

30-039-21904

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

Operator MERIDIAN OIL Location: Unit NW Sec. 34 Twp 30 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 30-6 UNIT #99A  
cps 1492w

Elevation 6317' Completion Date 8/6/80 Total Depth 580' 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. WET AT 120', 200', 300' NO SAMPLE

Depths gas encountered: N/A

Type & amount of coke breeze used: 66 SACKS

Depths anodes placed: 485', 475', 465', 435', 405', 395', 360', 335', 325', 315'

Depths vent pipes placed: 570'

Vent pipe perforations: 300'

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

8hr Reg  
5" O.T

Drilling Log (Attach Hereto) ☐

2 X 60 ANODAS

Completion Date 8-6-80

|                                         |                         |                                                |                             |                            |          |
|-----------------------------------------|-------------------------|------------------------------------------------|-----------------------------|----------------------------|----------|
| Well Name<br>ST 30-6 #99A               |                         | Location<br>NW 34-30-7                         |                             | CPS No<br>1492 W           |          |
| Type & Size Bit Used<br>6 3/4           |                         |                                                |                             | Work Order No.<br>57589-21 |          |
| Anode Hole Depth<br>580'<br>1099ed 570' | Total Drilling Rig Time | Total Lbs. Coke Used<br>66 <del>75</del> SACKS | Lost Circulation Mat'l Used | No. Sacks Mud Used         |          |
| Anode Depth                             | # 1 485                 | # 2 475                                        | # 3 465                     | # 4 435                    | # 5 405  |
| Anode Output (Amps)                     | # 1 1.6                 | # 2 2.3                                        | # 3 1.8                     | # 4 1.5                    | # 5 1.9  |
| Anode Depth                             | # 6 395                 | # 7 360                                        | # 8 335                     | # 9 325                    | # 10 315 |
| Anode Output (Amps)                     | # 6 1.4                 | # 7 1.7                                        | # 8 1.5                     | # 9 1.5                    | # 10 1.5 |
| Anode Depth                             | # 11                    | # 12                                           | # 13                        | # 14                       | # 15     |
| Anode Output (Amps)                     | # 11                    | # 12                                           | # 13                        | # 14                       | # 15     |
| Total Circuit Resistance                | Volts 10.8              |                                                | Amps 9.8                    |                            | Ohms 1.1 |
| No. 8 C.P. Cable Used                   |                         | No. 2 C.P. Cable Used                          |                             |                            |          |

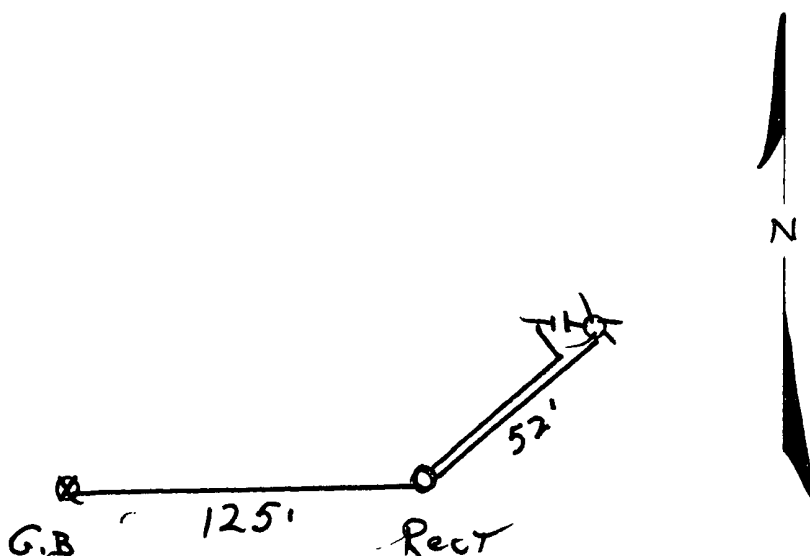
Remarks: DRILLER Said WET AT 120', 200'. DRILLED TO 280, NEXT A.M.  
Blew hole, NO WATER. WET AT 300' STARTED MAKING WATER.  
DRILLER WAS INJECTING WHEN HOLE STARTED MAKING WATER. NO WATER  
SAMPLE. INSTALLED 570' of 1" VENT PIPE, PERFORATED 300' & VE  
PIPE.

