

#67 30-039-07565

#561 30-039-24812

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS  
NORTHWESTERN NEW MEXICOOperator Meridian Oil Location: Unit A Sec. 23 Twp 29 Rng 7Name of Well/Wells or Pipeline Served SAN JUAN 29-7 #561 & #67

Elevation \_\_\_\_\_ Completion Date \_\_\_\_\_ Total Depth \_\_\_\_\_ Land Type \_\_\_\_\_

Casing Strings, Sizes, Types & Depths 8" PVC surface casing  
100' deepIf Casing Strings are cemented, show amounts & types used Yes, with  
22 BAGS NEAT CEMENTIf Cement or Bentonite Plugs have been placed, show depths & amounts used  
NoDepths & thickness of water zones with description of water: Fresh, Clear,  
Salty, Sulphur, Etc. 240'Depths gas encountered: NoGround bed depth with type & amount of coke breeze used: 453' deep  
with 67 BAGS (100lb) LORESCO Type SW COKE breezeDepths anodes placed: 425, 415, 405, 395, 385, 375, 366, 355, 345, 335, 325, 291, 281Depths vent pipes placed: 453' 271, 190Vent pipe perforations: bottom 300'

Remarks: \_\_\_\_\_

RECEIVED

JAN 31 1994

OIL CON. DIV.

DIST 1

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. 25930116-1

CP3 C-46

|                                                         |  |                                         |  |                                 |  |
|---------------------------------------------------------|--|-----------------------------------------|--|---------------------------------|--|
| Company<br><u>MERIDIAN OIL</u> <u>ATTN: MR. DONOHUE</u> |  | Sample No                               |  | Date Sampled<br><u>12-18-92</u> |  |
| Field                                                   |  | Legal Description<br><u>N23-29-7</u>    |  | County or Parish<br><u>R.A.</u> |  |
| Lease or Unit                                           |  | Well<br><u>S5 29-7 #561</u>             |  | Depth                           |  |
| Type of Water (Produced, Supply, etc)                   |  | Sampling Point<br><u>GROUND BED 240</u> |  | Sampled By<br><u>MRLD</u>       |  |
|                                                         |  | Formation                               |  | Water, B/D                      |  |

## DISSOLVED SOLIDS

| CATIONS           | mg/l        | me/l        |
|-------------------|-------------|-------------|
| Sodium, Na (calc) | <u>452</u>  | <u>19.6</u> |
| Calcium, Ca       | <u>298</u>  | <u>14.9</u> |
| Magnesium, Mg     | <u>33.2</u> | <u>2.73</u> |
| Barium, Ba        |             |             |
|                   |             |             |
|                   |             |             |

## OTHER PROPERTIES

|                                       |               |
|---------------------------------------|---------------|
| pH                                    | <u>8.14</u>   |
| Specific Gravity, 60/60 F.            | <u>1.0055</u> |
| Resistivity (ohm-meters) <u>72</u> F. | <u>4.1</u>    |
|                                       |               |
|                                       |               |

Total Dissolved Solids (calc.)

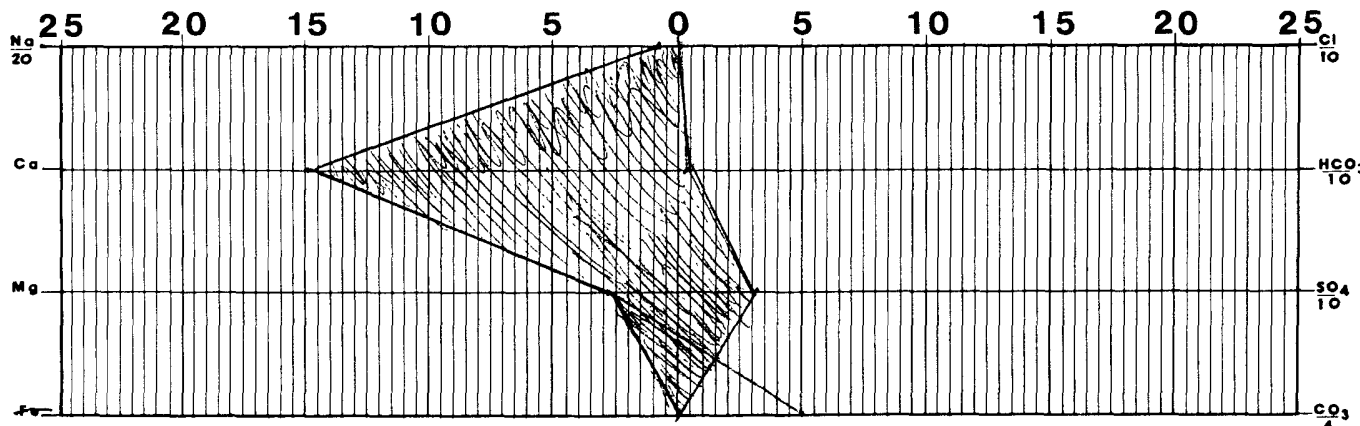
2,600 mg/L

## ANIONS

|                               |             |             |
|-------------------------------|-------------|-------------|
| Chloride, Cl                  | <u>34.3</u> | <u>0.97</u> |
| Sulfate, So <sub>4</sub>      | <u>1520</u> | <u>31.7</u> |
| Carbonate, CO <sub>3</sub>    | <u>12</u>   | <u>0.4</u>  |
| Bicarbonate, HCO <sub>3</sub> | <u>256</u>  | <u>4.2</u>  |
|                               |             |             |
|                               |             |             |

Iron, Fe (total)  
Sulfide, as H<sub>2</sub>S

REMARKS & RECOMMENDATIONS.



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

|                                          |                   |                     |     |
|------------------------------------------|-------------------|---------------------|-----|
| Post-it™ brand fax transmittal memo 7671 |                   | # of pages <u>4</u> |     |
| To                                       | From              | Co.                 | Co. |
| <u>Meridian</u>                          | <u>TECH, Inc.</u> |                     |     |
| Dept.                                    | Phone #           |                     |     |
|                                          | <u>327-3311</u>   |                     |     |
| Fax #                                    | Fax #             |                     |     |
| <u>326-9833</u>                          | <u>325-3311</u>   |                     |     |

|               |           |                                 |                                    |
|---------------|-----------|---------------------------------|------------------------------------|
| Date Received | Preserved | Date Analyzed<br><u>1-11-93</u> | Analyzed By<br><u>Scila Polina</u> |
|---------------|-----------|---------------------------------|------------------------------------|