

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS

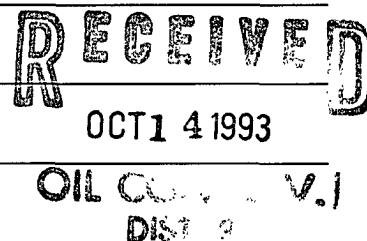
MB-12

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

30-045-25358

Operator: BLACKWOOD & NICHOLS CO. Location: Unit I, Sec. 27, Twp 31N, Rng 7W.Name of Well/Wells or Pipeline Serviced NEBU 70AElevation 6370' Completion Date 8-22-93 Total Depth 370' Land Type* Surface: F Mineral: SF-079003Casing, 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-II - 90# ea.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. Fresh, water sample from 260' while drilling.Depths gas encountered: N/AType & amount of coke breeze used: Asbury Graphite Flo-Coke - 3,900#Depths anodes placed: 177' - 300'Depths vent pipes placed: TD to SurfaceVent pipe perforations: TD - 110'Remarks: Groundbed is located 145' N 42° E of NEBU #70A.

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. AllenTitle: Operations EngineerDate: 10/12/93



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

Lab Sample No.: W93-314

Standard A.P.I. Water Analysis Report

Collected By: J. Evans

Company: Blackwood and Nichols Co.

Collection Date: 8/19/93

Well Name: MB #12

Collection Time: Unknown

Formation: Surface

County: San Juan State: NM

Location: (I) Sec. 27-T31N-R7W

Analyst: K. Lambdin *Karen Lamb*

Remarks: Groundbed while drilling; NEBU #70A

Analysis Date: 8/22/93

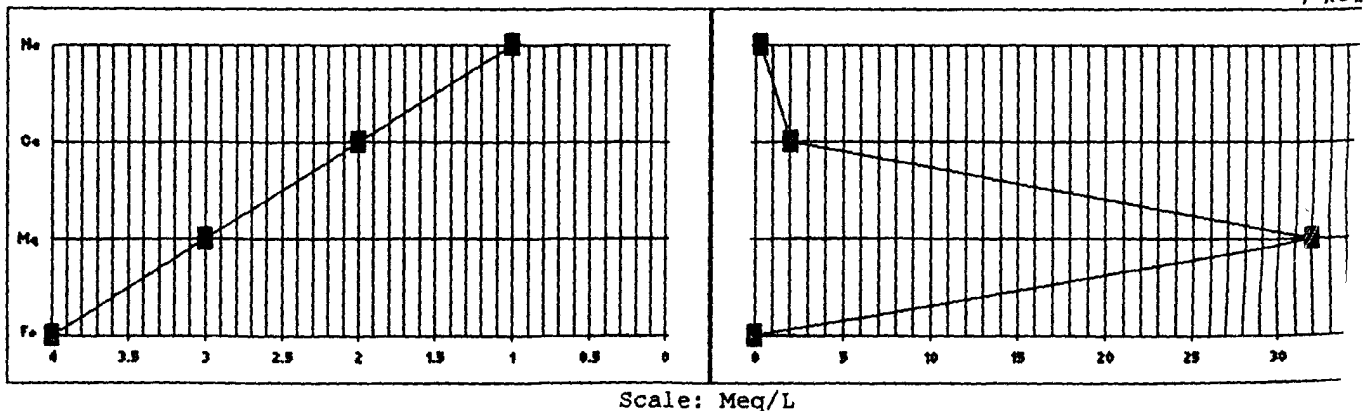
PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	100 mg/l		Chloride, Cl	12 mg/l	
Potassium, K	14 mg/l		Sulfate, SO ₄	1540 mg/l	
Calcium, Ca	615 mg/l		Hydroxide, OH	0 mg/l	
			Carbonate, CO ₃	0 mg/l	
Magnesium, Mg	40 mg/l		Bicarbonate, HCO ₃	125 mg/l	
Iron, Fe (Total)	0.0 mg/l	NR	Resistivity	3.521 ohm-m	(@ 25 Degrees C)
Hydrogen Sulfide	0 mg/l	< 0.1	Conductivity	2,840 uS	
pH	7.72 Units		Specific Gravity	1.000 Units	(@ 60 Degrees F)
TDS	1,900 mg/l				

Remarks: None.

NR = Test Not Run

Anion/Cation: 97.97%

Stiff Diagram



BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

#MB-12 WELL#NEBU#70A

S 27 T3/11 R

[illegible]

ILLER Jesse Norton

INSPECTOR Joe Matyszek

BLACKHOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

NP-12 WELL# NEBU # 70A

S 27 T 31

[illegible]

LLER

INSPECTOR