

SN-9

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 O, Sec. 9, Twp 30N, Rng 7W.

Name of Well/Wells or Pipeline Served NEBU 18A

30-039-21696

Elevation 6300' Completion Date 6-25-93 Total Depth 390' 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, 210' - 215'

Depths gas encountered: N/A

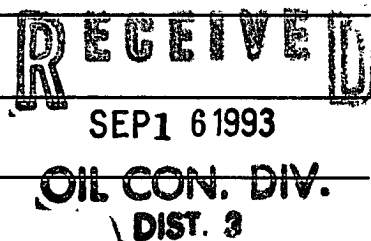
Type & amount of coke breeze used: Asbury, 5,750#

Depths anodes placed: 355' to 250' - 10 anodes

Depths vent pipes placed: 380' to 4' above ground level

Vent pipe perforations: 300' = From 180' to 380'

Remarks: Groundbed is 230', 135° East of North 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. Abley

Title: Operations Engineer

Date: 8/26/93



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

Lab Sample No.: W93-192

Standard A.P.I. Water Analysis Report

Collected By: Mark B.

Company: Blackwood and Nichols Co.

Collection Date: 25-Jun-93

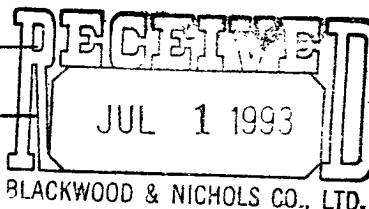
Well Name: SN - 9

Collection Time: Unknown

Formation: Unknown County: Unknown State: Unknown

Location: Groundbed Analyst: K. Lambdin and S. Spencer

Remarks: Depth - 210 feet



Karen C Lambdin

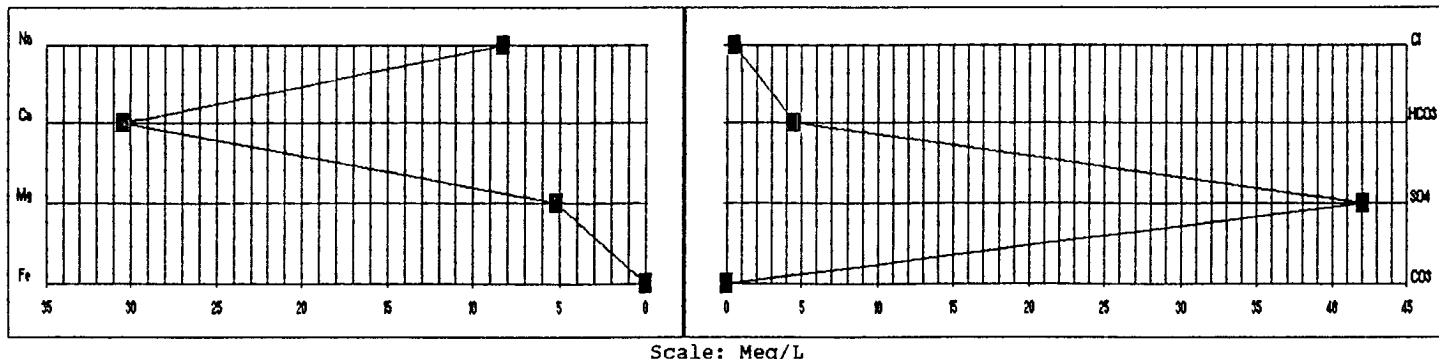
PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium , Na	<u>190</u> mg/l		Chloride , Cl	<u>19</u> mg/l	
Potassium , K	<u>10</u> mg/l		Sulfate , SO ₄	<u>2023</u> mg/l	
Calcium , Ca	<u>611</u> mg/l		Hydroxide , OH	<u>0</u> mg/l	
Magnesium , Mg	<u>63</u> mg/l		Carbonate , CO ₃	<u>0</u> mg/l	
Iron, Fe (Total)	<u>0.0</u> mg/l	NR	Bicarbonate, HCO ₃	<u>276</u> mg/l	
Hydrogen Sulfide	<u>0</u> mg/l	NR	Resistivity	<u>3.215</u> ohm-m	
pH	<u>6.89</u> Units		(@25 Degrees C)		
TDS	<u>2,090</u> mg/l		Conductivity	<u>3,110</u> uS	
			Specific Gravity	<u>1.001</u> Units	
			(@ 60 Degrees F)		

Remarks: None.

NR = Test Not Run

Anion/Cation: 106.7%

Stiff Diagram



BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

P# SN-9 WELL# NEBU. #18-A

0 S 9 T 30 R 7

[illegible]

RILLER 

INSPECTOR