

#8 30-039-07880SW-13

#409 30-039-24215

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 K, Sec. 10, Twp 30N, Rng 7W.

Name of Well/Wells or Pipeline Served NEBU 409, 8

Elevation 6260' Completion Date 7-7-93 Total Depth 410' Land Type* Surface: S Mineral: SF-079001

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, Clear water at 250'

Depths gas encountered: _____

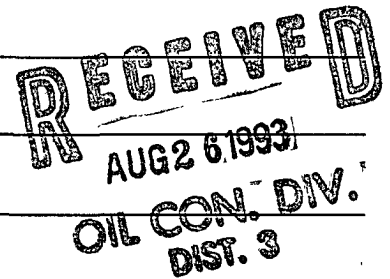
Type & amount of coke breeze used: Asbury Flo-coke

Depths anodes placed: 230' to 375'

Depths vent pipes placed: 388' to 4' above ground level

Vent pipe perforations: 108' to 388'

Remarks: Groundbed located N 35° W (270') from NEBU 409



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. Alee

Title: Operations Engineer Date: 8/11/93



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

Lab Sample No.: W93-210

Standard A.P.I. Water Analysis Report

Collected By: J. Evans

Company: Blackwood and Nichols Co.

Collection Date: 6-Jul-93

Well Name: SN - 13

Collection Time: unknown

Formation: Groundbed Wellbore

County: Unknown

State: Unknown

Location: Unknown

Analyst: S. Spencer

Remarks: Depth - 225 feet

Analysis Date: 7/10/93

S. Spencer

PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	200	mg/l	Chloride, Cl	25	mg/l
Potassium, K	9	mg/l	Sulfate, SO4	1835	mg/l
Calcium, Ca	611	mg/l	Hydroxide, OH	0	mg/l
Magnesium, Mg	29	mg/l	Carbonate, CO3	0	mg/l
Iron, Fe (Total)	0.0	mg/l NR	Bicarbonate, HCO3	278	mg/l
Hydrogen Sulfide	0	mg/l <1	Resistivity	3.413	ohm-m
pH	7.35	Units	(@25 Degrees C)		
TDS	1,960	mg/l	Conductivity	2,930	uS
			Specific Gravity	1.000	Units
			(@ 60 Degrees F)		

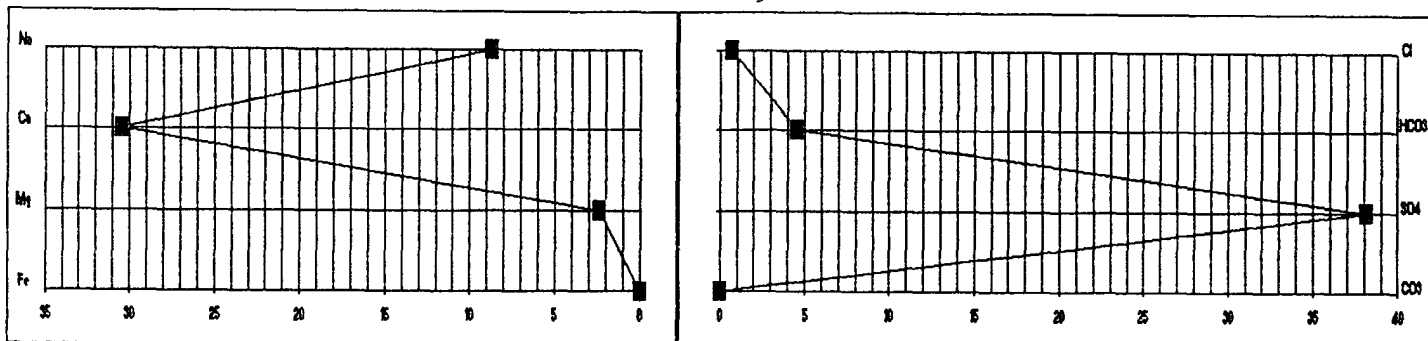
Remarks: None.

NR = Test Not Run

Anion/Cation:

103.9%

Stiff Diagram



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JUL 14 1993
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BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

SN/3 WELL# NEB# 8-10

S 10 T 30N R 7K

EPTH	STRATA	NOTES	DEPTH	STRATA	NOTES
0					
10'	↑				
20'					
30'					
40'					
50'					
60'					
70'					
80'					
90'					
100'	↓				

ILLER Jesse Martin

INSPECTOR Joe Matysak

BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

WELL# NEBU 409 + #8

S 10 T 30 R 27

[illegible]

ILLER 

INSPECTOR Jose D. Evans