

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 Copies to OCD Aztec Office)

MD-10

Operator: BLACKWOOD & NICHOLS CO. Location: Unit L, Sec. 18, Twp 31N, Rng 6W.

Name of Well/Wells or Pipeline Serviced NEBU 496

30-045-27709

Elevation 6460' Completion Date 8-5-93 Total Depth 330' Land Type* Surface: F Mineral: SF-078988

Casing, Sizes, Types & Depths 8-5/8" SCH 40 P.V.C. - 100', 7-7/8" Open Hole

If 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, water at 220'.

Depths gas encountered: N/A

Type & amount of coke breeze used: 77 sx - Asbury recarburized Flo-Coke

Depths anodes placed: 220' - 315'

Depths vent pipes placed: 330' to 4' above ground level

Vent pipe perforations: 110' - 330'

Remarks: Ground bed is located 170' S 50° E of NEBU 496.

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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. Allen

Title: Operations Engineer

Date: 8/27/93



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

Lab Sample No.: W93-270

Standard A.P.I. Water Analysis Report

Collected By: J. Evans

Company: Blackwood and Nichols Co.

Collection Date: 5-Aug-93

Well Name: NEBU #496

Collection Time: Unknown

Formation: Surface

County: San Juan State: NM

Location: (L) Sec. 18-T31-R6

Analyst: K. Lambdin & S. Spencer

Remarks: Groundbed from 220' (MD #10)
Dupl - take with thief

Analysis Date: 8/8/93

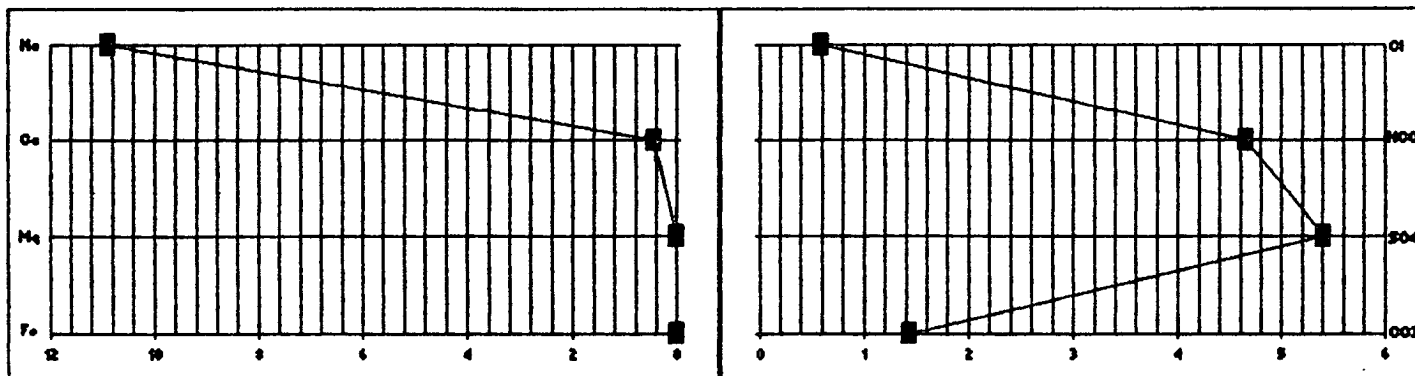
PARAMETER	AS ICON	Comment	PARAMETER	AS ICON	Comment
Sodium, Na	250 mg/l		Chloride, Cl	21 mg/l	
Potassium, K	0 mg/l	<5	Sulfate, SO ₄	260 mg/l	
Calcium, Ca	9 mg/l		Hydroxide, OH	0 mg/l	
Magnesium, Mg	0 mg/l	<5	Carbonate, CO ₃	43 mg/l	
Iron, Fe (Total)	0.0 mg/l	NR	Bicarbonate, HCO ₃	284 mg/l	
Hydrogen Sulfide	0 mg/l	<5	Resistivity	10.471 ohm-m	
pH	9.06 Units		(@25 Degrees C)		
TDS	640 mg/l		Conductivity	955 uS	
			Specific Gravity	1.000 Units	
			(@ 60 Degrees F)		

Remarks: None.

NR = Test Not Run

Anion/Cation: 106.8%

Stiff Diagram



BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

P# MD-10 WELL# NEBU#496

S 18 T 31 R 61

[illegible]

RILLER Gene Martinez

INSPECTOR Joe Matysch

BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

P# MD#10 WELL# NEBU # 496

S 18 T 31 I

[illegible]

RILLER

INSPECTOR