

1452

#6 30-045-10494

#13 30-045-10483

#103 30-045-27283

E M.

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

Operator MERIDIAN OIL CO. Location: Unit SW Sec. 20 Twp 31 Rng 11

Name of Well/Wells or Pipeline Serviced Granier # 6 & # 13 & # 103

cps 4065w

Elevation 6033 Completion Date 7/17/90 Total Depth 300 ft. Land Type N/A

Casing Strings, Sizes, Types & Depths Set 60 ft. 8" PVC CEMENTED WITH  
FIVE SACKS

If Casing Strings are cemented, show amounts & types used FIVE SACKS OF  
PORTLAND CEMENT

If Cement or Bentonite Plugs have been placed, show depths & amounts used.  
N/A

Depths & thickness of water zones with description of water: Fresh, Clear,  
Salty, Sulphur, Etc. 110 to 120 ft., no sample also water sand at 45-50 ft.  
wash water 0 to 20 ft.

Depths gas encountered: N/A

Ground bed depth with type & amount of coke breeze used:   
290 logged and 3000 lbs of Ashbury Petroleum Coke used.

Depths anodes placed: 265, 255, 245, 235, 225, 215, 205, 195, 185, 175

Depths vent pipes placed: 290 ft. 1" vent pipe

Vent pipe perforations: 190 ft. perforated

Remarks: (gb) #1

RECEIVED  
MAY 31 1991  
OIL CON. DIV.  
DIST. 3

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 7-17-90

|                          |                           |                   |                       |                                                                       |
|--------------------------|---------------------------|-------------------|-----------------------|-----------------------------------------------------------------------|
| CPS #                    | Well Name, Line or Plant: | Work Order #      | Static:               | Ins. Union Check                                                      |
| 4065-W                   | GRAVIER # 6               |                   |                       | <input checked="" type="checkbox"/> Good <input type="checkbox"/> Bad |
|                          | GRAVIER # 13              |                   |                       |                                                                       |
|                          | GRAVIER # 103             |                   |                       |                                                                       |
| Location:                | Anode Size:               | Anode Type:       | Size Bit:             |                                                                       |
| SW20-31-11               | 2" X 60'                  | ANOTEC            | 6 3/4"                |                                                                       |
| Depth Drilled            | Depth Logged              | Drilling Rig Time | Total Lbs. Coke Used  | Lost Circulation Mat'l Used                                           |
| 300'                     | 290'                      |                   | 3000#                 |                                                                       |
| Anode Depth              |                           |                   |                       |                                                                       |
| # 1 265'                 | # 2 255'                  | # 3 245'          | # 4 235'              | # 5 225'                                                              |
| # 6 215'                 | # 7 205'                  | # 8 195'          | # 9 185'              | # 10 175'                                                             |
| Anode Output (Amps)      |                           |                   |                       |                                                                       |
| # 1 6.6                  | # 2 4.9                   | # 3 5.5           | # 4 6.5               | # 5 7.0                                                               |
| # 6 6.5                  | # 7 6.3                   | # 8 7.3           | # 9 7.4               | # 10 7.8                                                              |
| 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 |                           |                   |                       |                                                                       |
| Volts 12.6               | Amps 23.6                 | Ohms .53          | No. 8 C.P. Cable Used | No. 2 C.P. Cable Used                                                 |

