

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

ME-5

Operator: BLACKWOOD & NICHOLS CO. Location: Unit A, Sec. 7, Twp 31N, Rng 6W.

Name of Well/Wells or Pipeline Served NEBU 460, 60

460-30-045-21539 60-30-045-10938

Elevation 6380 Completion Date 8-2-93 Total Depth 370' Land Type* Surface: F Mineral: SF-078988

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. Fresh, Water sample from 150'.

Depths gas encountered: N/A

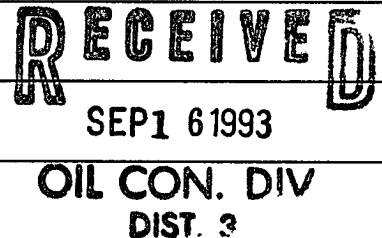
Type & amount of coke breeze used: 100 sx Asbury Recarburized Flo-Coke.

Depths anodes placed: 245' - 345'

Depths vent pipes placed: 370' to 4' above ground level

Vent pipe perforations: 110' - 370'

Remarks: Ground bed is located 195' S 57° E of NEBU #460.



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.: W93-257

Standard A.P.I. Water Analysis Report

Collected By: J. Evans

Company: Blackwood and Nichols Co.

Collection Date: 28-Jul-93

Well Name: NEBU #460 & #60 ME-5

Collection Time: Unknown

Formation: Surface

County: San Juan State: NM

Location: (A) Sec. 7-T31-R6

Analyst: K. Lambdin & S. Spencer

Remarks: Water from groundbed at depth of 150 feet.

Analysis Date: 8/2/93

S. Spencer

PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	<u>240</u> mg/l	calculated	Chloride, Cl	<u>30</u> mg/l	
Potassium, K	<u>3</u> mg/l	<10	Sulfate, SO ₄	<u>120</u> mg/l	
Calcium, Ca	<u>10</u> mg/l		Hydroxide, OH	<u>0</u> mg/l	
Magnesium, Mg	<u>3</u> mg/l	<5	Carbonate, CO ₃	<u>49</u> mg/l	
Iron, Fe (Total)	<u>0.0</u> mg/l	NR	Bicarbonate, HCO ₃	<u>379</u> mg/l	
Hydrogen Sulfide	<u>0</u> mg/l	NR	Resistivity	<u>8.432</u> ohm-m	
pH	<u>8.50</u> Units		(@25 Degrees C)		
TDS	<u>790</u> mg/l		Conductivity	<u>1,186</u> uS	
			Specific Gravity	<u>1.000</u> Units	
			(@ 60 Degrees F)		

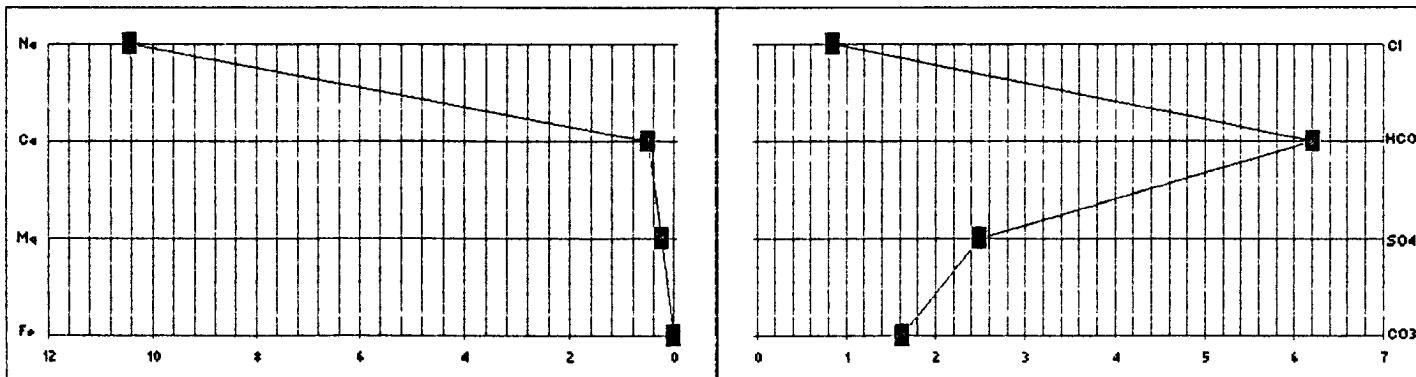
RECEIVED
AUG 4 1993
BLACKWOOD & NICHOLS CO., LTD.

Remarks: Sample contained a large quantity of fine silt.
H₂S not run due to cloudiness of sample.

NR = Test Not Run

Anion/Cation: 99.3%

Stiff Diagram



BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

P# ME-5 WELL# NEBH# 460960

S 07 T 31N R 64

[illegible]

RILLER Gene Martin

INSPECTOR Joe Watson

BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

CP# ME-5 WELL# NEBU #460, #60

S 7 T 31 R

[illegible]

DRILLER

INSPECTOR J. J.