

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

MA-25
MA-26

4279

Operator: BLACKWOOD & NICHOLS CO. Location: Unit N, Sec. 32, Twp 31N, Rng 7W.

Name of Well/Wells or Pipeline Served NEBU 450, 47, 48A 450 - 30-045-27257
47 = 30-045-60248 48A = 30-045-24219

Elevation 6362' Completion Date 9-29-93 Total Depth 510' Land Type* Surface: S Mineral: B-11125

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

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. Clear, 400'

Depths gas encountered: N/A

Type & amount of coke breeze used: Asbury flo-coke 6900#

Depths anodes placed: 150' - 450' (20)

Depths vent pipes placed: Bottom to 4' Above Ground Level

Vent pipe perforations: Bottom 400'

Remarks: Groundbed is located 340° from North and 1,062' from #48A wellhead.

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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.

Signed by: James K. Allen

Title: Operations Engineer Date: 11/19/93



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

Lab Sample No.: W93-405

Standard A.P.I. Water Analysis Report

Collected By: J. Evans

Company: Blackwood & Nichols Co.

Collection Date: 9/29/93

Well Name: MA #25

Collection Time: Unknown

Formation: Groundbed while drilling

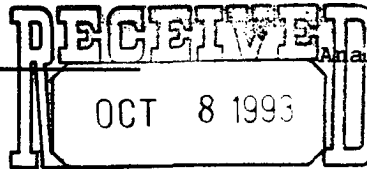
County: Unknown State: Unknown

Location: Unknown

Analyst: K. Lambdin & S. Spencer

Remarks: 420 feet

Analysis Date: 10/7/93



BLACKWOOD & NICHOLS CO., LTD

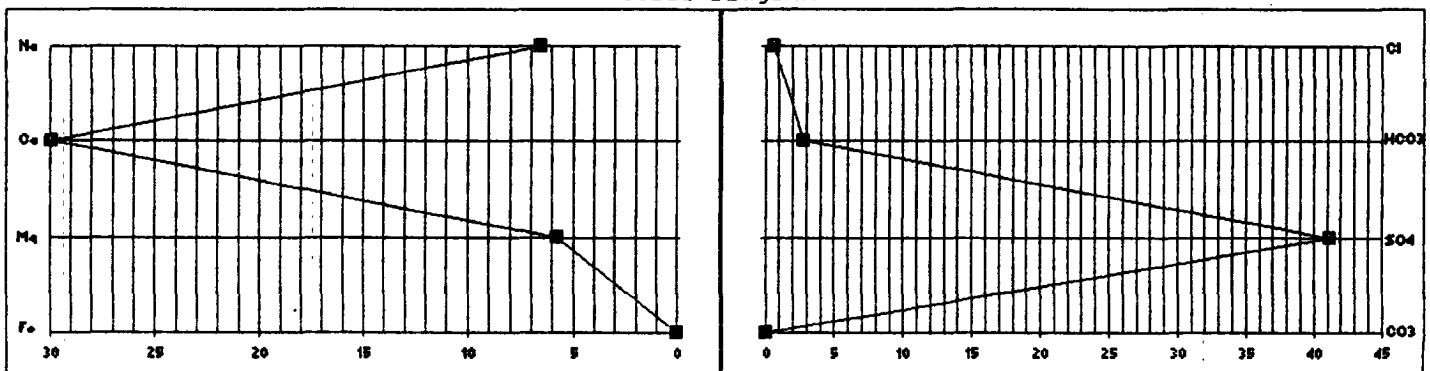
PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	150	mg/l	Chloride, Cl	24	mg/l
Potassium, K	35	mg/l	Sulfate, SO ₄	1980	mg/l
Calcium, Ca	600	mg/l	Hydroxide, OH	0	mg/l
Magnesium, Mg	70	mg/l	Carbonate, CO ₃	0	mg/l
Iron, Fe (Total)	0	mg/l NR	Bicarbonate, HCO ₃	170	mg/l
Hydrogen Sulfide	0	mg/l <0.1	Resistivity	3.279	ohm-m
pH	7.63	Units	(@25 Degrees C)		
TDS	2,020	mg/l	Conductivity	3,050	us
			Specific Gravity	1.000	Units
			(@ 60 Degrees F)		

Remarks: None.

NR = Test Not Run

Anion/Cation: 103.68

Stiff Diagram



Scale: Meq/L

BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

1A-25/24 WELL # NEBU# 540, #47 & 48A

S 32 T 31 N 1

[illegible]

LER perse muttling

INSPECTOR Joe Matysel

9/29/03

N_S 32 T 31

LER 

INSPECTOR *ADP*