

30-039-07872  
30-039-29404

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. 12 Twp 30 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 30-6 UNIT #70, #462

cps 159w

Elevation 6364w Completion Date 9/22/72 Total Depth 660' 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. 240'

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 580', 570', 560', 550', 520', 510', 425', 415', 380', 370', 360', 250'

Depths vent pipes placed: N/A

Vent pipe perforations: 375'

Remarks: gb #2. #1 & #2 ANODE DIDN'T RESPOND TO COKE.

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

G.B. No 2 - G.C.S.

Drilling Log (Attach Hereto). ☐

Completion Date 9-22-72

|                                      |                         |                                         |                                          |                         |                       |
|--------------------------------------|-------------------------|-----------------------------------------|------------------------------------------|-------------------------|-----------------------|
| Well Name<br><u>159.30-6 # 70</u>    |                         | Location<br><u>SW 12-30-#7</u>          |                                          | CPS No.<br><u>159 W</u> |                       |
| Type & Size Bit Used<br><u>6 3/4</u> |                         | Work Order No.<br><u>184-52667-50.2</u> |                                          |                         |                       |
| Anode Hole Depth<br><u>660</u>       | Total Drilling Rig Time | Total Lbs. Coke Used                    | Lost Circulation Mat'l Used              | No. Sacks Mud Used      |                       |
| Anode Depth                          |                         |                                         |                                          |                         |                       |
| # 1 <u>580</u>                       | # 2 <u>570</u>          | # 3 <u>560</u>                          | # 4 <u>550</u>                           | # 5 <u>520</u>          | # 6 <u>510</u>        |
| # 7 <u>425</u>                       | # 8 <u>415</u>          | # 9 <u>380</u>                          | # 10 <u>370</u>                          |                         |                       |
| Anode #1 <u>2.2</u> (Amps)           | # 2 <u>3.3</u>          | # 3 <u>3.6</u>                          | # 4 <u>3.6</u>                           | # 5 <u>4.0</u>          | # 6 <u>3.9</u>        |
| # 7 <u>3.1</u>                       | # 8 <u>3.6</u>          | # 9 <u>2.5</u>                          | # 10 <u>3.4</u>                          |                         |                       |
| # 1 <u>1.3</u>                       | # 2 <u>1.8</u>          | # 3 <u>2.6</u>                          | # 4 <u>2.6</u>                           | # 5 <u>3.1</u>          | # 6 <u>2.9</u>        |
| # 7 <u>3.1</u>                       | # 8 <u>3.1</u>          | # 9 <u>2.0</u>                          | # 10 <u>3.1</u>                          |                         |                       |
| Anode Depth                          |                         |                                         |                                          |                         |                       |
| # 11 <u>360</u>                      | # 12 <u>250</u>         | # 13                                    | # 14                                     | # 15                    | # 16                  |
| # 17                                 | # 18                    | # 19                                    | # 20                                     |                         |                       |
| Anode #11 <u>3.3</u> (Amps)          | # 12 <u>4.6</u>         |                                         |                                          |                         |                       |
| # 11 <u>2.9</u>                      | # 12 <u>3.3</u>         | # 13                                    | # 14                                     | # 15                    | # 16                  |
| # 17                                 | # 18                    | # 19                                    | # 20                                     |                         |                       |
| Total Circuit Resistance             | <u>15.0</u>             | <u>0.66</u>                             | No. <u>9-22-72</u> Used <u>12 Anodes</u> |                         | No. 2 C.P. Cable Used |
| Volts <u>11.3</u>                    | Amps <u>12.5</u>        | Ohms <u>0.9</u>                         | <u>9-22-72 - 10 Anodes</u>               |                         |                       |

Remarks: Driller said wet at 130-135 - Drill to 240, Blowed water out of Hole overnight, Drill 560 with air to 660 with Mud - Vent Perforated 375'

