

1 - 30-045-08811  
200 30-045-27047

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

Operator MERIDIAN OIL Location: Unit NE Sec. 1 Twp 29 Rng 8

Name of Well/Wells or Pipeline Serviced HOWELL C #1. #200

cps 275w

Elevation 6080' Completion Date 6/10/74 Total Depth 340' 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. 140'

**RECEIVED**  
MAY 31 1991

Depths gas encountered: N/A

**OIL CON. DIV.**  
**DIST. 3**

Type & amount of coke breeze used: 6000 lbs.

Depths anodes placed: 310', 295', 285', 275', 265', 255', 245', 215', 205', 190'

Depths vent pipes placed: N/A

Vent pipe perforations: 200'

Remarks: gb #2

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

*logged*

Drilling Log (Attach Hereto). ☐

Completion Date 6/10/74

|                                      |                         |                                          |                             |                                            |                       |
|--------------------------------------|-------------------------|------------------------------------------|-----------------------------|--------------------------------------------|-----------------------|
| Well Name<br><b>Howell C #1</b>      |                         | Location<br><b>NE 1-29N-8W</b>           |                             | CPS No.<br><b>275W</b>                     |                       |
| Type & Size Bit Used<br><b>6 3/4</b> |                         |                                          |                             | Work Order No.<br><b>184-52017.19-50-a</b> |                       |
| Anode Hole Depth<br><b>340</b>       | Total Drilling Rig Time | Total Lbs. Coke Used<br><b>6000 EST.</b> | Lost Circulation Mat'l Used | No. Sacks Mud Used                         |                       |
| Anode Depth                          |                         |                                          |                             |                                            |                       |
| # 1 <b>310</b>                       | # 2 <b>295</b>          | # 3 <b>285</b>                           | # 4 <b>275</b>              | # 5 <b>265</b>                             | # 6 <b>255</b>        |
| # 7 <b>245</b>                       | # 8 <b>215</b>          | # 9 <b>205</b>                           | # 10 <b>190</b>             |                                            |                       |
| Anode Output (Amps)                  |                         |                                          |                             |                                            |                       |
| # 1 <b>2.6</b>                       | # 2 <b>2.3</b>          | # 3 <b>2.8</b>                           | # 4 <b>3.1</b>              | # 5 <b>3.1</b>                             | # 6 <b>2.4</b>        |
| # 7 <b>2.8</b>                       | # 8 <b>2.8</b>          | # 9 <b>3.3</b>                           | # 10 <b>3.3</b>             |                                            |                       |
| Anode Depth                          |                         |                                          |                             |                                            |                       |
| # 11                                 | # 12                    | # 13                                     | # 14                        | # 15                                       | # 16                  |
| Anode Output (Amps)                  |                         |                                          |                             |                                            |                       |
| # 11                                 | # 12                    | # 13                                     | # 14                        | # 15                                       | # 16                  |
| Total Circuit Resistance             |                         |                                          |                             |                                            |                       |
| Volts <b>11.2</b>                    | Amps <b>10.2</b>        | Ohms <b>1.09</b>                         | No. 8 C.P. Cable Used       |                                            | No. 2 C.P. Cable Used |

Remarks: Driller said water @ 140. water standing @ 140' AFTER 16 hrs. Pumped to water zone complete by slurry. Vent hose repositioned 200'

\$ 3,409.00  
20.00 Cable

\$ 3,429.00  
-330.00 Depth Credit

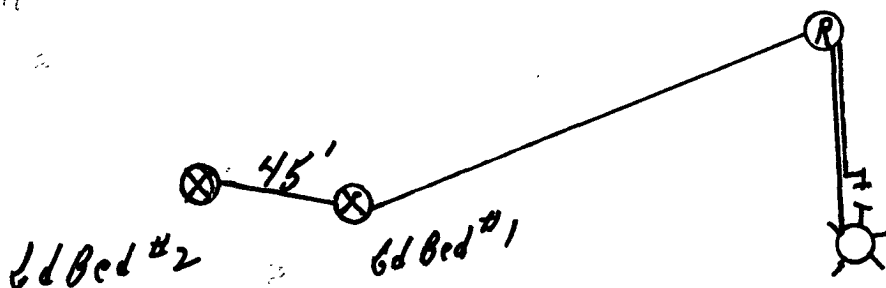
\$ 3,099.00  
123.96 TAX

\$ 3,222.96 TOTAL

All Construction Completed

*Eduard R. Paulch*  
(Signature)

