

30-045-20265

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

(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit SE Sec. 15 Twp 26 Rng 10

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #176

cps 969w

Elevation 6631 Completion Date 9/5/75 Total Depth 325' Land Type\* N/A

Casing, Sizes, Types & Depths N/A

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. 150'

Depths gas encountered: N/A

Type & amount of coke breeze used: 3000 lbs.

Depths anodes placed: 285', 275', 250', 240', 230', 220', 190', 180', 170', 16

Depths vent pipes placed: N/A

Vent pipe perforations: 200'

Remarks: (gb) #1

RECEIVED  
MAY 31 1991  
OIL CON. DIST. ?

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.

WELL CASING  
CATHODIC PROTECTION CONSTRUCTION REPORT  
DAILY LOG

*[Signature]*

Drilling Log (Attach Hereto). ☐

Completion Date 9-5-75

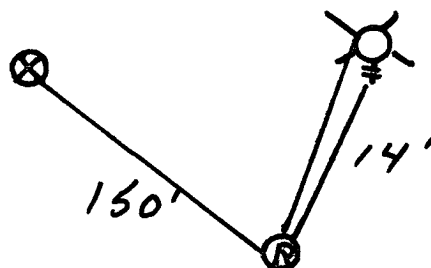
|                                       |                         |                                      |                             |                                         |                |
|---------------------------------------|-------------------------|--------------------------------------|-----------------------------|-----------------------------------------|----------------|
| Well Name<br><b>Huerfano #176</b>     |                         | Location<br><b>SE 15-26N-10W</b>     |                             | CPS No.<br><b>969 W</b>                 |                |
| Type & Size Bit Used<br><b>6 3/4"</b> |                         |                                      |                             | Work Order No.<br><b>54569.19-50-20</b> |                |
| Anode Hole Depth<br><b>325'</b>       | Total Drilling Rig Time | Total Lbs. Coke Used<br><b>3,000</b> | Lost Circulation Mat'l Used | No. Sacks Mud Used                      |                |
| Anode Depth                           |                         |                                      |                             |                                         |                |
| # 1 <b>285</b>                        | # 2 <b>275</b>          | # 3 <b>250</b>                       | # 4 <b>240</b>              | # 5 <b>230</b>                          | # 6 <b>220</b> |
| # 7 <b>190</b>                        | # 8 <b>180</b>          | # 9 <b>170</b>                       | # 10 <b>160</b>             |                                         |                |
| Anode Output (Amps)                   |                         |                                      |                             |                                         |                |
| # 1 <b>4.8</b>                        | # 2 <b>3.8</b>          | # 3 <b>4.4</b>                       | # 4 <b>4.4</b>              | # 5 <b>4.4</b>                          | # 6 <b>4.2</b> |
| # 7 <b>4.0</b>                        | # 8 <b>5.0</b>          | # 9 <b>5.0</b>                       | # 10 <b>4.4</b>             |                                         |                |
| 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                |                             | No. 2 C.P. Cable Used                   |                |
| Volts <b>11.8</b>                     | Amps <b>16.0</b>        | Ohms <b>0.73</b>                     | <b>2500'</b>                |                                         |                |

Remarks: Drill with Air Driller said water at 150  
VENT Hose Perforated 200'  
Logging Anode stopped AT 302'

All Construction Completed

*Eduard R. Poulak*  
(Signature)

GROUND BED LAYOUT SKETCH





DATE 9-5-75

Work Order No. 54329-19-502

Neigona mit 176

|                              |          |                                                |                           |                              |  |
|------------------------------|----------|------------------------------------------------|---------------------------|------------------------------|--|
| CUSTOMER<br><i>Elmer Lee</i> |          | SERVICE ADDRESS<br><i>Box 880 - 2nd - 7401</i> |                           | CITY<br><i>Lawrence, Mo.</i> |  |
| TEL. NO.<br><i>322-7496</i>  | REQ. NO. | SERVICEMAN<br><i>William Diller</i>            | VEHICLE NO.<br><i>T 4</i> | DATE COMPLETED               |  |

[illegible]

Date started \_\_\_\_\_, 19\_\_\_\_  
Date completed \_\_\_\_\_, 19\_\_\_\_

[illegible]

|             |      |
|-------------|------|
| TOTAL DEPTH | 302' |
| RIG TIME    |      |
| WATER TRUCK |      |

Date \_\_\_\_\_

By Edward M. Smith

969 W

Driller said water  
at 150'  
vent hose perforated

| MW  |                 | gals/m |
|-----|-----------------|--------|
| 16  | C <sub>1</sub>  | 6.4    |
| 30  | C <sub>2</sub>  | 20.12  |
| 44  | C <sub>3</sub>  | 10.42  |
| 58  | 1C <sub>4</sub> | 12.38  |
| "   | NC <sub>4</sub> | 11.93  |
| 72  | 1C <sub>5</sub> | 13.85  |
| "   | NC <sub>5</sub> | 13.7   |
| 86  | 1C <sub>6</sub> | 15.50  |
| "   | C <sub>6</sub>  | 15.57  |
| 100 | 1C <sub>7</sub> | 17.2   |
| "   | C <sub>7</sub>  | 17.46  |
| 114 | C <sub>8</sub>  | 20.39  |
| 28  | C <sub>7</sub>  | 9.64   |
| 42  | C <sub>7</sub>  | 9.67   |

| MISC |                  |         |
|------|------------------|---------|
| MW   |                  | gals/mo |
| 44   | CO <sub>2</sub>  | 0.32    |
| 34   | H <sub>2</sub> S | 0.17    |
| 28   | N <sub>2</sub>   | 4.16    |
| 2    | H <sub>2</sub>   | 3.38    |

| Depth | Pressure | Temperature | Specific Gravity | Notes                         |
|-------|----------|-------------|------------------|-------------------------------|
| 150   | 2.2      |             |                  | Dry Hex said water<br>AT 150' |
|       | 2.2      |             |                  |                               |
| ⑩ 60  | 2.0      |             |                  | Vent Hose Perforated          |
|       | 2.0      |             |                  |                               |
| ⑨ 70  | 2.0      |             |                  |                               |
|       | 2.2      |             |                  |                               |
| ⑧ 80  | 2.2      |             |                  |                               |
|       | 2.0      |             |                  |                               |
| ⑦ 90  | 2.0      |             |                  |                               |
|       | 1.4      |             |                  |                               |
| 200   | 1.0      |             |                  |                               |
|       | 1.0      |             |                  |                               |
| 10    | 1.0      |             |                  |                               |
|       | 1.8      |             |                  |                               |
| ② 20  | 2.0      |             |                  |                               |
|       | 2.0      |             |                  |                               |
| ⑤ 30  | 2.0      |             |                  |                               |
|       | 2.0      |             |                  |                               |
| ④ 40  | 2.1      |             |                  |                               |
|       | 2.0      |             |                  |                               |
| ③ 50  | 2.0      |             |                  |                               |
|       | 1.8      |             |                  |                               |
| 50    | 1.8      |             |                  |                               |
|       | 1.6      |             |                  |                               |
| 70    | 1.8      |             |                  |                               |
|       | 2.0      |             |                  |                               |
| 80    | 2.0      |             |                  |                               |
|       | 2.1      |             |                  |                               |
| 90    | 2.0      |             |                  |                               |
|       | 2.1      |             |                  |                               |
| 300   |          | 302 Bottom  | 2200             | 11.8 16.0 0.73                |
|       |          |             | 300              |                               |
| 10    |          |             | 2500             |                               |
| 20    |          |             |                  |                               |