

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS

MA-14

NORTHWESTERN NEW MEXICO
(Submit 3 Copies to OCD Aztec Office)

4277

Operator: BLACKWOOD & NICHOLS CO. Location: Unit C, Sec. 29, Twp 31N, Rng 7W.Name of Well/Wells or Pipeline Serviced NEBU 51A

30-045-23091

Elevation 6350' Completion Date 9-22-93 Total Depth 470' Land Type* Surface: F Mineral: SF-079045Casing, Sizes, Types & Depths 8-5/8" SCH 40 P.V.C. - 100', 7-7/8" Open HoleIf Casing is cemented, show amounts & types used 20 sks Portland Zia I-IIIf 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. Water at 330'.Depths gas encountered: N/ARECEIVED
NOV 23 1993Type & amount of coke breeze used: 93 sx Asbury Flo-CokeON. DIV.
ST. 3Depths anodes placed: 132' - 351'Depths vent pipes placed: 370' to 4' Above Ground LevelVent pipe perforations: 110' - 370'Remarks: Groundbed located 185' N 60° W of NEBU 51A. 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. AlbTitle: Operations EngineerDate: 11/19/93



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

Lab Sample No.: W93-387

Standard A.P.I. Water Analysis Report

Collected By: J. Evans

Company: Blackwood and Nichols Co.

Collection Date: 9/21/93

Well Name: MA #14

Collection Time: Unknown

Formation: Groundbed while drilling

County: Unknown State: Unknown

Location: Unknown

Analyst: K. Lambdin & S. Spencer

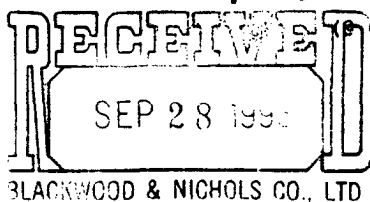
Remarks: 370 feet.

Analysis Date: 9/26/93

S. Spencer

PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	230	mg/l	Chloride, Cl	35	mg/l
Potassium, K	40	mg/l	Sulfate, SO ₄	2540	mg/l
Calcium, Ca	700	mg/l	Hydroxide, OH	0	mg/l
Magnesium, Mg	160	mg/l	Carbonate, CO ₃	0	mg/l
Iron, Fe (Total)	0	mg/l NR	Bicarbonate, HCO ₃	180	mg/l
Hydrogen Sulfide	0	mg/l <0.1	Resistivity	2.326	ohm-m
pH	7.86	Units	(@25 Degrees C)		
TDS	2,880	mg/l	Conductivity	4,300	uS
			Specific Gravity	1.000	Units
			(@60 Degrees F)		

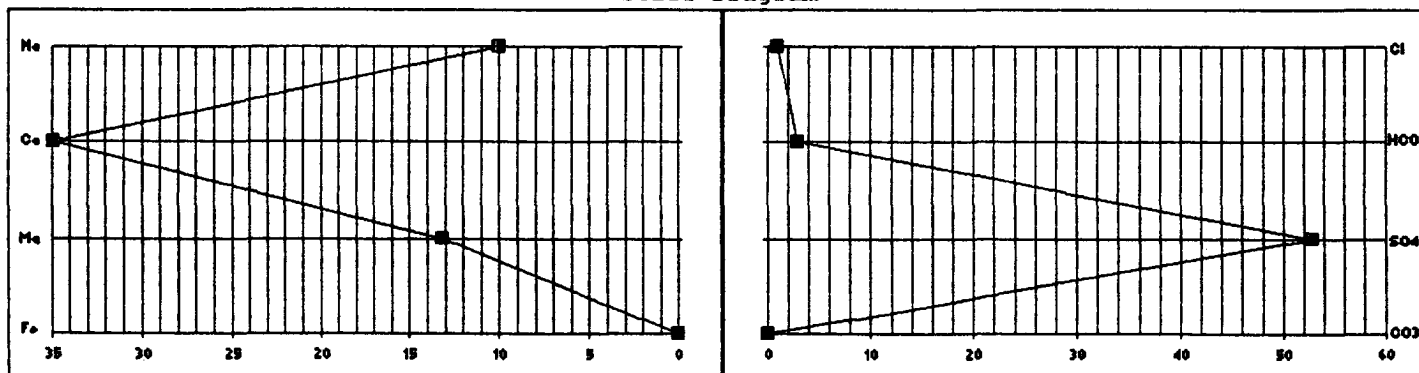
Remarks: None.



NR = Test Not Run

Anion/Cation: 96.0%

Stiff Diagram



Scale: Meq/L

BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

MA-14 WELL# NEBU#57A

S 29 T 31N

[illegible]

CLER James Montgomery

INSPECTOR Joe Matysek

BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

MA#14 WELL# NEBU # 51A

S 29 T 31

[illegible]

LLER

INSPECTOR _____