

1440

#4 30-045-25923

E

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

(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL INC. Location: Unit B Sec. 34 Twp 30 Rng 12Name of Well/Wells or Pipeline Serviced McGRATH #4

cps 5189w

Elevation 5749' Completion Date 4/28/85 Total Depth 258' Land Type\* N/ACasing, Sizes, Types & Depths 20'If Casing is cemented, show amounts & types used N/A

If Cement or Bentonite Plugs have been placed, show depths &amp; amounts used

N/A

Depths &amp; thickness of water zones with description of water when possible:

Fresh, Clear, Salty, Sulphur, Etc. N/ADepths gas encountered: N/AType & amount of coke breeze used: 1850 lbs.Depths anodes placed: 200', 190', 180', 170', 125', 105'Depths vent pipes placed: N/AVent pipe perforations: N/ARemarks: 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.

# CORROSION CONTROL CO.

P.O. DRAWER G - PHONE 334-6141  
AZTEC, NEW MEXICO 87410

Drilling Log (Attach Hereto). ☐

Completion Date April 10, 1955

|                                     |                |                         |                |                                            |                |                             |    |                                |     |                       |     |
|-------------------------------------|----------------|-------------------------|----------------|--------------------------------------------|----------------|-----------------------------|----|--------------------------------|-----|-----------------------|-----|
| Name<br><u>McGrath #4</u>           |                |                         |                | Location<br><u>MOULTONBAND ROYALTY CO.</u> |                |                             |    | <u>5189W</u>                   |     |                       |     |
| Type & Size Bit Used                |                |                         |                |                                            |                |                             |    | Work Order No.<br><u>46-12</u> |     |                       |     |
| Anode Hole Depth<br><u>255 feet</u> |                | Total Drilling Rig Time |                | Total Lbs. Coke Used<br><u>1850</u>        |                | Lost Circulation Mat'l Used |    | No. Sacks Mud Used             |     |                       |     |
| Anode Depth                         |                | Anode Output (Amps)     |                | Anode Depth                                |                | Anode Output (Amps)         |    | Total Circuit Resistance       |     | No. 8 C.P. Cable Used |     |
| #1 <u>200</u>                       | #2 <u>190</u>  | #3 <u>180</u>           | #4 <u>170</u>  | #5 <u>160</u>                              | #6 <u>105</u>  | #7                          | #8 | #9                             | #10 | #11                   | #12 |
| #1 <u>4.10</u>                      | #2 <u>4.41</u> | #3 <u>4.40</u>          | #4 <u>5.94</u> | #5 <u>1.70</u>                             | #6 <u>3.21</u> | #7                          | #8 | #9                             | #10 | #11                   | #12 |
| Total Circuit Resistance            |                | No. 8 C.P. Cable Used   |                | No. 2 C.P. Cable Used                      |                | Total Circuit Resistance    |    | No. 8 C.P. Cable Used          |     | No. 2 C.P. Cable Used |     |
| Volts <u>12.3</u>                   |                | Amps <u>11.4</u>        |                | Ohms <u>0.00</u>                           |                | 1030 feet                   |    |                                |     |                       |     |

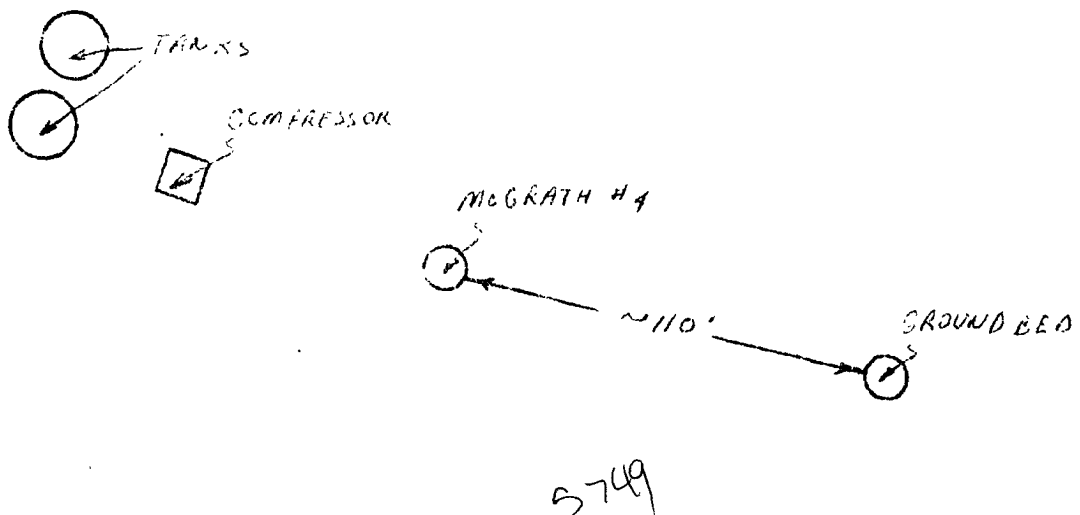
Remarks: Pipe/Soil Potentials (static) close -0.634V. remote -0.728V.

