

#4A 30-039-22114

#11 30-039-06787

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Meridian Oil Co. Location: Unit 0 Sec. 31 Twp 27 Rng 04

Name of Well/Wells or Pipeline Served _____

SAN JUAN 27-4 UNIT #4A + S.J. 27-4 UNIT #11Elevation 7176 Completion Date 10-15-92 Total Depth 485' Land Type FCasing Strings, Sizes, Types & Depths 9/25 SET 100' OF 8" PVC CASINGNO GAS, WATER, OR BOULDERS WERE ENCOUNTERED DURING CASING.If Casing Strings are cemented, show amounts & types used CementedWITH 22 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. 150' fresh waterDepths gas encountered: NONEGround bed depth with type & amount of coke breeze used: 485'73 SACKS OF LORESCO TYPE SWDepths anodes placed: 465, 445, 435, 410, 385, 365, 319, 304, 295, 280, 215, 205, 188, 178, 170Depths vent pipes placed: 485'Vent pipe perforations: bottom 330'

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. 25921109-2D

Company <u>MERIDIAN CO.</u>		Sample No.		Date Sampled <u>10/15/92</u>	
Field		Legal Description		County or Parish <u>Rio Arriba</u>	
Lease or Unit <u>2439W</u>		Well <u>SS 27-4 No. 4A</u>		State <u>NM</u>	
Type of Water (Produced, Supply, etc.)		Depth		Formation	
		Sampling Point <u>Groundbed</u>		Water, B/D	
				Sampled By <u>Keith Bishop</u>	

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc)	<u>620</u>	<u>27</u>
Calcium, Ca	<u>57</u>	<u>2.9</u>
Magnesium, Mg	<u>5</u>	<u>0.4</u>
Barium, Ba		

OTHER PROPERTIES

pH

Specific Gravity, 60/60 F.

Resistivity (ohm-meters) 73 F.

8.0

1.0046

4.6

Total Dissolved Solids (calc.)

2200 mg/L

ANIONS

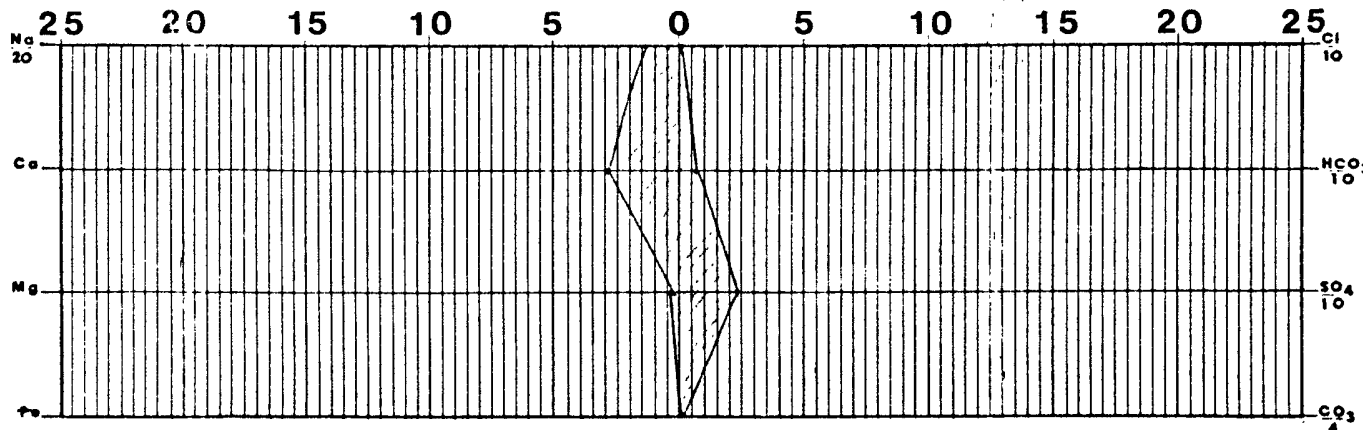
Chloride, Cl	<u>18</u>	<u>0.5</u>
Sulfate, SO_4	<u>1100</u>	<u>23</u>
Carbonate, CO_3	<u>ND</u>	<u>ND</u>
Bicarbonate, HCO_3	<u>400</u>	<u>6.6</u>

Iron, Fe (total)

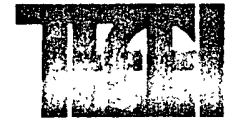
Sulfide, as H_2S

REMARKS & RECOMMENDATIONS:

ND = Not Detected



Date Received <u>11/9/92</u>	Preserved	Date Analyzed <u>11/9-11/10 1992</u>	Analyzed By <u>Slack</u>
---------------------------------	-----------	---	-----------------------------



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