

200 - 30-045-20620  
247 - 30-045-21284

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

Operator MERIDIAN OIL CO. Location: Unit 0 Sec. 6 Twp. 26 Rng. 9

Name of Well/Wells or Pipeline Serviced Huerfano # 200 & 247

Elevation \_\_\_\_\_ Completion Date 8/9/90 Total Depth 380 Land Type \_\_\_\_\_

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

If Casing Strings are cemented, show amounts & types used \_\_\_\_\_

8" PVC Casing cemented 18 ft. used

If Cement or Bentonite Plugs have been placed, show depths & amounts used \_\_\_\_\_

Depths & thickness of water zones with description of water: Fresh, Clear,  
Salty, Sulphur, Etc. \_\_\_\_\_

Depths gas encountered: \_\_\_\_\_

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

370 ft., 3300 lbs used - Ashbury Petroleum Coke

Depths anodes placed: 360, 350, 340, 330, 320, 310, 285, 275, 265, 255

Depths vent pipes placed: 380 ft.

Vent pipe perforations: 200 ft. of 1" vent pipe perforated

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

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

Drilling Log (Attach Hereto) ☐Completion Date 8-9-90

|                                     |                           |                   |                       |                                                            |
|-------------------------------------|---------------------------|-------------------|-----------------------|------------------------------------------------------------|
| CPS #                               | Well Name, Line or Plant: | Work Order #      | Static:               | Ins. Union Check                                           |
| 908-W                               | Huerfano # 200            |                   |                       | <input type="checkbox"/> Good <input type="checkbox"/> Bad |
|                                     | Huerfano # 247            |                   |                       |                                                            |
|                                     |                           |                   |                       |                                                            |
| Location:                           |                           | Anode Size:       | Anode Type:           | Size Bit:                                                  |
| 06-26-9                             |                           | 2" X 60"          | ANOTEC                | 6 3/4"                                                     |
| Depth Drilled                       | Depth Logged              | Drilling Rig Time | Total Lbs. Coke Used  | Lost Circulation Mat'l Used                                |
| 380                                 | 370'                      |                   | 3300 #                |                                                            |
| Anode Depth                         |                           |                   |                       |                                                            |
| # 1 360                             | # 2 350                   | # 3 340           | # 4 330               | # 5 320                                                    |
| # 6 310                             | # 7 285                   | # 8 275           | # 9 265               | # 10 255                                                   |
| Anode Output (Amps)                 |                           |                   |                       |                                                            |
| # 1 3.5                             | # 2 3.6                   | # 3 6.4           | # 4 6.6               | # 5 5.0                                                    |
| # 6 3.7                             | # 7 3.7                   | # 8 5.0           | # 9 3.6               | # 10 3.8                                                   |
| 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 |                                                            |
| Volts 12.2    Amps 17.7    Ohms .69 |                           |                   | No. 2 C.P. Cable Used |                                                            |

Remarks: DRILLER said wet at 195' and 230', waited 30 minutes, Did NOT Blow water. STARTED INJECTING at 230'. Did NOT get water sample. RAN 380' of 1" VENT PIPE PERFORATED 200' of VENT PIPE. Left COKE Breeze down APPROXIMATELY 200'

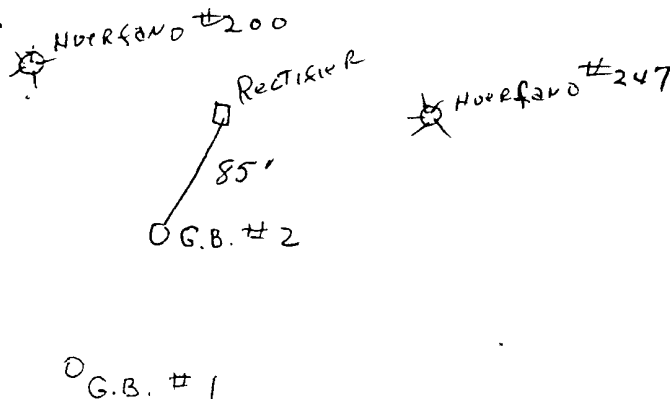
Rectifier Size: \_\_\_\_\_ V \_\_\_\_\_ A  
 Addn'l Depth: \_\_\_\_\_  
 Depth Credit: \_\_\_\_\_  
 Extra Cable: 10'  
 Ditch & 1 Cable: 85'  
 25' Meter Pole: \_\_\_\_\_  
 20' Meter Pole: \_\_\_\_\_  
 10' Stub Pole: \_\_\_\_\_  
 Junction Box: 1

All Construction Completed

*Willis Wright Jr.*  
(Signature)

