

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS

MB-13

474 30-045-27570 NORTHWESTERN NEW MEXICO
(Submit 3 Copies to OCD Aztec Office)

74-30-045-25357

Operator: BLACKWOOD & NICHOLS CO. Location: Unit M, Sec. 26, Twp 31N, Rng 7W.

Name of Well/Wells or Pipeline Serviced NEBU 474, 74

Elevation 6280' Completion Date 8-23-93 Total Depth 390' Land Type* Surface: F Mineral: SF-079010A

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 - 90# ea.

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, water sample from 260' while drilling.

Depths gas encountered: N/A

Type & amount of coke breeze used: 93 sx Asbury Flo-Coke

Depths anodes placed: 120' - 335'

Depths vent pipes placed: 390' to 4' above ground level.

Vent pipe perforations: 80' - 390'

Remarks: Groundbed is located 167' N 2° E of NEBU #474.

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.

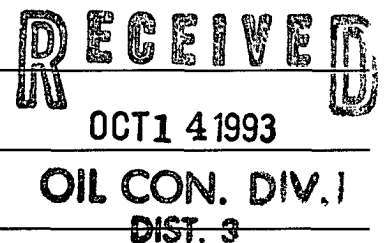
*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.

If Federal or Indian, add Lease Number.

Signed by: James K. Allen

Title: Operations Engineer

Date: 10/12/93





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

Lab Sample No.: W93-323

Standard A.P.I. Water Analysis Report

Collected By: J. Evans

Company: Blackwood and Nichols Co.

Collection Date: 8/20/93

Well Name: MB #13

Collection Time: Unknown

Formation: Surface

County: San Juan State: NM

Location: (M) Sec. 26-T31N-R7W

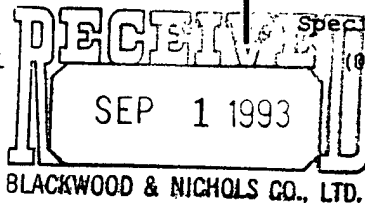
Analyst: K. Lambdin & S. Spencer

Remarks: Groundbed while drilling at 260'. NEBU #474 & 74 Analysis Date: 8/26/93

San Juan

PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	88 mg/l		Chloride, Cl	15 mg/l	
Potassium, K	7 mg/l		Sulfate, SO ₄	1371 mg/l	
Calcium, Ca	490 mg/l		Hydroxide, OH	0 mg/l	
Magnesium, Mg	50 mg/l		Carbonate, CO ₃	0 mg/l	
Iron, Fe (Total)	0.0 mg/l	NR	Bicarbonate, HCO ₃	260 mg/l	
Hydrogen Sulfide	0 mg/l	<.0.1	Resistivity	4.329 ohm-m	
pH	7.51 Units		(@25 Degrees C)		
TDS	1,566 mg/l		Conductivity	2,310 uS	
			Specific Gravity	1.000 Units	
			(@ 60 Degrees F)		

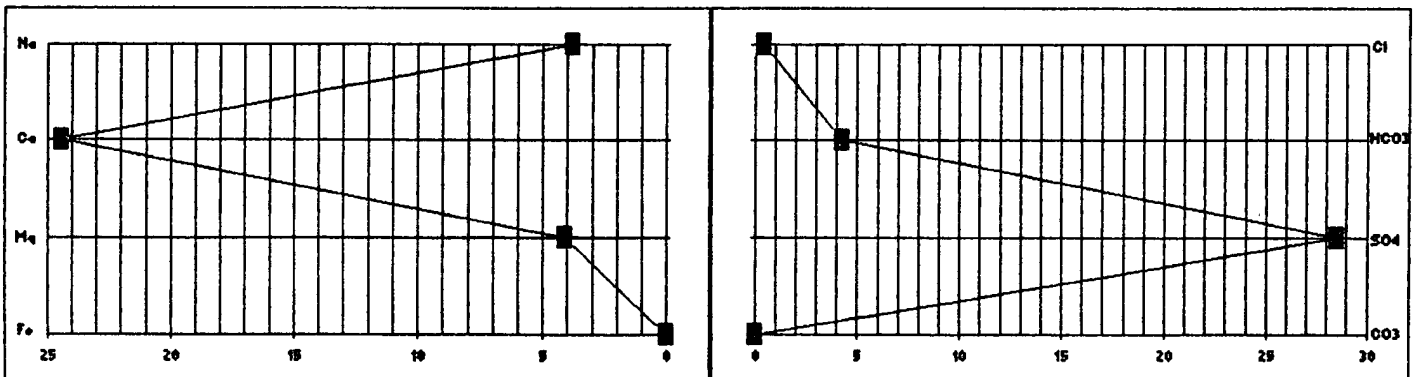
Remarks: None.



NR = Test Not Run

Anion/Cation: 102.0%

Stiff Diagram



BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

CP# MB-13 WELL# NEBU# 474 & #74

S 26 T 31N

[illegible]

DRILLER JOSE MARQUEZ

INSPECTOR Joe Matyszek

CATHODIC GROUND BED DRILLERS REPORT

MB#13 WELL# NEBU-474 + #74

S 26 T 31

[illegible]

LLER

INSPECTOR