

## DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS

MA-16

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

4275

Operator: BLACKWOOD & NICHOLS CO. Location: Unit N, Sec. 29, Twp 31N, Rng 7W.Name of Well/Wells or Pipeline Served NEBU 412, 51

51 = 30-045-60247

412 = 30-045-27354

Elevation 6300' Completion Date 9-22-93 Total Depth 470' Land Type\* Surface: F Mineral: SF-079045Casing, 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-IIIf 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. Clear, 270'Depths gas encountered: N/AType & amount of coke breeze used: Asbury Flo-Coke, 6,200#Depths anodes placed: 398' -132' (15)Depths vent pipes placed: TD to 4' Above Ground LevelVent pipe perforations: Bottom - 340'Remarks: Groundbed located 405' S 33° E of NEBU 412. WELL HEAD.

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. AlbTitle: Operations EngineerDate: 11/19/93



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

Lab Sample No.: W93-371

Standard A.P.I. Water Analysis Report

Collected By: J. Evans

Company: Blackwood and Nichols Co.

Collection Date: 9/16/93

Well Name: MA #16

Collection Time: Unknown

Formation: Groundbed

County: Unknown State: Unknown

Location: Unknown

Analyst: K. Lambdin & S. Spencer

Remarks: 370 feet

Analysis Date: 9/21/93

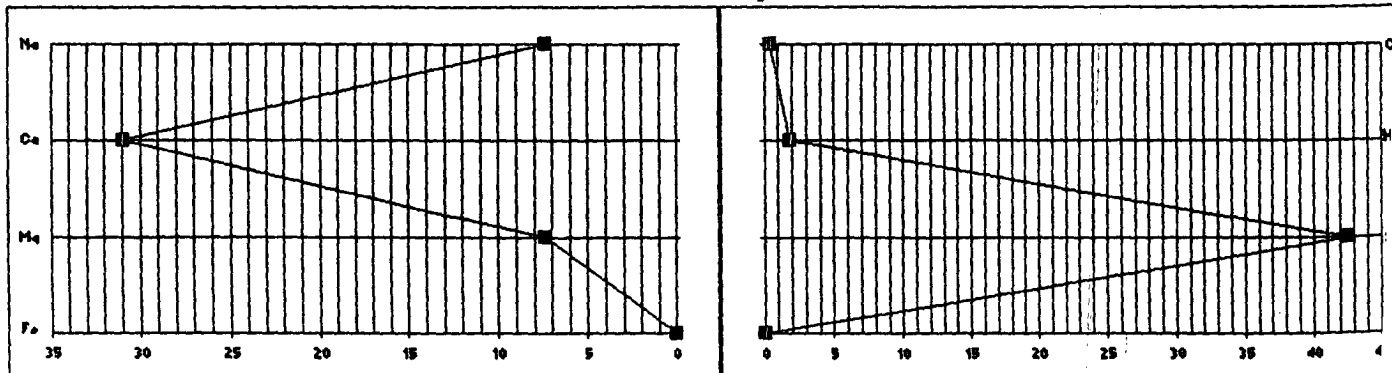
| PARAMETER        | as ION     | Comment | PARAMETER                     | as ION      | Comment |
|------------------|------------|---------|-------------------------------|-------------|---------|
| Sodium, Na       | 170 mg/l   |         | Chloride, Cl                  | 15 mg/l     |         |
| Potassium, K     | 20 mg/l    |         | Sulfate, SO <sub>4</sub>      | 2050 mg/l   |         |
| Calcium, Ca      | 620 mg/l   |         | Hydroxide, OH                 | 0 mg/l      |         |
| Magnesium, Mg    | 90 mg/l    |         | Carbonate, CO <sub>3</sub>    | 0 mg/l      |         |
| Iron, Fe (Total) | 0 mg/l     | NR      | Bicarbonate, HCO <sub>3</sub> | 110 mg/l    |         |
| Hydrogen Sulfide | 0 mg/l     | <1.0    | Resistivity                   | 3.257 ohm-m |         |
| pH               | 7.65 Units |         | (@25 Degrees C)               |             |         |
| TDS              | 2,060 mg/l |         | Conductivity                  | 3,070 uS    |         |
|                  |            |         | Specific Gravity              | 1.000 Units |         |
|                  |            |         | (@ 60 Degrees F)              |             |         |

Remarks: Muddy sample.

NR = Test Not Run

Anion/Cation: 97.0

Stiff Diagram



Scale: Meq/L

# CATHODIC GROUND BED DRILLERS REPORT

MA-16 WELL# NEBU# 412451

S 29 TELN

[illegible]

LLER gene milking

INSPECTOR Joe Matyssek

# CATHODIC GROUND BED DRILLERS REPORT

MAIL WELL# N.E.B.U. #412, 51

N<sub>S</sub> 29 T31

[illegible]

LLER

*[Handwritten signature]*

INSPECTOR

M.D.M.