

#25 30-039-07418

8

871

#101 30-039-21804

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

Operator MERIDIAN OIL Location: Unit SW Sec 13 Twp 28 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-5 UNIT #101, #25

cps 1111w

Elevation 7528' Completion Date 10/25/77 Total Depth 320' 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. 100'

Depths gas encountered: N/A

Type & amount of coke breeze used: 40 SACKS

Depths anodes placed: 285', 275', 265', 240', 230', 220', 190', 175', 155'

Depths vent pipes placed: 300' OF 1" PVC VENT PIPE

Vent pipe perforations: 200'

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 10-25-77

|                                        |                         |                                         |                             |                                             |                       |
|----------------------------------------|-------------------------|-----------------------------------------|-----------------------------|---------------------------------------------|-----------------------|
| Well Name<br><b>SAN JUAN 28-5 # 25</b> |                         | Location<br><b>SW 13-28-5</b>           |                             | CPS No.<br><b>1111 W</b>                    |                       |
| Type & Size Bit Used<br><b>6 3/4"</b>  |                         |                                         |                             | Work Order No.<br><b>184-53217.19-50-20</b> |                       |
| Anode Hole Depth<br><b>1099ed 315'</b> | Total Drilling Rig Time | Total Lbs. Coke Used<br><b>40 Sacks</b> | Lost Circulation Mat'l Used | No. Sacks Mud Used                          |                       |
| Anode Depth                            |                         |                                         |                             |                                             |                       |
| # 1 <b>285'</b>                        | # 2 <b>275'</b>         | # 3 <b>265'</b>                         | # 4 <b>240'</b>             | # 5 <b>230'</b>                             | # 6 <b>200'</b>       |
| # 7 <b>190'</b>                        | # 8 <b>175'</b>         | # 9 <b>165'</b>                         | # 10 <b>155'</b>            |                                             |                       |
| Anode Output (Amps)                    |                         |                                         |                             |                                             |                       |
| # 1 <b>3.9</b>                         | # 2 <b>4.0</b>          | # 3 <b>3.6</b>                          | # 4 <b>3.6</b>              | # 5 <b>3.8</b>                              | # 6 <b>4.1</b>        |
| # 7 <b>4.6</b>                         | # 8 <b>4.0</b>          | # 9 <b>4.1</b>                          | # 10 <b>3.9</b>             |                                             |                       |
| 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 <b>11.7</b>                      | Amps <b>16.5</b>        | Ohms <b>.70</b>                         |                             |                                             | No. 2 C.P. Cable Used |

Remarks: **STATIC 600' S = .75**

**DRILLER SAID HIT WATER AT 100', NEXT A.M. BLEW WATER**

**INSTALLED 300' OF 1" VENT PIPE, PERFORATED 200' OF VENT PIPE**

**SLOPPED 40 SACK OF COKE**

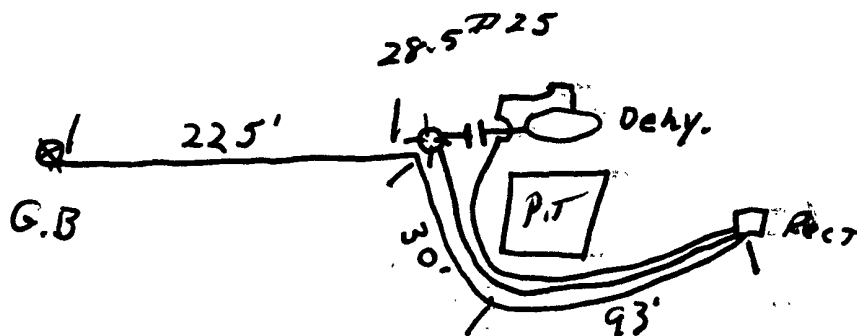
**40V 16A RECT.**

**STUB POLE**

All Construction Completed

*William Knight Jr.*  
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

- WHITE - Division Corrosion Office
- YELLOW - Area Corrosion Office
- PINK - Originator File

El Paso Natural Gas Company  
ENGINEERING CALCULATIONSheet: \_\_\_\_\_ of \_\_\_\_\_  
Date: 12-25-77  
By: \_\_\_\_\_  
File: \_\_\_\_\_SAN JUAN 28.5 #25  
SW 13-28-5  
CPS 1111 W

