

SN-21

30-039-07930

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

Operator: BLACKWOOD & NICHOLS CO. Location: Unit O, Sec. 34, Twp 31N, Rng 7W.

Name of Well/Wells or Pipeline Served NEBU 28

Elevation 6300' Completion Date 6-23-93 Total Depth 240' Land Type* Surface: F Mineral: SF-079003

Casing, Sizes, Types & Depths 8-5/8" SCH 40 P.V.C. - 100', 7 7/8" OPEN HOSE

If Casing is cemented, show amounts & types used 20 sks Portland Zia I-II

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, 140' - 150'

Depths gas encountered: N/A

Type & amount of coke breeze used: Asbury Flo-Coke

Depths anodes placed: 225' to 110'

Depths vent pipes placed: 240' to 4' above ground level

Vent pipe perforations: 240' to 100'

Remarks: 103° Northeast, 192' from wellhead.

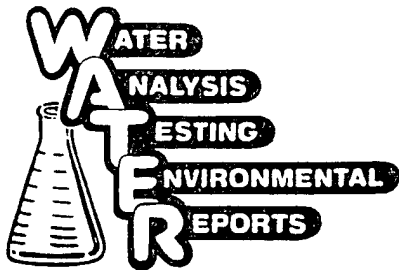
RECEIVED
AUG 26 1993
OIL CON. DIV.
DIST. 3

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: 8/11/93



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

Lab Sample No.: W93-177

Standard A.P.I. Water Analysis Report

Collected By: Loftis

Company: Blackwood and Nichols Co.

Collection Date: 23-Jun-93

Well Name: SN - 21

Collection Time: Unknown

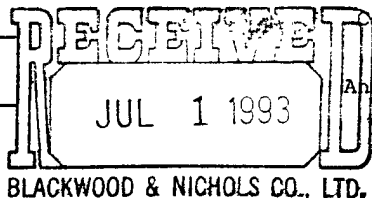
Formation: Unknown

County: Unknown State: Unknown

Location: Groundbed

Analyst: K. Lambdin and S. Spencer

Remarks: Depth - 110 feet



S. Spencer

PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	140 mg/l	calc.	Chloride, Cl	11 mg/l	
Potassium, K	2 mg/l		Sulfate, SO ₄	178 mg/l	
Calcium, Ca	10 mg/l		Hydroxide, OH	0 mg/l	
Magnesium, Mg	3 mg/l		Carbonate, CO ₃	0 mg/l	
Iron, Fe (Total)	0.0 mg/l	NR	Bicarbonate, HCO ₃	172 mg/l	
Hydrogen Sulfide	0 mg/l	NR	Resistivity	15.244 ohm-m	
pH	8.20 Units		(@ 25 Degrees C)		
TDS	438 mg/l		Conductivity	656 uS	
			Specific Gravity	0.000 Units	
			(@ 60 Degrees F)		

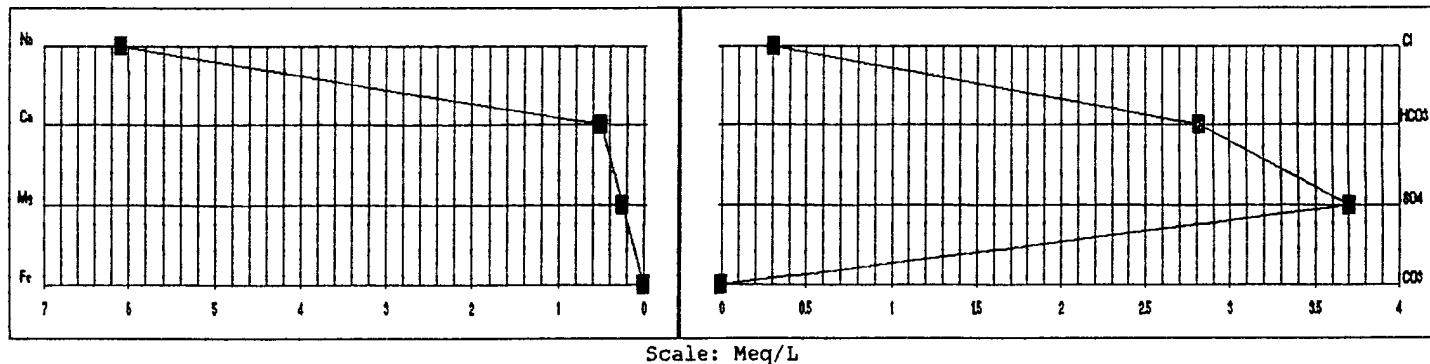
Remarks: Unable to run S.G. due to small sample size and large amount of mud.

NR = Test Not Run

Anion/Cation:

99.2%

Stiff Diagram



BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

4-22-93

P# SN21 WELL# NEBU 28

S 34 T 31N R 7W

[illegible]

RILLER 

INSPECTOR Mark D. McGaband