

#3 30-045-08683
#5 30-045-20517
#11 30-045-28567

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

Operator Meridian Oil Co Location: Unit L Sec. 06 Twp 29 Rng 11

Name of Well/Wells or Pipeline Serviced _____

Cooper #3, #5, + #11

Elevations 5500 Completion Date 3-8-93 Total Depth 370' Land Type F

Casing Strings, Sizes, Types & Depths 3/6 SET 98' of 8" PVC CASING.

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

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

WITH 21 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 was clear.

Depths gas encountered: no gas

Ground bed depth with type & amount of coke breeze used: 370' with
108 (50 lbs) sacks of Asbury Graphite

Depths anodes placed: #1 is at 335 and #15 is at 195'

Depths vent pipes placed: Bottom 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. 25-930417-14

Company MERIDIAN OIL		Sample No.		Date Sampled	
Field 4174 W		Legal Description M6-29-11		County or Parish S.J.	
Lease or Unit		Well Cooper #3, #5, #11		Depth	
Type of Water (Produced, Supply, etc.)		Formation Dakota		Water, B/D	
Sampling Point G. Bed		Sampled By R. Smith			

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	900	40
Calcium, Ca	497	24.8
Magnesium, Mg	15	1.2
Barium, Ba		

OTHER PROPERTIES

pH	7.50
Specific Gravity, 60/60 F.	1.0060
Resistivity (ohm-meters) 71 F.	2.5

Total Dissolved Solids (calc.)

4600

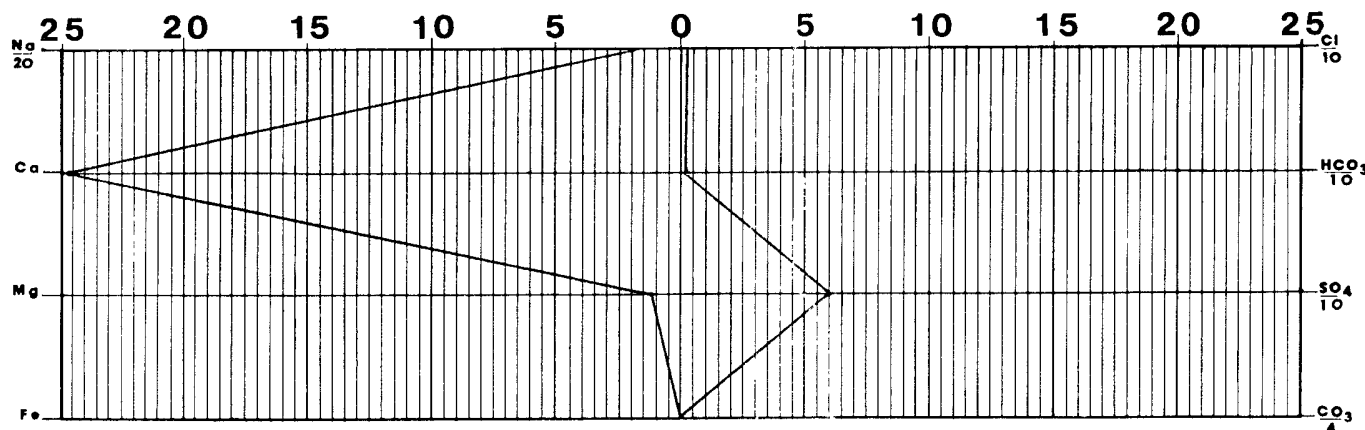
ANIONS

Chloride, Cl	92	2.6
Sulfate, SO_4	3000	61
Carbonate, CO_3	-	-
Bicarbonate, HCO_3	60	1

Iron, Fe (total)
Sulfide, as H_2S

REMARKS & RECOMMENDATIONS:

ATTN: B Donahue



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