

## DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS

P-22

NORTHWESTERN NEW MEXICO  
(Submit 3 Copies to OCD Aztec Office)

3580

Operator: BLACKWOOD & NICHOLS CO. Location: Unit B, Sec. 31, Twp 31N, Rng 7W.Name of Well/Wells or Pipeline Served NEBU 455, 38 30-045-27245, 30-045-10216Elevation 6300' Completion Date 11-4-93 Total Depth 495' Land Type\* Surface: F Mineral: SF-079043Casing, 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 &amp; thickness of water zones with description of water when possible:

Fresh, Clear, Salty, Sulphur, Etc. Water at 380'.Depths gas encountered: N/AType & amount of coke breeze used: Asbury Graphite Flo-Coke. 6150 #Depths anodes placed: 310' - 430'Depths vent pipes placed: Bottom to 4' above ground level.Vent pipe perforations: Bottom - 380'Remarks: Groundbed is located at 141' N 22° W of NEBU #455.

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JAN 03 1994

OIL CON. DIV.  
DIST. 8

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. AhlbergTitle: Operations Engineer Date: 12-22-93



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

Lab Number:

W93-464

Standard A.P.I. Water Analysis Report

Company: BLACKWOOD & NICHOLS CO., LTD. Date Collected: 11/1/93  
Well Name: P-22 Date Received: 11/3/93  
Formation: SURFACE Date Analyzed: 11/10/93  
Location: NOT AVAILABLE County: San Juan State: New Mexico  
Collected By: J. EVANS Analyst: Sheila Feltman  
Remarks: GRONDBED @ 380'

| PARAMETER        | as ION     | Comment   | PARAMETER                     | as ION      | Comment |
|------------------|------------|-----------|-------------------------------|-------------|---------|
| Sodium, Na       | 130 mg/l   |           | Chloride, Cl                  | 18 mg/l     |         |
| Potassium, K     | 15 mg/l    |           | Sulfate, SO <sub>4</sub>      | 2150 mg/l   |         |
| Calcium, Ca      | 690 mg/l   |           | Hydroxide, OH                 | 0 mg/l      |         |
| Magnesium, Mg    | 29 mg/l    |           | Carbonate, CO <sub>3</sub>    | 0 mg/l      |         |
| Iron, Fe (Total) | 0 mg/l     | NR        | Bicarbonate, HCO <sub>3</sub> | 220 mg/l    |         |
| Hydrogen Sulfide | 0 mg/l     | <0.1 mg/L | Resistivity                   | 3.096 ohm-m |         |
| pH               | 7.8 units  |           | (@25 Degrees C)               |             |         |
| TDS              | 3,200 mg/l |           | Conductivity                  | 3,230 uS    |         |
|                  |            |           | Specific Gravity              | 1.0053      |         |
|                  |            |           | (@ 60 Degrees F)              |             |         |

Remarks:

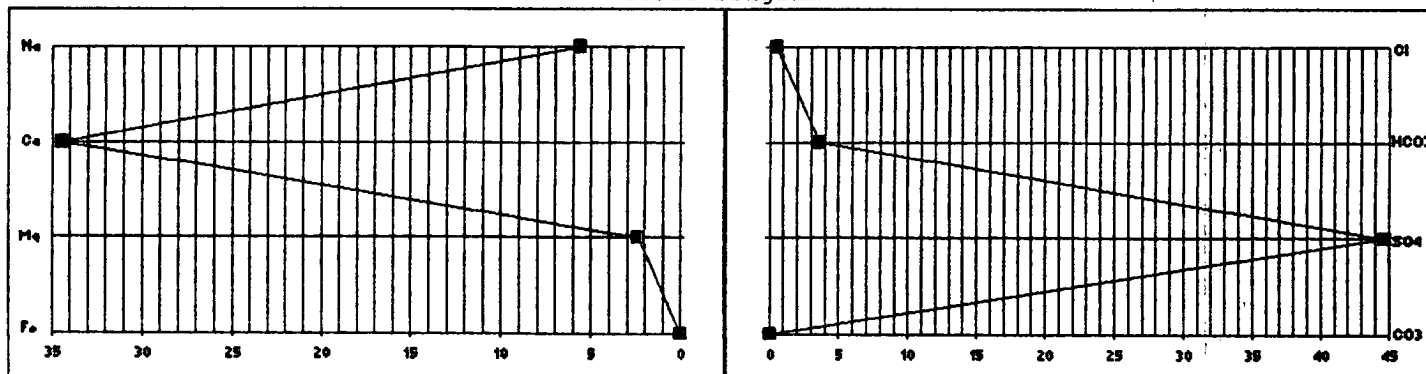
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BLACKWOOD & NICHOLS CO., LTD

NR = Test Not Run

Anion/Cation:

114.08

Stiff Diagram



Scale: Meq/L

# CATHODIC GROUND BED DRILLERS REPORT

222 WELL # NE.B.U. #455, 38

Q S 31 T 31-7

[illegible]

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INSPECTOR MDH.