

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS

MA-36

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

30-045-27243

3601

Operator: BLACKWOOD & NICHOLS CO. Location: Unit F, Sec. 4, Twp 30N, Rng 7W.Name of Well/Wells or Pipeline Served NEBU 424Elevation 6120' Completion Date 10-15-93 Total Depth 405' Land Type* Surface: BOR Mineral: SF-079043Casing, 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

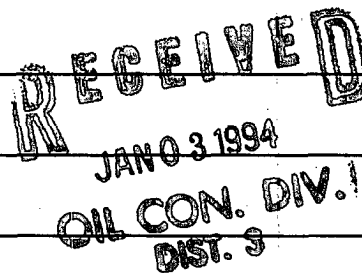
Depths & thickness of water zones with description of water when possible:

Fresh, Clear, Salty, Sulphur, Etc. 100' to 405'Depths gas encountered: N/AType & amount of coke breeze used: Asbury flo-coke - 5,100#.Depths anodes placed: 140' - 370'Depths vent pipes placed: Bottom to 4' above ground level.Vent pipe perforations: Bottom - 280'Remarks: Groundbed is located at 88° from North & 142' from NEBU #424 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 Engineer Date: 12-22-93

CATHODIC GROUND BED DRILLERS REPORT

1A-36 WELL # NEBU#424

S 4 T30N

[illegible]

ER gene mutation

INSPECTOR

Joe Metyrak

CATHODIC GROUND BED DRILLERS REPORT

WELL # N.E.B.U. # 424

F S 4 T 30-7

[illegible]

ER 

INSPECTOR *MSM*



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

Lab Sample No.: W93-423

Standard A.P.I. Water Analysis Report

Collected By: J. Evans

Company: Blackwood & Nichols Co.

Collection Date: 10/15/93

Well Name: MA #36

Collection Time: Unknown

Formation: Groundbed - 100 feet

County: Unknown State: Unknown

Location: Unknown

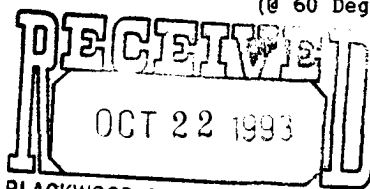
Analyst: K. Lambdin & S. Spencer

Remarks: Contaminated with lake water

Analysis Date: 10/20/93

PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	<u>130</u> mg/l		Chloride, Cl	<u>14</u> mg/l	
Potassium, K	<u>20</u> mg/l		Sulfate, SO ₄	<u>1600</u> mg/l	
Calcium, Ca	<u>580</u> mg/l		Hydroxide, OH	<u>0</u> mg/l	
Magnesium, Mg	<u>50</u> mg/l		Carbonate, CO ₃	<u>0</u> mg/l	
Iron, Fe (Total)	<u>0</u> mg/l	NR	Bicarbonate, HCO ₃	<u>100</u> mg/l	
Hydrogen Sulfide	<u>0</u> mg/l	<0.1	Resistivity	<u>3.968</u> ohm-m	
pH	<u>8.18</u> Units		(@25 Degrees C)		
TDS	<u>1,700</u> mg/l		Conductivity	<u>2,520</u> uS	
			Specific Gravity	<u>1.000</u> Units	
			(@ 60 Degrees F)		

Remarks: None.

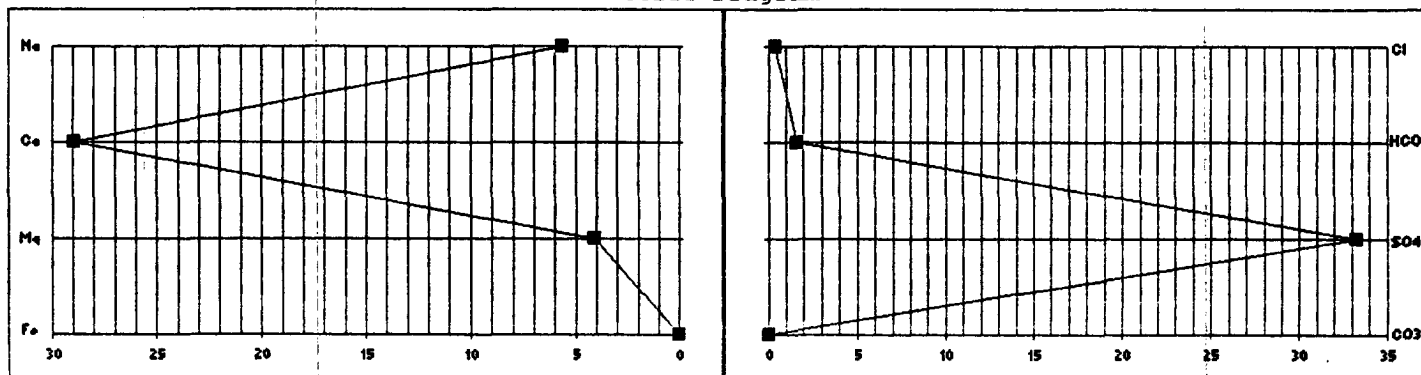


NR = Test Not Run

BLACKWOOD & NICHOLS CO., LTD

Anion/Cation: 90.08

Stiff Diagram



Scale: Meq/L