

6-30-039-07048
546 95-30-039-07043

111-30-039-82308

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

Operator Meridian Oil Location: Unit M Sec. 15 Twp 27 Rng 6

Name of Well/Wells or Pipeline Served San Juan 286 #11, 95, 6
CPS # 682-W

Elevation 6501 Completion Date 8-31-91 Total Depth 500' Land Type F

Casing Strings, Sizes, Types & Depths 100' 8" PVC

If Casing Strings are cemented, show amounts & types used yes - 24 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. 180' - Fresh

Depths gas encountered: NONE

Ground bed depth with type & amount of coke breeze used: 500'

Asbury Coke - 152 Bags
Depths anodes placed: #1-485, #2-475, #3-465, #4-420, #5-410, #6-395, #7-260
#8-250, #9-225, #10-215, #11-205, #12-195

Depths vent pipes placed: From Surface to 500'

Vent pipe perforations: From 180' to 500'

Remarks: _____

RECEIVED
FEB 24 1992

OIL CON DIV.
PCT 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-Free.
If Federal or Indian, add Lease Number.

CPS GROUND BED CONSTRUCTION WORKSHEET

CPS# 682	P/L NAME (S), NUMBER (S) San Juan 28-6 # 111, 95, 6					
WO # 44847A 50823A	TOTAL	VOLTS 12.6	AMPS 22.0	--OHMS 1.57	DATE 8-31-91	NAME D. Ashworth

REMARKS (notes for construction log)

40-180'

Per F-180-500'

DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	
	ANODE	#		ANODE	#		ANODE	#		ANODE	#	
100			295	1.7		490	1.6		685			
105			300	1.5		495	2.0		690			
110			305	1.5		500	20.500		695			
115			310	1.7		505			700			
120			315	1.5		510			ANODE	DEPTH	NO	FULLY
125			320	1.5		515			#		COKE	COKE
130			325	1.5		520			1	485	2.1	5.3
135			330	1.5		525			2	475	1.9	5.4
140			335	1.5		530			3	465	2.2	5.3
145			340	1.5		535			4	420	2.0	4.9
150			345	1.6		540			5	410	1.6	4.8
155			350	1.6		545			6	400	1.9	4.5
160			355	1.1		550			7	260	1.9	5.9
165			360	1.7		555			8	250	2.6	6.6
170			365	1.5		560			9	225	1.5	5.5
175			370	1.4		565			10	215	1.7	5.7
180			375	1.4		570			11	205	1.7	5.9
185	2.5		380	1.4		575			12	195	2.3	6.4
190	2.5		385	1.4		580			13			
195	2.2	12	390	1.5		585			14			
200	2.1		395	1.5	6	590			15			
205	1.7	11	400	1.6		595			16			
210	1.8		405	1.2		600			17			
215	1.6	10	410	1.5	5	605			18			
220	1.3		415	1.6		610			19			
225	1.5	9	420	2.2	4	615			20			
230	1.3		425	1.1		620			21			
235	1.3		430	1.0		625			22			
240	1.2		435	1.0		630			23			
245	1.2		440	1.0		635			24			
250	2.3	8	445	1.9		640			25			
255	2.6		450	1.0		645			26			
260	1.9	7	455	1.1		650			27			
265	1.5		460	1.2		655			28			
270	1.3		465	1.9	3	660			29			
275	1.2		470	2.1		665			30			
280	1.9		475	1.9	2	670						
285	1.7		480	1.9		675						
290	1.8		485	2.0	1	680						

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

API WATER ANALYSIS REPORT FORM

Laboratory No. 25910909-1F

682W

Company <u>MERIDIAN OIL</u>		Sample No.		Date Sampled <u>8/31/91</u>	
Field		Legal Description <u>M-15 27-6</u>		County or Parish <u>RIO ARriba</u>	
Lease or Unit		Well <u>ST 28-6 #111</u>		State <u>N.M.</u>	
Type of Water (Produced, Supply, etc.)		Depth <u>180'</u>		Formation <u>Water Table</u>	
Sampling Point <u>DEEPWELL GR. BED FOR C. P.</u>		Water, B/D		Sampled By <u>D. ASHWORTH</u>	

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	<u>790</u>	<u>34</u>
Calcium, Ca	<u>310</u>	<u>16</u>
Magnesium, Mg	<u>10</u>	<u>0.9</u>
Barium, Ba		

OTHER PROPERTIES

pH	<u>7.8</u>
Specific Gravity, 60/60 F.	<u>1.0044</u>
Resistivity (ohm-meters) <u>72</u> F.	<u>3.15</u>

Total Dissolved Solids (calc.)

3500.

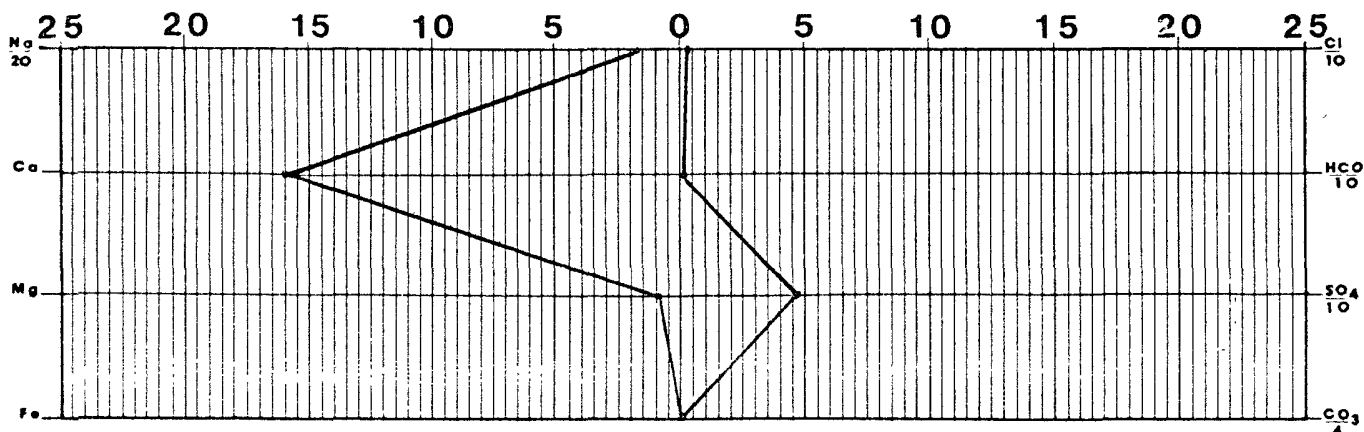
ANIONS

Chloride, Cl	<u>110</u>	<u>3.0</u>
Sulfate, SO_4	<u>2200</u>	<u>47</u>
Carbonate, CO_3	<u>0</u>	<u>0</u>
Bicarbonate, HCO_3	<u>65</u>	<u>1.1</u>

Iron, Fe (total)

Sulfide, as H_2S

REMARKS & RECOMMENDATIONS:



Date Received <u>9/9/91</u>	Preserved <u>No</u>	Date Analyzed <u>9/9-10/91</u>	Analyzed By <u>ES</u>
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