

578

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

21986

Operator MERIDIAN OIL INC. Location: Unit ^M~~34~~ Sec. 35 Twp 32 Rng 10

Name of Well/Wells or Pipeline Serviced HORTON #1R
30-045-27645

Elevation 6052 Completion Date 9-20-91 Total Depth 393 Land Type NM 010989

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

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

If Cement or Bentonite Plugs have been placed, show depths & amounts used
CEMENT plug @ 24 1/2 ft.

Depths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. Hit H₂O @ 110' & caught sample; CLEAR

Depths gas encountered: NONE

Ground bed depth with type & amount of coke breeze used: 393' w/60
SACKS LORESCO

Depths anodes placed: 373', 355', 335', 300', 225', 215', 195', 170', 160', 145', 132', 122'

Depths vent pipes placed: 370'

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

Log 388
60 sacks

CPS# 2198	P/L NAME(s), NUMBER(s) HORTON #1R					
WD # L966	TOTAL	VOLTS 9.95	AMPS 25.3	- OHMS .39	DATE 9-20-91	NAME W.R. MCGATH
REMARKS (notes for construction log)						
100' 8" PVC surface casing; 23 sack						
H₂O @ 110' & caught sample. 370' 1" pvc vent pipe perf. bottom 300'.						
60 sacks Lorenzo Coke						

DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	
	ANODE	#		ANODE	#		ANODE	#		ANODE	#	
100	1.7		295	1.8		490			685			
105	1.8		300	1.8	✓	495			690			
110	1.8		305	1.6		500			695			
115	1.9		310	1.5		505			700			
120	1.9		315	1.6		510			ANODE	DEPTH	NO	FULL
125	2.2	12	320	1.6		515			#		COKE	COKE
130	2.2		325	1.7		520			1	373	1.8	5.5
135	1.9	11 ✓	330	1.9		525			2	355	1.9	5.9
140	1.9		335	2.3	3 ✓	530			3	335	2.3	6.4
145	2.4	10 ✓	340	1.4		535			4	300	1.8	5.5
150	2.2		345	1.6		540			5	225	1.8	5.5
155	2.2		350	1.7		545			6	215	2.1	6.5
160	2.3	9 ✓	355	1.9	2 ✓	550			7	195	2.1	6.6
165	1.7		360	1.8		555			8	170	2.5	7.5
170	2.2	8 ✓	365	1.7		560			9	160	2.7	7.2
175	2.1	8	370	1.7	1 ✓	565			10	145	2.5	6.8
180	1.6		375	1.9		570			11	132	2.0	6.1
185	1.7		380	1.7		575			12	122	2.2	6.1
190	1.8		385	1.8		580			13			
195	1.9	7 ✓	390		393	585			14			
200	1.9		395			590			15			
205	1.8		400			595			16			
210	1.9	6 ✓	405			600			17			
215	2.0	6 ✓	410			605			18			
220	2.0	6	415			610			19			
225	1.9	5 ✓	420			615			20			
230	1.5		425			620			21			
235	1.5		430			625			22			
240	1.6		435			630			23			
245	1.4		440			635			24			
250	1.5		445			640			25			
255	1.6		450			645			26			
260	1.5		455			650			27			
265	1.6		460			655			28			
270	1.5		465			660			29			
275	1.4		470			665			30			
280	1.3		475			670						
285	1.3		480			675						
290	1.7	9	485			680						

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

API WATER ANALYSIS REPORT FORM

Laboratory No. 25910930-1 I

2198W

Company <u>MERIDIAN OIL</u>		Sample No.		Date Sampled <u>9/20/91</u>	
Field		Legal Description <u>M-35-32-11</u>		County or Parish <u>SAN JUAN</u>	
Lease or Unit		Well <u>HORTON 1R</u>		State <u>N.M.</u>	
Type of Water (Produced, Supply, etc.)		Depth <u>110'</u>		Formation <u>F.C.</u>	
Sampling Point <u>C.P. GROUND BED</u>		Water, B/D		Sampled By <u>W.R. McGAHA</u>	

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	<u>4900</u>	<u>210</u>
Calcium, Ca	<u>400</u>	<u>20</u>
Magnesium, Mg	<u>13</u>	<u>1.1</u>
Barium, Ba		

OTHER PROPERTIES

pH	<u>8.0</u>
Specific Gravity, 60/60 F.	<u>1.0079</u>
Resistivity (ohm-meters) <u>70</u> ° F.	<u>0.56</u>

Total Dissolved Solids (calc.)

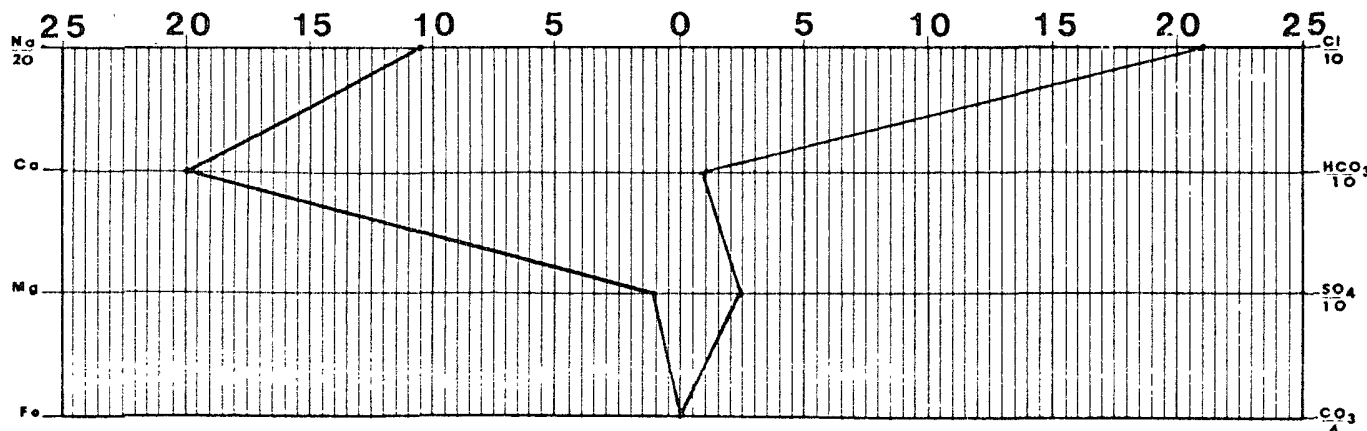
14,000

ANIONS

Chloride, Cl	<u>7400</u>	<u>210</u>
Sulfate, SO_4	<u>1100</u>	<u>24</u>
Carbonate, CO_3	<u>0</u>	<u>0</u>
Bicarbonate, HCO_3	<u>55</u>	<u>0.9</u>

Iron, Fe (total)
Sulfide, as H_2S

REMARKS & RECOMMENDATIONS:



Date Received <u>9/30/91</u>	Preserved <u>No</u>	Date Analyzed <u>9/30-10/1/91</u>	Analyzed By <u>[Signature]</u>
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