

710

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO#3 30-045-10683
#336 30-045-27658
623520Operator Meridian Oil Location: Unit N Sec. 17 Twp 31 Rng 8
Name of Well/Wells or Pipeline Serviced Quinn #3 and Quinn #336Elevation 6532 Completion Date 8-1-91 Total Depth 455' Land Type FCasing Strings, Sizes, Types & Depths 100' 8" PVCIf Casing Strings are cemented, show amounts & types used yes - 20 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. 135' - Fresh

RECEIVED

FEB 24 1992

Depths gas encountered: None OIL CON. DIV.]Ground bed depth with type & amount of coke breeze used: 4.55' AsburyDepths anodes placed: #1-425' #2-415' #3-405' #4-395' #5-385' #6-375' #7-365' #8-355' #9-345' #10-335' #11-325' #12-300'Depths vent pipes placed: 455' to surfaceVent pipe perforations: 455' to 65'Remarks: No gas encountered in drilling of hole. More water making in hole at 260'

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# 6235-W	P/L NAME(s), NUMBER(s) Quinn #336 + Quinn #3					
WO # M315	TOTAL	VOLTS 12.6	AMPS 14.5	OHMS .86	DATE 8-1-91	NAME Dave P. Ashworth

REMARKS (notes for construction log)

135 260

380' Perf

DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	
	ANODE	*		ANODE	*		ANODE	*		ANODE	*	
100			295	1.2		490			685			
105			300	1.7	12	495			690			
110			305	1.3		500			695			
115			310	1.1		505			700			
120			315	1.0		510			ANODE	DEPTH	NO	FULLY
125			320	1.0		515			*		COKE	COKE'D
130			325	1.1	11	520			1	425	1.9	4.4
135			330	1.7		525			2	415	2.3	4.8
140			335	2.2	10	530			3	405	2.4	5.1
145			340	2.3		535			4	395	2.4	4.4
150			345	1.9	9	540			5	385	2.0	4.3
155			350	1.7		545			6	375	1.9	4.3
160			355	2.0	8	550			7	365	2.1	4.3
165			360	2.0		555			8	355	1.9	4.1
170			365	1.8	7	560			9	345	2.2	4.4
175			370	1.5		565			10	335	2.0	4.0
180			375	1.6	6	570			11	325	1.9	3.9
185	1.9		380	2.1		575			12	300	1.7	3.6
190	1.6		385	2.2	5	580			13			
195	1.0		390	2.3		585			14			
200	1.5		395	2.3	4	590			15			
205	1.5		400	2.3		595			16			
210	1.5		405	2.4	3	600			17			
215	1.6		410	2.2		605			18			
220	1.5		415	2.2	2	610			19			
225	1.5		420	2.1		615			20			
230	1.5		425	1.6	1	620			21			
235	1.5		430	1.2		625			22			
240	1.5		435	1.1		630			23			
245	1.6		440	1.3		635			24			
250	1.6		445	1.4		640			25			
255	1.6		450	1.4		645			26			
260	1.6		455	1.4		650			27			
265	1.8		460			655			28			
270	1.9		465			660			29			
275	1.1		470			665			30			
280	1.3		475			670						
285	1.2		480			675						
290	1.1		485			680						

DISTRIBUTION - original - permanent CPS FILE

copy - Division Correction Supervisor

copy - Region Correction Specialist

API WATER ANALYSIS REPORT FORM

6235-W

Laboratory No. 25910808-1E

Company <u>MERIDIAN OIL</u>		Sample No.	Date Sampled <u>8-1-91</u>
Field	Legal Description <u>N-17, 31-8</u>	County or Parish <u>SAN JUAN</u>	State <u>N.M.</u>
Lease or Unit	Well <u>QUINN #336</u>	Depth	Formation <u>GR. BED</u>
Type of Water (Produced, Supply, etc.) <u>CATHODIC PROTECTION</u>		Sampling Point	Sampled By <u>D. ASHWORTH</u>

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	<u>5600</u>	<u>240</u>
Calcium, Ca	<u>12</u>	<u>0.6</u>
Magnesium, Mg	<u>36</u>	<u>3.0</u>
Barium, Ba		

ANIONS

Chloride, Cl	<u>1300</u>	<u>38</u>
Sulfate, SO_4	<u>2.9</u>	<u>1.06</u>
Carbonate, CO_3	<u>530</u>	<u>18</u>
Bicarbonate, HCO_3	<u>11,000</u>	<u>190</u>

OTHER PROPERTIES

pH	<u>8.7</u>
Specific Gravity, 60/60 F.	<u>1.0124</u>
Resistivity (ohm-meters) <u>69° F.</u>	<u>0.65</u>

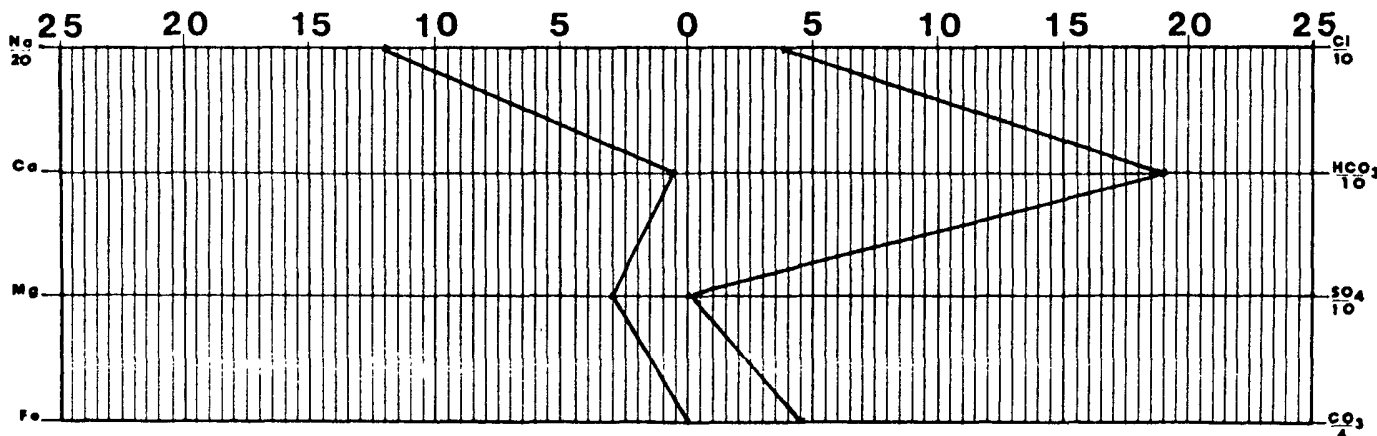
Total Dissolved Solids (calc.)

18,000

Iron, Fe (total)

Sulfide, as H_2S

REMARKS & RECOMMENDATIONS:



Date <u>8/8/91</u>	Preserved <u>No</u>	Date Analyze <u>8/12/91</u>	Analyzed By <u>ES</u>
-----------------------	------------------------	--------------------------------	--------------------------



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