2700.

ANIONS

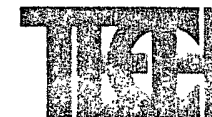
Chloride, Cl	<u>180</u>	<u>5.0</u>
Sulfate, So ₄	<u>1100</u>	<u>23</u>
Carbonate, CO ₃	<u>0</u>	<u>0</u>
Bicarbonate, HCO ₃	<u>600</u>	<u>9.8</u>

Iron, Fe (total)
Sulfide, as H₂S

REMARKS & RECOMMENDATIONS:



Date Received <u>8/02/91</u>	Preserved <u>NO</u>	Date Analyzed <u>08/28/91</u>	Analyzed By <u>ES</u>
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TECH, Inc.
333 East Main
Farmington
New Mexico
87401
505/327-3311