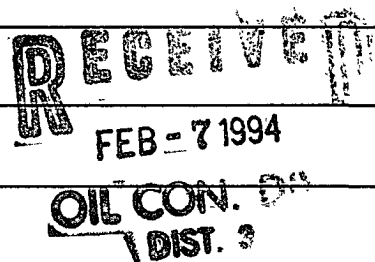


NORTHWESTERN NEW MEXICO
(Submit 3 Copies to OCD Aztec Office)

4258

Operator: BLACKWOOD & NICHOLS CO. Location: Unit B, Sec. 6, Twp 30N, Rng 7W.Name of Well/Wells or Pipeline Served NEBU 451, 37451-30-045-2732737-30-045-13344Elevation 6180' Completion Date 11-12-93 Total Depth 495' Land Type* Surface: F Mineral: SF-079042Casing, Sizes, Types & Depths 8-5/8" SCH 40 P.V.C. - 100'If 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. Water at 140'Depths gas encountered: N/AType & amount of coke breeze used: 142sx Asbury Flo-CokeDepths anodes placed: 140' - 415'Depths vent pipes placed: 480' to 4' Above Ground LevelVent pipe perforations: 100' - 480'Remarks: Groundbed located 224' S 57° E of NEBU #451.

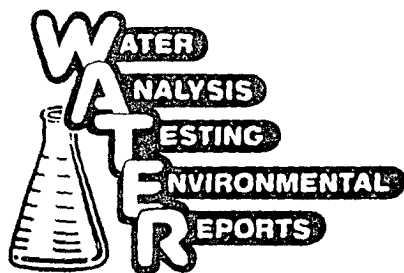
If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.
If Federal or Indian, add Lease Number.

Signed by:

A handwritten signature in dark ink, appearing to read "James K. Allen".

Title: Operations EngineerDate: 2/3/94



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

Lab Number:

W93-485

Standard A.P.I. Water Analysis Report

Company: BLACKWOOD & NICHOLS CO., LTD. Date Collected: 11/11/93
Well Name: P-16; NEBU #451 Date Received: 11/12/93
Formation: Date Analyzed: 11/13/93
Location: SEC. 06-T30N-R7W County: San Juan State: New Mexico
Collected By: J. Evans Analyst: Sheila Feltman
Remarks: GROUND BED - DRILLING @ 150'

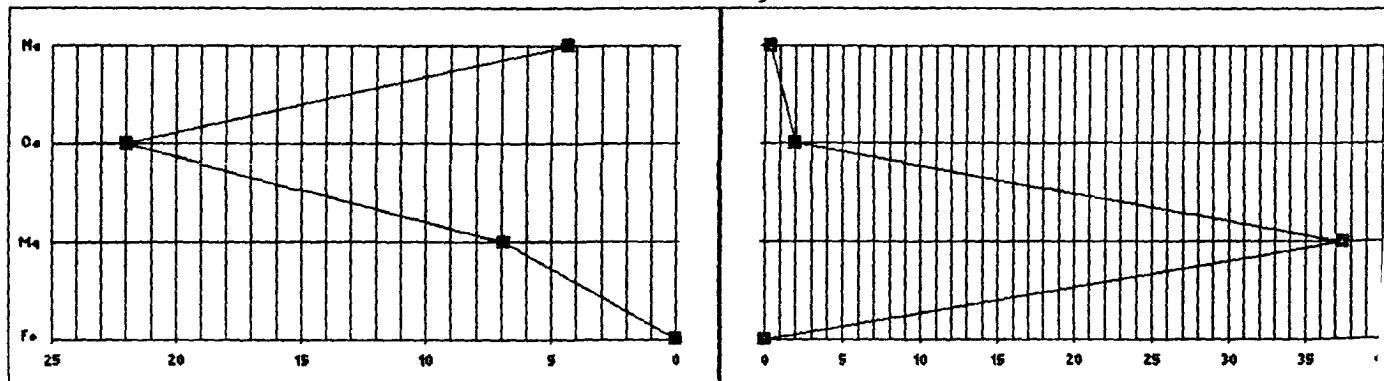
PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	100 mg/l		Chloride, Cl	13 mg/l	
Potassium, K	3 mg/l		Sulfate, SO ₄	1800 mg/l	
Calcium, Ca	440 mg/l		Hydroxide, OH	0 mg/l	
Magnesium, Mg	84 mg/l		Carbonate, CO ₃	0 mg/l	
Iron, Fe (Total)	0 mg/l	NOT RUN	Bicarbonate, HCO ₃	120 mg/l	
Hydrogen Sulfide	0 mg/l	<0.1 mg/l	Resistivity	3.953 ohm-m	
pH	7.9 units		(@ 25 Degrees C)		
Total Dissolved Solids:	2,480 mg/l		Conductivity	2,530 uS	
			Specific Gravity	1.0031	
			(@ 60 Degrees F)		

Remarks:

RECEIVED
NOV 16 1993
BLACKWOOD & NICHOLS CO. LTD.
Stiff Diagram

Anion/Cation:

119



Scale: Meq/L

CATHODIC GROUND BED DRILLERS REPORT

P-16 WELL# NEBU # 451 + # 37

N S 6 T 30-0'

TH	STRATA	NOTES	DEPTH	STRATA	NOTES
0'	BOULDERS ↑ 17 ft. ↓				
5'					
10'					
15'					
20'					
25'		SHALE			
30'	X				
35'		SANDSTONE			
40'					
45'					
50'					
55'	SHALE ↓				
60'					
65'					
70'					
75'					
80'	X				
85'					
90'					
95'					
100'		SANDSTONE			
110'	↓				

LER _____

INSPECTOR

71-5

0-031. 2 S

[illegible]

INSPECTOR

LEW