

55-13

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS

413R - 30-039-24946

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

413 - 30-039-24216

19

30-039-07819

Operator: BLACKWOOD & NICHOLS CO. Location: Unit A, Sec. 20, Twp 30N, Rng 7W.

Name of Well/Wells or Pipeline Served NEBU 413R, 413, 19

Elevation 6280' Completion Date 7-21-93 Total Depth 455' Land Type* Surface: F Mineral: SF-079060

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, water at 250', Damp at 132' and 160', no Sample taken

Depths gas encountered: N/A

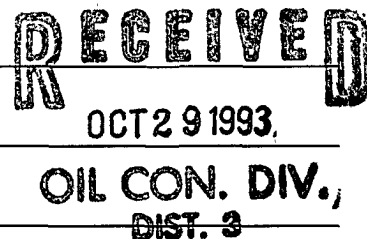
Type & amount of coke breeze used: Lorasco & Asbury - 29 sx and 80 sx

Depths anodes placed: 149' to 420'

Depths vent pipes placed: 455' to 4' above ground level

Vent pipe perforations: 115' to 455'

Remarks: Groundbed is located 255° SW of North and 185' from NEBU 413R 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. Allen

Title: Operations Engineer

Date: 10/14/93

BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

P# SS13 WELL# NER 413R-413719

S 20 T 304 R 74

[illegible]

CALLER Jesse Martin

INSPECTOR Joe Matyssek

BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

SS # # #
P# 13 WELL# N.E.B.U. 413, 413R, 19

A S 20 T 30 R 7

DEPTH	STRATA	NOTES
0-100	CASING	
100-145	grey Sandstone	(very wet @ 130')
145-160	Grey Shale	
160-185	Grey Sandstone	
185-200	Grey Shale	
200-225	Grey Sandstone	
225-250	Grey Shale	
250-295	Grey Sandstone	(lots of water @ 250')
295-315	Grey Shale	
315-350	Grey Sandstone	
350-355	Grey Shale	
355-375	Grey Sandstone	
375-385	Grey Shale	
385-460	Grey Sandstone	

RILLER 

INSPECTOR *MDM*