

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 Served NEBU 440, 202, 65

440-30-045-27555 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.

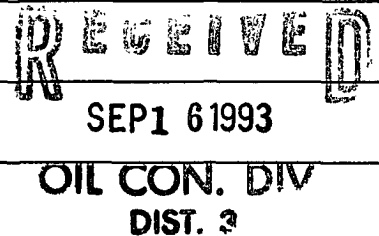
*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.

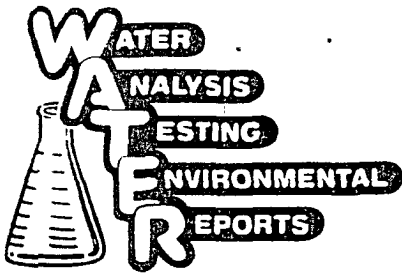
If Federal or Indian, add Lease Number.

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

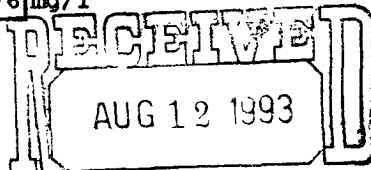
Analyst: K. Lambdin & S. Spencer

Remarks: Depth Sampled - 140 feet

Karen C Lambdin
Analysis Date: 8/10/93

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

Remarks: None.

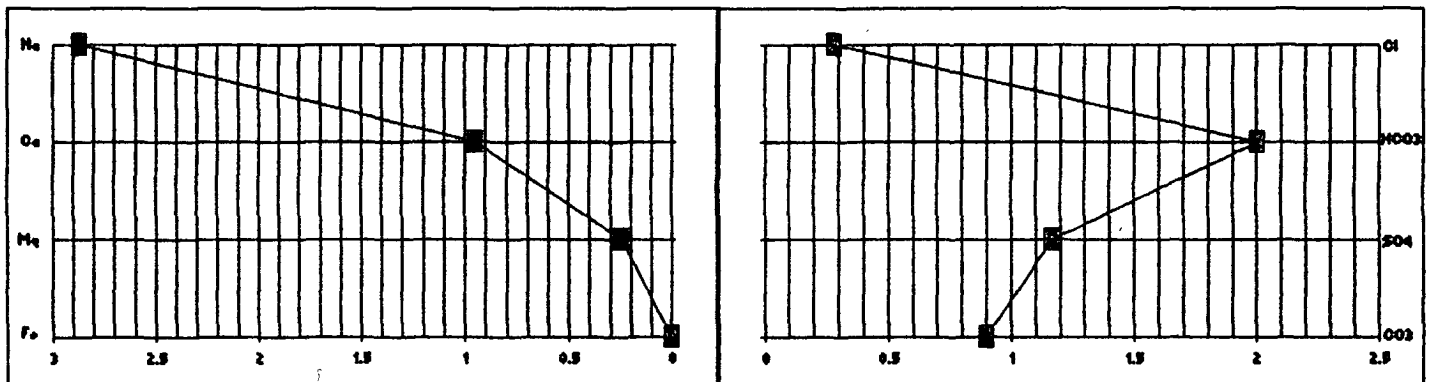


NR = Test Not Run

BLACKWOOD & NICHOLS CO., LTD.

Anion/Cation: 101.8%

Stiff Diagram



Scale: Meq/L

BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

WELL# NEBU# 400, 202 ± 65

S 11 T 31N R 11

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

RILLER Jesse Martinez

INSPECTOR Joe Matysik

BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

P# MD-2 WELL# N.E.B.U. # 440, 202, 65-

A S 11 T 31 R 1

[illegible]

RILLER _____

INSPECTOR W. M.