

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS

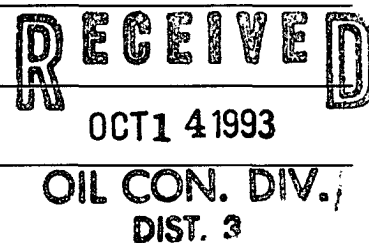
MB-14

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

30-045-27721

Operator: BLACKWOOD & NICHOLS CO. Location: Unit O, Sec. 34, Twp 31N, Rng 7W.Name of Well/Wells or Pipeline Serviced NEBU 466Elevation 6240' Completion Date 8-22-93 Total Depth 330' Land Type* Surface: F Mineral: SF-079003Casing, 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

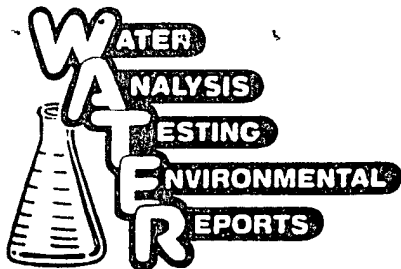
Depths & thickness of water zones with description of water when possible:

Fresh, Clear, Salty, Sulphur, Etc. Fresh, 210'Depths gas encountered: N/AType & amount of coke breeze used: Asbury Flo-Coke 69 sxDepths anodes placed: 151' - 300'Depths vent pipes placed: 330' to 4' above ground level.Vent pipe perforations: 110' - 330'Remarks: Groundbed is located 70° E - North and 167' from 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. AllenTitle: Operations EngineerDate: 10/12/93



1115 Farmington Avenue - Farmington , NM 87401

(505) 325-1085

Lab Sample No.: W93-313

Standard A.P.I. Water Analysis Report

Collected By: J. Evans

Company: Blackwood and Nichols Co.

Collection Date: 8/19/93

Well Name: MB #14

Collection Time: Unknown

Formation: Surface

County: San Juan State: NM

Location: (B) Sec.34-T31N-R7W

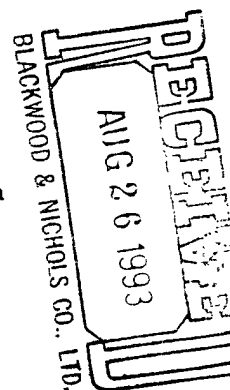
Analyst: K. Lambdin

Remarks: Groundbed while drilling; NEBU #466

Analysis Date: 8/22/93

PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium , Na	180 mg/l	Calculated	Chloride , Cl	15 mg/l	
Potassium, K	15 mg/l		Sulfate, SO4	1570 mg/l	
Calcium , Ca	570 mg/l		Hydroxide, OH	0 mg/l	
			Carbonate, CO3	0 mg/l	
Magnesium , Mg	110 mg/l		Bicarbonate, HCO3	220 mg/l	
Iron, Fe (Total)	0.0 mg/l	NR	Resistivity	3.571 ohm-m	
Hydrogen Sulfide	0 mg/l	<0.1	(@25 Degrees C)		
pH	7.89 Units		Conductivity	2,800 uS	
TDS	1,900 mg/l		Specific Gravity	1.000 Units	
			(@ 60 Degrees F)		

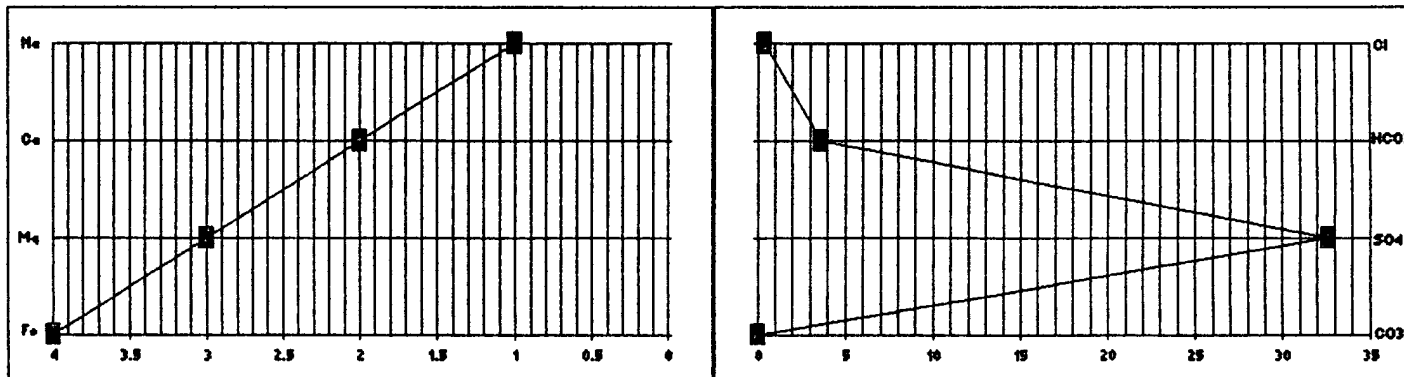
Remarks: None.

