#163 30-045-20035
#23 30-045-05743

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

Operator Meridian Oil Co. Location: Unit O Sec. 19 Twp 26 Rng 09

Name of Well/Wells or Pipeline Serviced

Huerfano Units #163 and #23

Elevation 6477 Completion Date 3-4-93 Total Depth 327' Land Type F

Casing Strings, Sizes, Types & Depths 2/26 Set 98' of 8" PVC Casing.
No Gas, Water, or Boulders were Encountered During Casing.

If Casing Strings are cemented, show amounts & types used Cemented
with 20 Sacks.

If Cement or Bentonite Plugs have been placed, show depths & amounts used

N/A

Depths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. 100' Fresh

Depths gas encountered: None

Ground bed depth with type & amount of coke breeze used: 327'
25 Sacks of Loresco type SW & 34 Sacks of Asbury Coke breeze

Depths anodes placed: 310, 280, 273, 265, 220, 213, 206, 199, 192, 185, 178, 170, 163, 155, 145

Depths vent pipes placed: 327'

Vent pipe perforations: Bottom 240'

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.

TECH, Inc.
333 East Main
Farmington
New Mexico
87401
505/327-3311

LABORATORY REPORT

OIL-FIELD WATER ANALYSIS

920 w

Lab Number:	25930319-03	Date Sampled:	03-04-93
Client:	Meridian Oil	Date Received:	03-19-93
Sample ID:	Huerfano #163	Date Analyzed:	03-22-93
Location:	Groundbed	Date Reported:	03-22-93

DISSOLVED SOLIDS:

	me/L	mg/L	Detection Limit, mg/L
Calcium, Ca++	0.1	3	1.0
Magnesium, Mg++	0.1	2	1.0
Sodium, Na+ (calc)	17.8	409	5.0
Chloride, Cl-	1.5	52	2.0
Sulfate, SO4--	12.6	605	5.0
Bicarbonate, HCO3-	3.0	183	5.0
Carbonate, CO3--	1.0	30	1.0
Hydroxide, OH-	ND	ND	1.0
Total Dissolved Solids (calculated):		1,280	10.0

OTHER PROPERTIES:

pH (units):	9.5
resistivity (ohm-meters):	8.2
specific gravity at 60F:	1.0051
room temperature (F):	73

ND = Not Detected at the stated detection limit

Comments:

Methods: American Petroleum Institute, "Recommended Practice for Analysis of Oil-Field Waters," 2nd edition.

Kaila Fellman
analyst

BRIONES LAW FIRM TEL No.5053253311 Mar 23,93 13:01 No.003 P.03