I 30-039-21697 SS-12

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 I, Sec. 17, Twp 30N, Rng 7W.

Name of Well/Wells or Pipeline Serviced NEBU 24A

Elevation 6313' Completion Date 7-20-93 Total Depth 316' Land Type* **Surface: F Mineral: SF-079060**

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, 230'

RECEIVED
AUG 26 1993
OIL CON. DIV.
DIST. 3

Depths gas encountered: N/A

Type & amount of coke breeze used: Lorasco - 4,000#

Depths anodes placed: 140' to 295' (10 anodes)

Depths vent pipes placed: 316' to 4' above ground level

Vent pipe perforations: 316' to 116'

Remarks: Groundbed is located North and 210' 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. Aee Title: Operations Engineer Date: 8/11/93

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

Lab Sample No.: W93-243

Standard A.P.I. Water Analysis Report

Collected By: Unknown

Company: Blackwood and Nichols Co.

Collection Date: 20-Jul-93

Well Name: C.P. Station SS-12

Collection Time: Unknown

Formation: Fresh Lake Water

County: Unknown State: Unknown

Location: Unknown

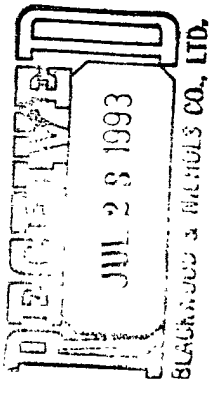
Analyst: K. Lambdin Karen Lambdin

Remarks: Groundbed 230 feet.

Analysis Date: 7/25/93

PARAMETER	as ION		Comment
Sodium , Na	104	mg/l	
Potassium, K	11	mg/l	
Calcium , Ca	319	mg/l	
Magnesium , Mg	25	mg/l	
Iron, Fe (Total)	0.0	mg/l	NR
Hydrogen Sulfide	0	mg/l	<5
pH	7.54	Units	
TDS	1,305	mg/l	

PARAMETER	as ION		
Chloride , Cl	18	mg/l	
Sulfate, SO4	989	mg/l	
Hydroxide, OH	0	mg/l	
Carbonate, CO3	0	mg/l	
Bicarbonate, HCO3	155	mg/l	
Resistivity (@25 Degrees C)	5.089	ohm-m	
Conductivity	1,965	uS	
Specific Gravity (@ 60 Degrees F)	1.000	Units	

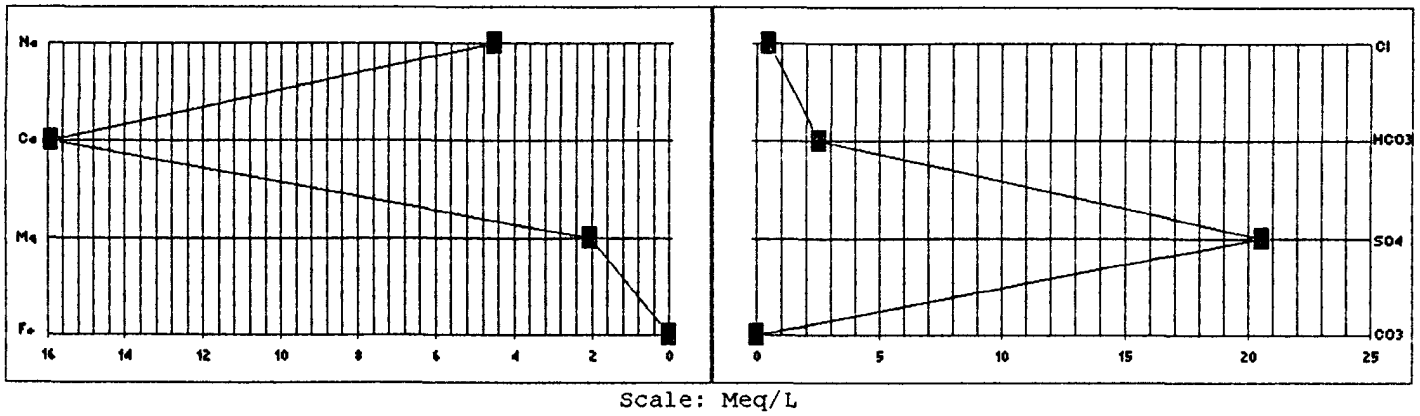


Remarks: Sample not collected properly for an accurate H2S determination.
For H2S, the sample should be obtained anaerobically .

NR = Test Not Run

Anion/Cation: 103.7%

Stiff Diagram



Scale: Meq/L

BLACKWOOD & NICHOLS
CATHODIC GROUND BED
DRILLERS REPORT

CP# SS12 WELL# NEB 24A S 17 T 30N R 7W

DEPTH	STRATA	NOTES	DEPTH	STRATA	NOTES
5'					
10'					
15'	SAND STONE				
20'					
25'					
30'					
35'					
40'					
45'					
50'					
55'					
60'					
65'					
70'					
75'					
80'					
85'					
90'					
95'					
100'					

DRILLER Jesse Martinez INSPECTOR Joe Whitpost

BLACKWOOD & NICHOLS
CATHODIC GROUND BED
DRILLERS REPORT

CP# 55-12 WELL# N.E.B.U. #24-A I S 17 T 30 R 7

DEPTH	STRATA	NOTES	DEPTH	STRATA	NOTES
0-100	Casing				
100-140	Yellow Sandstone (damp @ 140)				
140-145	Grey Shale				
145-170	Grey Sandstone				
170-210	Grey Shale				
210-250	Grey Sandstone (water @ 230')				
250-300	Grey Shale				
300-320	Grey Sandstone				

DRILLER _____ INSPECTOR _____