

646

30-045-27221

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Meridian Oil Inc Location: Unit m Sec. 11 Twp 30 Rng 10Name of Well/Wells or Pipeline Serviced Sunray H #201CPS #2270Elevation 6178 Completion Date 9-17-91 Total Depth 485 Land Type FCasing Strings, Sizes, Types & Depths Set 700' of 8" P.O.C.If Casing Strings are cemented, show amounts & types used 26 sacks
of neat cementIf Cement or Bentonite Plugs have been placed, show depths & amounts used
NoneDepths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. Water is at 240' and was clearDepths gas encountered: No gasGround bed depth with type & amount of coke breeze used: 485' with
78 sacks of Asbury 4518Depths anodes placed: #1 is at 470 3 #12 is at 325'Depths vent pipes placed: 485' to surfaceVent pipe perforations: Vent pipe is perforated up to 150'

Remarks: _____

RECEIVED

FEB 24 1992

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# 270-w		P/L NAME(s), NUMBER(s) Sunray H 201					
NO # H174	TOTAL	VOLTS 12.36	AMPS 18.7	OHMS .16	DATE 4-17-91	NAME R. Smith	
REMARKS (notes for construction log) H20 at 240' Vent pipe peeled up to 150'							

DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	
100			295	.8		490			685			
105			300	.9		495			690			
110			305	1.0		500			695			
115			310	.9		505			700			
120			315	1.0		510			ANODE	DEPTH	NO	FULLY
125			320	1.9		515			*		COKE	COK'D
130			325	1.6	(12)	520			1	470	2.2	4.4
135			330	1.5		525			2	460	2.7	6.1
140			335	1.6	(11)	530			3	450	2.9	6.0
145			340	1.5		535			4	440	3.0	6.5
150			345	1.1		540			5	430	2.8	6.7
155			350	1.0		545			6	420	2.4	5.9
160			355	1.7	(10)	550			7	410	2.7	5.6
165			360	1.2		555			8	400	2.7	5.4
170			365	.8		560			9	390	2.4	5.4
175			370	.7		565			10	355	1.7	3.8
180			375	.9		570			11	335	1.7	4.0
185			380	1.3		575			12	325	1.8	4.2
190			385	2.2		580			13			
195			390	2.4	(9)	585			14			
200			395	2.7		590			15			
205			400	2.8	(8)	595			16			
210			405	2.7		600			17			
215			410	2.8	(7)	605			18			
220			415	2.7		610			19			
225			420	2.5	(6)	615			20			
230			425	2.8		620			21			
235			430	2.9	(5)	625			22			
240			435	2.7		630			23			
245			440	3.1	(4)	635			24			
250	.5		445	2.8		640			25			
255			450	2.9	(3)	645			26			
260			455	2.9		650			27			
265			460	2.7	(2)	655			28			
270			465	2.4		660			29			
275			470	2.2	(1)	665			30			
280			475	2.1		670						
285			480	1.6		675						
290	.7		485	TD		680						

DISTRIBUTION - original - permanent CPS FILE

copy - Division Corrosion Supervisor

copy - Region Corrosion Specialist

API WATER ANALYSIS REPORT FORM

Laboratory No. 25911008-1B

2270W

Company <u>MERIDIAN OIL</u>		Sample No.		Date Sampled <u>9-17-91</u>	
Field		Legal Description <u>M11-31-10</u>		County or Parish <u>SAN JUAN</u>	
State <u>N.M.</u>		Lease or Unit <u>SUNRAY H 201</u>		Depth <u>GROUND BED</u>	
Type of Water (Produced, Supply, etc.)		Sampling Point <u>Water Table</u>		Sampled By <u>R. SMITH</u>	

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	<u>1500</u>	<u>67</u>
Calcium, Ca	<u>400</u>	<u>20</u>
Magnesium, Mg	<u>24</u>	<u>2.0</u>
Barium, Ba		

OTHER PROPERTIES

pH	<u>7.5</u>
Specific Gravity, 60/60 F.	<u>1.0035</u>
Resistivity (ohm-meters) <u>60° F.</u>	<u>3.25</u>

Total Dissolved Solids (calc.)

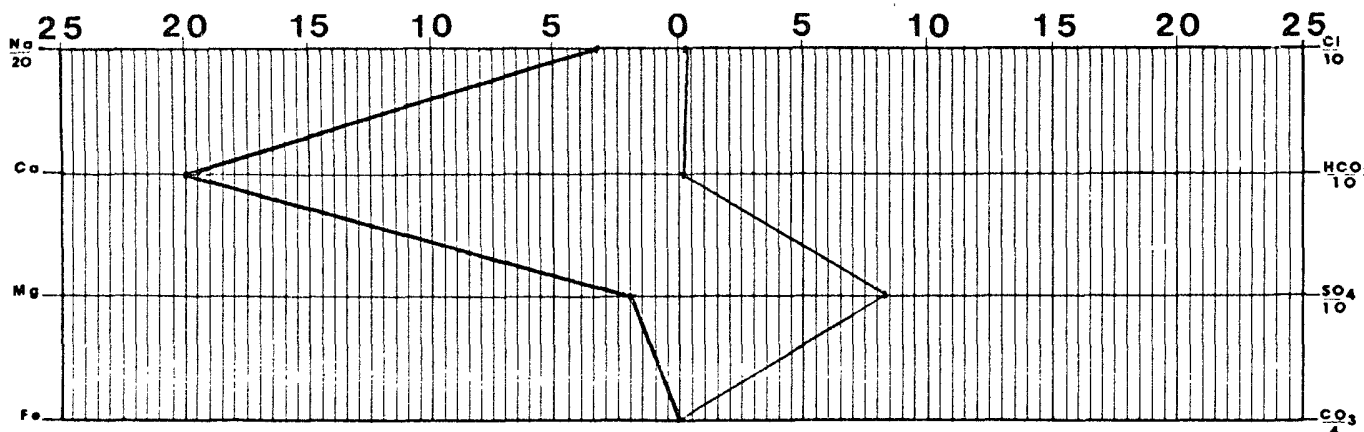
6200

ANIONS

Chloride, Cl	<u>120</u>	<u>3.5</u>
Sulfate, SO_4	<u>4000</u>	<u>83</u>
Carbonate, CO_3	<u>0</u>	<u>0</u>
Bicarbonate, HCO_3	<u>120</u>	<u>2.0</u>

Iron, Fe (total)
Sulfide, as H_2S

REMARKS & RECOMMENDATIONS:



Date Received <u>10/8/91</u>	Preserved <u>N/O</u>	Date Analyzed <u>10/8-10/9/91</u>	Analyzed By <u>ES</u>
---------------------------------	-------------------------	--------------------------------------	--------------------------



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