

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

4260

Operator: BLACKWOOD & NICHOLS CO. Location: Unit F, Sec. 6, Twp 30N, Rng 7W.Name of Well/Wells or Pipeline Served NEBU 23A

30-045-22887

Elevation 6342' Completion Date 12-5-93 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. 305' Standing Water.Depths gas encountered: N/AType & amount of coke breeze used: Asbury - 33 sxDepths anodes placed: 435' - 379' (9)Depths vent pipes placed: Bottom to 2' Above Ground LevelVent pipe perforations: Bottom - 273'Remarks: Groundbed located 180°, 265° from North of NEBU #23A 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. AleeTitle: Operations Engineer Date: 2/3/94



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

Lab Number:

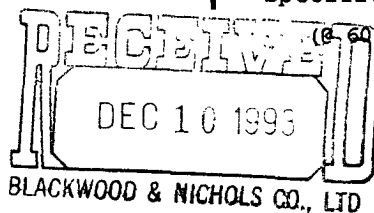
W93-509

Standard A.P.I. Water Analysis Report

Company: BLACKWOOD & NICHOLS CO., LTD. Date Collected: 12/2/93
Well Name: P-15; NEBU #23A Date Received: 12/6/93
Formation: San Jose Date Analyzed: 12/8/93
Location: UNIT F SEC.6-T30N-R07W County: San Juan State: New Mexico
Collected By: J. Evans Analyst: Sheila Feltman *Sheila*
Remarks: Groundbed - Drilling @ 340'

PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	100	mg/l	Chloride, Cl	3	mg/l
Potassium, K	6	mg/l	Sulfate, SO ₄	1340	mg/l
Calcium, Ca	530	mg/l	Hydroxide, OH	0	mg/l
Magnesium, Mg	36	mg/l	Carbonate, CO ₃	0	mg/l
Iron, Fe (Total)	0	mg/l NOT RUN	Bicarbonate, HCO ₃	180	mg/l
Hydrogen Sulfide	0	mg/l <0.1 mg/L	Resistivity	3.82	ohm-m
pH	8.1	units	(@25 Degrees C)		
Total Dissolved Solids	2,510	mg/l	Conductivity	2,620	uS
			Specific Gravity	1.004	
			(@60 Degrees F)		

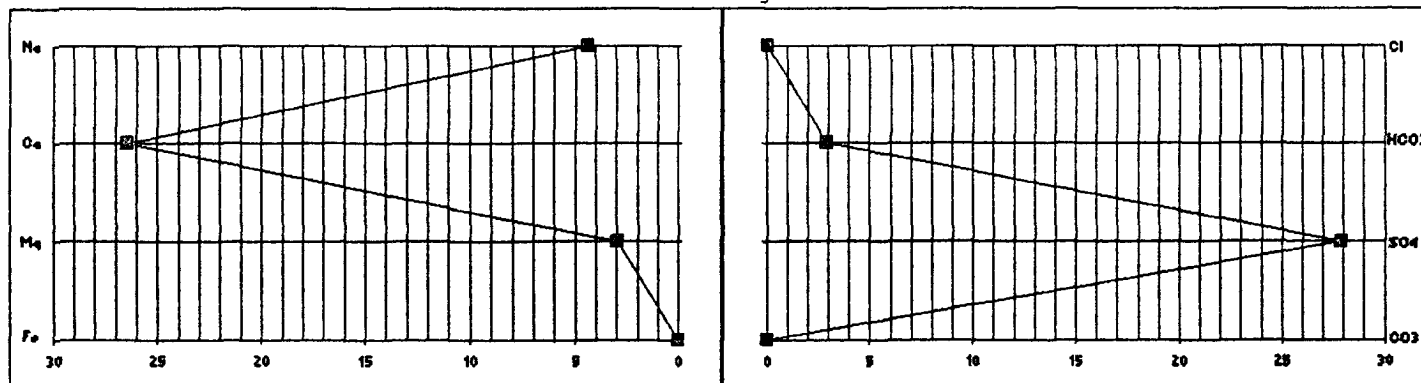
Remarks:



Anion/Cation:

918

Stiff Diagram



Scale: Meq/L

BLACKHOOD & NICHOLS
CATHODIC GROUND BED
DRILLERS REPORT

R7W

P/15 WELL # NEBU 23A

S 6 T30-N

TH	STRATA	NOTES	DEPTH	STRATA	NOTES
2'	SOIL Boulders				
5'					
10'					
15'					
20'					
25'					
30'	SANDSTONE				
35'					
40'					
45'					
50'					
55'					
60'	SHALE				
65'					
70'					
75'					
80'					
85'					
90'	SHALE				
95'					
100'					

LER PL

INSPECTOR Joe Mityush

BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

F S 6 T 30-7

[illegible]

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MON.