

1184

30-045-26268

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS  
NORTHWESTERN NEW MEXICO  
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL INC. Location: Unit K Sec. 31 Twp 26 Rng 10

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #243E  
cps 186lw

Elevation 6456' Completion Date 8/19/87 Total Depth 420' Land Type\* N/A

Casing, Sizes, Types & Depths 30' OF PVC CASING

If Casing is cemented, show amounts & types used N/A

If Cement or Bentonite Plugs have been placed, show depths & amounts used  
N/A

Depths & thickness of water zones with description of water when possible:  
Fresh, Clear, Salty, Sulphur, Etc. 160' & 200' SAMPLE TAKEN

Depths gas encountered: N/A

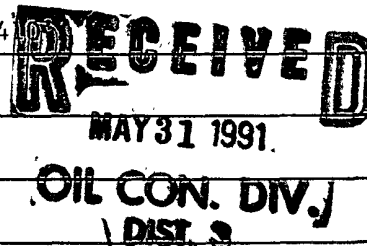
Type & amount of coke breeze used: N/A

Depths anodes placed: 370', 345', 335', 325', 310', 285', 270', 245', 220'

Depths vent pipes placed: 4

Vent pipe perforations: 270'

Remarks: (gb #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.

Comp  
9-1-87

WELL CASING  
CATHODIC PROTECTION CONSTRUCTION REPORT  
DAILY LOG

Drilling Log (Attach Hereto) ☒

9538301

Completion Date 8-19-87

|                               |                           |                   |                       |                                                                       |
|-------------------------------|---------------------------|-------------------|-----------------------|-----------------------------------------------------------------------|
| CPS #                         | Well Name, Line or Plant: | Work Order #      | State:                | Ins. Union Check                                                      |
| 1861-w                        | HUEFANO #243-E            |                   | .79 5                 | <input checked="" type="checkbox"/> Good <input type="checkbox"/> Bad |
| Location                      | Anode Size:               | Anode Type        | Size Bit:             |                                                                       |
| S-31-26-10                    | 2" x 60"                  | Duriron           | 6 3/4"                |                                                                       |
| Depth Drilled                 | Depth Logged              | Drilling Rig Time | Total Lbs. Goke Used  | Loss Circulation Mat'l Used                                           |
| 420'                          | 406'                      |                   |                       |                                                                       |
| Anode Depth                   |                           |                   |                       |                                                                       |
| # 1 370'                      | # 2 345'                  | # 3 335'          | # 4 325'              | # 5 310'                                                              |
| # 6 300'                      | # 7 285'                  | # 8 270'          | # 9 245'              | # 10 220'                                                             |
| Anode Output (Amps)           |                           |                   |                       |                                                                       |
| # 1 6.1                       | # 2 5.0                   | # 3 6.6           | # 4 6.2               | # 5 6.5                                                               |
| # 6 5.8                       | # 7 6.6                   | # 8 5.7           | # 9 5.6               | # 10 6.2                                                              |
| Anode Depth                   |                           |                   |                       |                                                                       |
| # 11                          | # 12                      | # 13              | # 14                  | # 15                                                                  |
| # 16                          | # 17                      | # 18              | # 19                  | # 20                                                                  |
| Anode Output (Amps)           |                           |                   |                       |                                                                       |
| # 11                          | # 12                      | # 13              | # 14                  | # 15                                                                  |
| # 16                          | # 17                      | # 18              | # 19                  | # 20                                                                  |
| Total Circuit Resistance      |                           |                   | No. 8 C.P. Cable Used |                                                                       |
| Volts 10.4 Amps 21.8 Ohms .47 |                           |                   | No. 2 C.P. Cable Used |                                                                       |

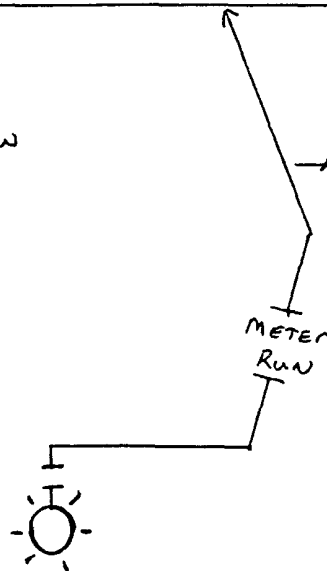
Remarks: INSTALLED 30' OF PVC CASING. DRILLED TO 420' LOGGED  
406'. DRILLER SAID WATER AT 160' + 200'. CAUGHT SAMPLE  
INSTALLED 410' OF 1" PVC VENT PIPE; PERFORATED BOTTOM  
270'

Rectifier Size: 40 V 16 A  
 Addn'l Depth: \_\_\_\_\_  
 Depth Credit: 96 ✓  
 Extra Cable: 120 ✓  
 Ditch & 1 Cable: 175 ✓  
 Ditch & 2 Cable: 90  
 25' Meter Pole: 1  
 20' Meter Pole: \_\_\_\_\_  
 10' Stub Pole: \_\_\_\_\_  
 Junction Box: 1

4300.0  
 - 384.0 ✓  
 - 3916.00 ✓  
 380.0 ✓  
 68.25 ✓  
 46.80 ✓  
 305.0 ✓  
 40.0 ✓

4406.05  
 220.30  
 4626.35

1861-w  
☐



GROUND  
 BED

All Construction Completed

*M. DeWitt*  
 (Signature)

