

#2 30-045-10676
#3 30-045-24675
DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO

Operator Meridian Oil Co. Location: Unit P Sec. 14 Twp 31 Rng 12

Name of Well/Wells or Pipeline Serviced _____

HARPER #2 AND #3

Elevation _____ Completion Date 3-30-93 Total Depth 395 Land Type P

Casing Strings, Sizes, Types & Depths 12/11 SET 100' OF 8" PVC CASING

NO GAS, WATER, OR BOULDERS WERE ENCOUNTERED DURING CASING.

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

WITH 24 SACKS.

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

no plugs

Depths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. 180' and clear.

Depths gas encountered: no gas

Ground bed depth with type & amount of coke breeze used: 395' with
57 (100 lb) sacks of Lortco S.W.

Depths anodes placed: 1 is at 370' and 15 is at 190'

Depths vent pipes placed: Bot. to Surface

Vent pipe perforations: up to 180'

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. 25-930417-38

Company MERIDIAN OIL		Sample No.		Date Sampled 3-30-93	
Field 4072 W		Legal Description P14-31-12		County or Parish S.T.	
Lease or Unit		Well HARPER #2, #3		Depth	
				Formation MU & DK	
Type of Water (Produced, Supply, etc.)		Sampling Point G. Bed		Water, B/D	
				Sampled By R. Smith	

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	1100	48
Calcium, Ca	455	22.7
Magnesium, Mg	16	1.3
Barium, Ba		

ANIONS

Chloride, Cl	500	14
Sulfate, SO_4	2800	57
Carbonate, CO_3		
Bicarbonate, HCO_3	50	0.8

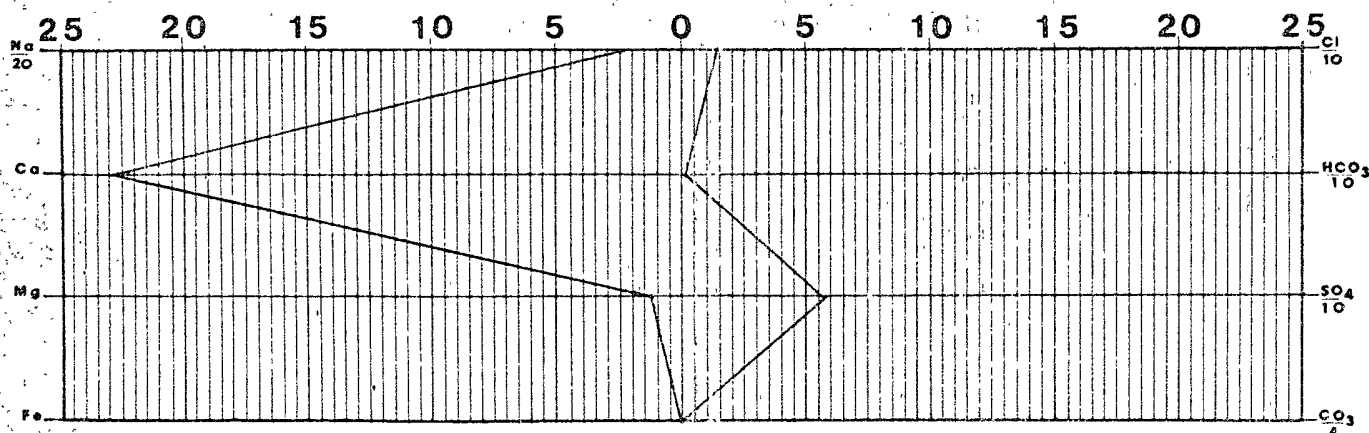
OTHER PROPERTIES

pH	7.65
Specific Gravity, 60/60 F.	1.0076
Resistivity (ohm-meters) 74 F.	2.0
Total Dissolved Solids (calc.)	4,900

Iron, Fe (total)	
Sulfide, as H_2S	

REMARKS & RECOMMENDATIONS:

ATTN: B. DONAHUE



Date Received April 17th, 1993	Preserved	Date Analyzed May 21st, 1993	Analyzed By R.H.
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