NOTE: No 1 & 2 Anode did not respond to Coke

Add # 11 & 12 - ~~Condensation~~  
Circuit Resistance top 10 Anodes only 9-22-72

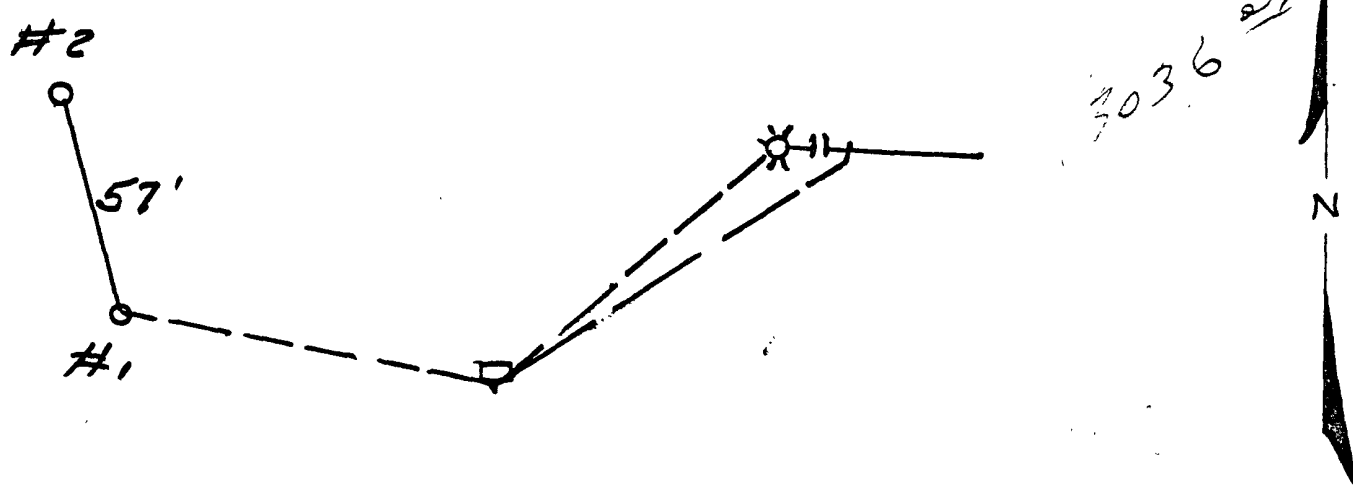
Pump 700 shovels Coke - To 6' of surface

All Construction Completed

NOTE:  
Top output Readings Taken 9-25-72  
Bottom Readings 9-22-72

GROUND BED LAYOUT SKETCH

Sarels  
(Signature)



DRILLING DEPARTMENT

## DAILY DRILLING REPORT

|                      |                    |                          |         |            |                  |              |
|----------------------|--------------------|--------------------------|---------|------------|------------------|--------------|
| LEASE <u>ST 30-6</u> | WELL NO. <u>20</u> | CONTRACTOR <u>Morgan</u> | RIG NO. | REPORT NO. | DATE <u>9-22</u> | 19 <u>72</u> |
| MORNING              |                    | DAYLIGHT                 |         | EVENING    |                  |              |

[illegible]

SIGNED: Toolpusher Paul Moran

\_\_\_\_\_  
Company Supervisor

9-22-72

159W -

Wet at 130-35  
Driller Said Wt 10/240  
Blew out of Hole - overnite

Vent Perf 875

Pump 700 Shovels

No 182 Anode Did not respond  
to coke add 11 1/2 -~~Condenser 182~~

| MW  | gals/mol              |
|-----|-----------------------|
| 16  | C <sub>1</sub> 6.4    |
| 30  | C <sub>2</sub> 9.56   |
| 44  | C <sub>3</sub> 10.42  |
| 58  | IC <sub>4</sub> 12.38 |
| 72  | NC <sub>4</sub> 11.93 |
| 86  | IC <sub>5</sub> 13.85 |
| 100 | NC <sub>5</sub> 13.71 |
| 114 | IC <sub>6</sub> 15.50 |
| 128 | C <sub>6</sub> 15.57  |
| 142 | IC <sub>7</sub> 17.2  |
| 156 | C <sub>7</sub> 17.46  |
| 170 | IC <sub>8</sub> 19.38 |
| 184 | C <sub>8</sub> 19.64  |
| 198 | IC <sub>9</sub> 21.47 |

