

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS

MD-5

NORTHWESTERN NEW MEXICO

(Submit 3 Copies to OCD Aztec Office)

33-

30-045-10867

208-30-045-24855

Operator: BLACKWOOD & NICHOLS CO. Location: Unit N, Sec. 12, Twp 31N, Rng 7W.Name of Well/Wells or Pipeline Served NEBU 33, 208Elevation 6560' Completion Date 8-10-93 Total Depth 380' 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

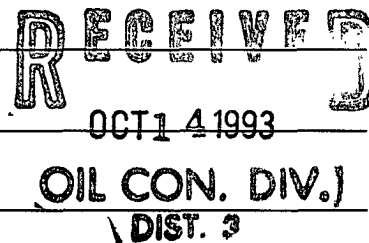
Depths & thickness of water zones with description of water when possible:

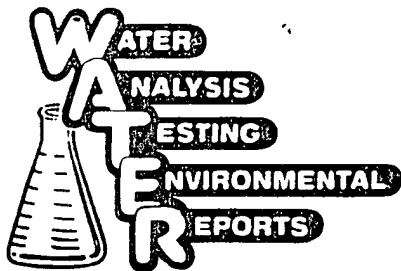
Fresh, Clear, Salty, Sulphur, Etc. Fresh, 190'Depths gas encountered: N/AType & amount of coke breeze used: Asbury 4,075#Depths anodes placed: 230' - 358'Depths vent pipes placed: TD to 4' above ground level.Vent pipe perforations: Bottom - 280'Remarks: Groundbed is located at 48° from North - 170' from 208 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: 10/12/93



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

Lab Sample No.: W93-285

Standard A.P.I. Water Analysis Report

Collected By: MDM

Company: Blackwood and Nichols Co.

Collection Date: 10-Aug-93

Well Name: MD - 5

Collection Time: 10:11 AM

Formation: Surface - 190'

County: San Juan State: NM

Location: Sec. 12-T31N-R7W

Analyst: S. Spencer

Remarks: NEBU #33, #208

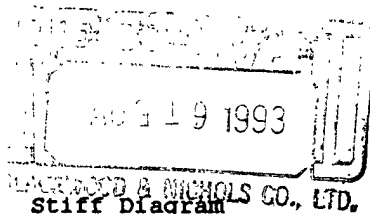
Analysis Date: 8/16/93

S. Spencer

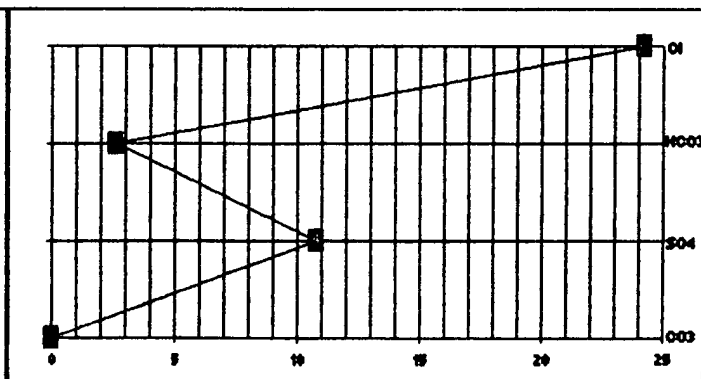
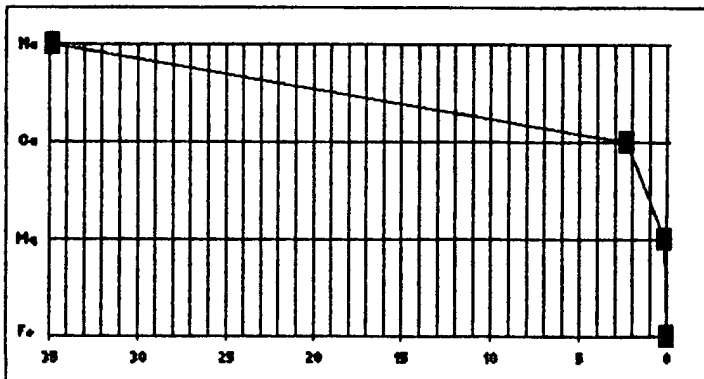
PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	800 mg/l		Chloride, Cl	860 mg/l	
Potassium, K	6 mg/l		Sulfate, SO ₄	520 mg/l	
Calcium, Ca	46 mg/l		Hydroxide, OH	0 mg/l	
Magnesium, Mg	2 mg/l		Carbonate, CO ₃	0 mg/l	
Iron, Fe (Total)	0.0 mg/l	NR	Bicarbonate, HCO ₃	160 mg/l	
Hydrogen Sulfide	0 mg/l	<0.1	Resistivity	2.653 ohm-m	
pH	7.86 Units		(@25 Degrees C)		
TDS	2,520 mg/l		Conductivity	3,770 uS	
			Specific Gravity	1.000 Units	
			(@ 60 Degrees F)		

Remarks: None.

NR = Test Not Run



Anion/Cation: 100.7%



Scale: Meq/L

BLACKWOOD & NICHOLS
CATHODIC GROUND BED
DRILLERS REPORT

CP# MD-5 WELL# NEBU#208433

S 12 T 31 N R 2

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'					

DRILLER Gene Martine

INSPECTOR Joe Matyszek

BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

P# MD-5 WELL# N.F.B. U # 33, # 208

N S 12 T 31 R;

[illegible]

RILLER PJL

INSPECTOR WIM