

630 205-20-039-20850

470-20-039-25052

E

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Meridian Oil Location: Unit 5 Sec. 9 Twp 27 Rng 6Name of Well/Wells or Pipeline Serviced San Juan 28-6 #2054 #4762254-WElevation 6490 Completion Date 9-3-91 Total Depth 465' Land Type FCasing Strings, Sizes, Types & Depths 100 8" PUCIf Casing Strings are cemented, show amounts & types used yes - 23 Sacks

If 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. 110' FreshDepths gas encountered: NoneGround bed depth with type & amount of coke breeze used: 465'Asbury Coke - 142 BagsDepths anodes placed: #1-450, #2-440, #3-425, #4-415, #5-405, #6-395
#7-385, #8-375, #9-365, #10-355, #11-190, #12-155Depths vent pipes placed: From Surface to 465'Vent pipe perforations: From 150' to 465'

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# 2254-2	P/L NAME(s), NUMBER(s) San Juan 28-6 #205 + #476					
WO # M580	TOTAL	VOLTS 12.5	AMPS 22.6	OHMS .55	DATE 9-3-91	NAME David Ashwood

REMARKS (notes for construction log)

H₂O-110'

DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	
	ANODE	NO.		ANODE	NO.		ANODE	NO.		ANODE	NO.	
100			295	1.2		490			685			
105			300	1.0		495			690			
110			305	.7		500			695			
115			310	.7		505			700			
120			315	.7		510			ANODE	DEPTH	NO.	FUL
125			320	.7		515					COKE	COK
130			325	.7		520			1	450	2.2	4.8
135			330	1.0		525			2	440	2.3	5.4
140			335	1.7		530			3	425	2.0	5.1
145			340	1.5		535			4	415	2.2	5.1
150	1.7		345	1.6		540			5	405	2.4	6.1
155	2.3	12	350	1.7		545			6	395	2.3	5.1
160	2.5		355	1.9	10	550			7	385	2.1	5.1
165	1.9		360	2.5		555			8	375	2.4	5.6
170	1.1		365	2.3	9	560			9	365	2.3	5.1
175	1.0		370	2.0		565			10	355	2.1	5.5
180	1.2		375	2.4	8	570			11	190	1.8	5.0
185	1.7		380	2.4		575			12	155	2.6	6.2
190	1.8	11	385	2.1	7	580			13			
195	1.7		390	2.0		585			14			
200	1.7		395	2.3	6	590			15			
205	1.7		400	2.0		595			16			
210	1.4		405	2.5	5	600			17			
215	1.7		410	2.3		605			18			
220	1.4		415	2.0	4	610			19			
225	.8		420	2.2		615			20			
230	.5		425	2.0	3	620			21			
235	.5		430	1.6		625			22			
240	.4		435	1.5		630			23			
245	.4		440	2.4	2	635			24			
250	.5		445	2.1		640			25			
255	.8		450	2.3	1	645			26			
260	1.3		455	2.4		650			27			
265	1.4		460	2.2		655			28			
270	.9		465	TD 465		660			29			
275	.7		470			665			30			
280	.7		475			670						
285	1.1		480			675						
290	1.3		485			680						

DISTRIBUTION: Original - permanent CPS FILE

COPY

Division Corrosion Supervisor

COPY

Region Corrosion Specialist

API WATER ANALYSIS REPORT FORM

2254W

Laboratory No. 25910909-1E

Company MERIDIAN OIL		Sample No.		Date Sampled 9-3-91	
Field		Legal Description G-9, 27-6		County or Parish RIO ARriba	
Lease or Unit		Well SJ 28-6 #205		State N.M.	
Type of Water (Produced, Supply, etc.)		Depth 110'		Formation Water Table	
Sampling Point DEEPWELL GR. BED FOR C.P.		Water, B/D		Sampled By D. ASHWORTH	

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	<u>450</u>	<u>20</u>
Calcium, Ca	<u>200</u>	<u>10</u>
Magnesium, Mg	<u>2.4</u>	<u>0.2</u>
Barium, Ba		

OTHER PROPERTIES

pH	<u>7.8</u>
Specific Gravity, 60/60 F.	<u>1.0036</u>
Resistivity (ohm-meters) <u>72° F.</u>	<u>4.85</u>

Total Dissolved Solids (calc.)

2100.

