

185-30-045-20 394  
242-30-045-21222

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

Operator MERIDIAN OIL CO. Location: Unit 0 Sec. 12 Twp 26 Rng

Name of Well/Wells or Pipeline Serviced HUERFANO # 185 & 242

cps 963w

Elevation 6566 Completion Date 8/8/90 Total Depth 300 Land Type N/A

Casing Strings, Sizes, Types & Depths 18 ft. 8" PVC casing

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

If Cement or Bentonite Plugs have been placed, show depths & amounts us

N/A

Depths & thickness of water zones with description of water: Fresh, Cle

Salty, Sulphur, Etc. 20', WET AT 120'

Depths gas encountered: N/A

Ground bed depth with type & amount of coke breeze used:

3300 lbs. of Ashbury Petroleum Coke

Depths anodes placed: 270, 260, 250, 240, 230, 220, 210, 200 190, 180

Depths vent pipes placed: 300 ft.

Vent pipe perforations: 180 ft. perforated

Remarks: gb #2

RECEIVED

MAY 31 1991

OIL CON. DIV  
DIST 2

If any of the above data is unavailable, please indicate so. Copies of 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

Drilling Log (Attach Here) ☐Completion Date 8-8-90

|                          |         |                           |         |                   |         |                       |         |                                                                       |          |
|--------------------------|---------|---------------------------|---------|-------------------|---------|-----------------------|---------|-----------------------------------------------------------------------|----------|
| CPS #                    |         | Well Name, Line or Plant: |         | Work Order #      |         | Static:               |         | Ins. Union Check                                                      |          |
| 963-W                    |         | HURFANO # 185             |         |                   |         |                       |         | <input checked="" type="checkbox"/> Good <input type="checkbox"/> Bad |          |
|                          |         | HURFANO # 242             |         |                   |         |                       |         |                                                                       |          |
| Location:                |         | Anode Size:               |         | Anode Type:       |         | Size Bit:             |         |                                                                       |          |
| 012-26-10                |         | 2" X 60"                  |         | ANOTPC            |         | 6 3/4                 |         |                                                                       |          |
| Depth Drilled            |         | Depth Logged              |         | Drilling Rig Time |         | Total Lbs. Coke Used  |         | Lost Circulation Mat'l Used                                           |          |
| 300'                     |         | 290'                      |         |                   |         | 3300 #                |         |                                                                       |          |
| Anode Depth              |         |                           |         |                   |         |                       |         |                                                                       |          |
| # 1 270                  | # 2 260 | # 3 250                   | # 4 240 | # 5 230           | # 6 220 | # 7 210               | # 8 200 | # 9 190                                                               | # 10 180 |
| Anode Output (Amps)      |         |                           |         |                   |         |                       |         |                                                                       |          |
| # 1 5.5                  | # 2 6.1 | # 3 6.0                   | # 4 4.7 | # 5 5.9           | # 6 5.8 | # 7 6.2               | # 8 5.8 | # 9 4.4                                                               | # 10 4.8 |
| 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 12.3               |         | Amps 16.7                 |         | Ohms .73          |         |                       |         |                                                                       |          |

Remarks: 8-7-90 Driller said water at 25'. Next AM could not blow water. 8-8-90 Driller said wet at 120', waited 30 minutes, could not blow water. Started in at 120', did not get water sample. Ran 300' of 1" VENT Pipe, Perforated 18' of VENT Pipe. Left COKE BREEZ at approximately 140'

Rectifier Size: \_\_\_\_\_ V \_\_\_\_\_ A  
 Addn'l Depth: \_\_\_\_\_  
 Depth Credit: \_\_\_\_\_  
 Extra Cable: 10  
 Ditch & 1 Cable: 35'  
 25' Meter Pole: \_\_\_\_\_  
 20' Meter Pole: \_\_\_\_\_  
 10' Stub Pole: \_\_\_\_\_  
 Junction Box: 1

All Construction Completed

*Willis L. Wright Jr.*  
(Signature)

