

#1 30-039-24236

SW-12

#8A 30-039-21724

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

Name of Well/Wells or Pipeline Serviced NEBU 8A, Sims Mesa SWD #1

Elevation 6320' Completion Date 6-25-93 Total Depth 485' Land Type* Surface: F 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, 220'

Depths gas encountered: N/A

Type & amount of coke breeze used: Laresco

Depths anodes placed: 460' to 220' (25)

Depths vent pipes placed: 485' to 4' above ground level

Vent pipe perforations: 485' to 105'

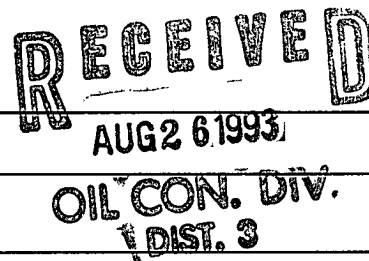
Remarks: Groundbed located 76° East of North, distance from rectifier on Sims Mesa SWD #1 is 255'.

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: 8/11/93





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

Lab Sample No.: W93-194

Standard A.P.I. Water Analysis Report

Collected By: Loftis

Company: Blackwood and Nichols Co.

Collection Date: 25-Jun-93

Well Name: SN - 12

Collection Time: Unknown

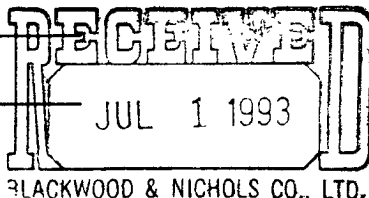
Formation: Unknown

County: Unknown State: Unknown

Location: Groundbed

Analyst: K. Lambdin and S. Spencer

Remarks: Depth - 300 feet



Karen C Lambdin

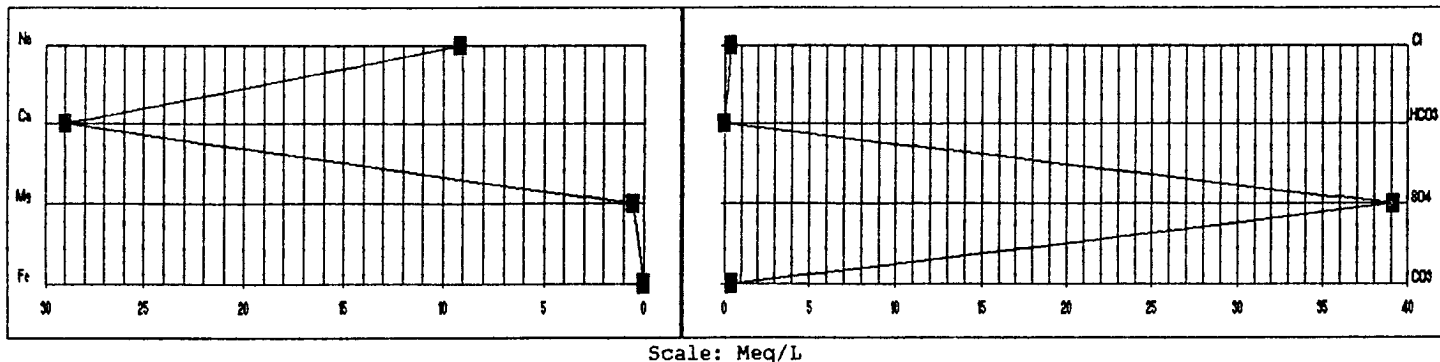
PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	<u>210</u> mg/l		Chloride, Cl	<u>13</u> mg/l	
Potassium, K	<u>7</u> mg/l		Sulfate, SO ₄	<u>1882</u> mg/l	
Calcium, Ca	<u>580</u> mg/l		Hydroxide, OH	<u>7</u> mg/l	
Magnesium, Mg	<u>6</u> mg/l		Carbonate, CO ₃	<u>14</u> mg/l	
Iron, Fe (Total)	<u>0.0</u> mg/l	NR	Bicarbonate, HCO ₃	<u>0</u> mg/l	
Hydrogen Sulfide	<u>0</u> mg/l	NR	Resistivity	<u>3.460</u> ohm-m	
pH	<u>9.95</u> Units		(825 Degrees C)		
TDS	<u>1,923</u> mg/l		Conductivity	<u>2,890</u> uS	
			Specific Gravity	<u>1.001</u> Units	
			(@ 60 Degrees F)		

Remarks: None.

NR = Test Not Run

Anion/Cation: 104.2%

Stiff Diagram



BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

P# SN-12 WELL# N.E.B.U. #501 1/2 8A

E S 10 T 30 R 7

[illegible]

RILLER 

INSPECTOR *Mark D. McFarland*