

#7R/30-039-23759

#407/30-039-24217 SS-16

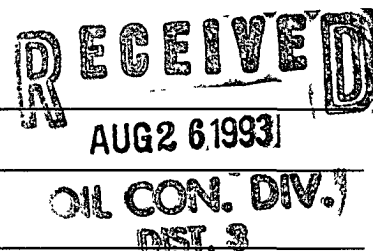
DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS

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 Engineer Date: 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

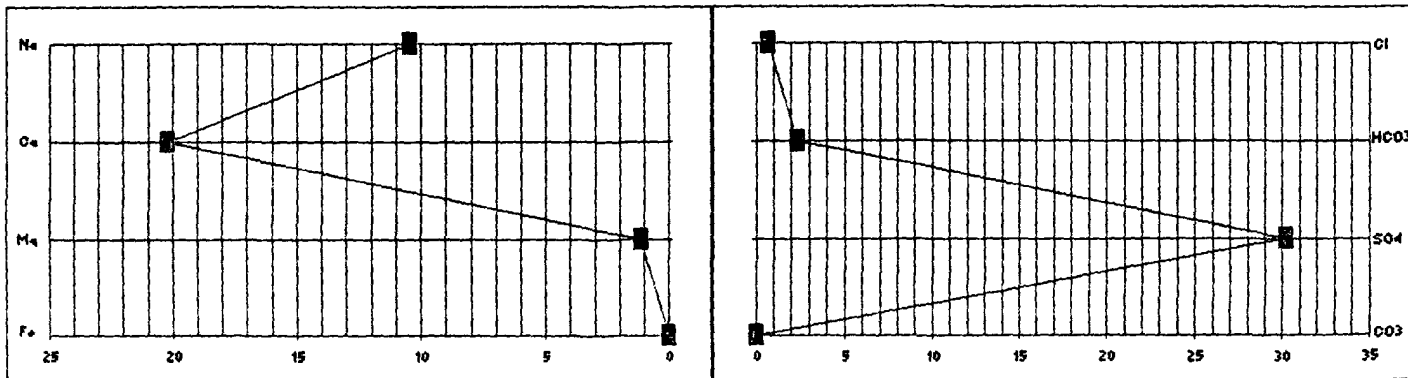
PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	240	mg/l	Chloride, Cl	25	mg/l
Potassium, K	12	mg/l	Sulfate, SO ₄	1454	mg/l
Calcium, Ca	405	mg/l	Hydroxide, OH	0	mg/l
Magnesium, Mg	14	mg/l	Carbonate, CO ₃	0	mg/l
Iron, Fe (Total)	0.0	mg/l NR	Bicarbonate, HCO ₃	142	mg/l
Hydrogen Sulfide	0	mg/l <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: 103.6%

Stiff Diagram



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JUL 28 1993

BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

CP# SS 16 WELL# NEB 40747R

S 21 T 30 R 14

[illegible]

DRILLER perse martinez

INSPECTOR John M. [Signature]

BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

CP# 554/6 WELL# NEBU = 407 + #7R

S 21 T 30 R 07

[illegible]

DRILLER 

INSPECTOR John D. Evans