

#132A → 30-039-23712

#85 → 30-039-20901

3793

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 1.00" 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. 2531169-2F

|                                        |                       |                                        |                                     |                                   |  |
|----------------------------------------|-----------------------|----------------------------------------|-------------------------------------|-----------------------------------|--|
| Company<br><u>MERIDIAN Co.</u>         |                       | Sample No.<br><u>Att: Bill Donahue</u> |                                     | Date Sampled<br><u>10/20/92</u>   |  |
| Field<br><u>E-27-27-4</u>              | Legal Description     | County or Parish<br><u>As. Harris</u>  | State<br><u>NM</u>                  |                                   |  |
| Lease or Unit<br><u>2127W</u>          | Well<br><u>S527-4</u> | Depth<br><u>No. 132A</u>               | Formation                           | Water, B/D                        |  |
| Type of Water (Produced, Supply, etc.) |                       |                                        | Sampling Point<br><u>Ground Bar</u> | Sampled By<br><u>Keith Bishop</u> |  |

## DISSOLVED SOLIDS

### CATIONS

|                    |            |            |
|--------------------|------------|------------|
| Sodium, Na (calc.) | mg/l       | me/l       |
| Calcium, Ca        | <u>310</u> | <u>14</u>  |
| Magnesium, Mg      | <u>74</u>  | <u>3.7</u> |
| Barium, Ba         | <u>5</u>   | <u>0.4</u> |

### OTHER PROPERTIES

pH  
Specific Gravity, 60/60 F.  
Resistivity (ohm-meters) 72 ° F.

8.0  
1.0045  
5.4

### ANIONS

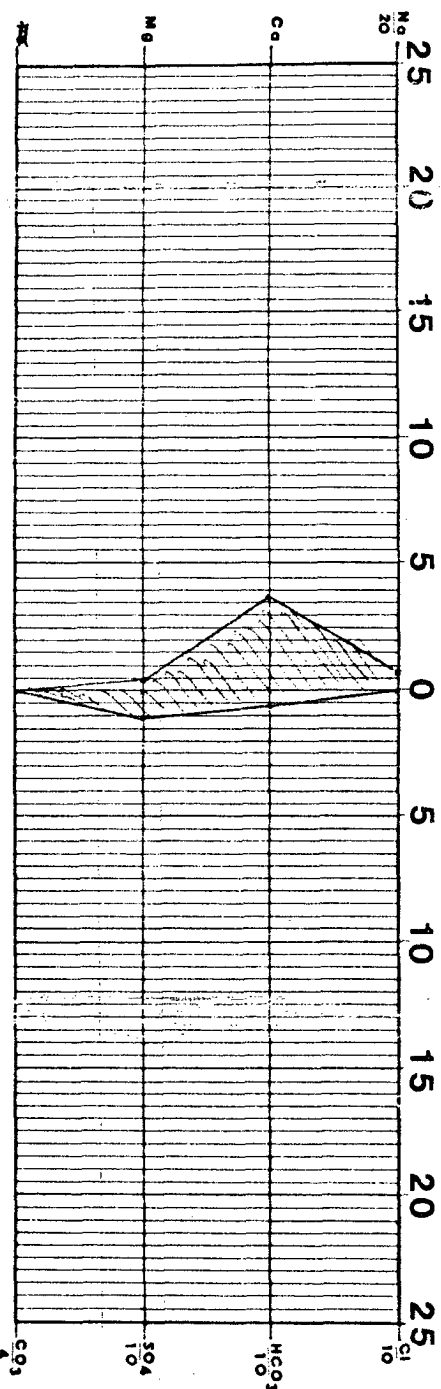
|                      |            |            |
|----------------------|------------|------------|
| Chloride, Cl         | <u>17</u>  | <u>0.5</u> |
| Sulfate, $SO_4$      | <u>580</u> | <u>11</u>  |
| Carbonate, $CO_3$    | <u>ND</u>  | <u>ND</u>  |
| Bicarbonate, $HCO_3$ | <u>380</u> | <u>6.2</u> |

Total Dissolved Solids (calc.)

1300 mg/L

Iron, Fe (total)  
Sulfide, as  $H_2S$

REMARKS & RECOMMENDATIONS:  
ND = Not Detected



|                              |           |                                  |                            |
|------------------------------|-----------|----------------------------------|----------------------------|
| Date Received<br><u>11/9</u> | Preserved | Date Analyzed<br><u>11/11-12</u> | Analyzed By<br><u>Stek</u> |
|------------------------------|-----------|----------------------------------|----------------------------|



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