

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

MA-27

4265

Operator: BLACKWOOD & NICHOLS CO. Location: Unit K, Sec. 33, Twp 31N, Rng 7W.

Name of Well/Wells or Pipeline Serviced NEBU 446, 46

446 = 30-045-27310  
46 = 30-045-10076

Elevation 6320' Completion Date 9-24-93 Total Depth 450' Land Type\* Surface: F Mineral: SF-079043

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

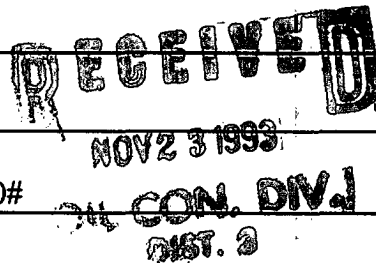
If Casing is cemented, show amounts & types used 20 sks Portland Zia I-II

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, 235'

Depths gas encountered: N/A



Type & amount of coke breeze used: Asbury Carbon Coke - 5,850#

Depths anodes placed: 153' - 410'

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

Vent pipe perforations: Bottom - 340'

Remarks: Groundbed located 174° SE/North & 487' from NEBU 446 wellhead.

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.: W93-388

Standard A.P.I. Water Analysis Report

Collected By: J. Evans

Company: Blackwood and Nichols Co.

Collection Date: 9/22/93

Well Name: MA #27

Collection Time: Unknown

Formation: Groundbed while drilling

County: Unknown State: Unknown

Location: Unknown

Analyst: K. Lambdin & S. Spencer

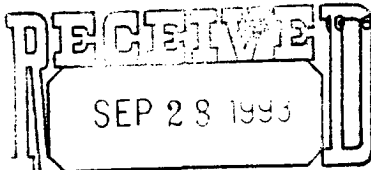
Remarks: 300 feet.

Analysis Date: 9/26/93

*S. Spencer*

PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	140	mg/l	Chloride, Cl	20	mg/l
Potassium, K	30	mg/l	Sulfate, SO <sub>4</sub>	1600	mg/l
Calcium, Ca	510	mg/l	Hydroxide, OH	0	mg/l
Magnesium, Mg	25	mg/l	Carbonate, CO <sub>3</sub>	0	mg/l
Iron, Fe (Total)	0	mg/l NR	Bicarbonate, HCO <sub>3</sub>	180	mg/l
Hydrogen Sulfide	0	mg/l <0.1	Resistivity	3.846	ohm-m
pH	7.69	Units	(825 Degrees C)		
TDS	1,730	mg/l	Conductivity	2,600	uS
			Specific Gravity	1.000	Units
					(60 Degrees F)

Remarks: None.

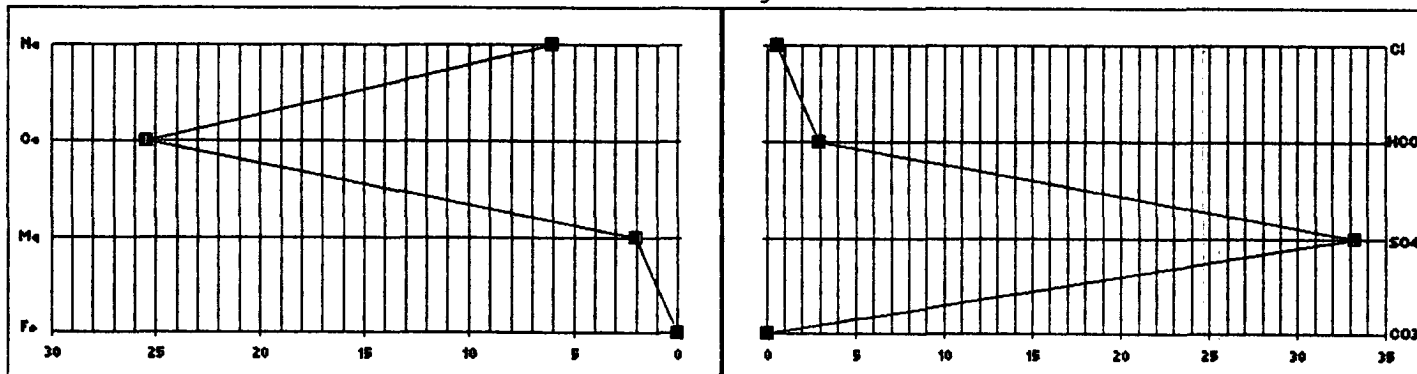


BLACKWOOD & NICHOLS CO., LTD.

NR = Test Not Run

Anion/Cation: 107.18

Stiff Diagram



Scale: Meq/L

# BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

MA-27 WELL# NFR #446 & #46

S 32 T 31N /

[illegible]

CLER gene mounting

INSPECTOR Joe Martynuk

# CATHODIC GROUND BED DRILLERS REPORT

MA-27

WELL# NEBU. 446, 46

Ks 32 131-R-7

[illegible]

LER

INSPECTOR

*MJM*