

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

P-2

4254

Operator: BLACKWOOD & NICHOLS CO. Location: Unit J, Sec. 18, Twp 30N, Rng 7W.

Name of Well/Wells or Pipeline Served NEBU 463, 12

463 - 30-045-27417 12 - 30-045-13330

SF-079082

Elevation 6260' Completion Date 12-7-93 Total Depth 495' Land Type* Surface: F Mineral: SF-079073

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, Standing water - 190'

Depths gas encountered: N/A

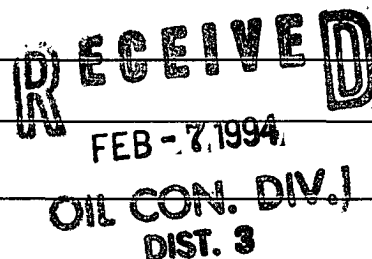
Type & amount of coke breeze used: Loresco - 6000#

Depths anodes placed: 194' - 443'

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

Vent pipe perforations: Bottom - 380'

Remarks: Groundbed Located at N 15° E 144' from NEBU 463.



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:

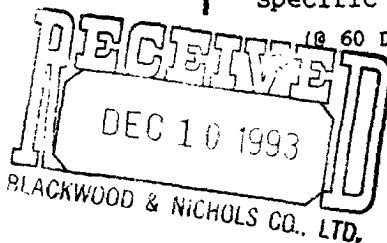
W93-506

Standard A.P.I. Water Analysis Report

Company: BLACKWOOD & NICHOLS CO., LTD. Date Collected: 12/6/93
Well Name: P-2; NEBU #463 & #12 Date Received: 12/6/93
Formation: San Jose Date Analyzed: 12/8/93
Location: SE SEC.18-T30-R07 County: San Juan State: New Mexico
Collected By: J. Evans Analyst: Sheila Feltman *Sheila*
Remarks: Groundbed - While Drilling - H2O @ 250'

PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	50 mg/l		Chloride, Cl	19 mg/l	
Potassium, K	3 mg/l		Sulfate, SO4	1400 mg/l	
Calcium, Ca	540 mg/l		Hydroxide, OH	0 mg/l	
Magnesium, Mg	58 mg/l		Carbonate, CO3	0 mg/l	
Iron, Fe (Total)	0 mg/l	NOT RUN	Bicarbonate, HCO3	120 mg/l	
Hydrogen Sulfide	0 mg/l	<0.1 mg/L	Resistivity	3.94 ohm-m	
pH	8.1 units		(@25 Degrees C)		
Total Dissolved Solids	2,500 mg/l		Conductivity	2,540 uS	
			Specific Gravity	1.004	
			(@ 60 Degrees F)		

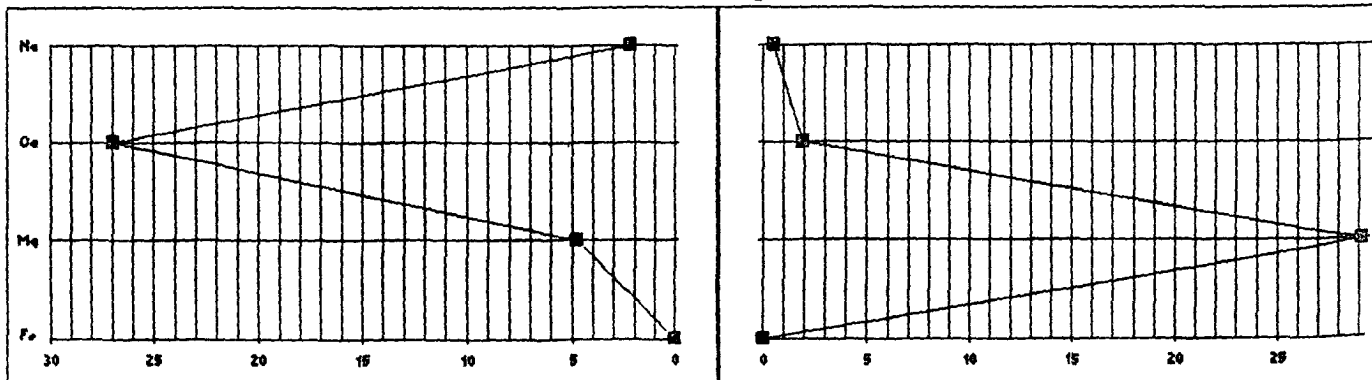
Remarks:



Anion/Cation:

9

Stiff Diagram



Scale: Meq/L

CATHODIC GROUND BED DRILLERS REPORT

WELL# NEBU # 463 + # 1812

S 18 T30-07

[illegible]

LER

Mark Bailey

INSPECTOR

TOR JDS

CATHODIC GROUND BED DRILLERS REPORT

WELL# N.E.B.U. 463, 12.

J S 18 T 30-7

[illegible]

LER 

INSPECTOR *MM*