

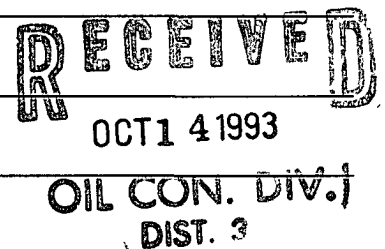
30-045-27775

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS

MD-13

NORTHWESTERN NEW MEXICO
(Submit 3 Copies to OCD Aztec Office)Operator: BLACKWOOD & NICHOLS CO. Location: Unit L, Sec. 19, Twp 31N, Rng 6W.Name of Well/Wells or Pipeline Served NEBU 486Elevation 6300' Completion Date 8-17-93 Total Depth 510' Land Type* Surface: F Mineral: SF-078988Casing, Sizes, Types & Depths 8-5/8" SCH 40 P.V.C. - 100', 7-7/8" Open HoleIf Casing is cemented, show amounts & types used 20 sks Portland Zia I-II - 90# ea.If Cement or Bentonite Plugs have been placed, show depths & amounts used N/A

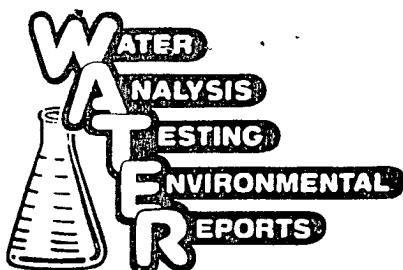
Depths & thickness of water zones with description of water when possible:

Fresh, Clear, Salty, Sulphur, Etc. Fresh, Clear, water sample taken from 265' depth.Depths gas encountered: N/AType & amount of coke breeze used: 124 sx Asbury flo-coke.Depths anodes placed: 265' - 435'Depths vent pipes placed: 510' to 4' above ground level.Vent pipe perforations: 110' - 510'Remarks: Groundbed is located at 142' N 55° E of NEBU 486.

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.

Signed by: James K. AllenTitle: Operations EngineerDate: 10/12/93



1115 Farmington Avenue - Farmington, NM 87401
(505) 325-1085

Lab Sample No.: W93-286

Standard A.P.I. Water Analysis Report

Collected By: J. Evans

Company: Blackwood and Nichols Co.

Collection Date: 13-Aug-93

Well Name: MD - 13

Collection Time: Unknown

Formation: Surface

County: San Juan State: NM

Location: (L) Sec. 19-T31-R6

Analyst: S. Spencer

Remarks: NEBU #486 Groundbed from 270' depth

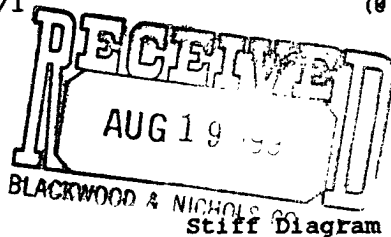
Analysis Date: 8/16/93

Sean Spencer

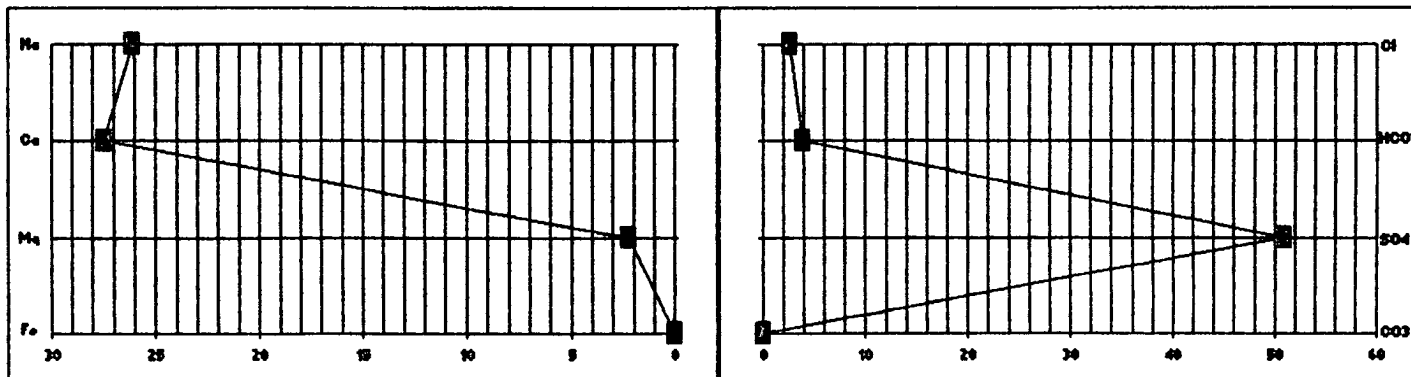
PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	600	mg/l	Chloride, Cl	94	mg/l
Potassium, K	21	mg/l	Sulfate, SO ₄	2450	mg/l
Calcium, Ca	550	mg/l	Hydroxide, OH	0	mg/l
Magnesium, Mg	27	mg/l	Carbonate, CO ₃	0	mg/l
Iron, Fe (Total)	0.0	mg/l NR	Bicarbonate, HCO ₃	240	mg/l
Hydrogen Sulfide	0	mg/l <0.1	Resistivity	2.299	ohm-m
pH	7.59	Units	(@25 Degrees C)		
TDS	2,900	mg/l	Conductivity	4,350	uS
			Specific Gravity	1.000	Units
			(@ 60 Degrees F)		

Remarks: None.

NR = Test Not Run



Anion/Cation: 102.2%



BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

CP# 4D-13 WELL# NEB11#486

S 19 T 3111 R 64

[illegible]

DRILLER gerse martinez

INSPECTOR J. Motysek

BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

CP# AD#13, WELL# NEBU #486

S 19 T 31

[illegible]

DRILLER 

INSPECTOR 