78-30-039-07522
104-30-039-20609
116-30-039-22033

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

Operator Meridian Oil Location: Unit M Sec. 30 Twp 29 Rng 7

Name of Well/Wells or Pipeline Serviced San Juan 29-7 #78, 104, 116, 117-CW

Elevation 6778 Completion Date 9-12-91 Total Depth 410' Land Type F

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

If Casing Strings are cemented, show amounts & types used Yes - 23 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. 270' - Fresh

Depths gas encountered: None

Ground bed depth with type & amount of coke breeze used: 410' Asbury coke - 120 Sacks

Depths anodes placed: 333', 323, 318, 292, 283, 274, 265, 256, 247, 238, 190, 180

Depths vent pipes placed: Surface to 410'

Vent pipe perforations: 100' to 410'

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# 117-W	P/L NAME(s), NUMBER(s) San Juan 29-7 #78, 104, 116					
WO # 0718	TOTAL	VOLTS 12.5	AMPS 16.3	OHMS .76	DATE 9-12-91	NAME D. Ashworth

REMARKS (notes for construction log)

Hole seeping H_2O at 100'

More Water at 270'

DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #
100			295	.9		490			685		
105			300	.7		495			690		
110			305	.7		500			695		
115			310	.7	3	505			700		
120			315	1.0		510			ANODE #	DEPTH	NO COKE / FULL COKE
125			320	1.4	2	515					
130			325	1.6		520			1	338	1.1 / 3.8
135			330	1.1	1	525			2	323	1.6 / 4.-
140			335	1.0		530			3	318	1.0 / 3.9
145			340	.9		535			4	292	1.2 / 4.3
150			345	.9		540			5	283	1.6 / 5.1
155			350	.9		545			6	274	1.8 / 5.4
160			355	.8		550			7	265	1.2 / 4.8
165	.1		360	.9		555			8	256	1.5 / 4.6
170	.4		365	.7		560			9	247	1.8 / 4.8
175	.6		370	.7		565			10	238	1.8 / 4.4
180	~~1.4~~	12	375	.5		570			11	190	~~1.4~~ / 3.8
185	~~1.2~~		380	.6		575			12	180	~~1.6~~ / 4.0
190	~~1.6~~	11	385	.6		580			13		
195	.8		390	.7		585			14		
200	.5		395	.2		590			15		
205	.6		400	.4		595			16		
210	.6		405	.4		600			17		
215	.9		410	TD-410		605			18		
220	.8		415			610			19		
225	.7		420			615			20		
230	.8	10	425			620			21		
235	.9		430			625			22		
240	2.0	9	435			630			23		
245	2.0		440			635			24		
250	1.8	8	445			640			25		
255	1.5		450			645			26		
260	1.2	7	455			650			27		
265	1.5		460			655			28		
270	1.7	6	465			660			29		
275	2.0		470			665			30		
280	1.8	5	475			670					
285	1.5		480			675					
290	1.3	4	485			680					

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

API WATER ANALYSIS REPORT FORM

117W

Laboratory No 2591091 6-ZE

Company	Sample No.	Date Sampled
MERIDIAN OIL		9/12/91

Field	Legal Description	County or Parish	State
	M-30, 29-7	RIO ARRIBA	N.M.

Lease or Unit	Well	Depth	Formation	Water, B/D
	SJ 29-7 #78		WATER TABLE	

Type of Water (Produced, Supply, etc.)	Sampling Point	Sampled By
	DEEPWELL GR. BED FOR C.P.	D. ASHWORTH

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

DISSOLVED SOLIDS

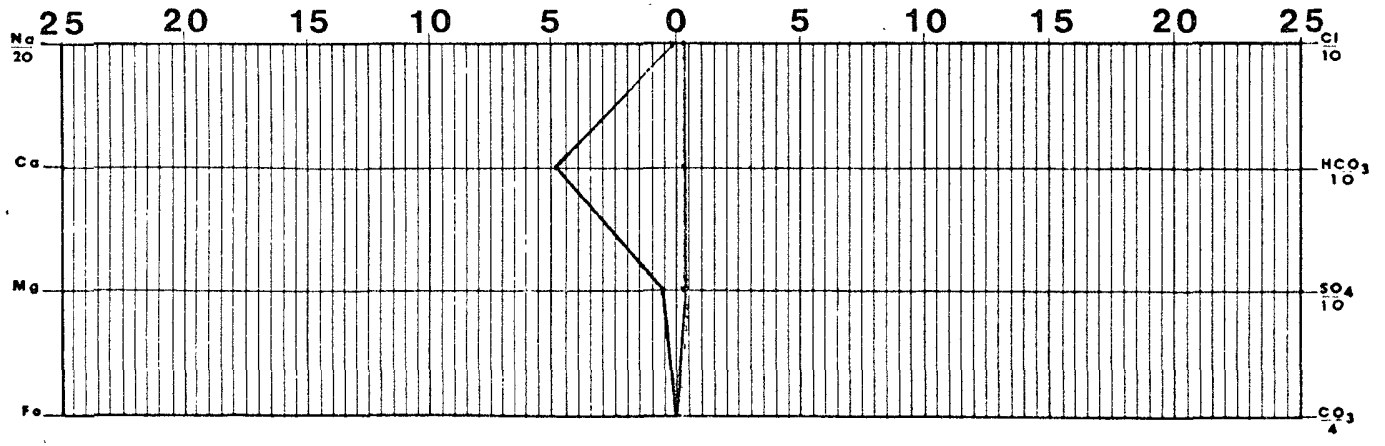
CATIONS	mg/l	me/l
Sodium, Na (calc.)	78	3.4
Calcium, Ca	100	4.8
Magnesium, Mg	7.3	0.6
Barium, Ba		

ANIONS		
Chloride, Cl	110	3.0
Sulfate, So_4	140	2.9
Carbonate, CO_3	0	0
Bicarbonate, HCO_3	180	2.9

OTHER PROPERTIES

pH	7.5
Specific Gravity, 60/60 F.	1.0017
Resistivity (ohm-meters) 65° F.	19.5
Total Dissolved Solids (calc.)	600
Iron, Fe (total)	
Sulfide, as H_2S	

REMARKS & RECOMMENDATIONS:



Date Received	Preserved	Date Analyzed	Analyzed By
9/16/91	No	9/16-17/91	