

30-045-23749 HANKS #11-E
30-045-20532 HANKS #23 3666

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

Operator Meridian Oil Co. Location: Unit E Sec. 7 Twp 27 Rng 9

Name of Well/Wells or Pipeline Serviced _____

HANKS 11E and HANKS #23

Elevation _____ Completion Date 3-7-93 Total Depth 475' Land Type _____

Casing Strings, Sizes, Types & Depths 3/6/93 set 99' of 8" PVC casing

NO GAS, water, or boulders were encountered

If Casing Strings are cemented, show amounts & types used cemented

with 19 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. 130' fresh

Depths gas encountered: None

Ground bed depth with type & amount of coke breeze used: ~~35'~~

475' 7200 LBS LoreSCO 40 SACKS, Ashbury 64 SACKS

Depths anodes placed: 405, 395, 385, 375, 365, 350, 340, 330, 320, 233, 225, 155, 145, 138, 130

Depths vent pipes placed: 475'

Vent pipe perforations: Bottom 350'

Remarks: _____

RECEIVED
JAN 31 1994
OIL CON. DIV. I
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

Lab Number: 25930319-05
 Client: Meridian Oil
 Sample ID: Hank #11E
 Location: Groundbed

5104W

Date Sampled: 03-07-93
 Date Received: 03-19-93
 Date Analyzed: 03-22-93
 Date Reported: 03-22-93

DISSOLVED SOLIDS:	me/L	mg/L	Detection Limit, mg/L
Calcium, Ca ⁺⁺	20.0	401	1.0
Magnesium, Mg ⁺⁺	0.9	11	1.0
Sodium, Na ⁺ (calc)	22.8	523	5.0
Chloride, Cl ⁻	0.3	12	2.0
Sulfate, SO ₄ ⁻⁻	40.3	1935	5.0
Bicarbonate, HCO ₃ ⁻	2.6	159	5.0
Carbonate, CO ₃ ⁻⁻	0.4	12	1.0
Hydroxide, OH ⁻	ND	ND	1.0
Total Dissolved Solids (calculated):		3,050	10.0

OTHER PROPERTIES:

pH (units): 8.2
 resistivity (ohm-meters): 4.7
 specific gravity at 60F: 1.0070
 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.

Lola Peltier
 analyst



LABORATORY REPORT
OIL-FIELD WATER ANALYSIS

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

Lab Number: 25930319-05
Client: Meridian Oil
Sample ID: Hank #11E 5104 W
Location: Groundbed
Date Sampled: 03-07-93
Date Received: 03-19-93
Date Analyzed: 03-22-93
Date Reported: 03-22-93

DISSOLVED SOLIDS:	me/L	mg/L	Detection Limit, mg/L
Calcium, Ca ⁺⁺	20.0	401	1.0
Magnesium, Mg ⁺⁺	0.9	11	1.0
Sodium, Na ⁺ (calc)	22.8	523	5.0
Chloride, Cl ⁻	0.3	12	2.0
Sulfate, SO ₄ ⁻⁻	40.3	1935	5.0
Bicarbonate, HCO ₃ ⁻	2.6	159	5.0
Carbonate, CO ₃ ⁻⁻	0.4	12	1.0
Hydroxide, OH ⁻	ND	ND	1.0
Total Dissolved Solids (calculated):		3,050	10.0

OTHER PROPERTIES:

pH (units): 8.2
resistivity (ohm-meters): 4.7
specific gravity at 60F: 1.0070
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.

Leila Loftus
analyst