

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS

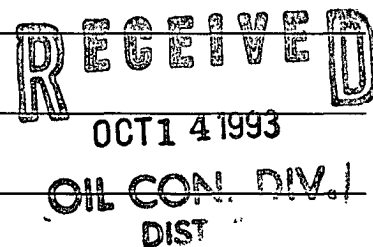
MC-8

NORTHWESTERN NEW MEXICO

(Submit 3 Copies to OCD Aztec Office)

456-
30-045-27416 69- 30-045-24856Operator: BLACKWOOD & NICHOLS CO. Location: Unit H, Sec. 26, Twp 31N, Rng 7W.Name of Well/Wells or Pipeline Served NEBU 456, 69Elevation 6280' Completion Date 8-19-93 Total Depth 450' Land Type* Surface: F Mineral: SF-079010ACasing, 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:

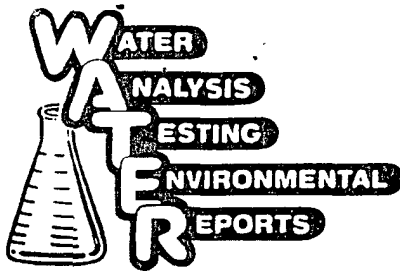
Fresh, Clear, Salty, Sulphur, Etc. Water from 260'Depths gas encountered: N/AType & amount of coke breeze used: 106 sx Asbury Flo-cokeDepths anodes placed: 215' - 420'Depths vent pipes placed: 450' to 4' above ground level.Vent pipe perforations: 110' - 450'Remarks: Groundbed is located at 170' N 21° E of NEBU #456.

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: 10/12/93



1115 Farmington Avenue - Farmington, NM 87401
(505) 325-1085
AUG 23 1993
BLACKWOOD & NICHOLS CO., LTD.
Standard A.P.I. Water Analysis Report

Lab Sample No.: W93-297

Collected By: J. Evans

Company: Blackwood and Nichols Co.

Collection Date: 16-Aug-93

Well Name: MC #8

Collection Time: Unknown

Formation: Surface

County: San Juan State: NM

Location: (H) Sec. 26-T31N-R7W

Analyst: S. Spencer

Remarks: Groundbed from 300' while drilling. NEBU #456 Analysis Date: 8/19/93

S. Spencer

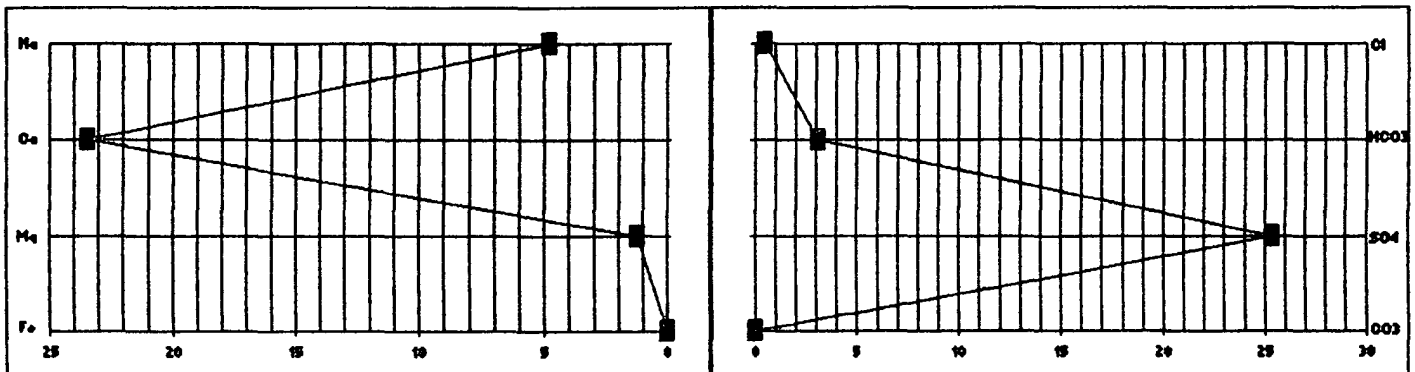
PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	110	mg/l	Chloride, Cl	18	mg/l
Potassium, K	12	mg/l	Sulfate, SO ₄	1219	mg/l
Calcium, Ca	470	mg/l	Hydroxide, OH	0	mg/l
Magnesium, Mg	15	mg/l	Carbonate, CO ₃	0	mg/l
Iron, Fe (Total)	0.0	mg/l NR	Bicarbonate, HCO ₃	190	mg/l
Hydrogen Sulfide	0	mg/l <0.1	Resistivity	4.854	ohm-m
pH	7.67	Units	(@25 Degrees C)		
TDS	1,375	mg/l	Conductivity	2,060	uS
			Specific Gravity	1.000	Units
			(@ 60 Degrees F)		

Remarks: None.

NR = Test Not Run

Anion/Cation: 97.3%

Stiff Diagram



BLACKWOOD & NICHOLS
CATHODIC GROUND BED
DRILLERS REPORT

CP# MC-2 WELL# NEBU#456469

S 26 T 3/N R

DEPTH	STRATA	NOTES	DEPTH	STRATA	NOTES
5'					
10					
15					
20	↑ DANG STONE				
25'					
30'					
35'	↓				
40'					
45'					
50'					
55'					
60'	H				
65'	L				
70'	A	SAME WATER			
75'	H				
80'	S				
85'					
90'					
95'					
100	↓				

DRILLER Gene Martinez

INSPECTOR Joe Matysak

BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

P# MC08 WELL# NEBU # 456 & 469

S 26 T 31

[illegible]

MILLER

INSPECTOR