

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

ME-1

Operator: BLACKWOOD & NICHOLS CO. Location: Unit N, Sec. 1, Twp 31N, Rng 7W.

Name of Well/Wells or Pipeline Served NEBU 462, 204, 63

462-30-045-27536 204-30-045-23480 63-30-045-22042

Elevation \_\_\_\_\_ Completion Date 8-4-93 Total Depth 460' Land Type\* Surface: P Mineral: Fee

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, Damp at 140', water at 240' and 325'

Depths gas encountered: N/A

Type & amount of coke breeze used: Asbury 6,700#

Depths anodes placed: 430' - 240'

Depths vent pipes placed: Drilled TD 400' to 5' above ground level

Vent pipe perforations: Bottom 360'

Remarks: Ground bed is located 286' N and 168' from #462 wellhead..

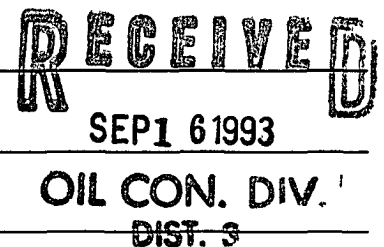
If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

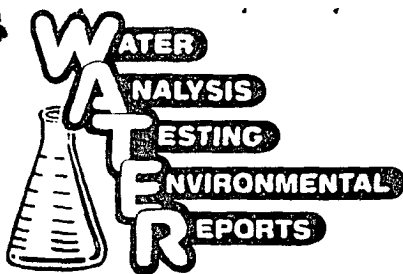
\*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.  
If Federal or Indian, add Lease Number.

Signed by: James K. Allen

Title: Operations Engineer

Date: 8/27/93





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

Lab Sample No.: W93-268

Standard A.P.I. Water Analysis Report

Collected By: M.D.M.

Company: Blackwood and Nichols Co.

Collection Date: 4-Aug-93

Well Name: NEBU #462, #204, #63 ME-(

Collection Time: 11:56 AM

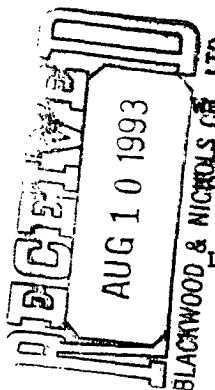
Formation: Surface

County: San Juan State: NM

Location: (N) Sec. 27-T31N-R7W

Analyst: K. Lambdin & S. Spencer

Remarks: ME - 1 Ink ran on label--very difficult to read. Analysis Date: 8/8/93



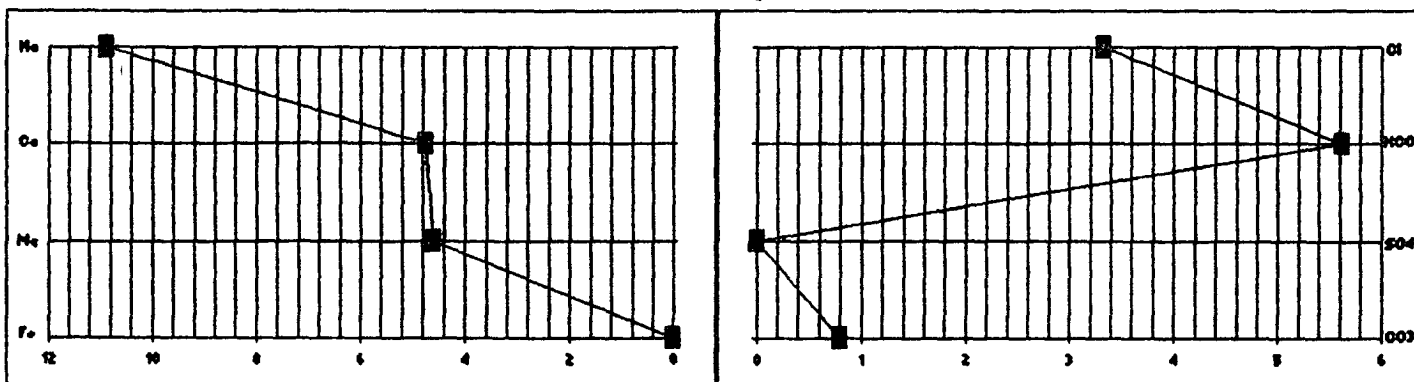
| PARAMETER        | as ION     | Comment | PARAMETER         | as ION      | Comment |
|------------------|------------|---------|-------------------|-------------|---------|
| Sodium, Na       | 250 mg/l   |         | Chloride, Cl      | 118 mg/l    |         |
| Potassium, K     | 0 mg/l     | <5      | Sulfate, SO4      | 0 mg/l      | NR      |
| Calcium, Ca      | 95 mg/l    |         | Hydroxide, OH     | 0 mg/l      |         |
| Magnesium, Mg    | 56 mg/l    |         | Carbonate, CO3    | 24 mg/l     |         |
| Iron, Fe (Total) | 0.0 mg/l   | NR      | Bicarbonate, HCO3 | 343 mg/l    |         |
| Hydrogen Sulfide | 0 mg/l     | NR      | Resistivity       | 9.091 ohm-m |         |
| pH               | 8.80 Units |         | (@25 Degrees C)   |             |         |
| TDS              | 740 mg/l   |         | Conductivity      | 1,100 uS    |         |
|                  |            |         | Specific Gravity  | 1.000 Units |         |
|                  |            |         | (@ 60 Degrees F)  |             |         |

Remarks: Very muddy sample--Stiff Diagram & Anion/Cation Balance invalid as a Sulfate reading was impossible to obtain due to the amount of unfilterable silt in water. H2S was not run for the same reason.

NR = Test Not Run

Anion/Cation: 48.2%

Stiff Diagram



Scale: Meq/L



# BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

CP# ME-1 WELL# NEBU.

N<sub>S</sub> 1 T 31 R

[illegible]

DRILLER 

INSPECTOR *MDM-*