

NORTHWESTERN NEW MEXICO
(Submit 3 Copies to OCD Aztec Office)

30-045-24220

3593

Operator: BLACKWOOD & NICHOLS CO. Location: Unit F, Sec. 32, Twp 31N, Rng 7W.Name of Well/Wells or Pipeline Serviced NEBU 47AElevation 6350' Completion Date 9-23-93 Total Depth 430' Land Type* Surface: S Mineral: E-292-9Casing, 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

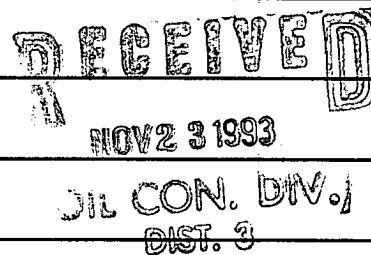
Depths & thickness of water zones with description of water when possible:

Fresh, Clear, Salty, Sulphur, Etc. Clear, 290'Depths gas encountered: N/AType & amount of coke breeze used: Asbury Flo-Coke - 5,500#.Depths anodes placed: 140' - 365'Depths vent pipes placed: Bottom to 4' Above Ground LevelVent pipe perforations: Bottom - 320'Remarks: Groundbed located North 143' from NEBU 47A.

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: 11/19/93



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

Lab Sample No.: W93-372

Standard A.P.I. Water Analysis Report

Collected By: J. Evans

Company: Blackwood and Nichols Co.

Collection Date: 9/16/93

Well Name: MA #21

Collection Time: Unknown

Formation: Groundbed

County: Unknown State: Unknown

Location: Unknown

Analyst: K. Lambdin & S. Spencer

Remarks: 370 feet

Analysis Date: 9/21/93

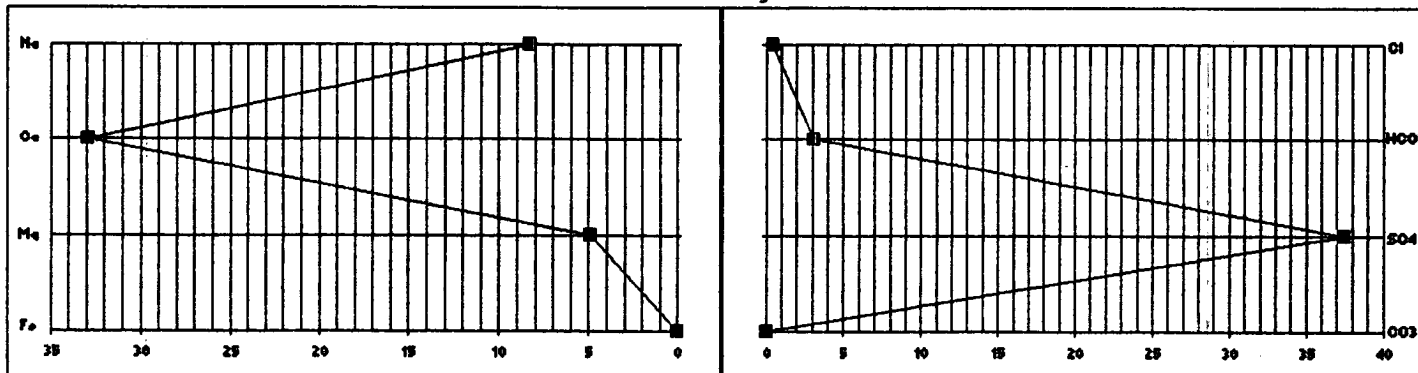
PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium , Na	190 mg/l		Chloride , Cl	15 mg/l	
Potassium, K	25 mg/l		Sulfate, SO ₄	1800 mg/l	
Calcium , Ca	660 mg/l		Hydroxide, OH	0 mg/l	
Magnesium , Mg	60 mg/l		Carbonate, CO ₃	0 mg/l	
Iron, Fe (Total)	0 mg/l	NR	Bicarbonate, HCO ₃	190 mg/l	
Hydrogen Sulfide	0 mg/l	<1.0	Resistivity	3.472 ohm-m	
pH	7.60 Units		(@25 Degrees C)		
TDS	1,950 mg/l		Conductivity	2,880 uS	
			Specific Gravity	1.000 Units	
			(@ 60 Degrees F)		

Remarks: Muddy sample.

NR = Test Not Run

Anion/Cation: 87.6%

Stiff Diagram



CATHODIC GROUND BED DRILLERS REPORT

7A-21 WELL# NEBU#47A

S 22 T 31 N 71

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INSPECTOR J. C. W. W. W. W. W.

CATHODIC GROUND BED DRILLERS REPORT

7A-21 WELL# N.E.B.U. #7A

F S 32 T 31

[illegible]

LER

INSPECTOR *MDM*