

#132A 30-039-23712  
# 85 30-039-20901

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

Operator Meridian Oil Location: Unit I Sec. 27 Twp 27 Rng 4

Name of Well/Wells or Pipeline Serviced SJ 27-4 unit # 132A,  
SJ 27-4 unit # 85

Elevation \_\_\_\_\_ Completion Date 10-20-92 Total Depth 480 Land Type S

Casing Strings, Sizes, Types & Depths 100" of 8" PVC

If Casing Strings are cemented, show amounts & types used 22  
SACKS

If Cement or Bentonite Plugs have been placed, show depths & amounts used  
NONE

Depths & thickness of water zones with description of water: Fresh, Clear,  
Salty, Sulphur, Etc. 130' Fresh water

Depths gas encountered: NONE

Ground bed depth with type & amount of coke breeze used: 480' 73 SACKS  
of Loresco type SW

Depths anodes placed: 470, 403, 395, 387, 380, 373, 365, 358, 350, 343, 335, 328, 283, 273, 265

Depths vent pipes placed: 480'

Vent pipe perforations: Bottom 350'

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.

# API WATER ANALYSIS REPORT FORM

Laboratory No. 25921109-2F

|                                                          |  |                                     |  |                                                        |  |
|----------------------------------------------------------|--|-------------------------------------|--|--------------------------------------------------------|--|
| Company<br><u>MERIDIAN OIL</u> <u>ATTN: BILL DONAHUE</u> |  | Sample No.                          |  | Date Sampled<br><u>10/20/92</u>                        |  |
| Field<br><u>I-27-27-4</u>                                |  | Legal Description                   |  | County or Parish<br><u>LA SERRA</u> State<br><u>NM</u> |  |
| Lease or Unit<br><u>24270</u>                            |  | Well<br><u>SS 27-4 No 132A</u>      |  | Depth                                                  |  |
| Type of Water (Produced, Supply, etc.)                   |  | Sampling Point<br><u>GROUND BED</u> |  | Water, B/D                                             |  |
|                                                          |  |                                     |  | Sampled By<br><u>KEITH BISHOP</u>                      |  |

## DISSOLVED SOLIDS

### CATIONS

|                    | mg/l       | me/l       |
|--------------------|------------|------------|
| Sodium, Na (calc.) | <u>310</u> | <u>14</u>  |
| Calcium, Ca        | <u>77</u>  | <u>3.7</u> |
| Magnesium, Mg      | <u>5</u>   | <u>0.4</u> |
| Barium, Ba         |            |            |

## OTHER PROPERTIES

pH

Specific Gravity, 60/60 F.

Resistivity (ohm-meters) 72 ° F.

8.0

1.0045

5.4

Total Dissolved Solids (calc.)

1300 mg/L

### ANIONS

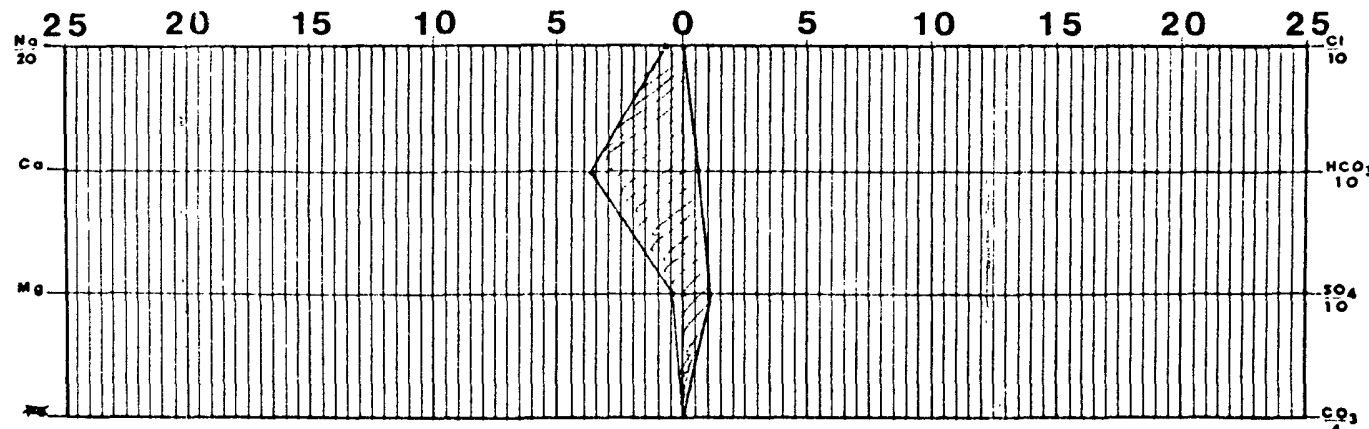
|                      |            |            |
|----------------------|------------|------------|
| Chloride, Cl         | <u>17</u>  | <u>0.5</u> |
| Sulfate, $SO_4$      | <u>520</u> | <u>11</u>  |
| Carbonate, $CO_3$    | <u>ND</u>  | <u>ND</u>  |
| Bicarbonate, $HCO_3$ | <u>380</u> | <u>6.2</u> |

Iron, Fe (total)

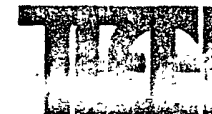
Sulfide, as  $H_2S$

REMARKS & RECOMMENDATIONS:

ND = NOT DETECTED



|                                 |           |                                       |                           |
|---------------------------------|-----------|---------------------------------------|---------------------------|
| Date Received<br><u>11/9/92</u> | Preserved | Date Analyzed<br><u>11/11-12 1992</u> | Analyzed By<br><u>SLK</u> |
|---------------------------------|-----------|---------------------------------------|---------------------------|



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