

#1X 30-045-09642

#27 30-045-27770

678

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator MERIDIAN O.I Location: Unit 30 Sec. 12 Twp 3 Rng 9Name of Well/Wells or Pipeline Serviced Johnston Federal #1-X, #27CPS# 2316Elevation Completion Date 10-29-91 Total Depth 400 Land Type FCasing Strings, Sizes, Types & Depths 80' of 8" PVC SURFACECASINGIf Casing Strings are cemented, show amounts & types used Yes with26 SACKS OF NEAT CEMENT

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

80' DEEP TO 60' PLUGDepths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. 100' FRESHDepths gas encountered: 160'Ground bed depth with type & amount of coke breeze used: 400' DEEPwith 6000lbs of Asbury 4518 Flo COKEDepths anodes placed: 380, 372, 364, 356, 348, 340, 332, 324, 316, 308, 191, 183Depths vent pipes placed: 380'Vent pipe perforations: bottom 240'Remarks:

RECEIVED

FEB 24 1992

OIL CON. DIV

DIST. 2

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#	P/L NAME(S), NUMBER(S)				
2316-u	Johnston Field #1-X #27				
TOTAL	VOLTS	AMPS	OHMS	DATE	NAME
	11.8	24.2	49	10-24-91	MRW

REMARKS (notes for construction log)

80' CASING, 20 SACKS CEMENT

WATER 100' Drilled 400, Logged 400'

Perforated bottom 240' Installed Cement Plug

6000 lbs (Ashbury & L...)

DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	
	ANODE	*		ANODE	*		ANODE	*		ANODE	*	
100	1.2		295	1.3		490			685			
105	1.5		300	1.6		495			690			
110	2.1		305	2.6		500			695			
115	1.7		310	3.0		505			700			
120	.9		315	3.1		510			ANODE	DEPTH	NO	FULLY
125	.9		320	3.1		515			*		COKE	COK'D
130	1.0		325	2.8		520			1	380	2.6	6.6
135	1.1		330	3.3		525			2	372	3.4	7.2
140	1.2		335	3.4		530			3	364	3.3	7.0
145	1.0		340	2.6		535			4	356	3.5	6.8
150	.9		345	3.5		540			5	348	3.8	7.3
155	1.0		350	3.7		545			6	340	2.6	6.3
160	1.2		355	3.5		550			7	332	3.3	6.7
165	1.4		360	3.3		555			8	324	2.9	6.3
170	1.4		365	3.2		560			9	316	3.2	6.5
175	1.4		370	3.6		565			10	308	2.8	5.9
180	1.5		375	3.1		570			11	191	2.3	5.2
185	3.0		380	2.6		575			12	183	2.8	5.9
190	2.4		385	2.5		580			13			
195	1.4		390	2.3		585			14			
200	.9		395	3.0		590			15			
205	1.0		400		400	595			16			
210	1.1		405			600			17			
215	1.1		410			605			18			
220	1.0		415			610			19			
225	1.1		420			615			20			
230	1.1		425			620			21			
235	1.2		430			625			22			
240	1.2		435			630			23			
245	1.6		440			635			24			
250	1.3		445			640			25			
255	.9		450			645			26			
260	1.0		455			650			27			
265	1.0		460			655			28			
270	.9		465			660			29			
275	.9		470			665			30			
280	1.0		475			670						
285	1.1		480			675						
290	1.2		485			680						

DISTRIBUTION - original - permanent CPS FILE

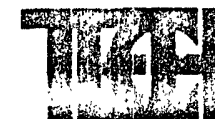
copy - Division Corrosion Supervisor

copy - Region Corrosion Specialist

ART WATER ANALYSIS REPORT FORM

Laboratory No. 25 91103-1W

Company MERIDIAN OIL		Sample No.	Date Sampled 10-30-91
Field 2316W	Legal Description L 12-30-9	County or Parish S. J.	State N.M.
Lease or Unit	Well JOHNSTON FED #1-X	Depth 100'	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)	1,500	67
Calcium, Ca	14	0.32
Magnesium, Mg	2.2	0.18
Barium, Ba		

OTHER PROPERTIES

pH	8.22
Specific Gravity, 60/60 F.	1.0044
Resistivity (ohm-meters) @ 66 F.	2.75

Total Dissolved Solids (calc.) **4,800**

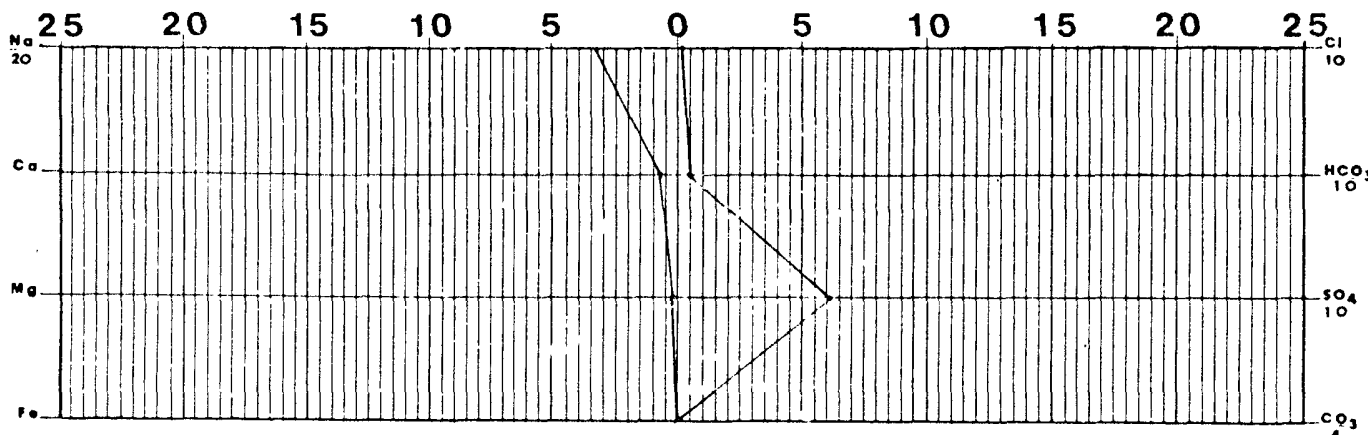
ANIONS

Chloride, Cl	62	1.7
Sulfate, So ₄	2,900	6.1
Carbonate, CO ₃	6	0.2
Bicarbonate, HCO ₃	293	4.8

Iron, Fe (total)	
Sulfide, as H ₂ S	

REMARKS & RECOMMENDATIONS:

ATTN: **DONOHUE**



Date Received 8th Nov, 1991.	Preserved	Date Analyzed 9th Jan, 1992.	Analyzed By K. H.
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