

#9 30-045-11219

#293 30-045-27901

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

Operator Meridian Oil Location: Unit M Sec. 25 Twp 32 Rng 10

Name of Well/Wells or Pipeline Served San Juan 32-9 #293 + 9
CPS# 2260

Elevation 309 Completion Date 9-18-91 Total Depth 332 Land Type F

Casing Strings, Sizes, Types & Depths 100' 8" P.V.C. Casing

If Casing Strings are cemented, show amounts & types used yes 28 sacks

If Cement or Bentonite Plugs have been placed, show depths & amounts used
None

Depths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. 110' - Fresh

Depths gas encountered: None

Ground bed depth with type & amount of coke breeze used: 332' Asbury
Colke

Depths anodes placed: 320, 310, 300, 290, 270, 245, 235, 195, 185, 175, 165, 155, 145, 135, 125

Depths vent pipes placed: From Surface to 332'

Vent pipe perforations: From 120' to 332'

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

CPS# 2260	P/L NAME(S), NUMBER(S) San Juan 32-9 #293 & #9				
WO # K794	TOTAL	VOLTS 9.9	AMPS 21.8	OHMS .45	DATE 9-18-91 9-19-91
REMARKS (notes for construction log)					NAME David Ashworth

H₂O - 110'

PerF From 120' - 332'

DEPTH	LOG ANODE	ANODE	DEPTH	LOG ANODE	ANODE	DEPTH	LOG ANODE	ANODE	DEPTH	LOG ANODE	ANODE	
100			295	1.6		490			685			
105			300	1.6	3	495			690			
110			305	1.6		500			695			
115			310	1.5	2	505			700			
120			315	1.6		510			ANODE	DEPTH	LOG	FUL
125	1.9	15	320	1.7	1	515						
130	1.9	14	325	1.7		520			1	320	1.7	5
135	1.9		330	TD-332		525			2	310	1.5	5
140	1.7		335	TD-332		530			3	300	1.6	4
145	1.9	13	340			535			4	290	1.5	4
150	1.9		345			540			5	270	1.4	4
155	1.3	12	350			545			6	250	1.5	4
160	1.0		355			550			7	235	1.9	4.5
165	1.6	11	360			555			8	195	1.9	6
170	2.0		365			560			9	185	1.9	7
175	1.7	10	370			565			10	175	1.8	6.5
180	1.9		375			570			11	165	1.8	6.5
185	1.9	9	380			575			12	155	1.5	5
190	1.9		385			580			13	145	1.9	6
195	1.7	8	390			585			14	135	1.9	6
200	1.1		395			590			15	125	1.9	6
205	.7		400			595			16			
210	.8		405			600			17			
215	.8		410			605			18			
220	.6		415			610			19			
225	.3		420			615			20			
230	1.0		425			620			21			
235	1.9	7	430			625			22			
240	1.6		435			630			23			
245	1.5	6	440			635			24			
250	1.4		445			640			25			
255	1.3		450			645			26			
260	1.0		455			650			27			
265	1.0		460			655			28			
270	1.4	5	465			660			29			
275	1.4		470			665			30			
280	1.1		475			670						
285	1.1		480			675						
290	1.4	4	485			680						

DISTRIBUTION: -- original -- permanent CPS FILE

CPSY -- Division Corrosion Supervisor

CPSY -- Region Corrosion Specialist

API WATER ANALYSIS REPORT FORM

 Laboratory No. 25910930-1F

2260W

Company <u>MERIDIAN OIL</u>		Sample No.		Date Sampled <u>9-19-91</u>	
Field		Legal Description <u>M-25, 32-10</u>		County or Parish <u>SAN JUAN</u>	
Lease or Unit		Well <u>SJ 32-9 #293</u>		Depth <u>110'</u>	
Type of Water (Produced, Supply, etc.)		Formation <u>WATER TABLE</u>		Water, B/D	
Sampling Point <u>C.P. GROUND BED</u>		Sampled By			

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	<u>200</u>	<u>8.9</u>
Calcium, Ca	<u>270</u>	<u>14</u>
Magnesium, Mg	<u>6.1</u>	<u>0.5</u>
Barium, Ba		

OTHER PROPERTIES

pH	<u>7.3</u>
Specific Gravity, 60/60 F.	<u>1.0028</u>
Resistivity (ohm-meters) <u>70</u> F.	<u>5.70</u>

Total Dissolved Solids (calc.)

1600.

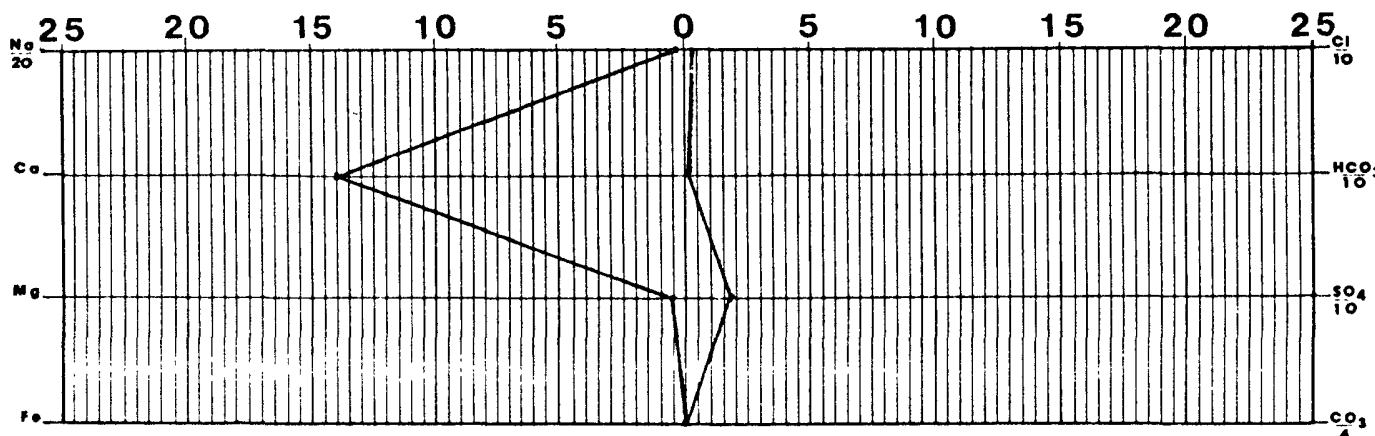
ANIONS

Chloride, Cl	<u>120</u>	<u>3.5</u>
Sulfate, SO_4	<u>860</u>	<u>18</u>
Carbonate, CO_3	<u>0</u>	<u>0</u>
Bicarbonate, HCO_3	<u>120</u>	<u>1.9</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>ES</u>
---------------------------------	------------------------	--------------------------------------	--------------------------



TECH, Inc.
 333 East Main
 Farmington
 New Mexico
 87401
 505/327-3311