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30-045-28444

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2258WDATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Meridian Location: Unit M Sec. 27 Twp 32 Rng 9Name of Well/Wells or Pipeline Serviced SAN JUAN 32-9 #276Elevation 6752 Completion Date 7-20-91 Total Depth 503 Land Type IFCasing Strings, Sizes, Types & Depths 8" PVC 100' DEEPIf Casing Strings are cemented, show amounts & types used 20 BAGSNEAT CEMENT

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

NADepths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. 220' FRESHDepths gas encountered: NO

Ground bed depth with type & amount of coke breeze used:

503' with 25 BAGS HORES CO Type SW & Ashbury Flo COKE 45KDepths anodes placed: 480, 470, 460, 450, 400, 379, 370, 360, 300, 286, 277, 268Depths vent pipes placed: 503'Vent pipe perforations: 100' TO 503'

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# 2258-w		P/L NAME(S), NUMBER(S) SAN Juan 32-9 #276					
*LS12	TOTAL	VOLTS 11.13	AMPS 13.8	- OHMS .81	DATE 7-24-91	NAME MW	
REMARKS (notes for construction log)							
100' 8" PVC Surface casing, BAGS CEMENT, WATER							
AT 220 CAUGHT sample, Drilled 505, LOGGED 503'							
25 bags Loresco SW, 50 bags Ashbury 4518 Flo Coke							

DEPTH	LOG ANODE	ANODE *	DEPTH	LOG ANODE	ANODE *	DEPTH	LOG ANODE	ANODE *	DEPTH	LOG ANODE	ANODE *	
100			295	1.2		490	.7		685			
105			300	1.7		495	.6		690			
110			305	1.4		500			695			
115			310	1.0		505			700			
120			315	.8		510			ANODE	DEPTH	NO.	FULLY
125			320	.7		515			*		COKE	COKE'D
130			325	.7		520			1	480	1.8	3.8
135			330	.7		525			2	470	2.1	3.9
140			335	.8		530			3	460	2.5	4.0
145			340	.9		535		451	4	450	2.0	3.5
150			345	.9		540			5	400	1.8	3.0
155			350	.9		545			6	389	1.7	3.3
160			355	1.1		550			7	370	1.9	3.3
165			360	1.7		555			8	360	1.9	3.3
170			365	2.0		560			9	300	1.8	3.6
175			370	1.9		565		286	10	286	2.0	4.2
180			375	1.7		570		277	11	275	2.3	4.6
185			380	1.2	2	575		268	12	268	2.1	4.4
190			385	.9		580			13			
195			390	.9		585			14			
200			395	1.3		590			15			
205			400	1.7		595			16			
210			405	1.3		600			17			
215			410	1.0		605			18			
220	.7		415	.9		610			19			
225	.7		420	.9		615			20			
230	.7		425	.9		620			21			
235	.8		430	1.1		625			22			
240	.9		435	1.4		630			23			
245	1.1		440	1.2		635			24			
250	1.1		445	1.2		640			25			
255	1.0		450	1.7		645			26			
260	1.1		455	2.3		650			27			
265	1.4		460	2.4		655			28			
270	2.2		465	2.4		660			29			
275	2.3		470	2.2		665			30			
280	2.0		475	2.1		670						
285	1.9		480	1.8		675						
290	1.4		485	1.2		680						

DISTRIBUTION - original - permanent CPS FILE
 copy - Division Corrosion Supervisor
 copy - Region Corrosion Specialist

API WATER ANALYSIS REPORT FORM

 Laboratory No. 25910724-2F

2258W

Company <u>MERIDIAN OIL</u>		Sample No.		Date Sampled <u>7/21/91</u>	
Field		Legal Description <u>M 27-32-9</u>		County or Parish <u>San Juan</u>	
Lease or Unit		Well <u>5532-9 #274</u>		Depth	
Type of Water (Produced, Supply, etc.) <u>CARBONATE BED</u>		Sampling Point		Formation <u>FC</u>	
				Water, B/D	
				Sampled By <u>MRW</u>	

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	<u>4000</u>	<u>170</u>
Calcium, Ca	<u>8.0</u>	<u>0.4</u>
Magnesium, Mg	<u>7.3</u>	<u>0.4</u>
Barium, Ba		

OTHER PROPERTIES

pH	<u>8.5</u>
Specific Gravity, 60/60 F.	<u>0.9949</u>
Resistivity (ohm-meters) <u>12</u> F.	<u>0.87</u>

Total Dissolved Solids (calc.)

13000

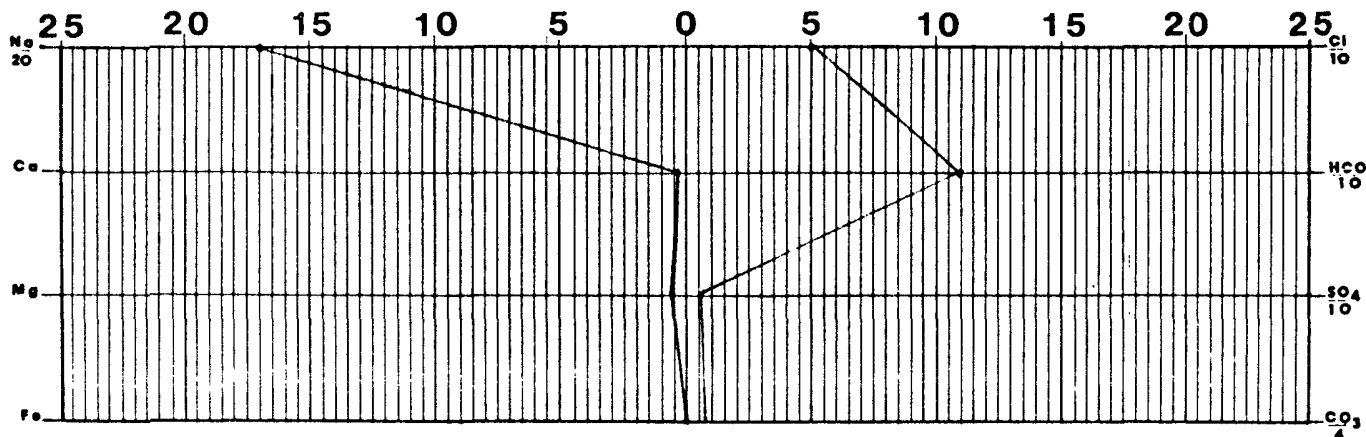
ANIONS

Chloride, Cl	<u>1800</u>	<u>50</u>
Sulfate, So ₄	<u>320</u>	<u>6.7</u>
Carbonate, CO ₃	<u>210</u>	<u>7.0</u>
Bicarbonate, HCO ₃	<u>6600</u>	<u>110</u>

Iron, Fe (total)

 Sulfide, as H₂S

REMARKS & RECOMMENDATIONS:



Date Received <u>7/24/91</u>	Preserved <u>No</u>	Date Analyzed <u>07/24/91</u>	Analyzed By <u>ER</u>
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