GROUND BED LAYOUT SKETCH



N

**STORM WATER WELL DRILLING INC.**

**GENERAL OFFICE**  
14991 W. 44TH AVENUE  
**BAILEY OFFICE**  
CALL 1-838-4821

Date JUNE 10 - 1974

C.P.S 275W

City \_\_\_\_\_ State \_\_\_\_\_ County \_\_\_\_\_

## Water Standing at 14C

C.P.S. Time \_\_\_\_\_

S.W.W.D.I. Time \_\_\_\_\_

Total Footage \_\_\_\_\_

Approval of  
C.P.S. Engineer: \_\_\_\_\_

C.P.S. Engineer: \_\_\_\_\_

Helper \_\_\_\_\_

275W

V = 7.0

| MW  | gas/mol               |
|-----|-----------------------|
| 16  | C <sub>2</sub> 9.4    |
| 30  | C <sub>3</sub> 9.56   |
| 44  | C <sub>4</sub> 10.42  |
| 58  | IC <sub>4</sub> 12.38 |
| 72  | NC <sub>4</sub> 11.93 |
| 86  | IC <sub>5</sub> 13.85 |
| 100 | NC <sub>5</sub> 13.71 |
| 114 | IC <sub>6</sub> 15.50 |
| 128 | CA 15.57              |
| 142 | IC <sub>7</sub> 17.2  |
| 156 | C <sub>8</sub> 17.46  |
| 170 | CA 19.38              |
| 184 | C <sub>9</sub> 19.64  |
| 198 | C <sub>10</sub> 19.67 |

|     |    |     |           |                                 |
|-----|----|-----|-----------|---------------------------------|
| 140 | .4 | 20  | .9        | Driller's solid water<br>@ 140' |
|     | .5 |     | .6        |                                 |
| 50  | .5 | 30  | .6        |                                 |
|     | .5 | 331 | 30 T.T.M. |                                 |
| 60  | .5 | 40  |           |                                 |
|     | .5 |     |           | water standing @ 140'           |
| 70  | .5 | 50  |           | Vent Hose Perfor. 200'          |
|     | .5 |     |           |                                 |
| 90  | .5 |     |           |                                 |
|     | .6 |     |           |                                 |

|      |     |        |     |      |  |
|------|-----|--------|-----|------|--|
| ⑩ 90 | 1.3 | water  |     | Coke |  |
|      | 1.6 | 1.310  | 1.6 | 2.6  |  |
| 200  | 1.3 | 2.295  | 1.2 | 2.3  |  |
| ⑨    | 1.4 | 3.285  | 1.6 | 2.8  |  |
| 10   | 1.5 | 4.275  | 1.6 | 3.1  |  |
| ⑧    | 1.3 | 5.265  | 1.6 | 3.1  |  |
| 20   | 1.1 | 6.255  | 1.2 | 2.4  |  |
|      | .9  | 7.245  | 1.5 | 2.8  |  |
| 30   | .6  | 8.215  | 1.3 | 2.8  |  |
|      | .5  | 9.205  | 1.5 | 3.3  |  |
| 40   | .9  | 10.190 | 1.7 | 3.3  |  |

| MW | MISC             | gas/mol |
|----|------------------|---------|
| 44 | CO <sub>2</sub>  | 0.38    |
| 34 | H <sub>2</sub> S | 3.17    |
| 28 | N <sub>2</sub>   | 4.16    |
| 2  | H <sub>2</sub>   | 3.38    |

|      |     |       |        |        |  |
|------|-----|-------|--------|--------|--|
| ⑦    | 1.3 |       |        |        |  |
| 50   | 1.4 | 11.24 | 10.2 R | 1.09-2 |  |
| ⑥    | 1.2 |       |        |        |  |
| 60   | 1.2 |       |        |        |  |
| ⑤    | 1.5 |       |        |        |  |
| 70   | 1.6 |       |        |        |  |
| ④    | 1.5 |       |        |        |  |
| 80   | 1.6 |       |        |        |  |
| ③    | 1.7 |       |        |        |  |
| 90   | 1.4 |       |        |        |  |
| ②    | 1.2 |       |        |        |  |
| 300  | 1.0 |       |        |        |  |
|      | .9  |       |        |        |  |
| ① 10 | 1.6 |       |        |        |  |
|      | 1.5 |       |        |        |  |