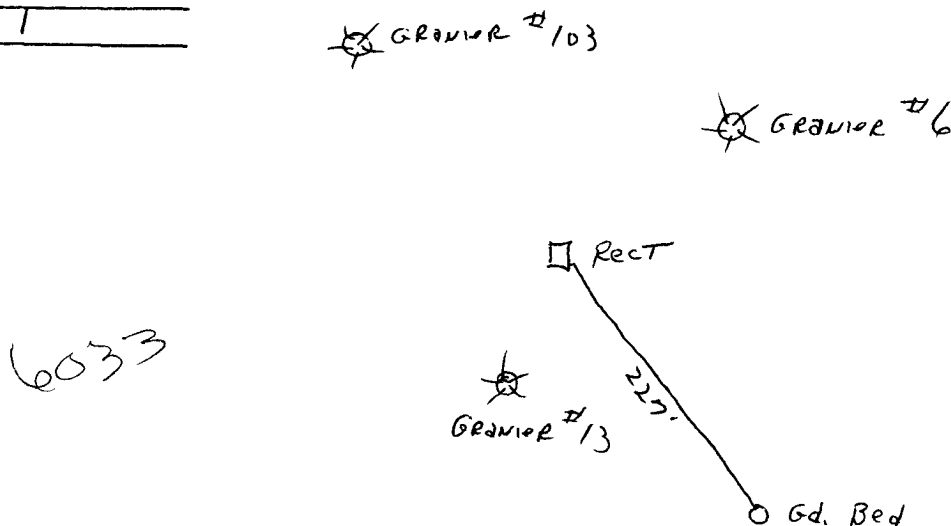
Remarks: Set 60' of 8" PVC casing. Driller said HIT WATER AT 20'. Had to inject water to set casing. Did NOT get water sample. Poured 30 gal. of cement and let equalized outside and inside pipe inside pipe and 15 gal. of cement on outside of pipe to seal off water. Driller said HIT WATER sand at 110'. Injecting water, did NOT get water sample. Installed 290' of 1" Vent pipe. Isolated water zones by casing and cement. Left coke breeze approx. 130' down hole. Perforated 190' of 1" Vent pipe.

Rectifier Size: \_\_\_\_\_ V \_\_\_\_\_ A  
 Addn'l Depth \_\_\_\_\_  
 Depth Credit: \_\_\_\_\_  
 Extra Cable: 10'  
 Ditch & 1 Cable: 227'  
 25' Meter Pole: \_\_\_\_\_  
 20' Meter Pole: \_\_\_\_\_  
 10' Stub Pole: \_\_\_\_\_  
 Junction Box: 1

All Construction Completed

*Willis Knight Jr.*  
 (Signature)