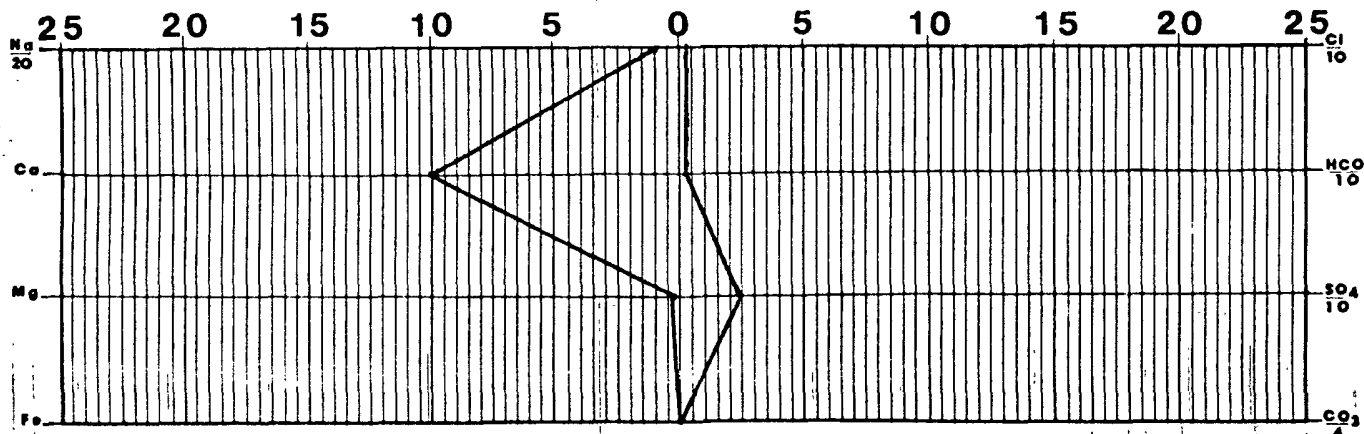
ANIONS

Chloride, Cl	<u>110</u>	<u>3.0</u>
Sulfate, SO_4	<u>1200</u>	<u>24</u>
Carbonate, CO_3	<u>0</u>	<u>0</u>
Bicarbonate, HCO_3	<u>170</u>	<u>2.7</u>

Iron, Fe (total)

Sulfide, as H_2S

REMARKS & RECOMMENDATIONS:



Date Received 9/9/91	Preserved No	Date Analyzed 9/9-11/91	Analyzed By FD
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TECH, Inc.
333 East Main
Farmington
New Mexico
87401
505/327-3311

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

Operator Meridian Oil Location: Unit E Sec. 9 Twp 27 Rng 6

Name of Well/Wells or Pipeline Serviced San Juan 28-6 #2054 #476
2254-W

Elevation 6490 Completion Date 9-3-91 Total Depth 465' Land Type F

Casing Strings, Sizes, Types & Depths 100 8" PUC

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. 110' Fresh

Depths gas encountered: None

Ground bed depth with type & amount of coke breeze used: 465'

Asbury Coke - 142 Bags
Depths anodes placed: #1-450, #2-440, #3-425, #4-415, #5-405, #6-395
#7-385, #8-375, #9-365, #10-355, #11-190, #12-155

Depths vent pipes placed: From Surface to 465'

Vent pipe perforations: From 150' to 465'

Remarks: _____

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If Federal or Indian, add Lease Number.

CPS GROUND BED CONSTRUCTION WORKSHEET

CPS# 2254-4	P/L NAME(S), NUMBER(S) San Juan 28-6 #205 & #476					
WO # M580	TOTAL	VOLTS 12.5	AMPS 22.6	OHMS .55	DATE 9-3-91	NAME David Ashworth

REMARKS (notes for construction log)

H₂O-110'

DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	DEPTH	LOG ANODE	ANODE #	
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105			300	1.0		495			690			
110			305	.7		500			695			
115			310	.7		505			700			
120			315	.7		510			ANODE DEPTH	NO.	FULLY	
125			320	.7		515			#	COKE	COKE	
130			325	.7		520			1	450	2.2	4.8
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Laboratory No.

25910909-1E

2254W

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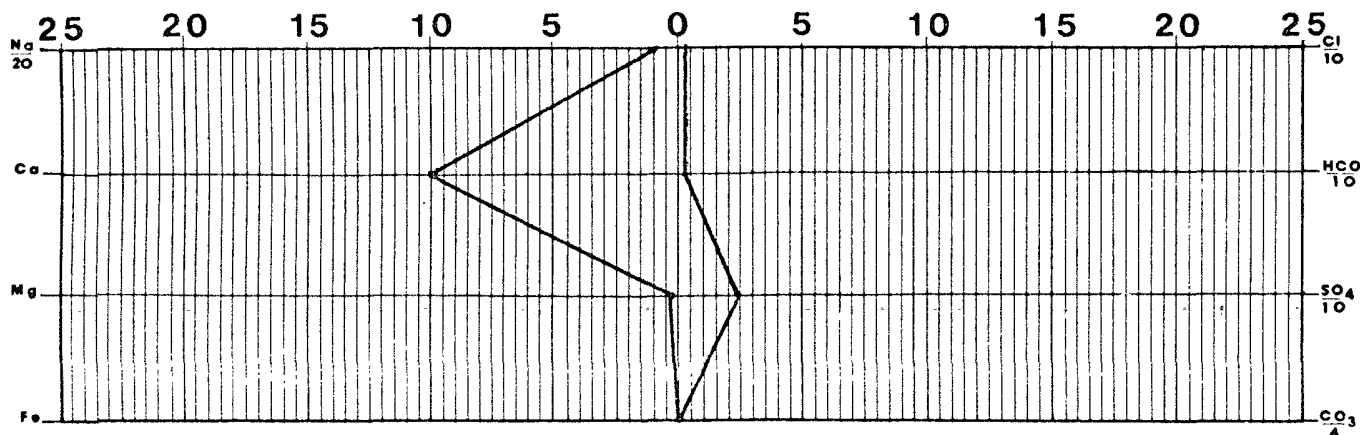
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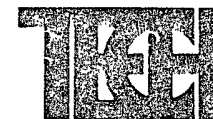
Iron, Fe (total)

Sulfide, as H_2S

REMARKS & RECOMMENDATIONS:



Date Received 9/9/91	Preserved No	Date Analyzed 9/9-10/91	Analyzed By ED
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