

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

MD-2

Operator: BLACKWOOD & NICHOLS CO. Location: Unit A, Sec. 11, Twp 31N, Rng 7W.

Name of Well/Wells or Pipeline Serviced NEBU 440, 202, 65

440-30-045-29555 202-30-045-23484 65 30-045-22528

Elevation 6370 Completion Date 8-7-93 Total Depth 350' Land Type* Surface: P Mineral: NM-03358

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 120', water 140' - 170'

Depths gas encountered: N/A

Type & amount of coke breeze used: Asbury 3,900#

Depths anodes placed: 125' to 330'

Depths vent pipes placed: Drilled TD to 4' above ground level

Vent pipe perforations: Bottom 240'

Remarks: Ground bed is located 28° from North and 1,125' from NEBU #440 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.

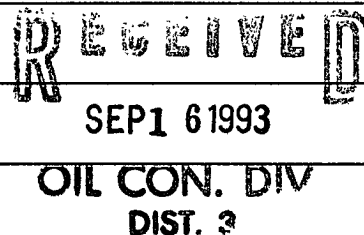
*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.

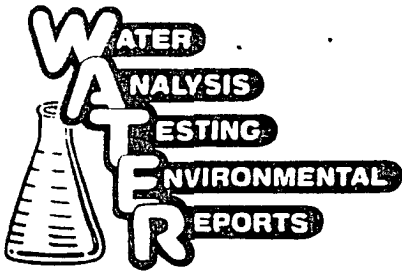
If Federal or Indian, add Lease Number.

Signed by: James K. Aley

Title: Operations Engineer

Date: 8/27/93





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

Lab Sample No.: W93-276

Standard A.P.I. Water Analysis Report

Collected By: M.D.M

Company: Blackwood and Nichols Co.

Collection Date: 7-Aug-93

Well Name: MD -2

Collection Time: Unknown

Formation: Surface

County: Unknown State: Unknown

Location: (A) Sec. 11-T31N-R7W

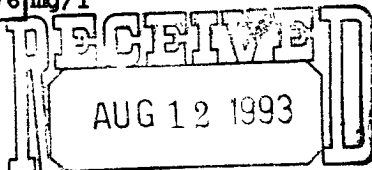
Analyst: K. Lambdin & S. Spencer

Remarks: Depth Sampled - 140 feet

Analysis Date: 8/10/93

PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	66 mg/l		Chloride, Cl	10 mg/l	
Potassium, K	8 mg/l		Sulfate, SO ₄	56 mg/l	
Calcium, Ca	19 mg/l		Hydroxide, OH	0 mg/l	
Magnesium, Mg	3 mg/l		Carbonate, CO ₃	27 mg/l	
Iron, Fe (Total)	0.0 mg/l	NR	Bicarbonate, HCO ₃	122 mg/l	
Hydrogen Sulfide	0 mg/l	<0.1	Resistivity	24.096 ohm-m	
pH	9.03 Units		(@25 Degrees C)		
TDS	276 mg/l		Conductivity	415 uS	
			Specific Gravity	1.000 Units	
			(@ 60 Degrees F)		

Remarks: None.



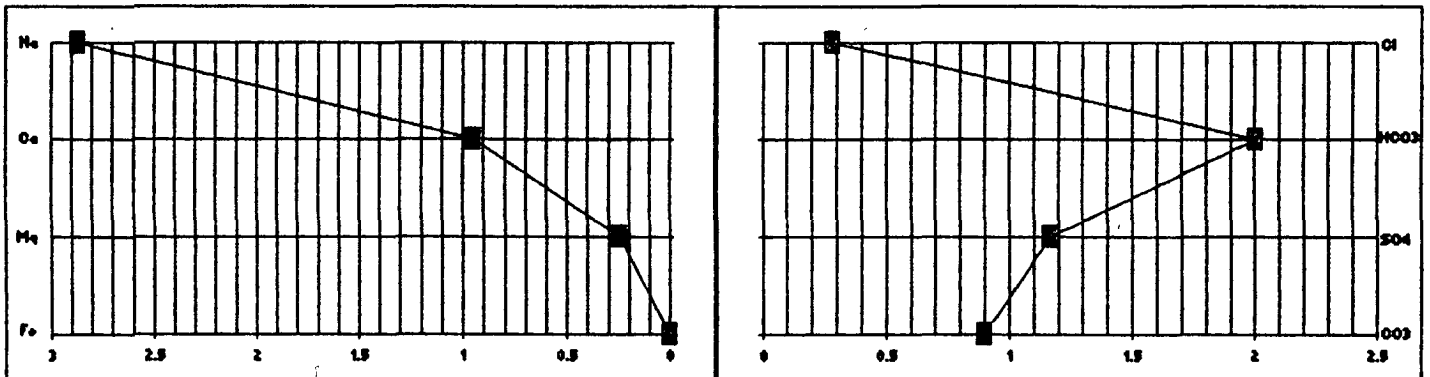
NR = Test Not Run

BLACKWOOD & NICHOLS CO., LTD.

Anion/Cation:

101.8%

Stiff Diagram



BLACKWOOD & NICHOLS
CATHODIC GROUND BED
DRILLERS REPORT

#MD-2 WELL # NEB/4# 400, 202 + 65

S 11 T 31 N R 11

DEPTH	STRATA	NOTES	DEPTH	STRATA	NOTES
5'					
10'					
15'					
20'					
25'					
30'					
35'					
40'					
45'					
50'					
55'					
60'					
65'					
70'					
75'					
80'					
85'					
90'					
95'					
100'					

DRILLER jesse martinez

INSPECTOR Joe Matysik

BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

WP# MD-2 WELL# NEBU. # 440, 202, 65-

A S 11 T 31 R 1

[illegible]

DRILLER

INSPECTOR W. M. J.