

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 Serviced 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

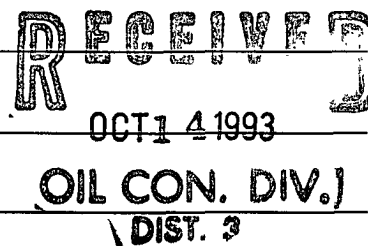
Depths & thickness of water zones with description of water when possible:

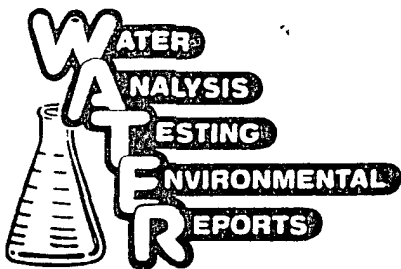
Fresh, Clear, Salty, Sulphur, Etc. Fresh, 190'Depths gas encountered: N/AType & amount of coke breeze used: Asbury 4,075#Depths anodes placed: 230' - 358'Depths vent pipes placed: TD to 4' above ground level.Vent pipe perforations: Bottom - 280'Remarks: Groundbed is located at 48° from North - 170' from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

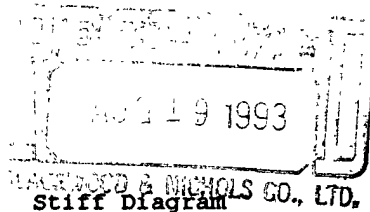
Analysis Date: 8/16/93

S. Spencer

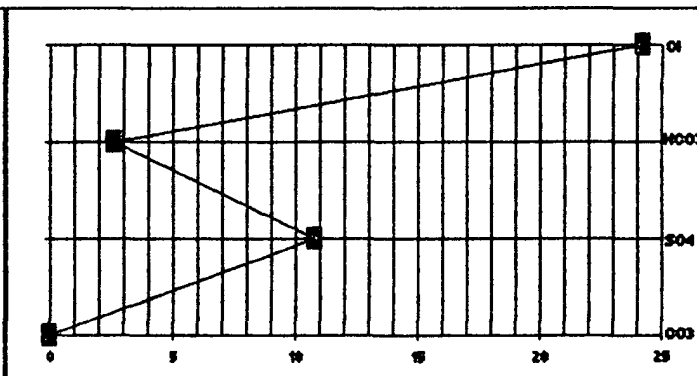
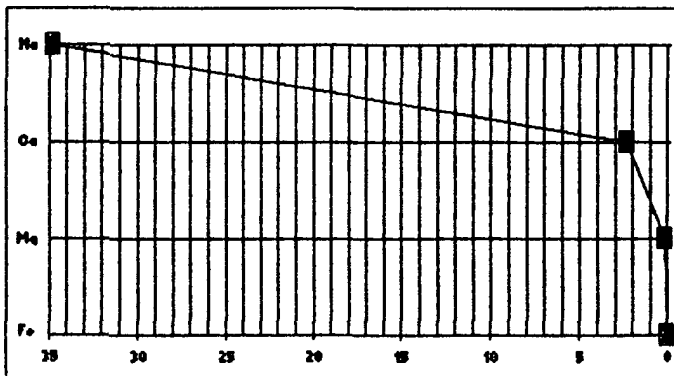
PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium , Na	800	mg/l	Chloride , Cl	860	mg/l
Potassium, K	6	mg/l	Sulfate, SO ₄	520	mg/l
Calcium , Ca	46	mg/l	Hydroxide, OH	0	mg/l
Magnesium , Mg	2	mg/l	Carbonate, CO ₃	0	mg/l
Iron, Fe (Total)	0.0	mg/l NR	Bicarbonate, HCO ₃	160	mg/l
Hydrogen Sulfide	0	mg/l <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'	<div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);"> NO. 1 SANDS 15' to 30' </div> <div style="margin-left: 10px;"> ↑ ↓ </div> </div>				
20'					
25'					
30'					
35'					
40'					
45'					
50'					
55'					
60'	E				
65'	L				
70'	A				
75'	H				
80'	S				
85'					
90'					
95'					
100'	↓				

DRILLER Gene Martiney

INSPECTOR Joe Matyssek

BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

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

N_S 12 T 31 R

[illegible]RILLER 10F

INSPECTOR