

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS

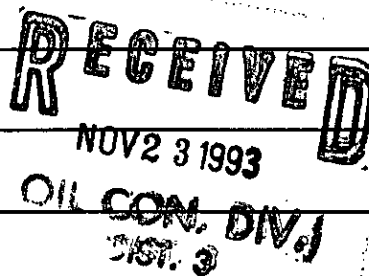
MA-9

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

3568

Operator: BLACKWOOD & NICHOLS CO. Location: Unit N, Sec. 20, Twp 31N, Rng 7W.Name of Well/Wells or Pipeline Serviced NEBU 422, 2 # 422 = 30-45-27299
#2 = 30-045-28553Elevation 6380' Completion Date 9-21-93 Total Depth 470' Land Type* Surface: P 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-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. Clear, 340'.Depths gas encountered: N/AType & amount of coke breeze used: Asbury flo-coke.Depths anodes placed: 109' - 400' (15)Depths vent pipes placed: TD to 4' above ground level.Vent pipe perforations: Bottom 360'Remarks: Groundbed is located 200° SW-North-131' from #444 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: Jama K. Allen Title: Operations Engineer Date: 11/19/93



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

Lab Sample No.: W93-356

Standard A.P.I. Water Analysis Report

Collected By: J. Evans

Company: Blackwood and Nichols Co.

Collection Date: 9/3/93

Well Name: MA #9

Collection Time: Unknown

Formation: Groundbed - 350'

County: Unknown State: Unknown

Location: Unknown

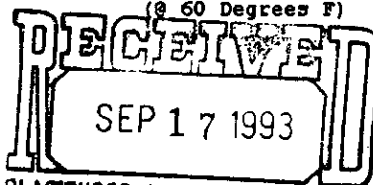
Analyst: K. Lambdin & S. Spencer

Remarks: Groundbed while drilling - Drilled to 470 feet. Analysis Date: 9/15/93

S. Spencer

PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	190	mg/l	Chloride, Cl	29	mg/l
Potassium, K	35	mg/l	Sulfate, SO ₄	2240	mg/l
Calcium, Ca	570	mg/l	Hydroxide, OH	0	mg/l
			Carbonate, CO ₃	0	mg/l
Magnesium, Mg	130	mg/l	Bicarbonate, HCO ₃	150	mg/l
Iron, Fe (Total)	0	mg/l NR	Resistivity	2.941	ohm-m
Hydrogen Sulfide	0	mg/l <0.1	(@25 Degrees C)		
pH	7.86	Units	Conductivity	3,400	uS
TDS	2,280	mg/l	Specific Gravity	1.000	Units
			(@ 60 Degrees F)		

Remarks: None.

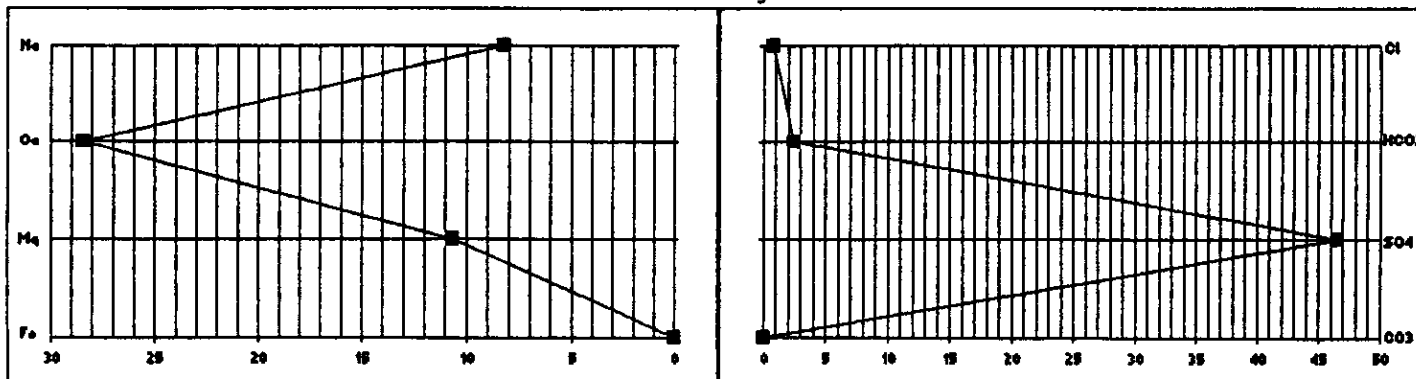


NR = Test Not Run

BLACKWOOD & NICHOLS CO., LTD.

Anion/Cation: 103.3%

Stiff Diagram



Scale: Meq/L

BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

CP# MA-9 WELL# NERU#422-12

S 20 T 31 N 6

[illegible]

DRILLER James Marking

INSPECTOR Joe Matyssek

CATHODIC GROUND BED DRILLERS REPORT

MA-9 WELL # N.E.B.U. # 422, # 2

N_S 20 T 31

[illegible]

LLER

INSPECTOR

MDM