

#7R / 30-039-23759

#407 / 30-039-24217 SS-16

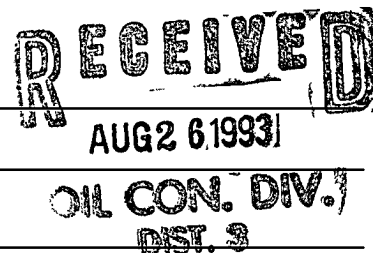
DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS

NORTHWESTERN NEW MEXICO

(Submit 3 Copies to OCD Aztec Office)

Operator: BLACKWOOD & NICHOLS CO. Location: Unit B, Sec. 21, Twp 30N, Rng 7W.Name of Well/Wells or Pipeline Served NEBU 407, 7RElevation 6220' Completion Date 7-22-93 Total Depth 307' Land Type* Surface: F Mineral: SF-079060Casing, 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-IIIf Cement or Bentonite Plugs have been placed, show depths & amounts used N/A

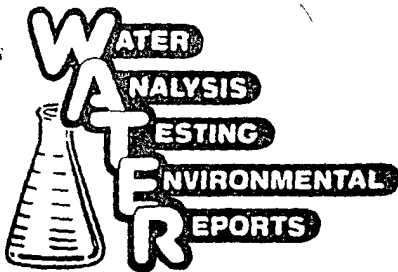
Depths & thickness of water zones with description of water when possible:

Fresh, Clear, Salty, Sulphur, Etc. Muddy water at 170'.Depths gas encountered: N/AType & amount of coke breeze used: 20 sx Loresco and 40 sx AsburyDepths anodes placed: 160' to 298'Depths vent pipes placed: 307' to 4' above ground levelVent pipe perforations: 307' to 107'Remarks: Groundbed located 396' 563° W of NEBU 407.

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. AbbottTitle: Operations EngineerDate: 8/11/93



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

Lab Sample No.: W93-241

Standard A.P.I. Water Analysis Report

Collected By: J. Evans

Company: Blackwood and Nichols Co.

Collection Date: 22-Jul-93

Well Name: SS-16

Collection Time: Unknown

Formation: Surface

County: Rio Arriba State: NM

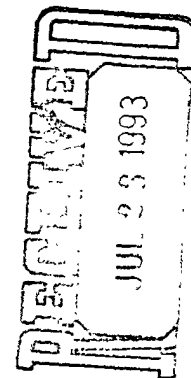
Location: (B) Sec21-T30N-R7W

Analyst: K. Lambdin Karen C Lambdin

Remarks: Groundbed wellbore at 170 feet. SS-16

Analysis Date: 7/25/93

PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium , Na	240	mg/l	Chloride , Cl	25	mg/l
Potassium, K	12	mg/l	Sulfate, SO4	1454	mg/l
Calcium , Ca	405	mg/l	Hydroxide, OH	0	mg/l
Magnesium , Mg	14	mg/l	Carbonate, CO3	0	mg/l
Iron, Fe (Total)	0.0	mg/l NR	Bicarbonate, HCO3	142	mg/l
Hydrogen Sulfide	0	mg/l <5	Resistivity	3.774	ohm-m
pH	7.79	Units	(@25 Degrees C)		
TDS	1,733	mg/l	Conductivity	2,650	uS
			Specific Gravity	1.000	Units
			(@ 60 Degrees F)		

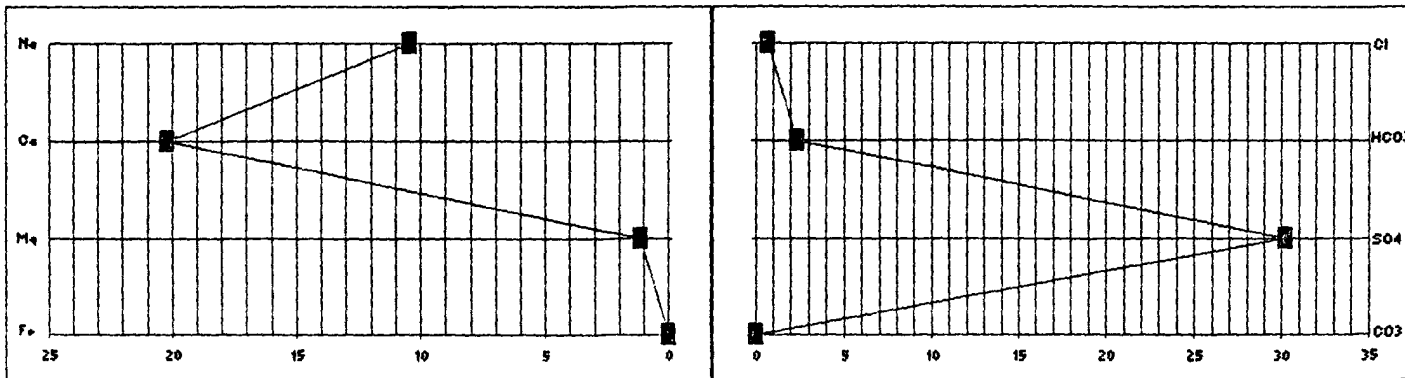


Remarks: Sample not collected properly for an accurate H2S determination.

NR = Test Not Run

Anion/Cation: 103.68

Stiff Diagram



Scale: Meq/L

BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

CP# SS 16 WELL# NEB 40747R

S 21 T 30 N 74

DEPTH	STRATA	NOTES
5'		
10'		
15'		
20'		
25'		
30'		
35'		
40'		
45'		
50'	X ← WET SHALE	
55'	X	
60'		
65'		
70'		
75'		
80'		
85'		
90'		
95'		
100'		

DRILLER Jose Martinez

INSPECTOR John M. [Signature]

BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

CP# 55416 WELL# NEBU = 407 + #7R

S 21 T 30 R 07

[illegible]

DRILLER 

INSPECTOR John D. Evans