## GROUND BED LAYOUT SKETCH

G.B. #1

HURFANO # 242

G.B. #2  
35'  
Rectifier

HURFANO # 185

CPS #: 963-W WELL NAME: HURONG UNIT 1PS + 242 LOCATION: 012-2670 DATE: 8-8-90

TOTAL VOLTS: 12.3 TOTAL AMPS: 16.7 OHMS RESISTANCE: 73

|      |           |           |      |           |           |      |           |           |      |           |           | ANODE READINGS |       |         |           |
|------|-----------|-----------|------|-----------|-----------|------|-----------|-----------|------|-----------|-----------|----------------|-------|---------|-----------|
| DEEP | LOG ANODE | ANODE NO. | DEEP | LOG ANODE | ANODE NO. | DEEP | LOG ANODE | ANODE NO. | DEEP | LOG ANODE | ANODE NO. | NO.            | DEPTH | NO COKE | WITH COKE |
| 5    |           |           | 185  | 1.3       |           | 365  |           |           | 545  |           |           | 1              | 270   | 2.3     | 5.5       |
| 10   |           |           | 190  | 1.3       | 9         | 370  |           |           | 550  |           |           | 2              | 260   | 2.4     | 6.1       |
| 15   |           |           | 195  | 1.5       |           | 375  |           |           | 555  |           |           | 3              | 250   | 2.3     | 6.0       |
| 20   |           |           | 200  | 1.6       | 8         | 380  |           |           | 560  |           |           | 4              | 240   | 1.8     | 4.7       |
| 25   |           |           | 205  | 1.7       |           | 385  |           |           | 565  |           |           | 5              | 230   | 2.6     | 5.9       |
| 30   |           |           | 210  | 1.7       | 7         | 390  |           |           | 570  |           |           | 6              | 220   | 1.8     | 5.8       |
| 35   |           |           | 215  | 1.7       |           | 395  |           |           | 575  |           |           | 7              | 210   | 2.4     | 6.2       |
| 40   |           |           | 220  | 1.6       | 6         | 400  |           |           | 580  |           |           | 8              | 200   | 2.4     | 5.8       |
| 45   |           |           | 225  | 1.7       |           | 405  |           |           | 585  |           |           | 9              | 190   | 1.8     | 4.4       |
| 50   |           |           | 230  | 1.8       | 5         | 410  |           |           | 590  |           |           | 10             | 180   | 1.8     | 4.8       |
| 55   |           |           | 235  | 1.5       |           | 415  |           |           | 595  |           |           |                |       |         |           |
| 60   |           |           | 240  | 1.4       | 4         | 420  |           |           | 600  |           |           |                |       |         |           |
| 65   |           |           | 245  | 1.5       |           | 425  |           |           | 605  |           |           |                |       |         |           |
| 70   |           |           | 250  | 1.6       | 3         | 430  |           |           | 610  |           |           |                |       |         |           |
| 75   |           |           | 255  | 1.8       |           | 435  |           |           | 615  |           |           |                |       |         |           |
| 80   |           |           | 260  | 1.7       | 2         | 440  |           |           | 620  |           |           |                |       |         |           |
| 85   |           |           | 265  | 1.7       |           | 445  |           |           | 625  |           |           |                |       |         |           |
| 90   |           |           | 270  | 1.6       | 1         | 450  |           |           | 630  |           |           |                |       |         |           |
| 95   |           |           | 275  | 1.7       |           | 455  |           |           | 635  |           |           |                |       |         |           |
| 100  |           |           | 280  | 1.7       |           | 460  |           |           | 640  |           |           |                |       |         |           |
| 105  |           |           | 285  | 1.8       |           | 465  |           |           | 645  |           |           |                |       |         |           |
| 110  |           |           | 290  | 1.8       | TD        | 470  |           |           | 650  |           |           |                |       |         |           |
| 115  |           |           | 295  |           |           | 475  |           |           | 655  |           |           |                |       |         |           |
| 120  | 1.1       |           | 300  |           |           | 480  |           |           | 660  |           |           |                |       |         |           |
| 125  | 1.0       |           | 305  |           |           | 485  |           |           | 665  |           |           |                |       |         |           |
| 130  | 1.1       |           | 310  |           |           | 490  |           |           | 670  |           |           |                |       |         |           |
| 135  | 1.5       |           | 315  |           |           | 495  |           |           | 675  |           |           |                |       |         |           |
| 140  | 1.3       |           | 320  |           |           | 500  |           |           | 680  |           |           |                |       |         |           |
| 145  | 1.4       |           | 325  |           |           | 505  |           |           | 685  |           |           |                |       |         |           |
| 150  | 1.5       |           | 330  |           |           | 510  |           |           | 690  |           |           |                |       |         |           |
| 155  | 1.4       |           | 335  |           |           | 515  |           |           | 695  |           |           |                |       |         |           |
| 160  | 1.5       |           | 340  |           |           | 520  |           |           | 700  |           |           |                |       |         |           |
| 165  | 1.5       |           | 345  |           |           | 525  |           |           | 705  |           |           |                |       |         |           |
| 170  | 1.5       |           | 350  |           |           | 530  |           |           | 710  |           |           |                |       |         |           |
| 175  | 1.5       |           | 355  |           |           | 535  |           |           | 715  |           |           |                |       |         |           |
| 180  | 1.4       | 10        | 360  |           |           | 540  |           |           | 720  |           |           |                |       |         |           |

REMARKS: 8-7-90 DRILLER said water at 25'. Next A.M. could NOT Blow water 8-8-90 DRILLER said water at 120'. waited 30 minutes, could not Blow water. Started injecting at 120'. did NOT get water sample

**P.O. BOX 1359 - PHONE 334-6141  
AZTEC, NEW MEXICO 87410**

## DAILY DRILLING REPORT

8-8

1990

WELL NUMBER:  
185 & 242

**SECTION:**  
12

**TOWNSHIP:**  
26

**RANGE:**  
10

**WATER AT:**

**FEET:**

## HOLE MADE:

120'

300'

[illegible]

REMARKS:

REMARKS: Had mud at 25' - Had water at 110' - 120'  
Had to go to injection at 130' Drilled to 300'

## Driller

Brian L. Buzge

## Tool Dresser