

#4 30-045-10949
#14 30-045-10952

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

Operator Meridian Oil Inc. Location: Unit D Sec. 07 Twp 31 Rng 11

Name of Well/Wells or Pipeline Serviced _____

Grenier #4 AND #14

Elevation _____ Completion Date 3-25-93 Total Depth 436' Land Type F

Casing Strings, Sizes, Types & Depths 3/125ET 98' OF 8" PVC CASING

NO GAS OR BOULDERS WERE ENCOUNTERED DURING CASING

If Casing Strings are cemented, show amounts & types used Cemented

WITH 19 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. HIT FRESH WATER AT 34' More Water

at 120' Fresh

Depths gas encountered: None

Ground bed depth with type & amount of coke breeze used: 436'

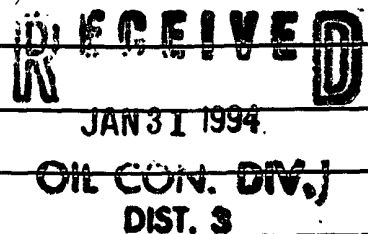
6400 lbs Loresco

Depths anodes placed: ①- 415, 405, 395, 385, 375, 365, 355, 345, 335, 325, 280, 270, 260, 245, 235

Depths vent pipes placed: Sur Face to 436'

Vent pipe perforations: From 200' to 436'

Remarks: No gas encountered during drilling



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. 25-930417-10

Company MERIDIAN OIL		Sample No.		Date Sampled 3-25-93	
Field 4067 W		Legal Description D-7, 31-11		County or Parish SJ	
Lease or Unit		Well Grenier #4		Depth 120'	
Type of Water (Produced, Supply, etc.)		Formation		Water, B/D	
Sampling Point C.A. Ground Bed		Sampled By D. Ashworth			

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	<u>1900</u>	<u>82</u>
Calcium, Ca	<u>400</u>	<u>20</u>
Magnesium, Mg	<u>17</u>	<u>1.4</u>
Barium, Ba		

OTHER PROPERTIES

pH	<u>7.57</u>
Specific Gravity, 60/60 F.	<u>1.0091</u>
Resistivity (ohm-meters) <u>71</u> F.	<u>1.5</u>

Total Dissolved Solids (calc.)

7100

ANIONS

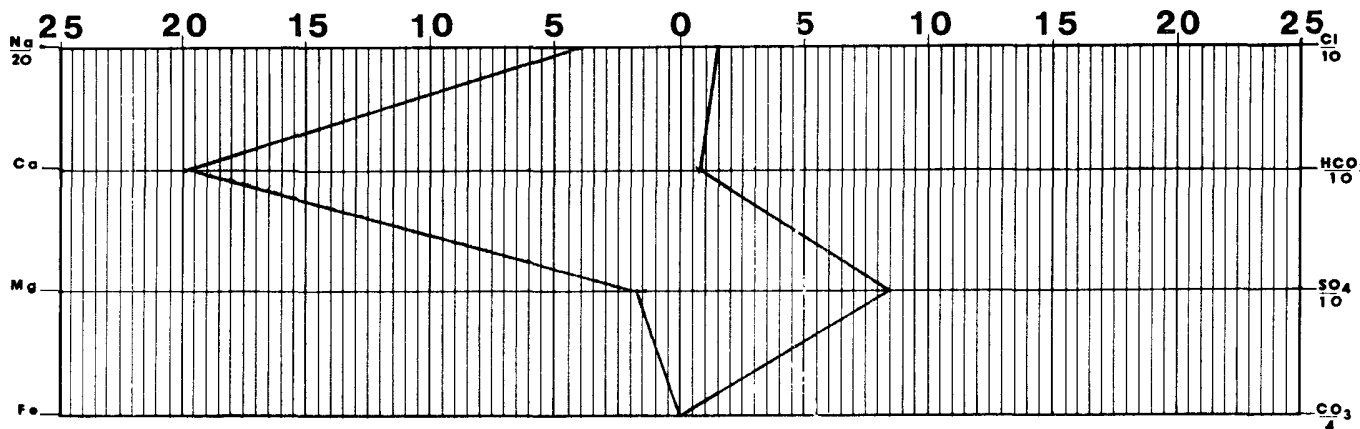
Chloride, Cl	<u>500</u>	<u>14</u>
Sulfate, SO_4	<u>4000</u>	<u>84</u>
Carbonate, CO_3	<u>-</u>	<u>-</u>
Bicarbonate, HCO_3	<u>340</u>	<u>5.6</u>

Iron, Fe (total)

Sulfide, as H_2S

REMARKS & RECOMMENDATIONS:

ATTN: Bill Donahue



Date Received April 17th, 1993	Preserved	Date Analyzed April 24th 1993	Analyzed By P.H.
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