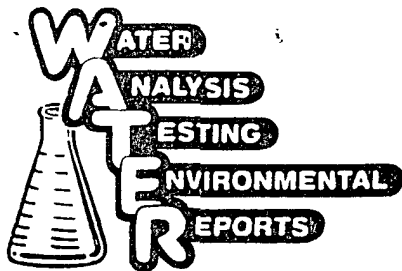


NR = Test Not Run

Anion/Cation: 100.1%

Stiff Diagram





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

Lab Sample No.: W93-324

Standard A.P.I. Water Analysis Report

Collected By: Unknown

Company: Blackwood and Nichols Co.

Collection Date: 8/21/93

Well Name: MB #14

Collection Time: Unknown

Formation: Unknown

County: Unknown State: Unknown

Location: (B) Sec. 34-T31-R7

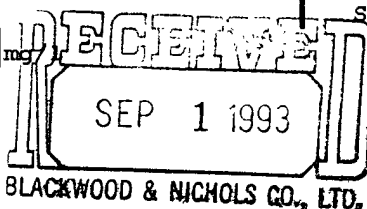
Analyst: K. Lambdin & S. Spencer

Remarks: Groundbed 180'. NEBU #466

Karen Colambdin
Analysis Date: 8/26/93

PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	<u>185</u> mg/l	Calculated.	Chloride, Cl	<u>14</u> mg/l	
Potassium, K	<u>10</u> mg/l		Sulfate, SO ₄	<u>2015</u> mg/l	
Calcium, Ca	<u>550</u> mg/l		Hydroxide, OH	<u>0</u> mg/l	
Magnesium, Mg	<u>109</u> mg/l		Carbonate, CO ₃	<u>0</u> mg/l	
Iron, Fe (Total)	<u>0.0</u> mg/l	NR	Bicarbonate, HCO ₃	<u>150</u> mg/l	
Hydrogen Sulfide	<u>0</u> mg/l	<0.1	Resistivity	<u>3.584</u> ohm-m	
pH	<u>7.48</u> Units		(@25 Degrees C)		
TDS	<u>1,867</u> mg/l		Conductivity	<u>2,790</u> uS	
			Specific Gravity	<u>1.000</u> Units	
			(@ 60 Degrees F)		

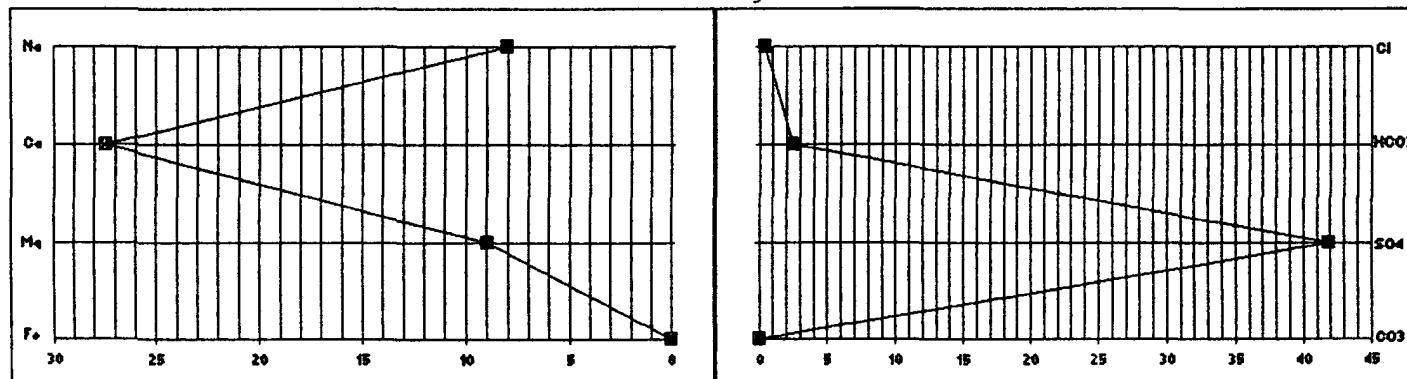
Remarks: None.



NR = Test Not Run

Anion/Cation: 100.1%

Stiff Diagram



Scale: Meq/L

BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

MB-14 WELL # NER/L # 466

S 34 T 3/14 E

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INSPECTOR Jol Matyszek

BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

MB#14 WELL# NEBU#466

S 34 T 31

[illegible]

LLER

INSPECTOR