

#104/30-045-09791

#435/30-045-27784

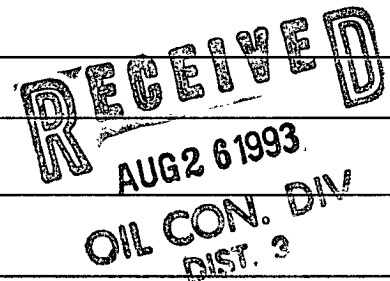
DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS

NORTHWESTERN NEW MEXICO

(Submit 3 Copies to OCD Aztec Office)

Operator: BLACKWOOD & NICHOLS CO. Location: Unit K, Sec. 1, Twp 30N, Rng 8W.Name of Well/Wells or Pipeline Served NEBU 435, 104Elevation 6385' Completion Date 7-23-93 Total Depth 380' Land Type* Surface: F Mineral: SF-078581ACasing, 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 & thickness of water zones with description of water when possible:

Fresh, Clear, Salty, Sulphur, Etc. Fresh, 110' & 135' & 270'Depths gas encountered: N/AType & amount of coke breeze used: Asbury 5150#Depths anodes placed: 145' to 353'Depths vent pipes placed: TD to 4' above ground levelVent pipe perforations: 367' to 107'✓ Remarks: Groundbed located 205° SW of North and 210' from #435 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. AbbeTitle: Operations EngineerDate: 8/11/93



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

Lab Sample No.: W93-248

Standard A.P.I. Water Analysis Report

Collected By: M.D.M.

Company: Blackwood and Nichols Co.

Collection Date: 23-Jul-93

Well Name: C.P. Station P-10

Collection Time: 2:38 PM

Formation: Surface

County: Unknown State: Unknown

Location: Unknown

Analyst: K. Lambdin

Karen Lambdin

Remarks: Depth 270 feet

Analysis Date: 7/28/93

PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	225 mg/l	calculated	Chloride, Cl	22 mg/l	
Potassium, K	10 mg/l		Sulfate, SO ₄	1990 mg/l	
Calcium, Ca	640 mg/l		Hydroxide, OH	0 mg/l	
Magnesium, Mg	34 mg/l		Carbonate, CO ₃	0 mg/l	
Iron, Fe (Total)	0.0 mg/l	NR	Bicarbonate, HCO ₃	152 mg/l	
Hydrogen Sulfide	0 mg/l	<5	Resistivity	3.257 ohm-m	
pH	7.55 Units		(@25 Degrees C)		
TDS	2,050 mg/l		Conductivity	3,070 uS	
			Specific Gravity	1.000 Units	
			(@ 60 Degrees F)		

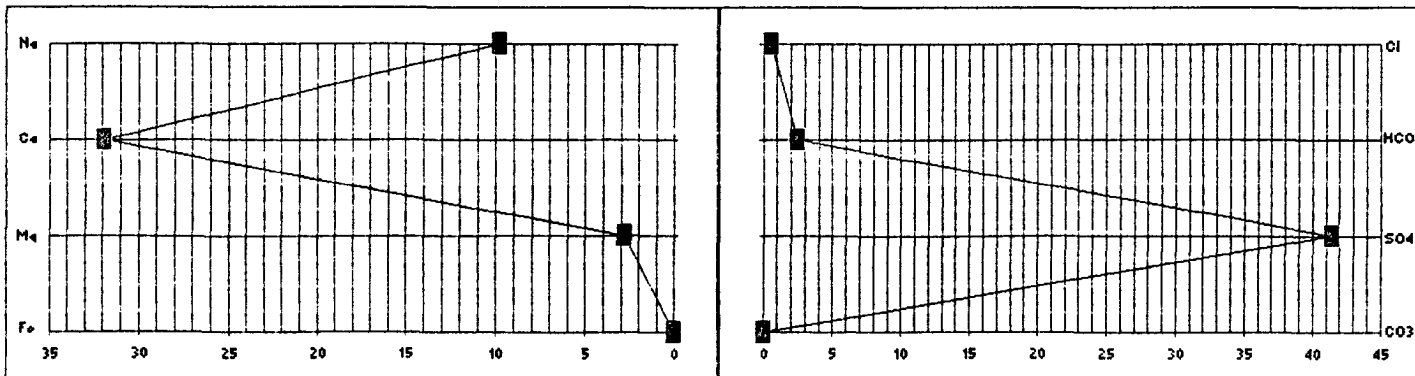
Remarks: None.

RECEIVED
JUL 30 1993
BLACKWOOD & NICHOLS CO. LTD.

NR = Test Not Run

Anion/Cation: 99.43

Stiff Diagram



BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

CP# P10 WELL# NEB 104 + 435

S 1 T 30N R 24

[illegible]

DRILLER Gene Mauter

INSPECTOR Joe Matyssek

BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

P-10 WELL# N.E. 34. 435 1/2 104

K S 1 T 30 R 8

[illegible]

RILLER 

INSPECTOR *MDM*