SW-3

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 Copies to OCD Aztec Office) 30-039-21748

Operator: BLACKWOOD & NICHOLS CO. Location: Unit D, Sec. 16, Twp 30N, Rng 7W.

Name of Well/Wells or Pipeline Serviced NEBU 10A

Elevation 6200' Completion Date 6-29-93 Total Depth 280' Land Type* **Surface: F, Mineral: E-178-1**

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

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' and 270'

Depths gas encountered: N/A

Type & amount of coke breeze used: Loresco & Asbury - 3,200#

Depths anodes placed: 270' to 140', 10 anodes

Depths vent pipes placed: 280' to 4' above ground level

Vent pipe perforations: 280' to 100'

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DIST. 3

Remarks: Ground bed 90° East of North and 163' 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. Aldridge Title: Operations Engineer Date: 8/11/93

BLACKWOOD & NICHOLS
CATHODIC GROUND BED
DRILLERS REPORT

P# SN-3 WELL# N.E.B.U. # 10-A D S 16 T 30 R 7

DEPTH	STRATA	NOTES	DEPTH	STRATA	NOTES
0-100	CASING				
100-140	Brown Sandstone				
140-160	Grey Sandstone (very wet @ 140)				
160-200	Black Shale				
200-270	Grey Sandstone				
270-290	Grey Shale				
290-292	Black Rock				

DRILLER [signature]

INSPECTOR Mary McFarland

WATER ANALYSIS TESTING ENVIRONMENTAL REPORTS

Lab Sample No.: W93-374

Standard A.P.I. Water Analysis Report

Collected By: Pete

Company: Blackwood and Nichols Co.

Collection Date: 9/20/93

Well Name: CPS # SN - 3

Collection Time: Unknown

Formation: TD Groundbed

County: San Juan State: NM

Location: Unknown

Analyst: K. Lambdin & S. Spencer

Remarks: Sampled at 280 '

Analysis Date: 9/24/93

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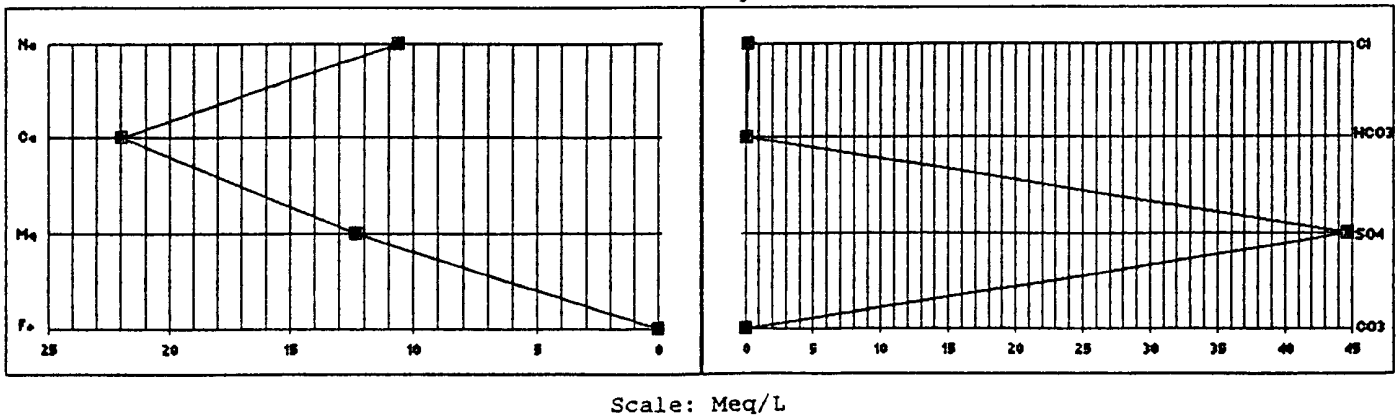
PARAMETER	as ION		Comment	PARAMETER	as ION	
Sodium , Na	244	mg/l	calculated	Chloride , Cl	7	mg/l
Potassium, K	5	mg/l				
Calcium , Ca	440	mg/l		Sulfate, SO4	2150	mg/l
				Hydroxide, OH	0	mg/l
Magnesium , Mg	150	mg/l		Carbonate, CO3	0	mg/l
Iron, Fe (Total)	0	mg/l	NR	Bicarbonate, HCO3	6	mg/l
Hydrogen Sulfide	0	mg/l	NR	Resistivity (@25 Degrees C)	3.690	ohm-m
pH	4.72	Units		Conductivity	2,710	uS
				Specific Gravity (@ 60 Degrees F)	1.000	Units
TDS	1,808	mg/l				

Remarks: Sample exhibits an unusual pH and alkalinity.
Not enough sample to run H2S.

NR = Test Not Run

Anion/Cation: 100.0%

Stiff Diagram



Scale: Meq/L