

## DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS

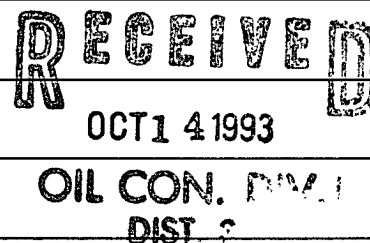
MC-1

NORTHWESTERN NEW MEXICO

(Submit 3 Copies to OCD Aztec Office)

205-30-045-23601  
64A-30-045-23483Operator: BLACKWOOD & NICHOLS CO. Location: Unit P, Sec. 10, Twp 31N, Rng 7W.Name of Well/Wells or Pipeline Served 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 &amp; thickness of water zones with description of water when possible:

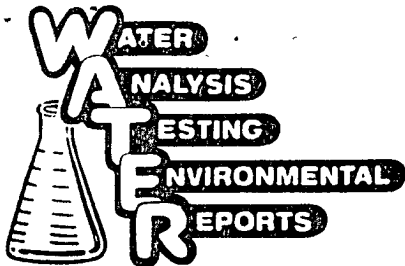
Fresh, Clear, Salty, Sulphur, Etc. Fresh, 290'Depths gas encountered: N/AType & amount of coke breeze used: Asbury 3,950#Depths anodes placed: 195' - 338' (15)Depths vent pipes placed: Bottom to 4' above ground level.Vent pipe perforations: Bottom - 240'Remarks: Groundbed is located N 25° W, 99' from #205 wellhead.

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. AulTitle: 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

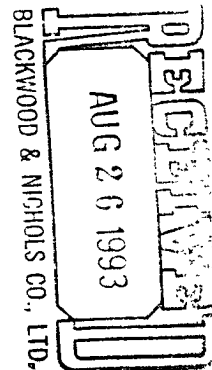
Analyst: S. Spencer

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

64A

*Sam Spencer*

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



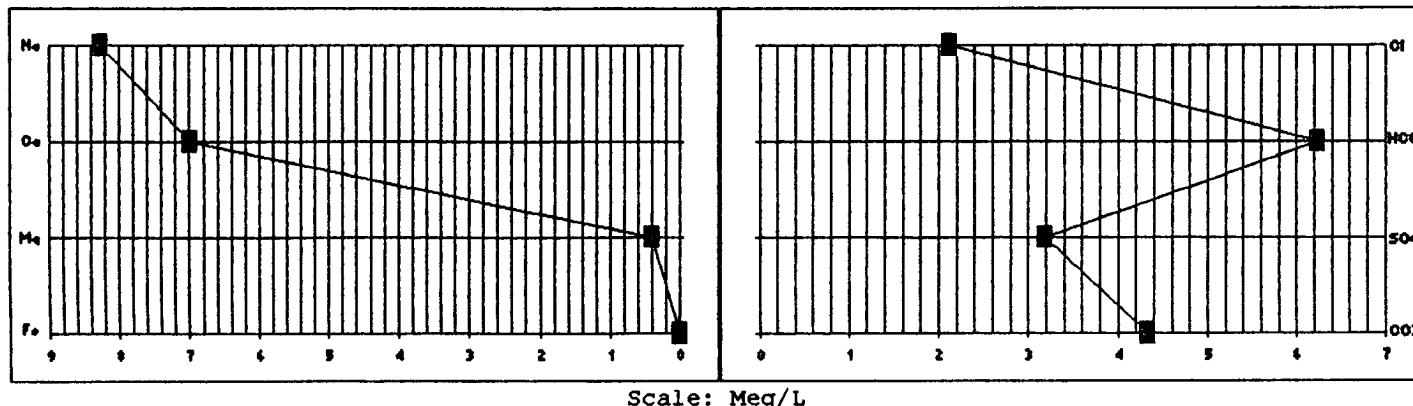
Remarks: Very muddy sample.

Couldn't read H<sub>2</sub>S 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 N R

[illegible]

DRILLER Gene Martinez

INSPECTOR Joe Matyszek

BLACKWOOD & NICHOLS  
CATHODIC GROUND BED  
DRILLERS REPORT

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

P S 10 T 31

[illegible]RILLER 

INSPECTOR