

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 Copies to OCD Aztec Office)

MD-11

Operator: BLACKWOOD & NICHOLS CO. Location: Unit A, Sec. 24²⁴, Twp 31N, Rng 7W.

Name of Well/Wells or Pipeline Served NEBU 428, 59

428- 30045-27487 59- 30-045-10589

Elevation 6460 Completion Date 8-5-93 Total Depth 510' Land Type* Surface: F Mineral: SF-079010

Casing, Sizes, Types & Depths 8-5/8" SCH 40 P.V.C. - 100', 7-7/8" Open Hole

If 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. Water sample taken from a depth of 475'

Depths gas encountered: N/A

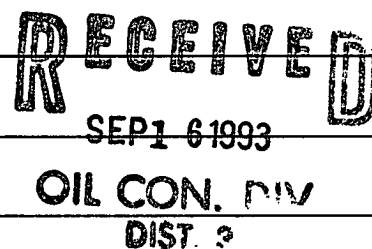
Type & amount of coke breeze used: 141 sx Asbury Recarburized Flo-Coke.

Depths anodes placed: 148' - 470'

Depths vent pipes placed: 510' to 4' above ground level

Vent pipe perforations: 110' - 510'

Remarks: Ground bed is located 117' S 27° E of NEBU #428.



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. Allen

Title: Operations Engineer Date: 8/27/93



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

Lab Sample No.: W93-278

Standard A.P.I. Water Analysis Report

Collected By: J. Evans

Company: Blackwood and Nichols Co.

Collection Date: 5-Aug-93

Well Name: MD-11

Collection Time: Unknown

Formation: Surface

County: San Juan State: NM

Location: (A) Sec. 34-T31N-R7W

Analyst: K. Lambdin & S. Spencer

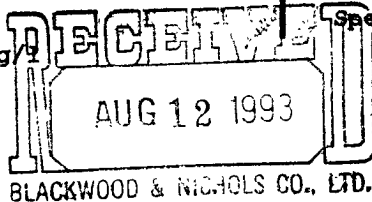
Remarks: Groundbed at depth of 475 feet
NEBU #428, #59

Analysis Date: 8/10/93

Karen Lambdin / cad

PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	<u>300</u> mg/l	Calculated.	Chloride, Cl	<u>21</u> mg/l	
Potassium, K	<u>4</u> mg/l		Sulfate, SO ₄	<u>918</u> mg/l	
Calcium, Ca	<u>195</u> mg/l		Hydroxide, OH	<u>0</u> mg/l	
Magnesium, Mg	<u>16</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>5.580</u> ohm-m	
pH	<u>7.48</u> Units		(@25 Degrees C)		
TDS	<u>1,188</u> mg/l		Conductivity	<u>1,792</u> uS	
			Specific Gravity	<u>1.000</u> Units	
			(@ 60 Degrees F)		

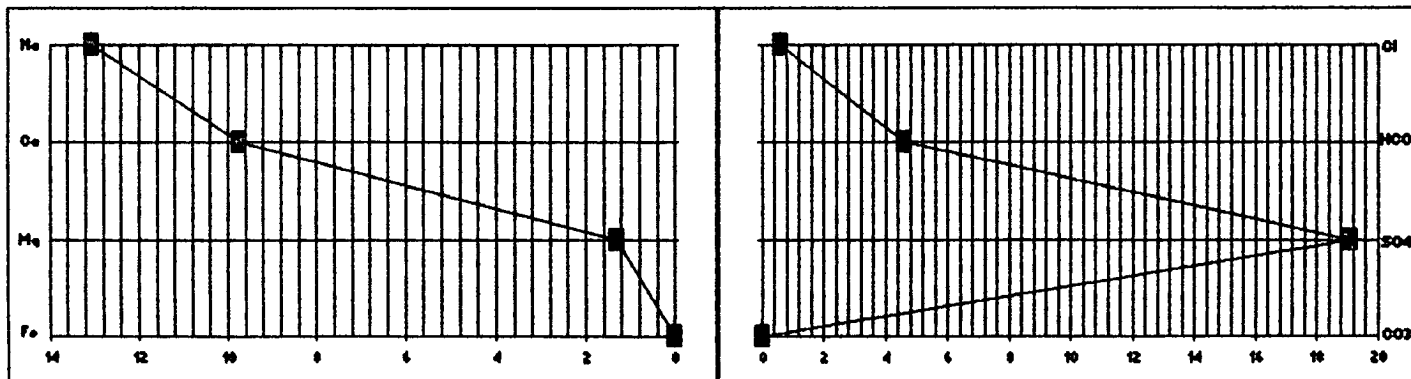
Remarks: None.



NR = Test Not Run

Anion/Cation: 100.3%

Stiff Diagram



/

S 24 T 31N R 7

RILLER Jose Martinez

INSPECTOR Joe Matyszek

BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

CP# MD#11 WELL# NEBU#428+59

S 34 T 31 R '

[illegible]

DRILLER

INSPECTOR