

#221E 30-045-26685

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

Operator Meridian Oil Location: Unit 0 Sec. 13 Twp 25 Rng 10

Name of Well/Wells or Pipeline Serviced _____

Huerfano # 221E

Elevation _____ Completion Date 5-14-93 Total Depth 360' Land Type _____

Casing Strings, Sizes, Types & Depths 98' of 8" PVC

If Casing Strings are cemented, show amounts & types used 22 Sacks

If Cement or Bentonite Plugs have been placed, show depths & amounts used

N/A

Depths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. 105' Fresh

Depths gas encountered: N/A

Ground bed depth with type & amount of coke breeze used: 360'

88 Sacks of ASbury

Depths anodes placed: 305, 295, 285, 275, 265, 255, 245, 237, 205, 195, 185, 175, 165, 135, 125

Depths vent pipes placed: 335'

Vent pipe perforations: Bottom 230'

Remarks: _____

RECEIVED

JAN 31 1994

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.

API WATER ANALYSIS REPORT FORM

Laboratory No. 25-930520-2A

Company <u>MERIDIAN OIL</u>		Sample No.	Date Sampled <u>5-14-93</u>
Field <u>2512 W</u>	Legal Description <u>0-13-25-10</u>	County or Parish	State
Lease or Unit	Well <u>Merfano #221E</u>	Depth	Formation
Type of Water (Produced, Supply, etc.)		Sampling Point <u>Groundbed</u>	Water, B/D
		Sampled By <u>K. Bishop</u>	



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

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	<u>370</u>	<u>16</u>
Calcium, Ca	<u>-</u>	<u>-</u>
Magnesium, Mg	<u>-</u>	<u>-</u>
Barium, Ba	<u>-</u>	<u>-</u>

OTHER PROPERTIES

pH	<u>9.0</u>
Specific Gravity, 60/60 F.	<u>(insufficient sample for analysis)</u>
Resistivity (ohm-meters) <u>76</u> F.	<u>6.5</u>

Total Dissolved Solids (calc.)

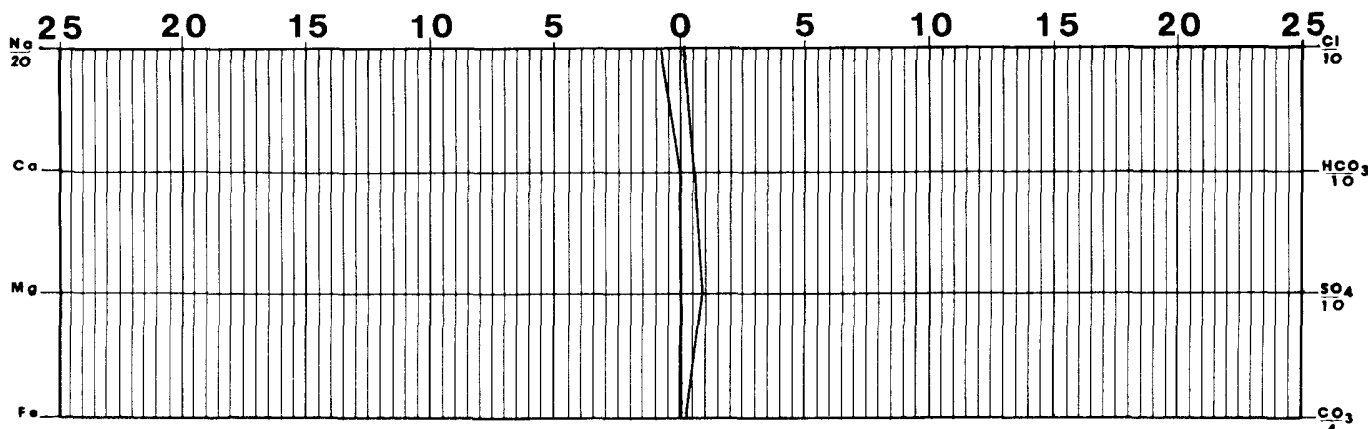
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ANIONS

Chloride, Cl	<u>30</u>	<u>0.7</u>
Sulfate, SO_4	<u>430</u>	<u>9.0</u>
Carbonate, CO_3	<u>20</u>	<u>0.8</u>
Bicarbonate, HCO_3	<u>320</u>	<u>5.2</u>

Iron, Fe (total)	
Sulfide, as H_2S	

REMARKS & RECOMMENDATIONS:



Date Received <u>May 20th, 1993</u>	Preserved	Date Analyzed <u>June 12th, 1993</u>	Analyzed By <u>R.H.</u>
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