

#18 30-039-07888 SW-10
#403 30-039-24213
#403R 30-039-24785

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

Name of Well/Wells or Pipeline Serviced NEBU 403, 403R, 18

Elevation 6322' Completion Date 6-28-93 Total Depth 490' Land Type* F, Lease No. SF-079043

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

490' - 365' 35.5 sks of Portland Zia I-II

Depths & thickness of water zones with description of water when possible:

Fresh, Clear, Salty, Sulphur, Etc. Fresh 250'

Depths gas encountered: 440'

Type & amount of coke breeze used: Loresco SW & Asbury - 5,000#

Depths anodes placed: 365' to 175' - 20 Anodes

Depths vent pipes placed: 365' to 4' above ground level

Vent pipe perforations: 365'- 105' 13-20' - Jts.

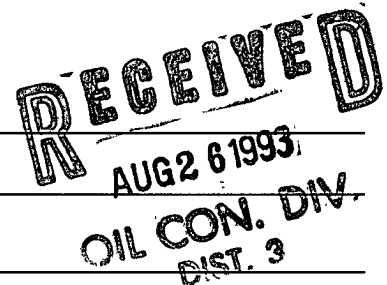
Remarks: No gas - after 24 hours (waiting time)

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. Aeb

Title: Operations Engineer Date: 8/11/93





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

Lab Sample No.: W93-193

Standard A.P.I. Water Analysis Report

Collected By: Loftis

Company: Blackwood and Nichols Co.

Collection Date: 27-Jun-93

Well Name: SN - 10

Collection Time: Unknown

Formation: Unknown

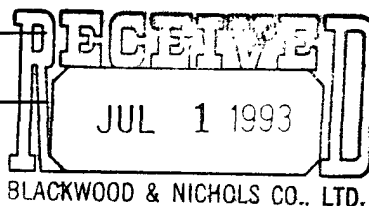
County: Unknown

State: Unknown

Location: Surface

Analyst: K. Lambdin and S. Spencer

Remarks: Depth - 300 feet



Karen Lambdin

BLACKWOOD & NICHOLS CO., LTD.

PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	120	mg/l	Chloride, Cl	5	mg/l
Potassium, K	2	mg/l	Sulfate, SO ₄	1583	mg/l
Calcium, Ca	583	mg/l	Hydroxide, OH	0	mg/l
Magnesium, Mg	39	mg/l	Carbonate, CO ₃	0	mg/l
Iron, Fe (Total)	0.0	mg/l NR	Bicarbonate, HCO ₃	243	mg/l
Hydrogen Sulfide	38	mg/l	Resistivity	3.497	ohm-m
pH	7.40	Units	(@ 25 Degrees C)		
TDS	1,899	mg/l	Conductivity	2,860	uS
			Specific Gravity	1.001	Units
			(@ 60 Degrees F)		

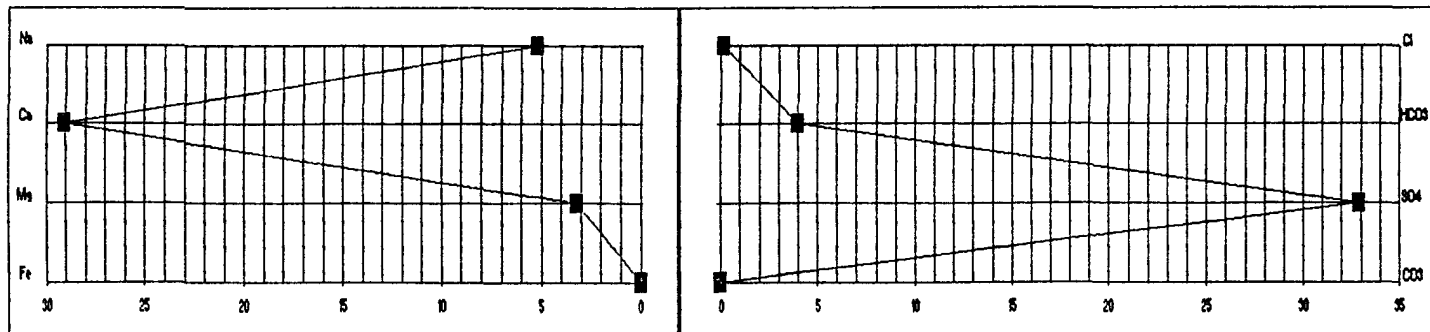
Remarks: Strong rotten egg smell; sample has yellow color.

NR = Test Not Run

Anion/Cation:

98.6%

Stiff Diagram



BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

CP# ¹²SN-10 WELL# N.E.B.U. # 403, # 403R, # 18

G S 9 T 30 R 7

[illegible]

DRILLER 

INSPECTOR *Mark D. McFarland*