

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

P-6

4250

Operator: BLACKWOOD & NICHOLS CO. Location: Unit L, Sec. 7, Twp 30N, Rng 7W.

Name of Well/Wells or Pipeline Serviced NEBU 461, 30A

461-30-045-28222

30A-30-045-22890

SF-078581

Elevation 6320' Completion Date 12-6-93 Total Depth 495' Land Type* Surface: F Mineral: SF-079042

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. Clear, 290'

Depths gas encountered: N/A

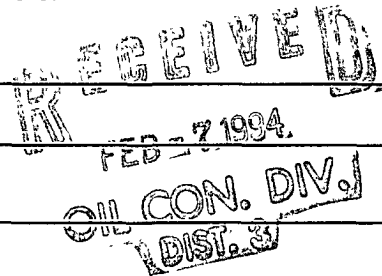
Type & amount of coke breeze used: Loresco - 6000#

Depths anodes placed: 296' - 460'

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

Vent pipe perforations: Bottom - 360'

Remarks: _____



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. Alb

Title: Operations Engineer

Date: 2/3/94



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

Lab Number:

W93-507

Standard A.P.I. Water Analysis Report

Company: BLACKWOOD & NICHOLS CO., LTD. Date Collected: 12/4/93
Well Name: P-6; NEBU #461 & #30A Date Received: 12/6/93
Formation: San Jose Date Analyzed: 12/8/93
Location: UNIT I SEC.12-T30-R08 County: San Juan State: New Mexico
Collected By: J. Evans Analyst: Sheila Feltman *Sheila*
Remarks: Groundbed - Drilling - H2O @ 290'

PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	95	mg/l	Chloride, Cl	31	mg/l
Potassium, K	5	mg/l	Sulfate, SO4	1340	mg/l
Calcium, Ca	580	mg/l	Hydroxide, OH	0	mg/l
Magnesium, Mg	24	mg/l	Carbonate, CO3	0	mg/l
Iron, Fe (Total)	0	mg/l NOT RUN	Bicarbonate, HCO3	190	mg/l
Hydrogen Sulfide	0	mg/l <0.1 mg/L	Resistivity	3.75	ohm-m
pH	8.1	units	(@25 Degrees C)		
Total Dissolved Solids	2,560	mg/l	Conductivity	2,670	us
			Specific Gravity	1.004	
			(@ 60 Degrees F)		

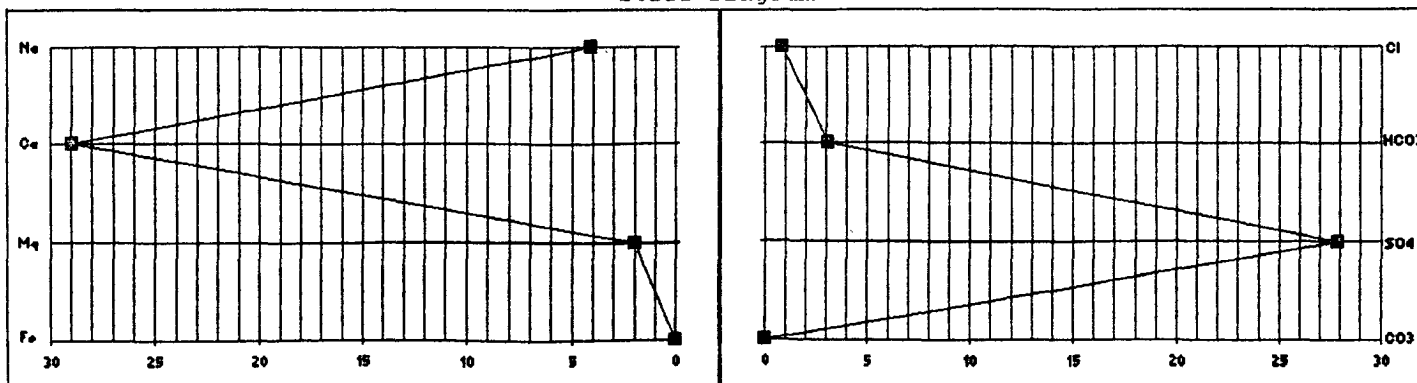
Remarks:

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

Anion/Cation:

91%

Stiff Diagram



Scale: Meq/L

CATHODIC GROUND BED
DRILLERS REPORT

P8W

S 12 T30N

P-6 WELL # NEBU # 467 + 30A

TH	STRATA	NOTES	DEPTH	STRATA	NOTES
0'	X	TOP SOIL			
5'	X	BOULDERS 13 FT.			
10'					
15'	X				
20'					
25'					
30'					
35'					
40'					
45'					
50'					
55'					
60'					
65'					
70'					
75'					
80'					
85'					
90'					
95'					
100'					

SNAIL STONE

SHALE

LER PL

INSPECTOR Joe Matyssek

CATHODIC PROTECTANT
DRILLERS REPORT

P-6

WELL# NEBU. #467, #30-A

LS 7 T30-7

TH	STRATA	NOTES	DEPTH	STRATA	NOTES
0-100	Casing				
100-150	Sandstone				
150-170	Shale				
170-200	Sandstone				
200-210	Shale				
210-220	Sandstone				
220-230	Sandstone				
230-240	Shale				
240-250	Shale				
250-260	Sandstone				
260-270	Sandstone				
270-280	Shale				
280-290	Shale				
290-300	Sandstone				
300-310	Sandstone				
310-320	Shale				
320-330	Shale				
330-340	Sandstone				
340-350	Sandstone				
350-360	Shale				
360-370	Shale				
370-380	Sandstone				
380-390	Sandstone				
390-400	Shale				
400-410	Shale				
410-420	Sandstone				
420-430	Sandstone				
430-440	Shale				
440-450	Shale				
450-460	Sandstone				
460-470	Sandstone				
470-480	Sandstone				
480-490	Sandstone				
490-500	Sandstone				
500-510	Sandstone				
510-520	Sandstone				
520-530	Sandstone				
530-540	Sandstone				
540-550	Sandstone				
550-560	Sandstone				
560-570	Sandstone				
570-580	Sandstone				
580-590	Sandstone				
590-600	Sandstone				

LER PL

INSPECTOR MDM