

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS

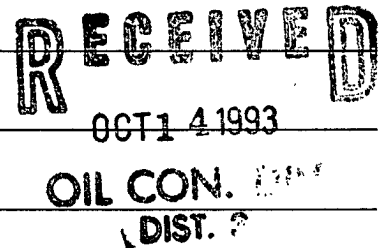
MC-4

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

30-045-27710

Operator: BLACKWOOD & NICHOLS CO. Location: Unit L, Sec. 13, Twp 31N, Rng 7W.Name of Well/Wells or Pipeline Serviced NEBU 498Elevation 6400'± Completion Date 8-18-93 Total Depth 330' Land Type* Surface: F Mineral: NM-03358Casing, 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

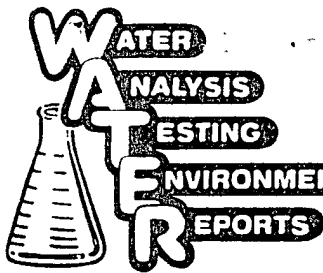
Depths & thickness of water zones with description of water when possible:

Fresh, Clear, Salty, Sulphur, Etc. Fresh, water at 256'.Depths gas encountered: N/AType & amount of coke breeze used: 68 sx Asbury flo-coke.Depths anodes placed: 208' - 314'Depths vent pipes placed: 330' to 4' above ground level.Vent pipe perforations: 110' - 330'Remarks: Groundbed is located at 155' N 94° E of NEBU #498.

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 Engineer Date: 10/12/93



1115 Farmington Avenue - Farmington, NM 87401
 (505) 325-1085
 AUG 23 1993
 BLACKWOOD & NICHOLS CO., LTD.
 Standard A.P.I. Water Analysis Report

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

Lab Sample No.: W93-299

Collected By: J. Evans

Company: Blackwood and Nichols Co.

Collection Date: 16-Aug-93

Well Name: MC #4

Collection Time: Unknown

Formation: Surface

County: San Juan State: NM

Location: (L) Sec. 13-T31N-R7W

Analyst: S. Spencer

Remarks: Groundbed at 237' after 1 day.

NEBU #498

Analysis Date: 8/19/93

S. Spencer

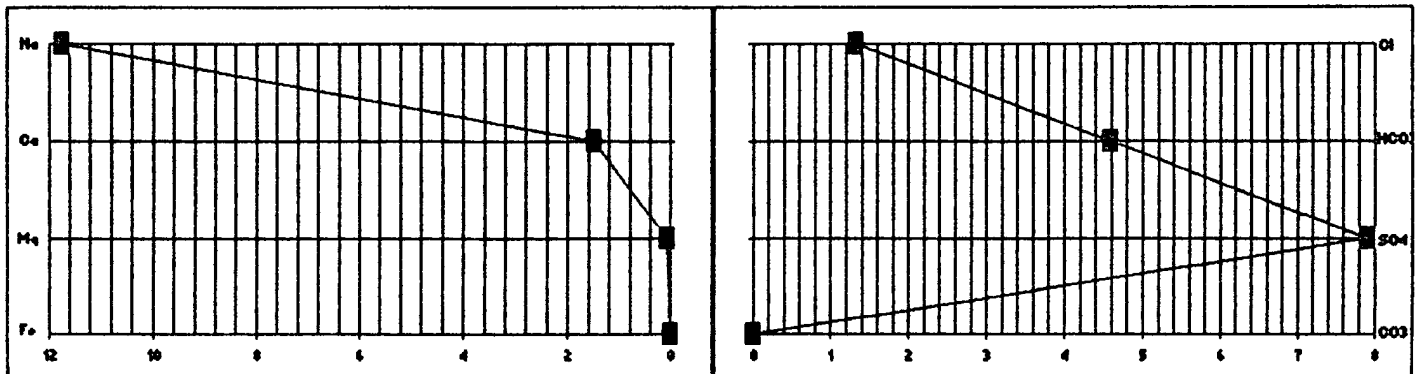
PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	<u>270</u> mg/l		Chloride, Cl	<u>47</u> mg/l	
Potassium, K	<u>4</u> mg/l		Sulfate, SO ₄	<u>380</u> mg/l	
Calcium, Ca	<u>30</u> mg/l		Hydroxide, OH	<u>0</u> mg/l	
Magnesium, Mg	<u>1</u> mg/l		Carbonate, CO ₃	<u>0</u> mg/l	
Iron, Fe (Total)	<u>0.0</u> mg/l	NR	Bicarbonate, HCO ₃	<u>280</u> mg/l	
Hydrogen Sulfide	<u>0</u> mg/l	<0.1	Resistivity	<u>8.410</u> ohm-m	
pH	<u>7.70</u> Units		(@25 Degrees C)		
TDS	<u>798</u> mg/l		Conductivity	<u>1,189</u> uS	
			Specific Gravity	<u>1.000</u> Units	
			(@ 60 Degrees F)		

Remarks: None.

NR = Test Not Run

Anion/Cation: 102.9%

Stiff Diagram



BLACKWOOD & NICHOLS CATHODIC GROUND 'BED DRILLERS REPORT'

WELL # MC-4 WELL # NEBU # 498

S 13 T 31N R 7

DEPTH	STRATA	NOTES	DEPTH	STRATA	NOTES
5'					
10'					
15'	↗				
20'	↗				
25'	↗				
30'	↗				
35'					
40'	↘				
45'					
50'					
55'					
60'	↘				
65'	↘				
70'	↘				
75'	↘				
80'	↘				
85'					
90'					
95'					
100'	↘				

RILLER George Muntz

INSPECTOR Joe Matyssek

BLACKWOOD & NICHOLS
CATHODIC GROUND BED
DRILLERS REPORT

P# MC#4 WELL# NEBIA # 498

S 13 T 31 I

[illegible]

RILLER

INSPECTOR