## GROUND BED LAYOUT SKETCH

**RECEIVED**  
AUG 28 1990  
OIL CON. DIV.]  
DIST. 3



## CONSTRUCTION LOGGING READINGS

CPS #: 908-W WELL NAME: Huerfano #2008247 LOCATION: 06-26-9 DATE: 8-9-90

TOTAL VOLTS: 12.2 TOTAL AMPS: 17.7 OHMS RESISTANCE: .69

|      |           |           |      |           |           |      |           |           |      |           |           | 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  |           |           | 365  | 1.7       |           | 545  |           |           | 1              | 360   | 2.5     | 3.5       |
| 10   |           |           | 190  |           |           | 370  | 1.7       | TD        | 550  |           |           | 2              | 350   | 1.4     | 3.6       |
| 15   |           | -         | 195  | 2.1       |           | 375  |           |           | 555  |           |           | 3              | 340   | 2.7     | 6.4       |
| 20   |           |           | 200  | 2.1       |           | 380  |           |           | 560  |           |           | 4              | 330   | 3.4     | 6.6       |
| 25   |           |           | 205  | 2.0       |           | 385  |           |           | 565  |           |           | 5              | 320   | 2.0     | 5.0       |
| 30   |           |           | 210  | 1.8       |           | 390  |           |           | 570  |           |           | 6              | 310   | 1.6     | 3.9       |
| 35   |           |           | 215  | 1.1       |           | 395  |           |           | 575  |           |           | 7              | 285   | 1.3     | 3.7       |
| 40   |           |           | 220  | 1.1       |           | 400  |           |           | 580  |           |           | 8              | 275   | 2.5     | 5.0       |
| 45   |           |           | 225  | 1.0       |           | 405  |           |           | 585  |           |           | 9              | 265   | 1.4     | 3.6       |
| 50   |           |           | 230  | 1.0       |           | 410  |           |           | 590  |           |           | 10             | 255   | 1.5     | 3.8       |
| 55   |           |           | 235  | 1.1       |           | 415  |           |           | 595  |           |           |                |       |         |           |
| 60   |           |           | 240  | 1.4       |           | 420  |           |           | 600  |           |           |                |       |         |           |
| 65   |           |           | 245  | 1.7       |           | 425  |           |           | 605  |           |           |                |       |         |           |
| 70   |           |           | 250  | 1.4       |           | 430  |           |           | 610  |           |           |                |       |         |           |
| 75   |           |           | 255  | 1.1       | 10        | 435  |           |           | 615  |           |           |                |       |         |           |
| 80   |           |           | 260  | 1.2       |           | 440  |           |           | 620  |           |           |                |       |         |           |
| 85   |           |           | 265  | 1.2       | 9         | 445  |           |           | 625  |           |           |                |       |         |           |
| 90   |           |           | 270  | 1.6       |           | 450  |           |           | 630  |           |           |                |       |         |           |
| 95   |           |           | 275  | 2.0       | 8         | 455  |           |           | 635  |           |           |                |       |         |           |
| 100  |           |           | 280  | 1.6       |           | 460  |           |           | 640  |           |           |                |       |         |           |
| 105  |           |           | 285  | 1.1       | 7         | 465  |           |           | 645  |           |           |                |       |         |           |
| 110  |           |           | 290  | 1.90      |           | 470  |           |           | 650  |           |           |                |       |         |           |
| 115  |           |           | 295  | 1.80      |           | 475  |           |           | 655  |           |           |                |       |         |           |
| 120  |           |           | 300  | 1.70      |           | 480  |           |           | 660  |           |           |                |       |         |           |
| 125  |           |           | 305  | 1.0       |           | 485  |           |           | 665  |           |           |                |       |         |           |
| 130  |           |           | 310  | 1.4       | 6         | 490  |           |           | 670  |           |           |                |       |         |           |
| 135  |           |           | 315  | 1.5       |           | 495  |           |           | 675  |           |           |                |       |         |           |
| 140  |           |           | 320  | 1.9       | 5         | 500  |           |           | 680  |           |           |                |       |         |           |
| 145  |           |           | 325  | 2.2       |           | 505  |           |           | 685  |           |           |                |       |         |           |
| 150  |           |           | 330  | 2.2       | 4         | 510  |           |           | 690  |           |           |                |       |         |           |
| 155  |           |           | 335  | 2.2       |           | 515  |           |           | 695  |           |           |                |       |         |           |
| 160  |           |           | 340  | 2.1       | 3         | 520  |           |           | 700  |           |           |                |       |         |           |
| 165  |           |           | 345  | 1.6       |           | 525  |           |           | 705  |           |           |                |       |         |           |
| 170  |           |           | 350  | 1.1       | 2         | 530  |           |           | 710  |           |           |                |       |         |           |
| 175  |           |           | 355  | 1.90      |           | 535  |           |           | 715  |           |           |                |       |         |           |
| 180  |           |           | 360  | 1.7       | 1         | 540  |           |           | 720  |           |           |                |       |         |           |

REMARKS: DRILLER Said wet at 195' and 230', waited 30 minutes, Did Not Blow Water. Did Not get water sample Drilled to 380' Bit was wore out. Pulled out of hole to log.

**BURGE CORROSION SYSTEMS, INC.**

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

COMPANY MERIDIAN OIL DAILY DRILLING REPORT 8-9 19 90

|            |              |          |           |        |
|------------|--------------|----------|-----------|--------|
| WELL NAME: | WELL NUMBER: | SECTION: | TOWNSHIP: | RANGE: |
| Huerfano   | #200 & 247   |          |           |        |

**FEET:**

**HOLE MADE:**

Net 195 + 235

### DESCRIPTION OF FORMATION

[illegible]

REMARKS:

REMARKS: Set 20' 8" PVC Casing & cemented. Drilled to 230' waited - mud - no water sample at 235'

## Driller

Ernest E. Burge

## Tool Dresser