Casing is not insulated from the flow line.

All Construction Completed

Joseph L. Smith  
(Signature)

## GROUND BED LAYOUT SKETCH





5189W

# CORROSION CONTROL

P. O. BOX 179 — PHONE 334-6361

AZTEC, NEW MEXICO 87410

## DEEP WELL GROUND BED LOG

Date APRIL 26, 1985

Company SOUTHLAND ROYALTY COMPANY

Well No. 56-12 Location MCGRATH #4

Volts Applied 12.3 Amperes 19.4

|     |      |     |           | ANODE # | AMPS |     | AMPS - FINAL |
|-----|------|-----|-----------|---------|------|-----|--------------|
| 5   |      | 230 | 0.46      |         |      | 680 |              |
| 10  |      | 235 | 0.49      | 1       | 1.28 | 685 | 4.16         |
| 15  |      | 240 | 0.48      | 2       | 1.15 | 690 | 4.41         |
|     |      |     | 0.51      | 3       | 1.31 | 695 | 4.46         |
| 25  |      | 250 | 0.64      | 4       | 1.33 | 700 | 3.99         |
| 30  |      | 255 | 0.75      | 5       | 1.97 | 705 | 4.78         |
| 35  |      | 260 | T.D. 258" | 6       | 1.18 | 710 | 3.21         |
| 40  |      | 265 |           |         |      | 715 |              |
| 45  |      | 270 |           |         |      | 720 | 0.85 OHMS    |
| 50  |      | 275 |           | 500     |      | 725 |              |
| 55  |      | 280 |           |         |      | 730 |              |
| 60  |      | 285 |           |         |      | 735 |              |
| 65  |      | 290 |           |         |      | 740 |              |
| 70  |      | 295 |           |         |      | 745 |              |
| 75  |      | 300 |           | 525     |      | 750 |              |
| 80  |      | 305 |           |         |      | 755 |              |
| 85  | AMPS | 310 | ANODE #   |         |      | 760 |              |
| 90  |      | 315 |           |         |      | 765 |              |
| 95  | 1.03 | 320 |           |         |      | 770 |              |
| 100 | 0.99 | 325 |           | 550     |      | 775 |              |
| 105 | 0.99 | 330 | X 6       |         |      | 780 |              |
| 110 | 0.59 | 335 |           |         |      | 785 |              |
| 115 | 0.46 | 340 |           |         |      | 790 |              |
| 120 | 0.48 | 345 |           |         |      | 795 |              |
| 125 | 1.13 | 350 | X 5       | 575     |      | 800 |              |
| 130 | 1.08 | 355 |           |         |      | 805 |              |
| 135 | 0.71 | 360 |           |         |      | 810 |              |
| 140 | 0.51 | 365 |           |         |      | 815 |              |
| 145 | 0.47 | 370 |           |         |      | 820 |              |
| 150 | 0.59 | 375 |           | 600     |      | 825 |              |
| 155 | 0.65 | 380 |           |         |      | 830 |              |
| 160 | 0.61 | 385 |           |         |      | 835 |              |
| 165 | 0.61 | 390 |           |         |      | 840 |              |
| 170 | 0.90 | 395 | X 4       |         |      | 845 |              |
| 175 | 0.85 | 400 |           | 625     |      | 850 |              |
| 180 | 1.02 | 405 | X 3       |         |      | 855 |              |
| 185 | 1.12 | 410 |           |         |      | 860 |              |
| 190 | 1.09 | 415 | X 2       |         |      | 865 |              |
| 195 | 1.08 | 420 |           |         |      | 870 |              |
| 200 | 1.05 | 425 | X 1       | 650     |      | 875 |              |
| 205 | 0.86 | 430 |           |         |      | 880 |              |
| 210 | 0.68 | 435 |           |         |      | 885 |              |
| 215 | 0.54 | 440 |           |         |      | 890 |              |
| 220 | 0.65 | 445 |           |         |      | 895 |              |
| 225 | 0.56 | 450 |           | 675     |      | 900 |              |