

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

4257

Operator: BLACKWOOD & NICHOLS CO. Location: Unit A, Sec. 12, Twp 30N, Rng 8W.Name of Well/Wells or Pipeline Serviced NEBU 467, 30467 - 30-045-21353 30 - 30-045-09137Elevation 6380' Completion Date 12-4-93 Total Depth 495' Land Type* Surface: F Mineral: SF-078581Casing, 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

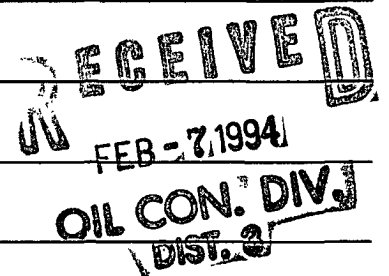
Depths & thickness of water zones with description of water when possible:

Fresh, Clear, Salty, Sulphur, Etc. Clear, 280' of standing waterDepths gas encountered: N/AType & amount of coke breeze used: Asbury Flo Coke 6,000#Depths anodes placed: 153' - 423'Depths vent pipes placed: Bottom to 4' Above Ground LevelVent pipe perforations: Bottom - 380'Remarks: Groundbed located 249' N 30° E of NEBU #467 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. AllenTitle: Operations EngineerDate: 2/3/94



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

Lab Number:

W93-508

Standard A.P.I. Water Analysis Report

Company: BLACKWOOD & NICHOLS CO., LTD. Date Collected: 12/3/93
Well Name: P-8; NEBU #467 & #30 Date Received: 12/6/93
Formation: San Jose Date Analyzed: 12/8/93
Location: UNIT A SEC.12-T30-R08 County: San Juan State: New Mexico
Collected By: J. Evans Analyst: Sheila Feltman *Sheila*
Remarks: Groundbed - Drilling @ 310'

PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	59 mg/l		Chloride, Cl	12 mg/l	
Potassium, K	5 mg/l		Sulfate, SO4	1230 mg/l	
Calcium, Ca	490 mg/l		Hydroxide, OH	0 mg/l	
Magnesium, Mg	29 mg/l		Carbonate, CO3	0 mg/l	
Iron, Fe (Total)	0 mg/l	NOT RUN	Bicarbonate, HCO3	170 mg/l	
Hydrogen Sulfide	0 mg/l	<0.1 mg/L	Resistivity	4.39 ohm-m	
pH	8.0 units		(@ 25 Degrees C)		
Total Dissolved Solids	2,140 mg/l		Conductivity	2,280 uS	
			Specific Gravity	1.004	
			(@ 60 Degrees F)		

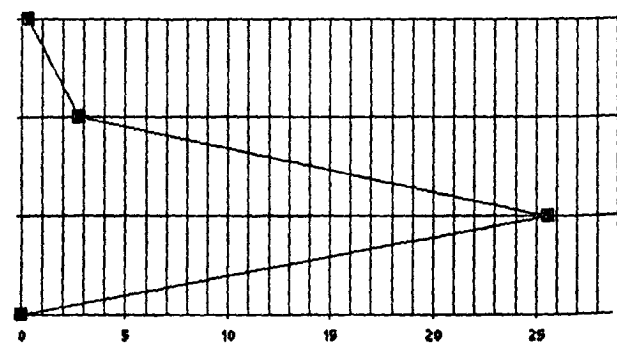
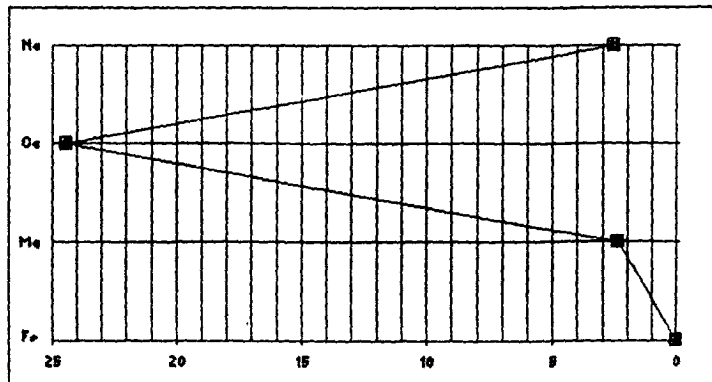
Remarks:

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DEC 10 1993

BLACKWOOD & NICHOLS CO., LTD.

Stiff Diagram

Anion/Cation:



Scale: Meq/L

CATHODIC GROUND BED DRILLERS REPORT

P-8 WELL # NEBU # 467 + 30

S 12 T 30 N R 8 W

TH	STRATA	NOTES	DEPTH	STRATA	NOTES
0	X	TOP SOIL			
5'					
10'					
15'	X	16' AF BOULDERS			
20'					
25'		SANDSTONE			
30'					
35'	X				
40'					
45'		SHALE			
50'	X				
55'					
60'					
65'					
70'					
75'					
80'					
85'					
90'	S				
95'					
100'	✓				

LER

INSPECTOR

Joe Matyssek

CATHODIC GROUND BED DRILLERS REPORT

P-8

WELL# N.E.B.U. #467, #30

AS 12 T 30-8

[illegible]

LER

INSPECTOR *MDM.*