

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS

MC-1

NORTHWESTERN NEW MEXICO

(Submit 3 Copies to OCD Aztec Office)

205-30-045-23601

64A-30-045-23483

Operator: BLACKWOOD & NICHOLS CO. Location: Unit P, Sec. 10, Twp 31N, Rng 7W.Name of Well/Wells or Pipeline Serviced NEBU 205, 64AElevation 6560' Completion Date 8-19-93 Total Depth 360' Land Type* Surface: F Mineral: NM-03358Casing, Sizes, Types & Depths 8-5/8" SCH 40 P.V.C. - 100', 7-7/8" Open HoleIf 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, 290'Depths gas encountered: N/AType & amount of coke breeze used: Asbury 3,950#Depths anodes placed: 195' - 338' (15)Depths vent pipes placed: Bottom to 4' above ground level.Vent pipe perforations: Bottom - 240'Remarks: Groundbed is located N 25° W, 99' from #205 wellhead.**RECEIVED**

OCT 14 1993

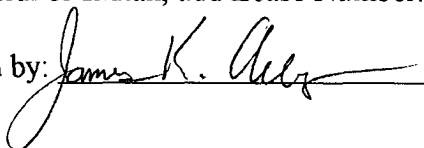
OIL CON. DIV.
DIST. 2

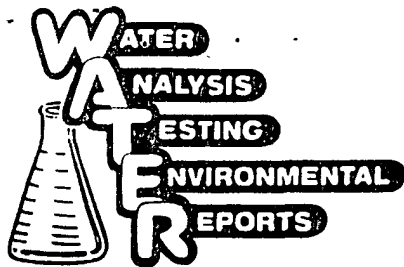
If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

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

If Federal or Indian, add Lease Number.

Signed by:

Title: Operations EngineerDate: 10/12/93



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

Lab Sample No.: W93-306

Standard A.P.I. Water Analysis Report

Collected By: J. Evans

Company: Blackwood and Nichols Co.

Collection Date: 16-Aug-93

Well Name: MC #1

Collection Time: Unknown

Formation: Surface

County: San Juan State: NM

Location: (P) Sec. 10-T31-R7

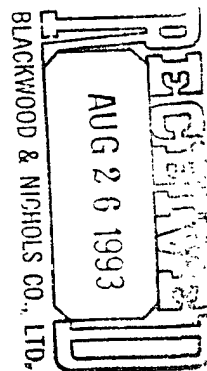
Analyst: S. Spencer

Remarks: Groundbed - Blown from hole at 310'. NEBU #205 & Analysis Date: 8/21/93

64A

Seena Spencer

PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	<u>190</u> mg/l		Chloride, Cl	<u>75</u> mg/l	
Potassium, K	<u>1</u> mg/l		Sulfate, SO ₄	<u>153</u> mg/l	
Calcium, Ca	<u>140</u> mg/l		Hydroxide, OH	<u>0</u> mg/l	
Magnesium, Mg	<u>5</u> mg/l		Carbonate, CO ₃	<u>130</u> mg/l	
Iron, Fe (Total)	<u>0.0</u> mg/l	NR	Bicarbonate, HCO ₃	<u>380</u> mg/l	
Hydrogen Sulfide	<u>0</u> mg/l	?	Resistivity	<u>10.417</u> ohm-m	
pH	<u>9.71</u> Units		(@ 25 Degrees C)		
TDS	<u>639</u> mg/l		Conductivity	<u>960</u> uS	
			Specific Gravity	<u>1.000</u> Units	
			(@ 60 Degrees F)		



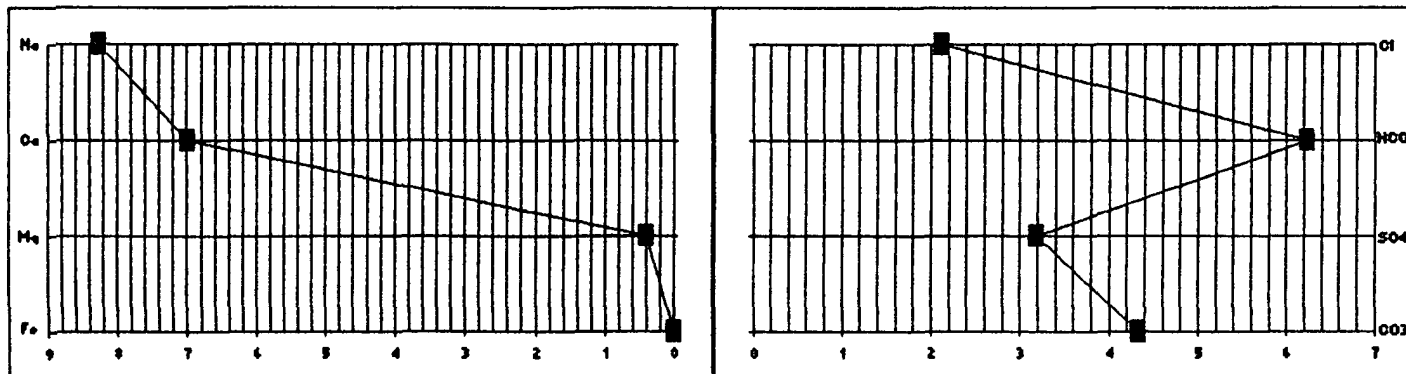
Remarks: Very muddy sample.

Couldn't read H₂S test due to muddiness of sample.

NR = Test Not Run

Anion/Cation: 101.1%

Stiff Diagram



BLACKWOOD & NICHOLS
CATHODIC GROUND BED
DRILLERS REPORT

CP# MC-1 WELL# NEBU#205464A

S 10 T 31/11 R

[illegible]

DRILLER Gene Muntz

INSPECTOR Joe Matysek

BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

P# MC-1 WELL# N.E.B.U. # 205, 1/2 64A

7 S 10 T 31

[illegible]RILLER

INSPECTOR