

30-045-25093

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

MA-28

4266

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

Name of Well/Wells or Pipeline Served NEBU 54A

Elevation 6320' Completion Date 9-24-93 Total Depth 490' Land Type* Surface: BOR 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, 250'

Depths gas encountered: N/A

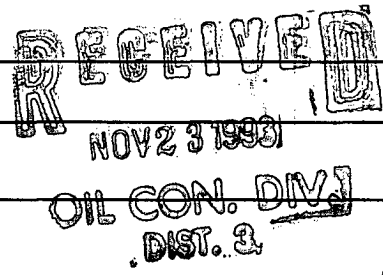
Type & amount of coke breeze used: Asbury Carbon - 6,950#

Depths anodes placed: 146' - 443'

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

Vent pipe perforations: Bottom - 360'

Remarks: Groundbed located 234', North 152' East of NEBU 54A. 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.: W93-389

Standard A.P.I. Water Analysis Report

Collected By: J. Evans

Company: Blackwood and Nichols Co.

Collection Date: 9/23/93

Well Name: MA #28

Collection Time: Unknown

Formation: Groundbed while drilling

County: Unknown State: Unknown

Location: Unknown

Analyst: K. Lambdin & S. Spencer

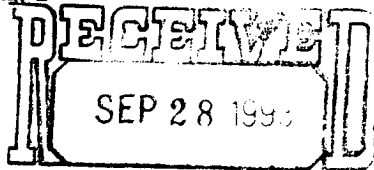
Remarks: 300 feet.

Analysis Date: 9/26/93

S. Spencer

PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	280 mg/l		Chloride, Cl	20 mg/l	
Potassium, K	10 mg/l		Sulfate, SO ₄	1960 mg/l	
Calcium, Ca	530 mg/l		Hydroxide, OH	0 mg/l	
Magnesium, Mg	80 mg/l		Carbonate, CO ₃	0 mg/l	
Iron, Fe (Total)	0 mg/l	NR	Bicarbonate, HCO ₃	370 mg/l	
Hydrogen Sulfide	0 mg/l	<0.1	Resistivity	3.012 ohm-m	
pH	7.01 Units		(@ 25 Degrees C)		
TDS	2,220 mg/l		Conductivity	3,320 uS	
			Specific Gravity	1.000 Units	
			(@ 60 Degrees F)		

Remarks: None.

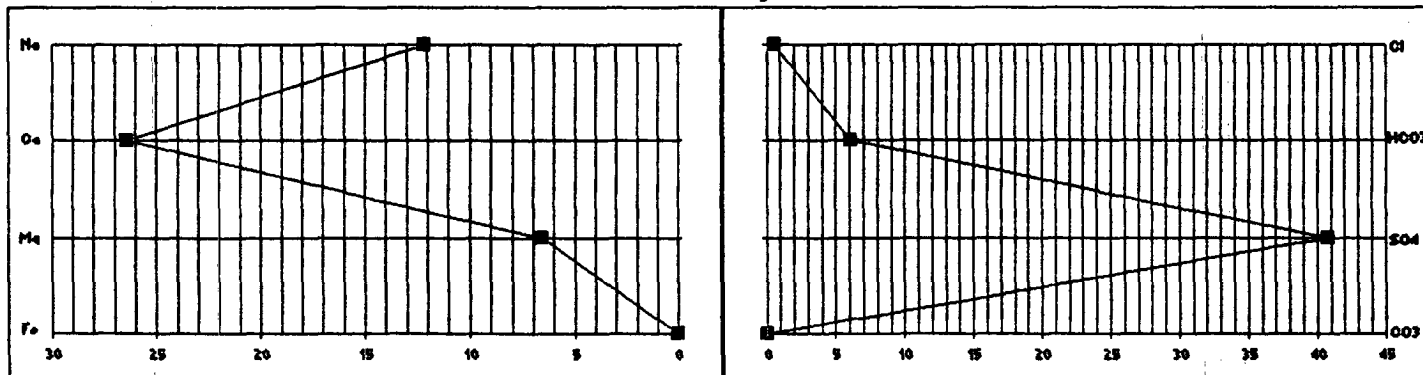


NR = Test Not Run

BLACKWOOD & NICHOLS CO.

Anion/Cation: 104.3%

Stiff Diagram



Scale: Meq/L

BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

A-28 WELL# NEB# 54A

S 33 T 31N /

[illegible]

LER same meeting

INSPECTOR Joe Matyssek

CATHODIC GROUND BED DRILLERS REPORT

WELL# NFB U. #54A

O S 33 T 31 -

[illegible]