

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS

MA-17

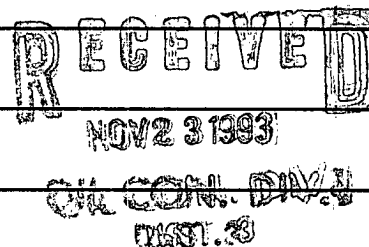
NORTHWESTERN NEW MEXICO
(Submit 3 Copies to OCD Aztec Office)

30-045-25360

3591

Operator: BLACKWOOD & NICHOLS CO. Location: Unit O, Sec. 29, Twp 31N, Rng 7W.Name of Well/Wells or Pipeline Serviced NEBU 72AElevation 6440' Completion Date 9-26-93 Total Depth 370' 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. Clear, 250'.Depths gas encountered: N/AType & amount of coke breeze used: Asbury 4,500#Depths anodes placed: 222' - 328'Depths vent pipes placed: Bottom to 4' Above Ground LevelVent pipe perforations: Bottom - 260'Remarks: Groundbed located 149' 120° SE of North of NEBU 72A 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. AllenTitle: Operations EngineerDate: 11/22/93



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

Lab Sample No.: W93-390

Standard A.P.I. Water Analysis Report

Collected By: J. Evans

Company: Blackwood and Nichols Co.

Collection Date: 9/26/93

Well Name: MA #17

Collection Time: Unknown

Formation: Groundbed

County: Unknown State: Unknown

Location: Unknown

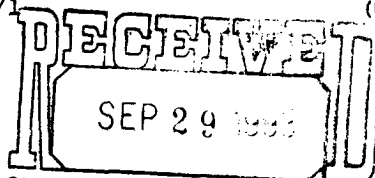
Analyst: K. Lambdin & S. Spencer

Remarks: 360 feet -- Sampled with thief

Analysis Date: 9/28/93

PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	210 mg/l		Chloride, Cl	8 mg/l	
Potassium, K	5 mg/l		Sulfate, SO ₄	425 mg/l	
Calcium, Ca	20 mg/l		Hydroxide, OH	0 mg/l	
Magnesium, Mg	10 mg/l		Carbonate, CO ₃	12 mg/l	
Iron, Fe (Total)	0 mg/l	NR	Bicarbonate, HCO ₃	67 mg/l	
Hydrogen Sulfide	0 mg/l	<0.1	Resistivity	8.681 ohm-m	
pH	8.85 Units		(@25 Degrees C)		
TDS	769 mg/l		Conductivity	1,152 uS	
			Specific Gravity	1.000 Units	
			(@ 60 Degrees F)		

Remarks: None.



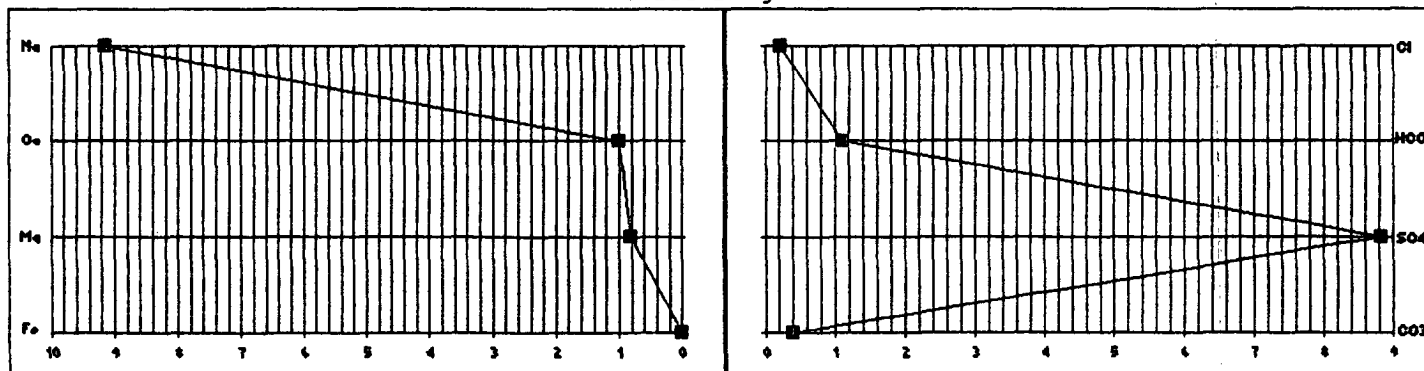
BLACKWOOD & NICHOLS CO., LTD

NR = Test Not Run

Anion/Cation:

95.3%

Stiff Diagram



Scale: Meq/L

BLACKWOOD & NICHOLS
CATHODIC GROUND BED
DRILLERS REPORT

#MA-17 WELL #NERU#72A

S 29 T 31M

[illegible]

ILLER Gene Markov

INSPECTOR Joe Matyssek

BLACKHOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

7A-17 WELL# N.E.B.U.

OS 29 T 31

[illegible]

ER 07

INSPECTOR *THM.*