N

6496

P. O. BOX 4289-Phone 327-0251  
FARMINGTON, NM

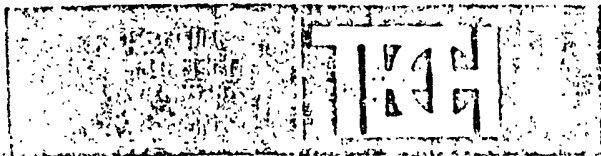
Date 8-19-87

# DEEP WELL GROUND BED LOG

Company Meridian O. I

Well No. H. #243-E Location SW 31-26-10

Volts Applied 10.4 Amperes 21.8[illegible]



CPS 1861W

## API WATER ANALYSIS REPORT FORM

|                                 |  |                                           |  |                                                    |  |
|---------------------------------|--|-------------------------------------------|--|----------------------------------------------------|--|
| Company<br>MERIDIAN OIL COMPANY |  | Sample No.<br>1                           |  | Date Sampled<br>8-19-87                            |  |
| Field<br>Ballard                |  | Legal Description<br>SW 531, T 26N, R 10W |  | County or Parish<br>Rio Arriba                     |  |
| State<br>NM                     |  | County or Parish<br>Rio Arriba            |  | State<br>NM                                        |  |
| Lease or Unit<br>Huerfano       |  | Well<br>243-E                             |  | Depth                                              |  |
| Formation                       |  | Water, B/D                                |  | Type of Water (Produced, Supply, etc.)<br>Produced |  |
| Sampling Point<br>200'          |  | Sampled By<br>Mw                          |  |                                                    |  |

## DISSOLVED SOLIDS

## CATIONS

|                    | mg/l | me/l |
|--------------------|------|------|
| Sodium, Na (calc.) | 112  | 4.9  |
| Calcium, Ca        | 0    | 0    |
| Magnesium, Mg      | 73   | 5.9  |
| Barium, Ba         |      |      |
|                    |      |      |
|                    |      |      |

## OTHER PROPERTIES

|                            |        |
|----------------------------|--------|
| pH                         | 9.06   |
| Specific Gravity, 60/60 F. | 1.0051 |
| Resistivity (ohm-meters)   | 73 F.  |
| Total Hardness             | 300    |
|                            |        |
|                            |        |

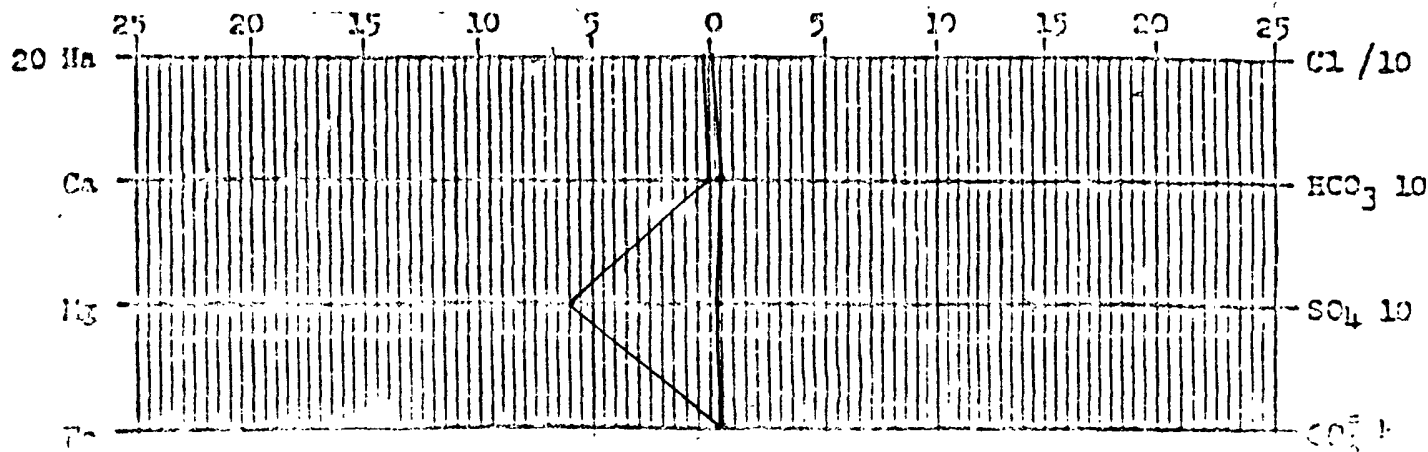
Total Dissolved Solids (calc.) 705

## ANIONS

|                               |     |     |
|-------------------------------|-----|-----|
| Chloride, Cl                  | 53  | 1.5 |
| Sulfate, SO <sub>4</sub>      | 225 | 4.5 |
| Carbonate, CO <sub>3</sub>    | 36  | 1.2 |
| Bicarbonate, HCO <sub>3</sub> | 206 | 3.4 |
| Hydroxide, OH                 | 0   | 0   |
|                               |     |     |
|                               |     |     |

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

## REMARKS &amp; RECOMMENDATIONS:



1861W

COMPANY Meridian Oil DAILY DRILLING REPORT 8/19 1987

**WATER AT:**

**FEET:**

**HOLE MADE:**

## REMARKS: \_\_\_\_\_

## Driller

## Tool Dresser