| MW  | gals/mol              |
|-----|-----------------------|
| 16  | C <sub>1</sub> 6.4    |
| 30  | C <sub>2</sub> 9.56   |
| 44  | C <sub>3</sub> 10.42  |
| 58  | IC <sub>4</sub> 12.38 |
| 72  | NC <sub>4</sub> 11.93 |
| 86  | IC <sub>5</sub> 13.85 |
| 100 | NC <sub>5</sub> 13.71 |
| 114 | IC <sub>6</sub> 15.50 |
| 128 | C <sub>6</sub> 15.57  |
| 142 | IC <sub>7</sub> 17.2  |
| 156 | C <sub>7</sub> 17.46  |
| 170 | IC <sub>8</sub> 19.38 |
| 184 | C <sub>8</sub> 19.64  |
| 198 | IC <sub>9</sub> 21.47 |

|     |     |     |     |    |     |     |     |     |     |
|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|
| 330 | 6   | 10  | 2.1 |    |     |     |     |     |     |
|     | 5   |     | 2.0 |    |     |     |     |     |     |
| 40  | 8   | 20  | 2.3 |    |     |     |     |     |     |
|     | 9   |     | 1.2 |    |     |     |     |     |     |
| 50  | 9   | 30  | 1.0 |    |     |     |     |     |     |
|     | 1.3 |     | 1.2 |    |     |     |     |     |     |
| 60  | 1.5 | 40  | 1.3 |    |     |     |     |     |     |
|     | 2.0 |     | 1.2 |    |     |     |     |     |     |
| 70  | 2.0 | 50  | 1.5 |    |     |     |     |     |     |
|     | 1.6 |     | 1.7 |    |     |     |     |     |     |
| 80  | 1.5 | 60  | 2.0 |    |     |     |     |     |     |
|     | 1.0 |     | 1.9 |    |     |     |     |     |     |
| 90  | 7   | 70  | 2.0 | 1  | 580 | 1.5 | 1.3 | 1.3 | 2.2 |
|     | 7   |     | 1.7 | 2  | 570 | 2.0 | 1.8 | 1.8 | 3.3 |
| 400 | 7   | 80  | 1.5 | 3  | 560 | 2.0 | 1.7 | 2.6 | 3.6 |
|     | 9   |     | 8   | 4  | 550 | 1.5 | 1.5 | 2.6 | 3.6 |
| 10  | 1.5 | 90  | 6   | 5  | 520 | 2.3 | 1.9 | 3.1 | 4.0 |
|     | 2.3 |     | 8   | 6  | 510 | 2.1 | 1.8 | 2.9 | 3.9 |
| 20  | 2.3 | 600 | 9   | 7  | 425 | 2.2 | 2.0 | 3.1 | 3.1 |
|     | 2.2 |     | 7   | 8  | 415 | 2.3 | 1.9 | 3.1 | 3.6 |
| 30  | 9   | 10  | 7   | 9  | 380 | 1.5 | 1.3 | 2.0 | 2.5 |
|     | 8   |     | 8   | 10 | 370 | 2.0 | 1.9 | 3.1 | 3.4 |
| 40  | 1.2 | 20  | 9   | 11 | 360 | 1.2 | 1.2 | 2.9 | 3.3 |
|     | 8   |     | 1.0 | 12 | 250 | 1.2 | 1.2 | 3.3 | 4.6 |
| 50  | 7   | 30  | 1.3 |    |     |     |     |     |     |
|     | 7   |     | 1.2 |    |     |     |     |     |     |
| 60  | 6   | 40  | 1.2 |    |     |     |     |     |     |
|     | 8   |     | 1.0 |    |     |     |     |     |     |
| 70  | 1.2 | 50  | 1.0 |    |     |     |     |     |     |
|     | 1.6 |     | 1.0 |    |     |     |     |     |     |
| 80  | 8   | 60  |     |    |     |     |     |     |     |
|     | 1.0 |     |     |    |     |     |     |     |     |
| 90  | 1.0 |     |     |    |     |     |     |     |     |
|     | 1.0 |     |     |    |     |     |     |     |     |
| 500 | 1.0 |     |     |    |     |     |     |     |     |
|     | 1.8 |     |     |    |     |     |     |     |     |

9-25-72

9-22-72

Log WITE Coke

9.0

12.5 / 11.30V 12.5A = 0.9

11.25

9-22-72

9-25-72

10.0V 15.0A = 0.66