

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS

MC-8

NORTHWESTERN NEW MEXICO

(Submit 3 Copies to OCD Aztec Office)

Operator: 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

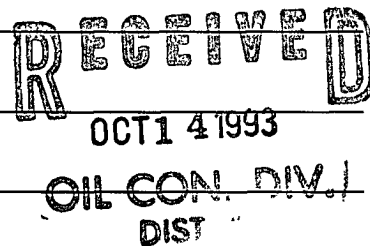
Depths & thickness of water zones with description of water when possible:

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. AllenTitle: Operations EngineerDate: 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

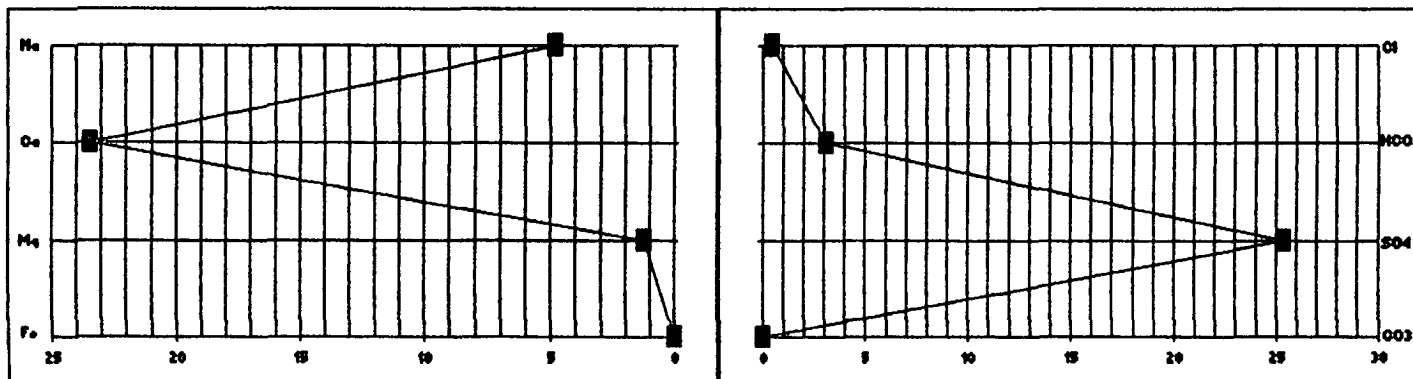
PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	110 mg/l		Chloride, Cl	18 mg/l	
Potassium, K	12 mg/l		Sulfate, SO ₄	1219 mg/l	
Calcium, Ca	470 mg/l		Hydroxide, OH	0 mg/l	
Magnesium, Mg	15 mg/l		Carbonate, CO ₃	0 mg/l	
Iron, Fe (Total)	0.0 mg/l	NR	Bicarbonate, HCO ₃	190 mg/l	
Hydrogen Sulfide	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: 97.38

Stiff Diagram



Scale: Meq/L

BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

CP# 17C-2 WELL# NEBU# 456 #69

S 26 T 3/11 R'

DEPTH	STRATA	NOTES	DEPTH	STRATA	NOTES
5'					
10					
15					
20					
25'					
30'					
35'					
40'					
45'					
50'					
55'					
60'	E				
65'	L				
70'	A	SOME WATER			
75'	H				
80'	S				
85'					
90'					
95'					
100	V				

DRILLER Gene Martinez

INSPECTOR Joe Matysch

BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

P# MC#8 WELL# NEBU#456 & 469

S 26 T 31

[illegible]

RILLER 

INSPECTOR J. E.