

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 Copies to OCD Aztec Office)

P-14

4261

Operator: BLACKWOOD & NICHOLS CO. Location: Unit A, Sec. 1, Twp 30N, Rng 8W.

Name of Well/Wells or Pipeline Served NEBU 465, 36

465-30-045-21326 36 - 30-045-09954

Elevation 6430' Completion Date 12-4-93 Total Depth 495' Land Type* Surface: F Mineral: SF-078581

Casing, 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-II

If 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. 380' - Small Amount, Damp at 180'

Depths gas encountered: N/A

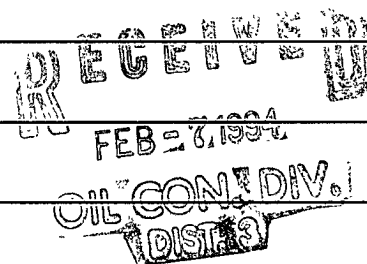
Type & amount of coke breeze used: Asbury

Depths anodes placed: 427' - 210' (15)

Depths vent pipes placed: Bottom to 4' Above Ground Level

Vent pipe perforations: Bottom - 380'

Remarks: Groundbed located 178° North and 122' from NEBU 465 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.

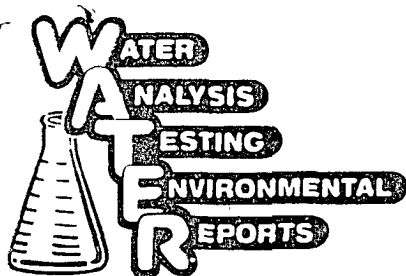
*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.
If Federal or Indian, add Lease Number.

Signed by:

James K. All

Title: Operations Engineer

Date: 2/3/94



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

Lab Number:

W93-510

Standard A.P.I. Water Analysis Report

Company: BLACKWOOD & NICHOLS CO., LTD. Date Collected: 12/1/93
Well Name: P-14; NEBU #465 & #36 Date Received: 12/8/93
Formation: San Jose Date Analyzed: 12/8/93
Location: UNIT A SEC.1-T30N-R08W County: San Juan State: New Mexico
Collected By: J. Evans Analyst: Sheila Feltman *Sheila*
Remarks: Groundbed - Drilling @ 360'

PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	38 mg/l		Chloride, Cl	9 mg/l	
Potassium, K	4 mg/l		Sulfate, SO ₄	340 mg/l	
Calcium, Ca	140 mg/l		Hydroxide, OH	0 mg/l	
Magnesium, Mg	5 mg/l		Carbonate, CO ₃	0 mg/l	
Iron, Fe (Total)	0 mg/l	NOT RUN	Bicarbonate, HCO ₃	93 mg/l	
Hydrogen Sulfide	0 mg/l	<0.1 mg/L	Resistivity	11.4 ohm-m	
pH	7.6 units		(@25 Degrees C)		
Total Dissolved Solids	680 mg/l		Conductivity	880 uS	
			Specific Gravity	1.003	
			(@ 60 Degrees F)		

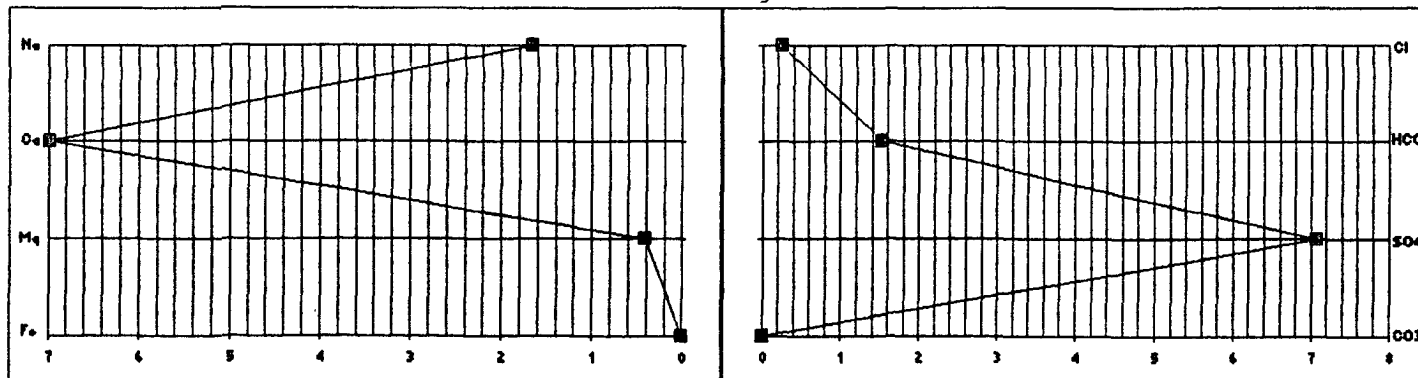
Remarks:

RECEIVED
DEC 10 1993
BLACKWOOD & NICHOLS CO., LTD.

Anion/Cation:

978

Stiff Diagram



Scale: Meq/L

BLACKWOOD & NICHOLS
CATHODIC GROUND BED
DRILLERS REPORT

P-14 WELL # N.E.B.U. #465, #36

A S 1 T 30-8

[illegible]

LER Mack A. Spruill

INSPECTOR MM

BLACKWOOD & NICHOLS
CATHODIC GROUND BED
DRILLERS REPORT

P-14

WELL# N.E.B.U. #465, #36

AS 1 T30-8

TH	STRATA	NOTES	DEPTH	STRATA	NOTES
0-100	Casing				
100-130	Sandstone				
130-140	Shale				
140-150	Sandstone				
150-160	Sandstone				
160-170	Sandstone				
170-180	Shale				
180-190	Sandstone				
190-200	Sandstone				
200-210	Shale				
210-220	Sandstone				
220-230	Sandstone				
230-240	Sandstone				
240-250	Sandstone				
250-260	Sandstone				
260-270	Sandstone				
270-280	Sandstone				
280-290	Sandstone				
290-300	Sandstone				
300-310	Sandstone				
310-320	Sandstone				
320-330	Sandstone				
330-340	Sandstone				
340-350	Sandstone				
350-360	Sandstone				
360-370	Sandstone				
370-380	Sandstone				
380-390	Sandstone				
390-400	Sandstone				
400-410	Sandstone				
410-420	Sandstone				
420-430	Sandstone				
430-440	Sandstone				
440-450	Sandstone				
450-460	Sandstone				
460-470	Sandstone				
470-480	Sandstone				
480-490	Sandstone				
490-500	Sandstone				

ER DP

INSPECTOR MDM