

#2A 30-045-21640 E

#16 30-045-23521

692
DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Meridian Oil Location: Unit C Sec. 33 Twp 31 Rng 9Name of Well/Wells or Pipeline Served Johnston FEDERAL #2-A &
#16 CPS#2321Elevation Completion Date 10-24-91 Total Depth 456 Land Type FCasing Strings, Sizes, Types & Depths 8" PVC SURFACE CASING
100' DEEPIf Casing Strings are cemented, show amounts & types used Yes with
23 SACKS HEAT CEMENTIf Cement or Bentonite Plugs have been placed, show depths & amounts used
NODepths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. Fresh 180'Depths gas encountered: NOGround bed depth with type & amount of coke breeze used: 456' with
7300 lbs Loresco Type scw & Asbury 4518 Flo COKEDepths anodes placed: 433, 424, 415, 406, 397, 388, 379, 370, 360, 340, 330, 20Depths vent pipes placed: 456'Vent pipe perforations: bottom 280'Remarks:

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FEB 24 1992

JN. DIV.

IST. 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# 2321-W		P/L NAME(), NUMBER() Johnston Federal #2-A.#16					
ID P129	TOTAL	VOLTS 11.69	AMPS 24.9	- OHMS .47	DATE 10-24-91	NAME MKW	
REMARKS (notes for construction log) SET 100' 8" CASING, 23 SACKS CEMENT. H ₂ O 180', CALIGHT sample DRILLED 460', LOGGED 456'							
Perforated bottom 280'							
7300 6600 lbs COKE bags							

DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	
100			295	.7		490			685			
105			300	1.6		495			690			
110			305	1.4		500			695			
115			310	.8		505			700			
120			315	.5		510			ANODE	DEPTH	NO	FULLY
125			320	3		515			*		COKE	COK'D
130			325	2.4		520			1	433	4.3	6.3
135			330	2.7		525			2	424	3.8	6.6
140			335	2.5		530			3	415	3.9	6.5
145			340	2.4		535			4	406	3.7	6.6
150			345	1.7		540			5	397	3.7	6.5
155			350	1.7		545			6	388	3.0	5.8
160			355	2.7		550			7	379	3.1	5.9
165			360	2.7		555			8	370	3.0	6.3
170			365	2.6		560			9	360	3.0	6.1
175	1.2		370	2.8		565			10	340	2.6	5.5
180	2.1		375	2.9		570			11	330	2.8	5.8
185	1.9		380	2.6		575			12	200	2.2	5.3
190	1.9		385	2.7		580			13			
195	2.2		390	2.9		585			14			
200	2.5		395	3.0		590			15			
205	2.2		400	3.4		595			16			
210	2.3		405	3.5		600			17			
215	2.4		410	3.2		605			18			
220	2.2		415	3.3		610			19			
225	2.0		420	3.5		615			20			
230	1.7		425	3.7		620			21			
235	1.0		430	4.0		625			22			
240	.9		435	4.3		630			23			
245	.8		440	3.7		635			24			
250	.8		445	3.7		640			25			
255	1.3		450	3.7	456	645			26			
260	1.3		455			650			27			
265	1.0		460			655			28			
270	.9		465			660			29			
275	.8		470			665			30			
280	.7		475			670						
285	.7		480			675						
290	.7		485			680						

DISTRIBUTION - original - permanent CPS FILE

copy - Division Corrosion Supervisor

copy - Region Corrosion Specialist

API WATER ANALYSIS REPORT FORM

Laboratory No. 25-911108-10

Company MERIDIAN		Sample No.		Date Sampled 10-24-91	
Field 2321W		Legal Description C 33-31-9		County or Parish SJ	
Lease or Unit		Well JOHNSTON FED 2-A	Depth 180'	Formation	Water, B/D
Type of Water (Produced, Supply, etc.)			Sampling Point Ground Bed		Sampled By MRW



TECH, Inc.
333 East Main
Farmington
New Mexico
87401

505/327-3311

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	<u>219</u>	<u>9.5</u>
Calcium, Ca	<u>343</u>	<u>17.1</u>
Magnesium, Mg	<u>18</u>	<u>1.5</u>
Barium, Ba	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
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OTHER PROPERTIES

pH	<u>7.03</u>
Specific Gravity, 60/60 F	<u>1.0036</u>
Resistivity (ohm-meters) <u>65</u> F.	<u>3.8</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

Total Dissolved Solids (calc.)

1,960

ANIONS

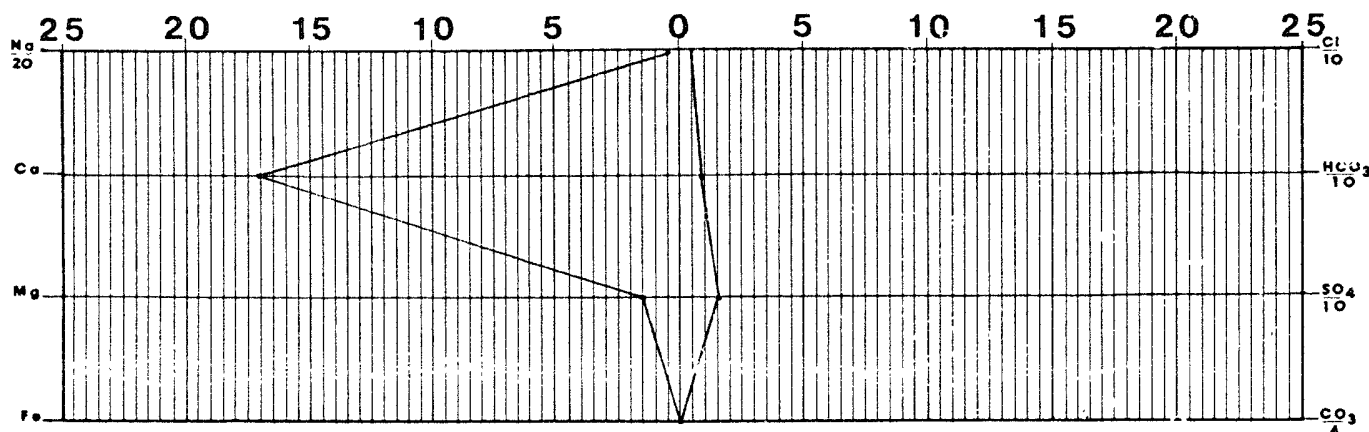
Chloride, Cl	<u>163</u>	<u>4.6</u>
Sulfate, SO ₄	<u>700</u>	<u>15</u>
Carbonate, CO ₃	<u> </u>	<u> </u>
Bicarbonate, HCO ₃	<u>519</u>	<u>8.5</u>
<u> </u>	<u> </u>	<u> </u>
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Iron, Fe (total)

Sulfide, as H₂S

REMARKS & RECOMMENDATIONS:

ATTN: OONOHUE



Date Received 8th Nov, 1991.	Preserved	Date Analyzed 3rd Jan, 1992.	Analyzed By R. H.
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