

#27R 30-045-28868

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

Operator Melidiro Oil Inc Location: Unit NW Sec. 12 Twp 30 Rng 09

Name of Well/Wells or Pipeline Serviced _____

JOHNSTON Fed #27R

Elevation _____ Completion Date 4-25-93 Total Depth _____ Land Type F

Casing Strings, Sizes, Types & Depths 4/20-21 Set Two 85' 8" PVC CASINGS.
NO GAS OR WATER, BUT 7 (73-80') OF BOULDERS WERE ENCOUNTERED DURING CASING.

If Casing Strings are cemented, show amounts & types used CEMENTED WITH
33 SACKS ON 1ST CASING, AND 38 SACKS ON THE 2ND CASING.

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

Depths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. 120'

Depths gas encountered: NO

Ground bed depth with type & amount of coke breeze used: #1 hole 216'

#2 hole 214' 22 bags of (100lb) porous type 50 coke breeze on each hole.

Depths anodes placed: #1 hole = 200' 190' 180' 170' 160' 150' 140' 120'

Depths vent pipes placed: #2 hole = 195' 185' 175' 160' 150' 140' 120'
#1 hole = 216' #2 hole = 214'

Vent pipe perforations: Pattern 100' on each hole.

Remarks: _____

RECEIVED
JAN 31 1994
OIL CON. DIV 1
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.

API WATER ANALYSIS REPORT FORM

Laboratory No. 25-930519-18

Company MERIDIAN OIL		Sample No.		Date Sampled 4-25-93	
Field 2464 W		Legal Description NW-12-30-9		County or Parish	
Lease or Unit		Well JOHNSTON FED 27R		Depth	
				Formation Fruitland Coal	
Type of Water (Produced, Supply, etc.)		Sampling Point G.B.		Water, B/D	
				Sampled By L.S.E.	



TECH, Inc.
333 East Main
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DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	1100	50
Calcium, Ca	8	0.4
Magnesium, Mg	-	-
Barium, Ba		

ANIONS

Chloride, Cl	46	1.3
Sulfate, SO ₄	2100	44
Carbonate, CO ₃	60	2
Bicarbonate, HCO ₃	120	2

OTHER PROPERTIES

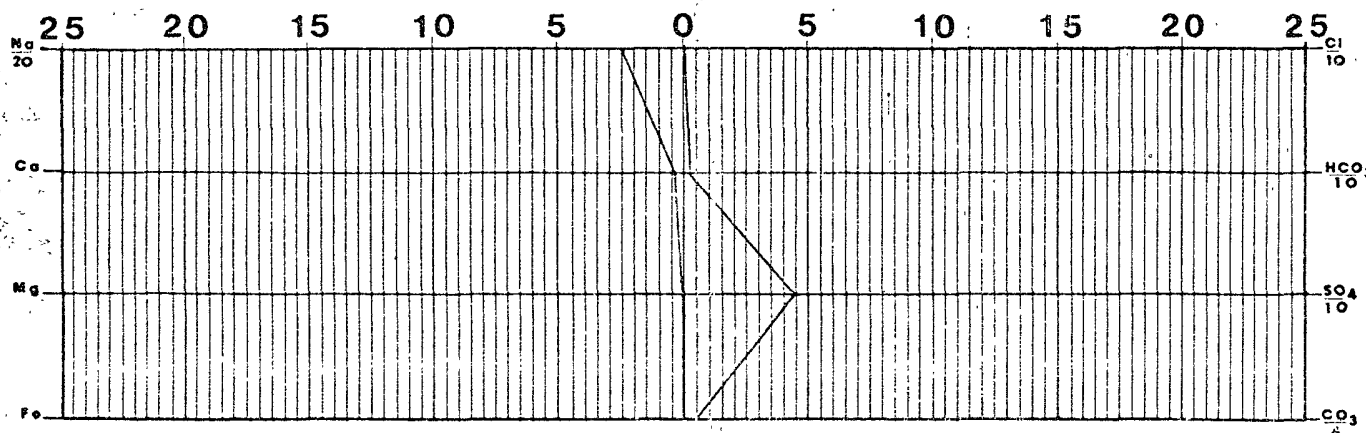
pH	9.7
Specific Gravity, 60/60 F.	1.0016
Resistivity (ohm-meters) 74 F.	2.8

Total Dissolved Solids (calc.)

3400

Iron, Fe (total)
Sulfide, as H₂S

REMARKS & RECOMMENDATIONS:



Date Received May 19th, 1993	Preserved	Date Analyzed May 22nd, 1993	Analyzed By E.H.
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