

Mansfield #1A 30-045-2726

Mansfield #6 30-045-09228

Mansfield Com #251 30-045-27038/660

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

Operator MERIDIAN OIL Location: Unit E Sec. 29 Twp 30 Rng 9

Name of Well/Wells or Pipeline Serviced MANSFIELD #1A, MANSFIELD #6,

MANSFIELD COM #251 cps 65w

Elevation 6136' Completion Date 7/20/90 Total Depth 290' 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. N/A

RECEIVED  
MAY 31 1991

Depths gas encountered: N/A

OIL CON. DIV  
DIST.

Type & amount of coke breeze used: 3850 lbs.

Depths anodes placed: 265', 245', 235', 225', 210', 200', 190', 180', 125', 115'

Depths vent pipes placed: 290' of 1" VENT PIPE

Vent pipe perforations: 210'

Remarks: qgb #3 DRILLER SAID HIT SAND WITH POSS. WATER AND GAS, STOPPED DRILLING.

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 7-20-90

|                          |                           |                   |          |                       |                             |                                                            |                       |          |           |
|--------------------------|---------------------------|-------------------|----------|-----------------------|-----------------------------|------------------------------------------------------------|-----------------------|----------|-----------|
| CPS #                    | Well Name, Line or Plant: |                   |          | Work Order #          | Static:                     | Ins. Union Check                                           |                       |          |           |
| 65-W                     | MANSFIELD #1A             |                   |          |                       |                             | <input type="checkbox"/> Good <input type="checkbox"/> Bad |                       |          |           |
|                          | MANSFIELD #6              |                   |          |                       |                             |                                                            |                       |          |           |
|                          | MANSFIELD #251            |                   |          |                       |                             |                                                            |                       |          |           |
| Location:                |                           | Anode Size:       |          | Anode Type:           | Size Bit:                   |                                                            |                       |          |           |
| F29-30-9                 |                           | 2" X 60"          |          | ANOTEC                | 6 3/4                       |                                                            |                       |          |           |
| Depth Drilled            | Depth Logged              | Drilling Rig Time |          | Total Lbs. Coke Used  | Lost Circulation Mat'l Used |                                                            | No. Sacks Mud Used    |          |           |
| 290                      | 290                       |                   |          | 3850                  |                             |                                                            |                       |          |           |
| Anode Depth              |                           |                   |          |                       |                             |                                                            |                       |          |           |
| # 1 2.65                 | # 2 2.45                  | # 3 2.35          | # 4 2.25 | # 5 2.10              | # 6 2.00                    | # 7 1.90                                                   | # 8 1.80              | # 9 1.25 | # 10 1.15 |
| Anode Output (Amps)      |                           |                   |          |                       |                             |                                                            |                       |          |           |
| # 1 1.9                  | # 2 2.5                   | # 3 2.7           | # 4 2.2  | # 5 2.2               | # 6 3.0                     | # 7 3.5                                                    | # 8 4.0               | # 9 1.9  | # 10 2.1  |
| 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 12.7               | Amps 10.8                 | Ohms 1.17         |          |                       |                             |                                                            |                       |          |           |

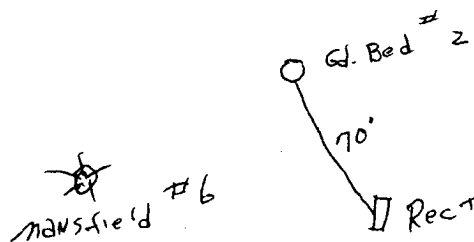
Remarks: Driller said wet at 80'. Waited 30 min, NO WATER. Drilled to 290' with AIR. Driller said hit sand with possible water and gas, STOPPED drilling. Ran 290' of 1" VENT Pipe, Perforated 210' of VENT Pipe. Left Cox Breeze approximately 80' from surface.

Rectifier Size: \_\_\_\_\_ V \_\_\_\_\_ A  
 Addn'l Depth: \_\_\_\_\_  
 Depth Credit: \_\_\_\_\_  
 Extra Cable: \_\_\_\_\_ 10'  
 Ditch & 1 Cable: \_\_\_\_\_ 70'  
 25' Meter Pole: \_\_\_\_\_  
 20' Meter Pole: \_\_\_\_\_  
 10' Stub Pole: \_\_\_\_\_  
 Junction Box: \_\_\_\_\_ 1

All Construction Completed

*Wills Knight Jr*  
 (Signature)

