

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

P-3

4251

Operator: BLACKWOOD & NICHOLS CO. Location: Unit H, Sec. 13, Twp 30N, Rng 8W.

Name of Well/Wells or Pipeline Served NEBU 469, 29

469-30-045-27285

29-30-045-13223

Elevation 6283' Completion Date 12-8-93 Total Depth 495' Land Type* Surface: F Mineral: FEE

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

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. Clear, 230'

Depths gas encountered: N/A

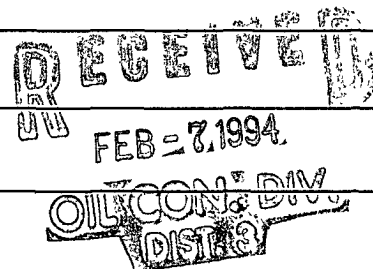
Type & amount of coke breeze used: Loresco - 7000#

Depths anodes placed: 220' - 445' (15)

Depths vent pipes placed: Bottom to 4' Above Ground Level

Vent pipe perforations: Bottom - 380'

Remarks: Groundbed located 223' N 27° W of NEBU 469 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. Albright

Title: Operations Engineer

Date: 2/3/94



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

Lab Number:

W93-517

Standard A.P.I. Water Analysis Report

Company: BLACKWOOD & NICHOLS CO., LTD. Date Collected: 12/7/93
Well Name: P-3; NEBU #469 & #29 Date Received: 12/10/93
Formation: San Jose Date Analyzed: 12/13/93
Location: NW SEC.13-T30-R08 County: San Juan State: New Mexico
Collected By: J. Evans Analyst: Sheila Feltman *Sheila*
Remarks: GROUND BED - DRILLING AT 300'

Attention:

PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	83	mg/l	Chloride, Cl	42	mg/l
Potassium, K	6	mg/l	Sulfate, SO ₄	1340	mg/l
Calcium, Ca	500	mg/l	Hydroxide, OH	0	mg/l
Magnesium, Mg	29	mg/l	Carbonate, CO ₃	0	mg/l
Iron, Fe (Total)	0	mg/l	Bicarbonate, HCO ₃	170	mg/l
Hydrogen Sulfide	0	mg/l	Resistivity	4.13	ohm-m
pH	8.1	units	(@25 Degrees C)		
Total Dissolved Solids	2,310	mg/l	Conductivity	2,420	uS
			Specific Gravity	1.005	
					(@60 Degrees F)

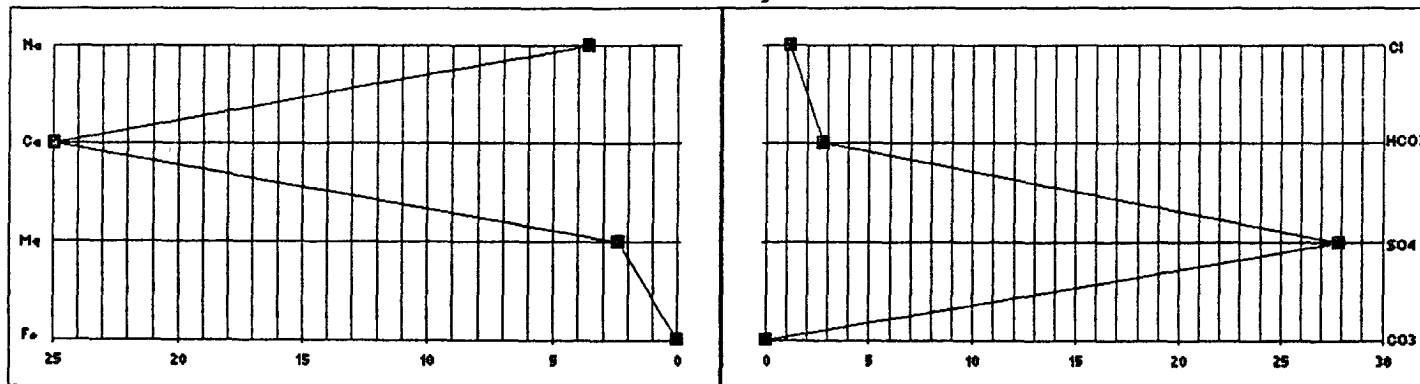
Remarks:

RECEIVED
DEC 15 1993
BLACKWOOD & NICHOLS CO., LTD.

Anion/Cation:

102%

Stiff Diagram



Scale: Meq/L

CATHODIC GROUND BED DRILLERS REPORT

WELL# NEBU-4694 # 29

S 13 T 30-08

[illegible]

LER Mark Riles

INSPECTOR J. R. [Signature]

CATHODIC GROUND BED DRILLERS REPORT

WELL# N.E.B.U. #469, #29

AS 13 T30-8

[illegible]

LER

INSPECTOR M.D.M.