W/O 184-53217.19-50-20

| MW     |                 | gals/mol |
|--------|-----------------|----------|
| 16.04  | C <sub>1</sub>  | 6.4      |
| 30.07  | C <sub>2</sub>  | 10.12    |
| 44.10  | C <sub>3</sub>  | 10.42    |
| 58.12  | iC <sub>4</sub> | 12.38    |
| 58.12  | nC <sub>4</sub> | 11.93    |
| 72.15  | iC <sub>5</sub> | 13.85    |
| 72.15  | nC <sub>5</sub> | 13.71    |
| 86.18  | iC <sub>6</sub> | 15.50    |
| 86.18  | C <sub>6</sub>  | 15.57    |
| 100.21 | iC <sub>7</sub> | 17.2     |
| 100.21 | C <sub>7</sub>  | 17.46    |
| 114.23 | C <sub>8</sub>  | 19.39    |
| 28.05  | C <sub>2</sub>  | 9.64     |
| 42.08  | C <sub>3</sub>  | 9.67     |

| MW    | MISC.            | gals/mol |
|-------|------------------|----------|
| 32.00 | O <sub>2</sub>   | 3.37     |
| 28.01 | CO               | 4.19     |
| 44.01 | CO <sub>2</sub>  | 6.38     |
| 64.06 | SO <sub>2</sub>  | 5.50     |
| 34.08 | H <sub>2</sub> S | 5.17     |
| 28.01 | N <sub>2</sub>   | 4.16     |
| 2.02  | H <sub>2</sub>   | 3.38     |

|                  |          |              |            |                                                    |         |
|------------------|----------|--------------|------------|----------------------------------------------------|---------|
| STATIC 28.5 #25  |          | 600' S = .75 |            | DRILLER Said hit WATER AT 100'. NEXT AM BLEW WATER |         |
| 4' x 16" Rect.   |          |              |            | Installed 300' of 1" VENT PIPE                     |         |
| STUB Pole        |          |              |            | PERFORATED 200' of VENT PIPE                       |         |
| 10 ANDOLES DUREN |          |              |            | SLURRIED 40 JACKS CORE                             |         |
| 100'             | 1.4      |              | 1.9        |                                                    |         |
|                  | 1.5      | 30           | 1.7 (5)    |                                                    |         |
| 10               | 1.6      |              | 2.0        |                                                    |         |
|                  | 1.7      | 40           | 2.0 (4)    |                                                    |         |
| 20               | 1.7      |              | 1.8        |                                                    |         |
|                  | 1.5      | 50           | 1.8        |                                                    |         |
| 30               | 1.5      |              | 1.4        |                                                    |         |
|                  | 1.6      | 60           | 1.6        |                                                    |         |
| 40               | 1.7      |              | 1.9 (3)    |                                                    |         |
|                  | 1.7      | 70           | 1.8        |                                                    |         |
| 50               | 1.7      |              | 2.0 (2)    |                                                    |         |
|                  | 1.8 (10) | 80           | 2.0        |                                                    |         |
| 60               | 1.8      |              | 1.9 (1)    |                                                    |         |
|                  | 1.8 (9)  | 90           | 1.8        |                                                    |         |
| 70               | 1.7      |              | 2.0        |                                                    |         |
|                  | 1.9 (8)  | 300          | 2.1        |                                                    |         |
| 80               | 1.7      |              | 1.9        |                                                    |         |
|                  | 2.0      | 10           | 1.1        |                                                    |         |
| 90               | 1.9 (7)  |              | 1099' 315' |                                                    |         |
|                  | 2.2      | 20           | TD 320     |                                                    |         |
| 200              | 2.0 (6)  |              |            | ① 285                                              | 2.3 3.9 |
|                  | 1.8      | 30           |            | ② 275                                              | 2.5 4.0 |
| 10               | 1.8      |              |            | ③ 265                                              | 2.2 3.6 |
|                  | 2.0      | 40           |            | ④ 240                                              | 2.4 3.6 |
| 20               | 1.9      |              |            | ⑤ 230                                              | 2.3 3.8 |
|                  |          |              |            | ⑥ 200                                              | 2.4 4.1 |
|                  |          |              |            | ⑦ 190                                              | 2.4 4.6 |
|                  |          |              |            | ⑧ 175                                              | 2.3 4.0 |
|                  |          |              |            | ⑨ 165                                              | 2.3 4.1 |
|                  |          |              |            | ⑩ 155                                              | 2.3 3.9 |
|                  |          |              |            | 11.7 VOLTS                                         |         |
|                  |          |              |            | 16.5 AMPS                                          |         |
|                  |          |              |            | .70 OHMS                                           |         |

