

30-045-10115

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

MA-29

4267

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

Name of Well/Wells or Pipeline Served NEBU 54

Elevation 6320' Completion Date 6-24-93 Total Depth 490' 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, 240'

Depths gas encountered: N/A

Type & amount of coke breeze used: Asbury - 5,000#

Depths anodes placed: 185' - 365' (10)

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

Vent pipe perforations: Bottom - 280'

Remarks: Groundbed located 94', & 62° East of North NEBU 54 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.: W93-391

Standard A.P.I. Water Analysis Report

Collected By: J. Evans

Company: Blackwood and Nichols Co.

Collection Date: 9/23/93

Well Name: MA #29

Collection Time: Unknown

Formation: Groundbed while drilling

County: Unknown State: Unknown

Location: Unknown

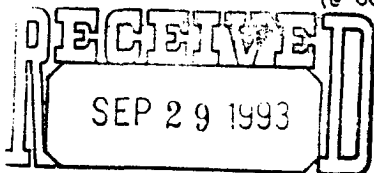
Analyst: K. Lambdin & S. Spencer

Remarks: 280 feet

Karen C Lambdin
Analysis Date: 9/28/93

PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	370 mg/l		Chloride, Cl	16 mg/l	
Potassium, K	22 mg/l		Sulfate, SO ₄	2190 mg/l	
Calcium, Ca	600 mg/l		Hydroxide, OH	0 mg/l	
Magnesium, Mg	30 mg/l		Carbonate, CO ₃	0 mg/l	
Iron, Fe (Total)	0 mg/l	NR	Bicarbonate, HCO ₃	246 mg/l	
Hydrogen Sulfide	0 mg/l	<0.1	Resistivity	2.747 ohm-m	
pH	7.88 Units		(@25 Degrees C)		
TDS	2,460 mg/l		Conductivity	3,640 uS	
			Specific Gravity	1.000 Units	
			(@ 60 Degrees F)		

Remarks: None.

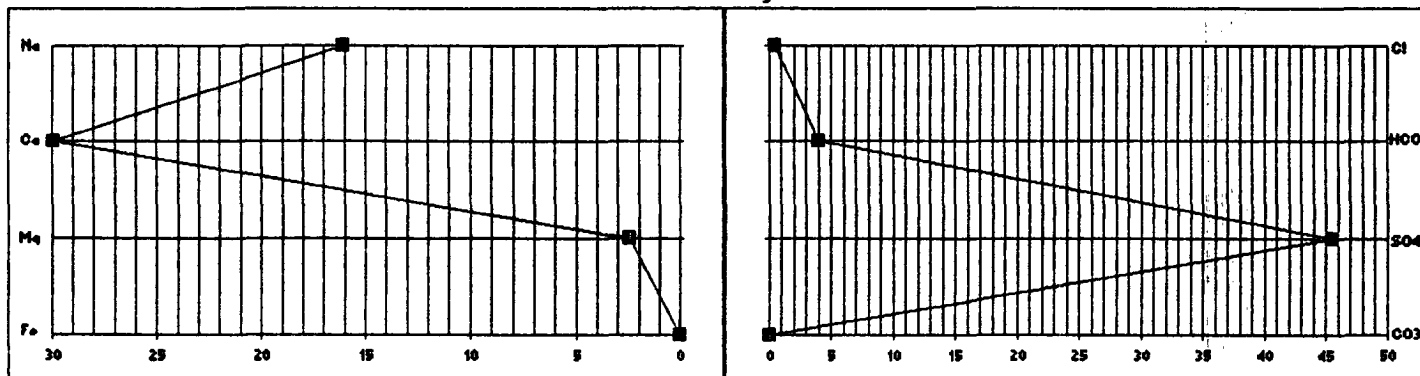


NR = Test Not Run

BLACKWOOD & NICHOLS CO., LTD.

Anion/Cation: 102.0%

Stiff Diagram



Scale: Meq/L

BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

429 WELL# NER# 54

S 33 T 3/11/74

[illegible]

ER Jose Martinez

INSPECTOR Joe Matyssek

CATHODIC GROUND BED DRILLERS REPORT

NA-29 WELL# N.F.B.U. #54

H s 33 T 31

[illegible]

LER

INSPECTOR

MDT