1 10' STUB Pole ✓  
1 40V 16A Rect ✓  
DITCH + 1 cable - 177' ✓  
EXTRA cable - 82' ✓  
Hole Depth - + ~~580~~ 70' ✓

All Construction Completed

William Knight Jr  
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

6307



El Paso Natural Gas Company  
ENGINEERING CALCULATION

Sheet: of  
Date: 8-6-82  
By: WK  
File:

S.J 30-6 #99A  
NW 34-30-7  
CPS 1492 W  
W/O 57589

STATIC 600' W-86  
UNION OK

| 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.<br>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              |

1 10' STUB Pole  
1 40V 16A Rect.  
DITCH + 1 cable 177  
EXTRA cable 82  
Hole DEPTH - + 80'

DRILLER Said Jamp at 120',  
+ 200' drilled to 280', next  
A.M. Blew hole no water, wet  
at 300' hole making water  
Installed 570' of 1" VENT PIPE  
PERFORATED 300' of VENT PIPE  
Slurried 76 sock of coke  
DRILLER WAS INJECTING WHEN  
HIT WATER AT 300'. Could  
NOT get water Sample

|     |       |     |       |
|-----|-------|-----|-------|
| 300 | 1.0   | 75  | 1.4 ② |
| 05  | .9    | 80  | 1.1   |
| 10  | 1.1   | 85  | 1.1 ① |
| 15  | 1.0 ⑩ | 90  | .7    |
| 20  | .9    | 95  | .7    |
| 25  | 1.0 ⑦ | 500 | .8    |
| 30  | 1.7   | 05  | .4    |
| 35  | 1.2 ⑧ | 10  | .6    |
| 40  | .7    | 15  | .8    |
| 45  | .7    | 20  | .8    |
| 50  | .7    | 25  | .8    |
| 55  | .8    | 30  | .8    |
| 60  | 1.0 ⑨ | 35  | .9    |
| 65  | .8    | 40  | .9    |
| 70  | .8    | 45  | .9    |
| 75  | .7    | 50  | .9    |
| 80  | .7    | 55  | .9    |
| 85  | .9    | 60  | .8    |
| 90  | .7    | 65  | .8    |
| 95  | 1.1 ⑥ | 70  | .8    |
| 400 | 1.9   | 75  | 8 T.D |
| 05  | 1.2 ③ | 80  |       |
| 10  | .9    |     |       |
| 15  | .8    |     |       |
| 20  | .7    |     |       |
| 25  | .8    |     |       |
| 30  | 1.0   |     |       |
| 35  | 1.0 ④ |     |       |
| 40  | .9    |     |       |
| 45  | .8    |     |       |
| 50  | .8    |     |       |
| 55  | .9    |     |       |
| 60  | .7    |     |       |
| 65  | 1.0 ⑤ |     |       |
| 70  | 1.4   |     |       |

|   |     |     |     |
|---|-----|-----|-----|
| ① | 485 | 1.0 | 1.6 |
| ② | 475 | 1.4 | 2.3 |
| ③ | 465 | 1.0 | 1.8 |
| ④ | 435 | 1.0 | 1.5 |
| ⑤ | 405 | 1.2 | 1.9 |
| ⑥ | 395 | 1.2 | 1.9 |
| ⑦ | 360 | .9  | 1.4 |
| ⑧ | 335 | 1.2 | 1.7 |
| ⑨ | 325 | 1.0 | 1.5 |
| ⑩ | 315 | 1.0 | 1.5 |

10.8V 9.8 A 1.1 n