

47-30-039-07402

438-30-039-25025

122-30-039-08121

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Meridian Oil Location: Unit M Sec. 15 Twp 28 Rng 6Name of Well/Wells or Pipeline Served San Juan 28-6 #438 #122 #47
1153WElevation 6572 Completion Date 8-28-91 Total Depth 424 Land Type FCasing Strings, Sizes, Types & Depths 100' 8" PVC CasingIf Casing Strings are cemented, show amounts & types used yes - 21 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. 220' - FreshDepths gas encountered: NoneGround bed depth with type & amount of coke breeze used: 424'Asbury Coke - 124 Bags
Depths anodes placed: #1-405' #2-395' #3-375' #4-365' #5-355' #6-345' #7-335'
#8-325' #9-315' #10-305' #11-280' #12-240'Depths vent pipes placed: From Surface to 424'Vent pipe perforations: From 120' to 424'

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# 1153-U P/L NAME(S), NUMBER(S) S.J. 28-6 #438

WO # M267 TOTAL VOLTS 12.4 AMPS 21.2 OHMS .58 DATE 8-28-91 NAME David Ashworth

REMARKS (notes for construction log)

H₂O-220'
PerF-300'

DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	
	ANODE	**		ANODE	**		ANODE	**		ANODE	**	
100			295	1.3		490			685			
105			300	1.7		495			690			
110			305	2.2	10	500			695			
115			310	1.9		505			700			
120			315	2.0	9	510			ANODE	DEPTH	NO	FULLY
125			320	2.8		515			**	COKE	COKE	D
130			325	2.7	8	520			1	40.5	2.0	4.7
135			330	2.7		525			2	39.5	2.5	5.1
140			335	2.0	7	530			3	37.5	2.6	5.7
145			340	1.7		535			4	36.5	2.8	6.2
150			345	1.9	6	540			5	35.5	2.1	5.4
155			350	2.7		545			6	34.5	2.4	5.6
160			355	2.2	5	550			7	33.5	2.2	5.6
165			360	1.6		555			8	32.5	2.7	6.1
170			365	2.2	4	560			9	31.5	2.5	5.9
175			370	3.6		565			10	30.5	2.2	5.2
180			375	2.7	3	570			11	28.0	2.2	4.7
185			380	1.2		575			12	24.0	2.8	5.2
190			385	1.2		580			13			
195			390	1.9		585			14			
200			395	2.5	2	590			15			
205			400	2.0		595			16			
210			405	2.0	1	600			17			
215			410	1.9		605			18			
220	1.7		415	1.7		610			19			
225	1.0		420	1.4		615			20			
230	1.1		425	424-77		620			21			
235	1.6		430			625			22			
240	2.8	12	435			630			23			
245	2.5		440			635			24			
250	1.9		445			640			25			
255	1.6		450			645			26			
260	1.4		455			650			27			
265	1.1		460			655			28			
270	1.0		465			660			29			
275	1.3		470			665			30			
280	2.2	11	475			670						
285	1.5		480			675						
290	1.3		485			680						

DISTRIBUTION - original - permanent CPS FILE

copy - Division Corrosion Supervisor
copy - Region Corrosion Specialist

API WATER ANALYSIS REPO FORM

Laboratory No. 25910830-1K

Company <u>MERIDIAN OIL</u>		Sample No. <u>11530</u>		Date Sampled <u>8-28-91</u>	
Field		Legal Description <u>M-15, 28-6</u>		County or Parish <u>Rio Arriba</u>	
Lease or Unit		Well <u>5528-6#438</u>		Depth <u>220'</u>	
Type of Water (Produced, Supply, etc.)		Formation <u>water table</u>		Water, B/D	
Sampling Point <u>DEEPWELL GR. BED FOR C.P.</u>		Sampled By <u>D. ASHWORTH</u>			

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	<u>780</u>	<u>34</u>
Calcium, Ca	<u>250</u>	<u>13</u>
Magnesium, Mg	<u>3.6</u>	<u>0.3</u>
Barium, Ba		

OTHER PROPERTIES

pH	<u>8.3</u>
Specific Gravity, 60/60 F.	<u>1.0037</u>
Resistivity (ohm-meters) <u>70</u> F.	<u>3.15</u>

Total Dissolved Solids (calc.)

3200.

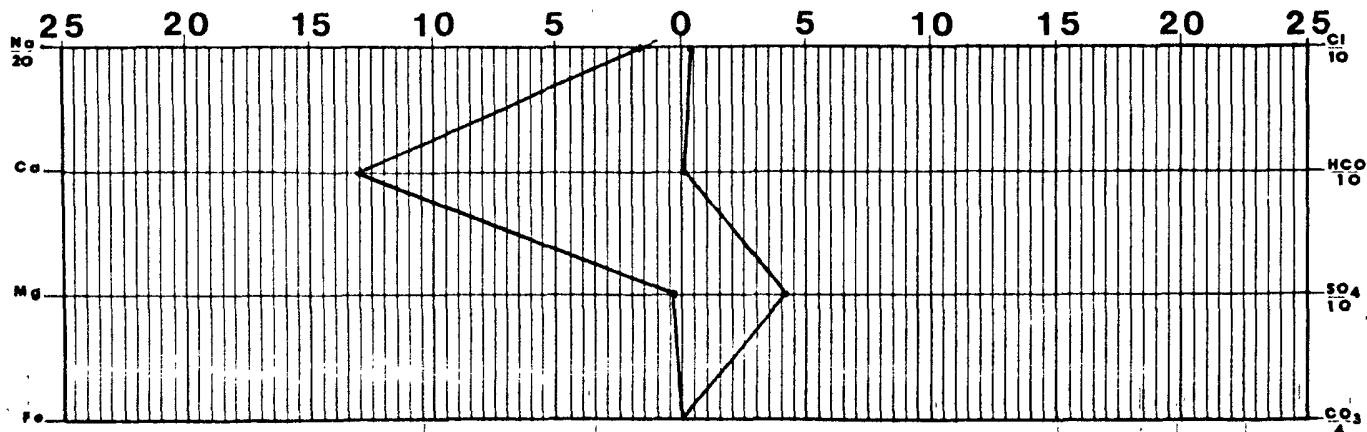
ANIONS

Chloride, Cl	<u>130</u>	<u>3.7</u>
Sulfate, SO_4	<u>2000</u>	<u>42</u>
Carbonate, CO_3	<u>0</u>	<u>0</u>
Bicarbonate, HCO_3	<u>81</u>	<u>1.3</u>

Iron, Fe (total)

Sulfide, as H_2S

REMARKS & RECOMMENDATIONS:



Date Received <u>8/30/91</u>	Preserved <u>No</u>	Date Analyzed <u>8/31/91</u>	Analyzed By <u>ES</u>
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