

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS

MC-6

NORTHWESTERN NEW MEXICO

(Submit 3 Copies to OCD Aztec Office)

30-045-27508

Operator: BLACKWOOD & NICHOLS CO. Location: Unit K, Sec. 23, Twp 31N, Rng 7W.Name of Well/Wells or Pipeline Served NEBU 434Elevation 6460' Completion Date 8-18-93 Total Depth 340' Land Type* Surface: F Mineral: SF-079010Casing, 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

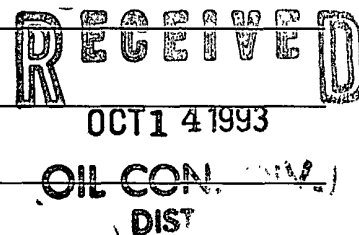
Depths & thickness of water zones with description of water when possible:

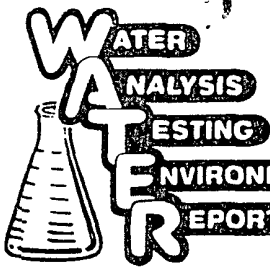
Fresh, Clear, Salty, Sulphur, Etc. Fresh, standing in hole 280'.Depths gas encountered: N/AType & amount of coke breeze used: Asbury Flo-coke - 3,650#Depths anodes placed: 223' - 316' (10)Depths vent pipes placed: (340') Drilled TD to 4' above ground level.Vent pipe perforations: Bottom - 220'Remarks: Groundbed is located at 135° from North and 181' 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.

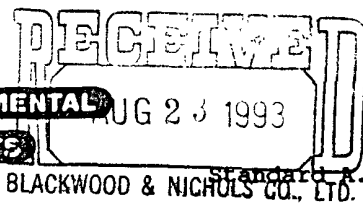
If Federal or Indian, add Lease Number.

Signed by: James K. Ace Title: Operations Engineer Date: 10/12/93



1115 Farmington Avenue - Farmington, NM 87401

(505) 325-1085



Lab Sample No.: W93-296

Standard A.P.I. Water Analysis Report
BLACKWOOD & NICHOLS CO., LTD.

Collected By: J. Evans

Company: Blackwood and Nichols Co.

Collection Date: 16-Aug-93

Well Name: MC - 6

Collection Time: Unknown

Formation: Surface

County: San Juan State: NM

Location: (K) Sec. 23-T31N-R7W

Analyst: S. Spencer

Remarks: Groundbed at 326 feet. NEBU #434

Analysis Date: 8/19/93

S. Spencer

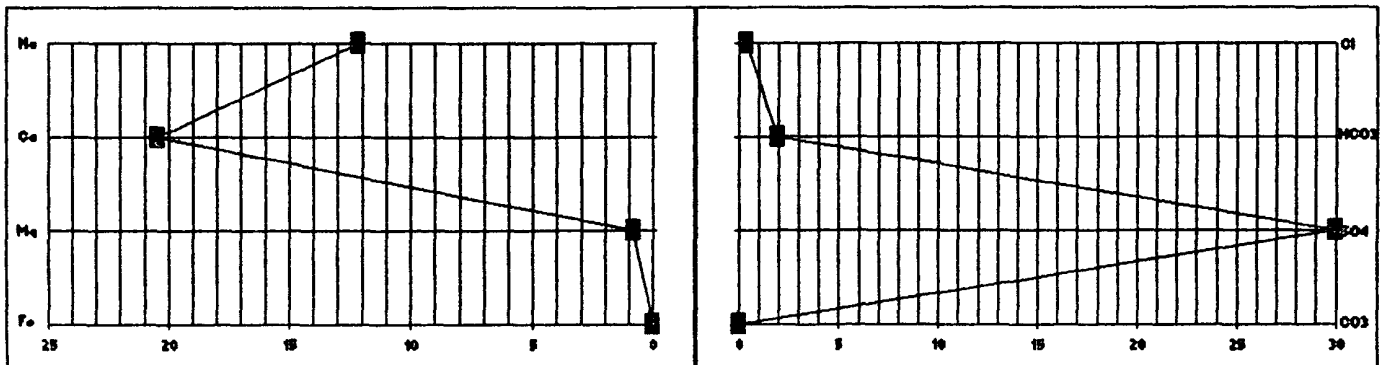
PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	280	mg/l	Chloride, Cl	14	mg/l
Potassium, K	11	mg/l	Sulfate, SO ₄	1440	mg/l
Calcium, Ca	410	mg/l	Hydroxide, OH	0	mg/l
Magnesium, Mg	10	mg/l	Carbonate, CO ₃	0	mg/l
Iron, Fe (Total)	0.0	mg/l NR	Bicarbonate, HCO ₃	120	mg/l
Hydrogen Sulfide	0	mg/l <0.1	Resistivity	3.953	ohm-m
pH	7.98	Units	(@25 Degrees C)		
TDS	1,662	mg/l	Conductivity	2,530	uS
			Specific Gravity	1.000	Units
			(@ 60 Degrees F)		

Remarks: None.

NR = Test Not Run

Anion/Cation: 95.8%

Stiff Diagram



Scale: Meq/L

BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

P# MC-6 WELL# NEBU#434

S23 TFM R7!

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

RILLER Gene Muller

INSPECTOR Joe Matyssek

CATHODIC GROUND BED DRILLERS REPORT

P# MC-6 WELL# NEBU #434

K S 22 T 31 I

[illegible]

RILLER

INSPECTOR