

#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 4 Sec. 12 Twp 30 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 Fecl #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 ; 26 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	COKE 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	3.7		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

API WATER ANALYSIS REPORT FORM

Laboratory No. 25 91103-1W

Company MERIDIAN OIL		Sample No.	Date Sampled 10-30-91	
Field 231600	Legal Description L 12-30-9		County or Parish D.J.	State NM
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

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc)	1,500	67
Calcium, Ca	14	0.72
Magnesium, Mg	2.2	0.18
Barium, Ba		

OTHER PROPERTIES

pH	8.22
Specific Gravity, 60/60 F.	1.0244
Resistivity (ohm-meters) 66 F.	2.75

Total Dissolved Solids (calc.)

4,800

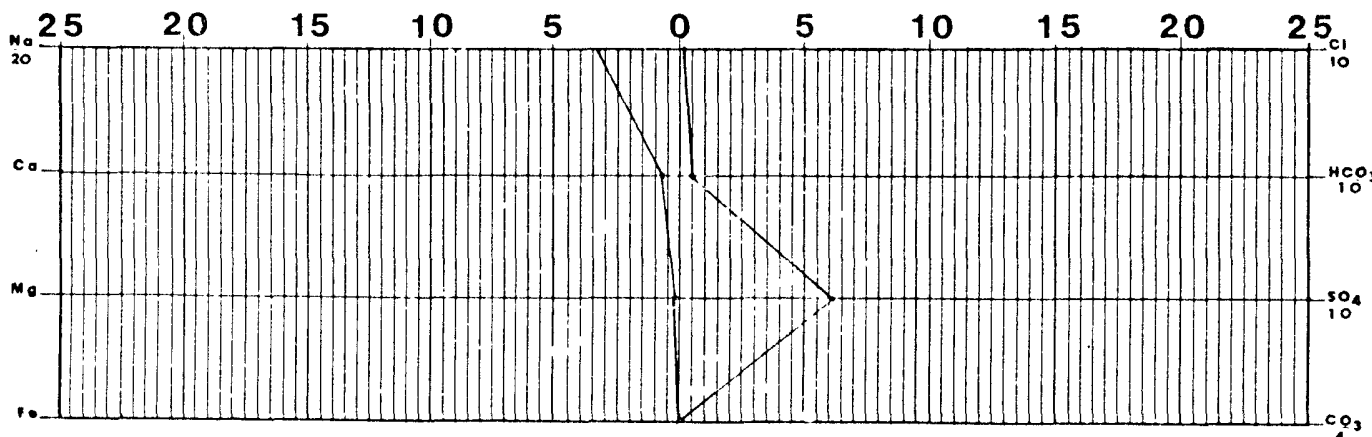
ANIONS

Chloride, Cl	62	1.7
Sulfate, So ₄	2,900	61
Carbonate, CO ₃	6	0.2
Bicarbonate, HCO ₃	293	4.8

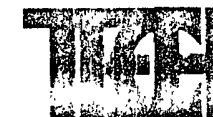
Iron, Fe (total)	
Sulfide, as H ₂ S	

REMARKS & RECOMMENDATIONS:

ATTN: **DONOHUE**



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