

665 30-039-24970 E
DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO

Operator Muskegon Oil Location: Unit D Sec. 33 Twp 31 Rng 5

Name of Well/Wells or Pipeline Serviced Lease 268

CPS# 2294-W

Elevation 6510 Completion Date 9-20-91 Total Depth 415 Land Type F

Casing Strings, Sizes, Types & Depths 60" 40' 9" PVC

If Casing Strings are cemented, show amounts & types used

12 sacks 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. 210' fresh

RECEIVED
FEB 24 1992

Depths gas encountered: NO

OIL CON. DIV.]
DIST. 3

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

415' Heavy 69 sacks

Depths anodes placed: 350, 370, 360, 343, 338, 320, 310, 300, 290, 280, 270, 260

Depths vent pipes placed: 370

Vent pipe perforations: 1" apart perforated bottom 300'

Remarks: from 2nd anode

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# 2294-1	P/L NAME(S), NUMBER(S) Lana # 268					
WO # 1487	TOTAL	VOLTS 12.42	AMPS 20.5	OHMS .60	DATE 9-20-91	NAME L.S.E.

REMARKS (notes for construction log)

Water at 210' Set 30' of 3" PVC casing
Impressed bottom 300' from 2nd anode

DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	
	ANODE	#		ANODE	#		ANODE	#		ANODE	#	
100			295	2.4		490			685			
105			300	2.4	8	495			690			
110			305	2.8		500			695			
115			310	3.2	7	505			700			
120			315	3.2		510			ANODE	DEPTH	NO	FULLY
125			320	2.7	6	515			*		COKE	COKE D
130			325	2.3		520			1	390	2.6	5.5
135			330	2.2		525			2	370	2.9	6.0
140			335	2.6		530			3	360	3.1	6.0
145			340	2.4	5	535			4	348	2.7	5.5
150			345	2.5		540			5	338	2.8	5.4
155			350	2.7	4	545			6	320	2.8	5.5
160			355	3.1		550			7	310	3.2	6.1
165			360	3.0		555			8	300	2.5	5.5
170			365	2.6		560			9	290	2.6	5.4
175			370	2.8	3	565			10	280	2.4	5.5
180			375	2.7		570			11	270	2.4	5.6
185			380	2.4	1	575			12	260	2.4	5.4
190			385	2.0		580			13			
195			390	1.9		585			14			
200	1.2		395	2.0		590			15			
205	1.0		400	2.0		595			16			
210	1.0		405	1.7		600			17			
215	1.2		410	1.7		605			18			
220	1.2		415	TD	415	610			19			
225	1.3		420			615			20			
230	2.1		425			620			21			
235	2.3		430			625			22			
240	2.2		435			630			23			
245	2.4		440			635			24			
250	2.4		445			640			25			
255	2.3		450			645			26			
260	2.4	12	455			650			27			
265	2.4		460			655			28			
270	3.4	11	465			660			29			
275	2.4		470			665			30			
280	2.4	10	475			670						
285	2.5		480			675						
290	2.5	9	485			680						

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

API WATER ANALYSIS REPORT FORM

2294W

Laboratory No. 25910930-1A

Company <u>MERICIAN OIL</u>		Sample No.		Date Sampled <u>9/20/91</u>	
Field		Legal Description <u>B-33-31-5</u>		County or Parish <u>RIO ARKIBA</u>	
State <u>N.M.</u>		Lease or Unit <u>ROSA 268</u>		Depth <u>G. B.</u>	
Type of Water (Produced, Supply, etc.)		Sampling Point <u>WATER TABLE</u>		Sampled By <u>L.S.E.</u>	

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	<u>610</u>	<u>27</u>
Calcium, Ca	<u>18</u>	<u>0.9</u>
Magnesium, Mg	<u>1.2</u>	<u>0.1</u>
Barium, Ba		

OTHER PROPERTIES

pH	<u>8.3</u>
Specific Gravity, 60/60 F.	<u>1.0028</u>
Resistivity (ohm-meters) <u>70° F.</u>	<u>4.20</u>

Total Dissolved Solids (calc.)

1800.

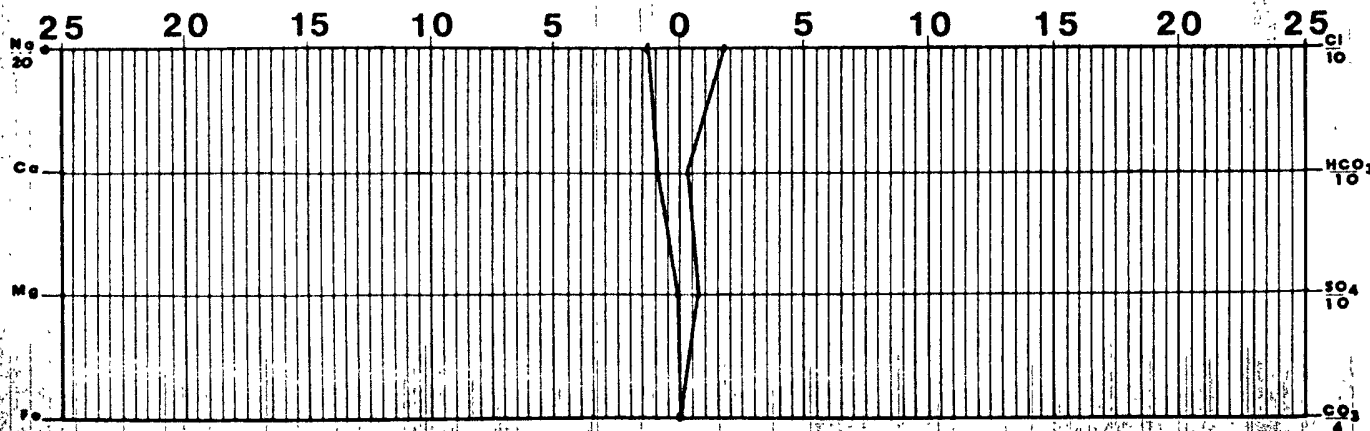
ANIONS

Chloride, Cl	<u>600</u>	<u>17</u>
Sulfate, SO_4	<u>360</u>	<u>7.5</u>
Carbonate, CO_3	<u>5.0</u>	<u>0.1</u>
Bicarbonate, HCO_3	<u>190</u>	<u>3.1</u>

Iron, Fe (total)

Sulfide, as H_2S

REMARKS & RECOMMENDATIONS:



Date Received <u>9/30/91</u>	Preserved <u>NO</u>	Date Analyzed <u>9/30/91-10/1/91</u>	Analyzed By <u>ES</u>
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