

30-045-21782 GRAMBLING #3-A

30-045-13085 GRAMBLING #4

31663

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO



Operator Merrillian Oil Location: Unit E Sec: 22 Twp 29 Rng 7

Name of Well/Wells or Pipeline Serviced Rock Island #1

Grambling 3A, Grambling #4

Elevation 5779 Completion Date 5-26-93 Total Depth 309' Land Type F

Casing Strings, Sizes, Types & Depths Set 99' of 8" P.O.C.

If Casing Strings are cemented, show amounts & types used Cemented
with 52 sacks

If Cement or Bentonite Plugs have been placed, show depths & amounts used
No plugs

Depths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. 135' and was clear

Depths gas encountered: No gas

Ground bed depth with type & amount of coke breeze used: 309' with
40 (100 lb) sacks of boreseco sand

Depths anodes placed: #1 is at 275' and #15 is at 120'

Depths vent pipes placed: Bottom to Surface

Vent pipe perforations: up to 120'

Remarks: _____

RECEIVED
JAN 31 1994

OIL CON. DIV.

DIST. 3

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.



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

Lab Sample No.: W93-157

Standard A.P.I. Water Analysis Report

Collected By: R. Smith

Company: Meridian Oil Inc.

Collection Date: unknown

Well Name: Rock Island #1 *2520*

Collection Time: unknown

Formation: Dakota

County: San Juan State: NM

Location: (E) Sec. 22-T29-R9

Analyst: K. Lambdin & S. Spencer

Remarks: Attn: Bill Donahue Ground Bed

Seamus Spencer

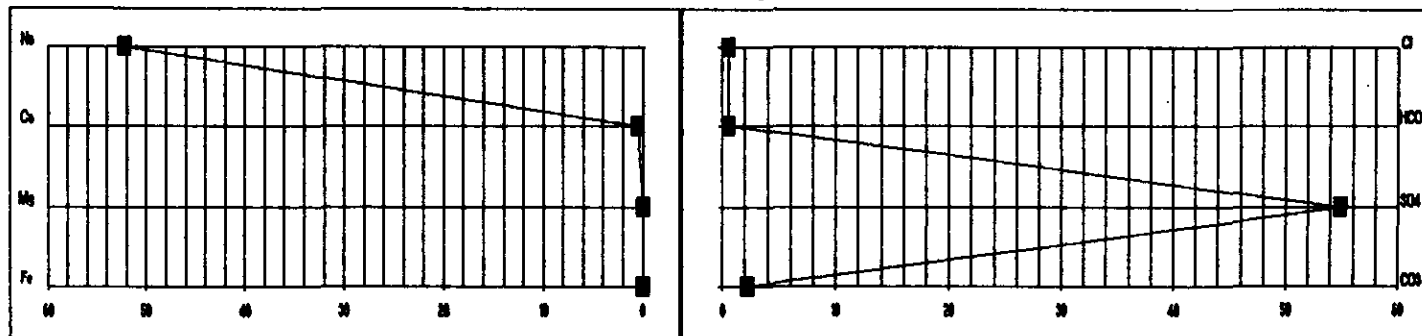
PARAMETER	AS ION	Comment	PARAMETER	AS ION	Comment
Sodium, Na	<u>1,200</u> mg/l		Chloride, Cl	<u>20</u> mg/l	
Potassium, K	<u>7</u> mg/l		Sulfate, SO ₄	<u>2640</u> mg/l	
Calcium, Ca	<u>11</u> mg/l		Hydroxide, OH	<u>0</u> mg/l	
Magnesium, Mg	<u>0</u> mg/l	<5	Carbonate, CO ₃	<u>67</u> mg/l	
Iron, Fe (Total)	<u>0.0</u> mg/l	NR	Bicarbonate, HCO ₃	<u>31</u> mg/l	
Hydrogen Sulfide	<u>0</u> mg/l	NR	Resistivity	<u>2.132</u> ohm-m	
pH	<u>9.70</u> Units		(@25 Degrees C)		
TDS	<u>4,130</u> mg/l		Conductivity	<u>4,690</u> uS	
			Specific Gravity	<u>1.000</u> Units	
			(@ 60 Degrees F)		

Remarks: None.

NR = Test Not Run

Anion/Cation: 110.0%

Stiff Diagram



Scale: Meq/L