## GROUND BED LAYOUT SKETCH





## CONSTRUCTION LOGGING READINGS

Meridian 0.1

CPS #: 65-W WELL NAME: Mansfield #1A-25/16 LOCATION: E29-30-9 DATE: 7-20-90

TOTAL VOLTS: 12.7 TOTAL AMPS: 10.8 OHMS RESISTANCE: 1.17

|      |           |           |      |           |           |      |           |           |      |           |           | 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  | 1.8       |           | 365  |           |           | 545  |           |           | 1              | 265   | 1.1     | 1.9       |
| 10   |           |           | 190  | 1.6       | 7         | 370  |           |           | 550  |           |           | 2              | 245   | 1.2     | 2.5       |
| 15   |           |           | 195  | 1.1       |           | 375  |           |           | 555  |           |           | 3              | 235   | 1.8     | 2.7       |
| 20   |           |           | 200  | 1.1       | 6         | 380  |           |           | 560  |           |           | 4              | 225   | 1.3     | 2.2       |
| 25   |           |           | 205  | 1.4       |           | 385  |           |           | 565  |           |           | 5              | 210   | 1.0     | 2.2       |
| 30   |           |           | 210  | 1.2       | 5         | 390  |           |           | 570  |           |           | 6              | 200   | 1.4     | 3.0       |
| 35   |           |           | 215  | .80       |           | 395  |           |           | 575  |           |           | 7              | 190   | 1.6     | 3.5       |
| 40   |           |           | 220  | .50       |           | 400  |           |           | 580  |           |           | 8              | 180   | 2.4     | 4.0       |
| 45   |           |           | 225  | 1.0       | 4         | 405  |           |           | 585  |           |           | 9              | 125   | 1.0     | 1.9       |
| 50   |           |           | 230  | 1.0       |           | 410  |           |           | 590  |           |           | 10             | 115   | 1.0     | 2.1       |
| 55   |           |           | 235  | 1.3       | 3         | 415  |           |           | 595  |           |           |                |       |         |           |
| 60   |           |           | 240  | 1.4       |           | 420  |           |           | 600  |           |           |                |       |         |           |
| 65   |           |           | 245  | 1.2       | 2         | 425  |           |           | 605  |           |           |                |       |         |           |
| 70   |           |           | 250  | .80       |           | 430  |           |           | 610  |           |           |                |       |         |           |
| 75   |           |           | 255  | .70       |           | 435  |           |           | 615  |           |           |                |       |         |           |
| 80   | 1.1       |           | 260  | .80       |           | 440  |           |           | 620  |           |           |                |       |         |           |
| 85   | 1.1       | 11        | 265  | 1.0       | 1         | 445  |           |           | 625  |           |           |                |       |         |           |
| 90   | .70       |           | 270  | .80       |           | 450  |           |           | 630  |           |           |                |       |         |           |
| 95   | .60       |           | 275  | .80       |           | 455  |           |           | 635  |           |           |                |       |         |           |
| 100  | .50       |           | 280  | .80       |           | 460  |           |           | 640  |           |           |                |       |         |           |
| 105  | .60       |           | 285  | .40       |           | 465  |           |           | 645  |           |           |                |       |         |           |
| 110  | .70       |           | 290  | .80       | T.D.      | 470  |           |           | 650  |           |           |                |       |         |           |
| 115  | .90       | 10        | 295  |           |           | 475  |           |           | 655  |           |           |                |       |         |           |
| 120  | .90       |           | 300  |           |           | 480  |           |           | 660  |           |           |                |       |         |           |
| 125  | .90       | 9         | 305  |           |           | 485  |           |           | 665  |           |           |                |       |         |           |
| 130  | .50       |           | 310  |           |           | 490  |           |           | 670  |           |           |                |       |         |           |
| 135  | .50       |           | 315  |           |           | 495  |           |           | 675  |           |           |                |       |         |           |
| 140  | .50       |           | 320  |           |           | 500  |           |           | 680  |           |           |                |       |         |           |
| 145  | .50       |           | 325  |           |           | 505  |           |           | 685  |           |           |                |       |         |           |
| 150  | .60       |           | 330  |           |           | 510  |           |           | 690  |           |           |                |       |         |           |
| 155  | .70       |           | 335  |           |           | 515  |           |           | 695  |           |           |                |       |         |           |
| 160  | .80       |           | 340  |           |           | 520  |           |           | 700  |           |           |                |       |         |           |
| 165  | .60       |           | 345  |           |           | 525  |           |           | 705  |           |           |                |       |         |           |
| 170  | .40       |           | 350  |           |           | 530  |           |           | 710  |           |           |                |       |         |           |
| 175  | .40       |           | 355  |           |           | 535  |           |           | 715  |           |           |                |       |         |           |
| 180  | 1.5       | 8         | 360  |           |           | 540  |           |           | 720  |           |           |                |       |         |           |

REMARKS: Driller said wet at 80. waited 30 min. Did not get water sample. Drilled to 290, hit possible water and gas sand. Driller said he had a mud boot at 80. when coming out of hole. Possible water at this depth