

669
30-039-25043 E 2298W
DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO

Operator Meridian Oil Location: Unit K Sec. 32 Twp 28 Rng 6

Name of Well/Wells or Pipeline Served San Juan 28-6 #464

Elevation _____ Completion Date 9-4-91 Total Depth 382 Land Type F

Casing Strings, Sizes, Types & Depths 100' 3" - 8" PVC

If Casing Strings are cemented, show amounts & types used yes - 29 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. 100' - Fresh

RECEIVED
FEB 24 1992

Depths gas encountered: None OIL CON. DIV.
DIST. ?

Ground bed depth with type & amount of coke breeze used: 382'

Asbury Coke - 110 Bags

Depths anodes placed: #1-330, #2-215, #3-205, #4-195, #5-185, #6-175
#7-165, #8-155, #9-145, #10-135, #11-125, #12-115

Depths vent pipes placed: From 382 to Surface

Vent pipe perforations: From 80' to 382

Remarks: Perforations are 10' up inside casing

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#	P/L NAME(s), NUMBER(s)					
2298	San Juan 28-6 #464					
WO #	TOTAL	VOLTS	AMPS	OHMS	DATE	NAME
M577		12.3	20.5	.60	9-4-91	David Ashworth

REMARKS (notes for construction log)

Hole Logged Through 2500' Spool
 Water at 100', More Water at 230'

DEPTH	LOG ANODE	ANODE	DEPTH	LOG ANODE	ANODE	DEPTH	LOG ANODE	ANODE	DEPTH	LOG ANODE	ANODE	DEPTH	LOG ANODE	ANODE
100	1.2		295	.6		490			685					
105	1.3		300	.6		495			690					
110	1.2		305	.7		500			695					
115	1.2	12	310	.7		505			700					
120	1.3		315	.7		510			ANODE	DEPTH	NO.	FULLY		
125	1.6	11	320	.7		515					COKE	COKE		
130	1.9		325	.7		520			1	330	1.7	4.0		
135	2.0	10	330	1.0	1	525			2	215	1.5	5.8		
140	1.8		335	1.3		530			3	205	2.6	6.8		
145	1.3	9	340	.9		535			4	195	2.3	7.1		
150	1.2		345	.8		540			5	185	2.3	7.3		
155	1.2	8	350	.6		545			6	175	2.4	7.1		
160	1.2		355	.7		550			7	165	2.3	7.0		
165	1.7	7	360	.6		555			8	155	1.4	6.0		
170	1.9		365	.6		560			9	145	2.1	6.9		
175	1.8	6	370	1.0		565			10	135	2.8	7.7		
180	1.6		375	1.1		570			11	125	2.2	6.8		
185	1.8	5	380	382-719		575			12	115	1.4	5.5		
190	1.5		385			580			13					
195	1.7	4	390			585			14					
200	1.8		395			590			15					
205	1.7	3	400			595			16					
210	1.4		405			600			17					
215	1.2	2	410			605			18					
220	1.0		415			610			19					
225	.9		420			615			20					
230	.8		425			620			21					
235	.7		430			625			22					
240	.6		435			630			23					
245	.8		440			635			24					
250	.7		445			640			25					
255	.7		450			645			26					
260	.6		455			650			27					
265	.6		460			655			28					
270	.6		465			660			29					
275	.5		470			665			30					
280	.6		475			670								
285	.7		480			675								
290	.6		485			680								

DISTRIBUTION -- original -- permanent CPS FILE

copy -- Division Corrosion Supervisor
 copy -- Region Corrosion Specialist

API WATER ANALYSIS REPORT FORM

2298W

Laboratory No. 25910909-1G

Company <u>MERIDIAN OIL</u>		Sample No.		Date Sampled <u>9/4/91</u>	
Field		Legal Description <u>K-32 28-6</u>		County or Parish <u>RIO ARriba</u>	
Lease or Unit		Well <u>ST 28-6 #464</u>		State <u>N.M.</u>	
Type of Water (Produced, Supply, etc.)		Depth <u>100'</u>		Formation <u>WATER TABLE</u>	
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>670</u>	<u>29</u>
Calcium, Ca	<u>220</u>	<u>11</u>
Magnesium, Mg	<u>4.9</u>	<u>0.4</u>
Barium, Ba		

OTHER PROPERTIES

pH	<u>8.2</u>
Specific Gravity, 60/60 F.	<u>1.0042</u>
Resistivity (ohm-meters) <u>72</u> F.	<u>3.45</u>

Total Dissolved Solids (calc.)

2800

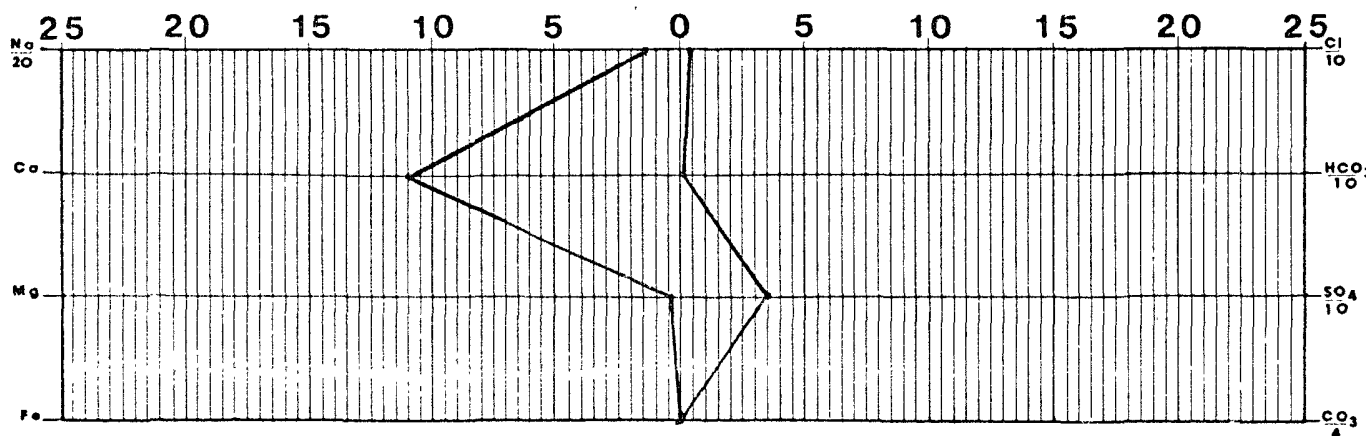
ANIONS

Chloride, Cl	<u>140</u>	<u>4.0</u>
Sulfate, SO_4	<u>1700</u>	<u>35</u>
Carbonate, CO_3	<u>0</u>	<u>0</u>
Bicarbonate, HCO_3	<u>100</u>	<u>1.7</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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