

919

30-039-20472

E

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

Operator MERIDIAN OIL Location: Unit SE Sec. 9 Twp 28 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-5 UNIT #89

cps 1117w

Elevation 6690' Completion Date 9/26/77 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. 80'

Depths gas encountered: N/A

Type & amount of coke breeze used: 33 SACKS

Depths anodes placed: 280', 255', 245', 235', 225', 215', 160', 150', 140', 125'

Depths vent pipes placed: 288' OF 1" PVC VENT PIPE

Vent pipe perforations: 200'

Remarks: gb #1

**RECEIVED**  
MAY 31 1991  
OIL CON. D.  
DIST.

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 9-26-77

|                                                       |                         |                                         |                             |                                             |                |
|-------------------------------------------------------|-------------------------|-----------------------------------------|-----------------------------|---------------------------------------------|----------------|
| Well Name<br><u>SAN JUAN 28-5 # 89</u>                |                         | Location<br><u>SE 9-28-5</u>            |                             | CPS No.<br><u>1117 W</u>                    |                |
| Type & Size Bit Used<br><u>6 3/4</u>                  |                         |                                         |                             | Work Order No.<br><u>184-54987.19-50-20</u> |                |
| Anode Hole Depth<br><u>320'</u><br><u>logged 308'</u> | Total Drilling Rig Time | Total Lbs. Coke Used<br><u>33 sacks</u> | Lost Circulation Mat'l Used | No. Sacks Mud Used                          |                |
| Anode Depth                                           |                         |                                         |                             |                                             |                |
| # 1 <u>280</u>                                        | # 2 <u>255</u>          | # 3 <u>245</u>                          | # 4 <u>235</u>              | # 5 <u>225</u>                              | # 6 <u>215</u> |
| # 7 <u>160</u>                                        | # 8 <u>150</u>          | # 9 <u>140</u>                          | # 10 <u>125</u>             |                                             |                |
| Anode Output (Amps)                                   |                         |                                         |                             |                                             |                |
| # 1 <u>3.8</u>                                        | # 2 <u>2.9</u>          | # 3 <u>4.4</u>                          | # 4 <u>4.8</u>              | # 5 <u>5.9</u>                              | # 6 <u>2.9</u> |
| # 7 <u>3.9</u>                                        | # 8 <u>4.5</u>          | # 9 <u>4.3</u>                          | # 10 <u>4.0</u>             |                                             |                |
| 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 <u>11.6</u>                                     | Amps <u>17.3</u>        | Ohms <u>.67</u>                         |                             |                                             |                |

Remarks: DRILLER said HIT WATER AT 80', NEXT A.M BLEW WATER  
STATIC - 600' N = .68

INSTALLED 288' of 1" VENT PIPE, PERFORATED 200' of VENT PIPE  
SLURRIED 33 SACKS COKE

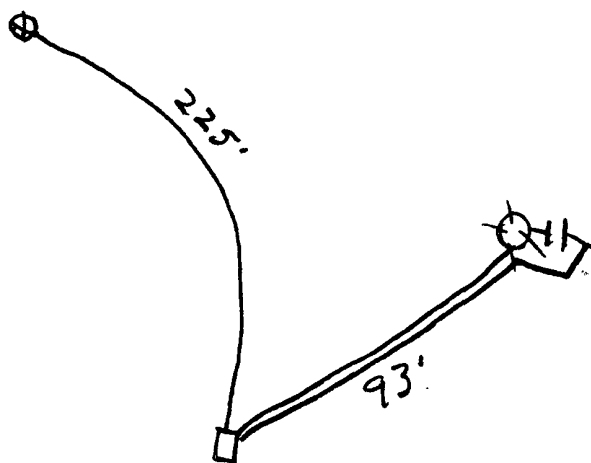
40V 16A RECT

STUB POLE

All Construction Completed

Willis Knight Jr.  
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

10690'

El Paso Natural Gas Company  
ENGINEERING CALCULATION

Sheet: 1 of 1  
Date: 9-26-77  
By: \_\_\_\_\_  
File: \_\_\_\_\_

SAN JUAN 28-5<sup>TH</sup> 87  
SE 9-28-5  
CPS 1117 W

W/D 184-SU987-50-20

| 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 600' N = .68 |       | DRILLER Said HIT WATER         |       |
| 40/16A Rect         |       | AT 80' Next AM Blew WATER      |       |
| STUB Pipe           |       | Installed 288' of 1" Vent Pipe |       |
|                     |       | CORRODATED 200' of Vent Pipe   |       |
|                     |       | SUPPLIED 33 SACKS COKE         |       |
|                     |       |                                |       |
|                     |       |                                |       |
| 80                  | .18   | 100                            | .16   |
|                     | 2.3   | 20                             | .19   |
| 20                  | 2.2   | 30                             | 1.2 ⑥ |
|                     | 1.9   | 40                             | 1.9   |
| 100                 | 2.1   | 50                             | 2.7 ⑨ |
|                     | 1.0   | 60                             | 2.8   |
| 10                  | .2    | 70                             | 2.9 ④ |
|                     | .3    | 80                             | 2.9   |
| 20                  | .7    | 90                             | 2.6 ③ |
|                     | 2.1 ⑩ | 100                            | 1.9   |
| 30                  | 1.6   | 110                            | 1.6 ② |
|                     | 2.6   | 120                            | 1.5   |
| 40                  | 2.4 ⑨ | 130                            | .8    |
|                     | 2.0   | 140                            | .9    |
| 50                  | 2.1 ⑧ | 150                            | 1.5   |
|                     | 2.3   | 160                            | 2.0 ① |
| 60                  | 2.1 ⑦ | 170                            | 1.5   |
|                     | 1.3   | 180                            | .4    |
| 70                  | .9    | 190                            | .2    |
|                     | .8    | 300                            | 1.0   |
| 80                  | .8    | logged 308"                    |       |
|                     | .9    | 10 TD 320                      |       |
| 90                  | 1.0   | 20                             |       |
|                     | .6    |                                |       |
| 200                 | .7    |                                |       |
|                     |       | ① 280 2.2 3.8                  |       |
|                     |       | ② 255 1.8 2.9                  |       |
|                     |       | ③ 245 2.8 4.4                  |       |
|                     |       | ④ 235 3.0 4.8                  |       |
|                     |       | ⑤ 225 2.8 5.9                  |       |
|                     |       | ⑥ 215 1.4 2.9                  |       |
|                     |       | ⑦ 160 2.5 3.9                  |       |
|                     |       | ⑧ 150 2.6 4.5                  |       |
|                     |       | ⑨ 140 2.6 4.3                  |       |
|                     |       | ⑩ 125 2.3 4.0                  |       |
|                     |       | 11.6 VOLTS                     |       |
|                     |       | 173 AMPS                       |       |
|                     |       | .67 ohms                       |       |

## DAILY DRILLING REPORT

[illegible]

SIGNED: Toolpusher

\_\_\_\_ Company Supervisor