## GROUND BED LAYOUT SKETCH



CONSTRUCTION LOGGING READINGS

CPS #: 4065-W WELL NAME: GRANIER #6-13-103 LOCATION: SW 20-31-11 DATE: 7-17-90

TOTAL VOLTS: 12.6 TOTAL AMPS: 23.6 OHMS RESISTANCE: 53

|      |               |      |               |      |               |      |               |      |               |      |               | ANODE READINGS |       |         |           |
|------|---------------|------|---------------|------|---------------|------|---------------|------|---------------|------|---------------|----------------|-------|---------|-----------|
| DEEP | LOG ANODE NO. | DEEP | LOG ANODE NO. | DEEP | LOG ANODE NO. | DEEP | LOG ANODE NO. | DEEP | LOG ANODE NO. | DEEP | LOG ANODE NO. | NO.            | DEPTH | NO COKE | WITH COKE |
| 5    |               | 185  | 1.9           | 9    | 365           |      |               | 545  |               |      |               | 1              | 265   | 3.3     | 6.6       |
| 10   |               | 190  | 2.1           |      | 370           |      |               | 550  |               |      |               | 2              | 255   | 2.2     | 4.9       |
| 15   |               | 195  | 1.8           | 8    | 375           |      |               | 555  |               |      |               | 3              | 245   | 2.6     | 5.5       |
| 20   |               | 200  | 1.9           |      | 380           |      |               | 560  |               |      |               | 4              | 235   | 3.8     | 6.5       |
| 25   |               | 205  | 1.8           | 7    | 385           |      |               | 565  |               |      |               | 5              | 225   | 3.1     | 7.0       |
| 30   |               | 210  | 1.7           |      | 390           |      |               | 570  |               |      |               | 6              | 215   | 3.2     | 6.5       |
| 35   |               | 215  | 1.9           | 6    | 395           |      |               | 575  |               |      |               | 7              | 205   | 2.2     | 6.3       |
| 40   |               | 220  | 2.1           |      | 400           |      |               | 580  |               |      |               | 8              | 195   | 2.4     | 7.3       |
| 45   |               | 225  | 2.0           | 5    | 405           |      |               | 585  |               |      |               | 9              | 185   | 2.5     | 7.4       |
| 50   |               | 230  | 1.8           |      | 410           |      |               | 590  |               |      |               | 10             | 175   | 2.7     | 7.8       |
| 55   |               | 235  | 2.0           | 4    | 415           |      |               | 595  |               |      |               |                |       |         |           |
| 60   |               | 240  | 2.0           |      | 420           |      |               | 600  |               |      |               |                |       |         |           |
| 65   |               | 245  | 1.7           | 3    | 425           |      |               | 605  |               |      |               |                |       |         |           |
| 70   |               | 250  | 2.0           |      | 430           |      |               | 610  |               |      |               |                |       |         |           |
| 75   |               | 255  | 2.1           | 2    | 435           |      |               | 615  |               |      |               |                |       |         |           |
| 80   |               | 260  | 2.4           |      | 440           |      |               | 620  |               |      |               |                |       |         |           |
| 85   |               | 265  | 2.8           | 1    | 445           |      |               | 625  |               |      |               |                |       |         |           |
| 90   |               | 270  | 4.1           |      | 450           |      |               | 630  |               |      |               |                |       |         |           |
| 95   |               | 275  | 4.3           |      | 455           |      |               | 635  |               |      |               |                |       |         |           |
| 100  | 1.2           | 280  | 3.9           |      | 460           |      |               | 640  |               |      |               |                |       |         |           |
| 105  | 1.0           | 285  | 3.9           |      | 465           |      |               | 645  |               |      |               |                |       |         |           |
| 110  | 1.0           | 290  | 3.8           | T.D  | 470           |      |               | 650  |               |      |               |                |       |         |           |
| 115  | 1.90          | 295  |               |      | 475           |      |               | 655  |               |      |               |                |       |         |           |
| 120  | 1.2           | 300  |               |      | 480           |      |               | 660  |               |      |               |                |       |         |           |
| 125  | 1.60          | 305  |               |      | 485           |      |               | 665  |               |      |               |                |       |         |           |
| 130  | 1.50          | 310  |               |      | 490           |      |               | 670  |               |      |               |                |       |         |           |
| 135  | 1.3           | 315  |               |      | 495           |      |               | 675  |               |      |               |                |       |         |           |
| 140  | 2.1           | 320  |               |      | 500           |      |               | 680  |               |      |               |                |       |         |           |
| 145  | 1.9           | 325  |               |      | 505           |      |               | 685  |               |      |               |                |       |         |           |
| 150  | 1.7           | 330  |               |      | 510           |      |               | 690  |               |      |               |                |       |         |           |
| 155  | 2.3           | 335  |               |      | 515           |      |               | 695  |               |      |               |                |       |         |           |
| 160  | 2.0           | 340  |               |      | 520           |      |               | 700  |               |      |               |                |       |         |           |
| 165  | 2.0           | 345  |               |      | 525           |      |               | 705  |               |      |               |                |       |         |           |
| 170  | 1.7           | 350  |               |      | 530           |      |               | 710  |               |      |               |                |       |         |           |
| 175  | 2.1           | 355  | 10            |      | 535           |      |               | 715  |               |      |               |                |       |         |           |
| 180  | 2.0           | 360  |               |      | 540           |      |               | 720  |               |      |               |                |       |         |           |

REMARKS:

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

## MERIDIAN Q.1

## DAILY DRILLING REPORT

July 17, 1970

**WELL NUMBER:**

**SECTION:**

**TOWNSHIP:**

**RANGE:**

GRENIER 6,13,103

**WATER AT:**

## FEET:

## HOLE MADE:

20-25' / 45-50' / 120-120'

300'

### DESCRIPTION OF FORMATION

[illegible]

REMARKS:

REMARKS: Set 20' 8" cemented with 2 sacks - lost hole due to wash sand-water running. Moved and set 60' 8" PVC Casing with 5 sacks cement.

## Driller

Brian E. Burge

## Tool Dresser