

1199

E

30-039-23836

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

Operator MERIDIAN OIL Location: Unit 0 Sec. 16 Twp 28 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-5 UNIT #84E

cps 1889w

Elevation 6575' Completion Date 6/22/87 Total Depth 400' 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. 70' SAMPLE TAKEN

RECEIVED  
MAY 31 1991

Depths gas encountered: N/A

OIL CON. DIV.  
DIST. 3

Type & amount of coke breeze used: N/A

Depths anodes placed: 370', 360', 350', 340', 325', 315', 305', 295', 270', 260', 250'

Depths vent pipes placed: 384'

Vent pipe perforations: 320'

Remarks: gb #1 #1 & #4 ANODE DID NOT GET COKE AROUND THEM. #11 & #12 INSTALLED.

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.

CATHODIC PROTECTION CONSTRUCTION REPORT  
DAILY LOGDrilling Log (Attach Hereto) ☐

Completion Date 6-22-87

1889W  
1896-0

Well Name: Line or Plant: 18-5 #84 E

Work Order #: A 6737

Status: 82 NE

Ins. (Under Cable) ☒ Cross ☐ Back

Location: 0-16-28-5

Anode Size: 2 x 60

Anode Type: Duriron

Size: 6 3/4

Depth Drilled: 400

Depth Logged: 384

Drilling Rig Time: 490.0

Total/Lbs. Coke Used

Last Circulation Mat Used

No. Sigsbee Meters

|                          |            |         |        |        |                       |           |        |        |        |         |         |  |  |  |  |
|--------------------------|------------|---------|--------|--------|-----------------------|-----------|--------|--------|--------|---------|---------|--|--|--|--|
| Anode Depth              | #1 320     | #2 360  | #3 350 | #4 340 | #5 325                | #6 315    | #7 305 | #8 295 | #9 270 | #10 260 |         |  |  |  |  |
| Anode Output (Amps)      | #1 2.4     | #2 3.9  | #3 2.3 | #4 1.6 | #5 3.4                | #6 3.0    | #7 3.6 | #8 3.1 | #9 3.8 | #10 4.3 |         |  |  |  |  |
| Anode Depth              | #11 250    | #12 175 | #13    | #14    | #15                   | #16       | #17    | #18    | #19    | #20     |         |  |  |  |  |
| Anode Output (Amps)      | #11 3.9    | #12 5.3 | #13    | #14    | #15                   | #16       | #17    | #18    | #19    | #20     |         |  |  |  |  |
| Total Circuit Resistance | Volts 12.2 |         |        |        |                       | Amps 18.1 |        |        |        |         | Ohms .7 |  |  |  |  |
| No. 8 C.P. Cable Used    |            |         |        |        | No. 2 C.P. Cable Used |           |        |        |        |         |         |  |  |  |  |

Remarks: Water at 20', installed 384' of 1" P.V.C. vent pipe, Perforated 320'. #1 & #4 Anodes did not get coke breeze around them, we installed #11 & #12 to get 10 Anodes covered with coke. Drilled 400', logged 384'.

Rectifier Size: 40 V 16 V 250.00  
 Add'l Depth: 4300.00  
 Depth Credit: 116' 464.00  
 Extra Cable: 112' 28.00  
 Ditch & 1 Cable: 3836.00 GB  
 Ditch & 2 Cable: 212' 110.24  
 25' Meter Pole: 1 8305.00  
 20' Meter Pole: 1  
 10' Stub Pole: 1  
 Junction Box: 1 840.00

All Construction Completed

L. E. & J. S.  
 Signature

5069.24  
 TAX 253.46  
 TOTAL 5322.70





$$LE + JI$$

AZTEC NEW MEXICO 87410

Date 6-27-87

**Апрель 18**

|     |         |  |  |  |  |     |           |  |  |  |  |     |  |  |  |  |     |               |
|-----|---------|--|--|--|--|-----|-----------|--|--|--|--|-----|--|--|--|--|-----|---------------|
| 5   |         |  |  |  |  | 230 | 1.7       |  |  |  |  | 455 |  |  |  |  | 680 | 1.5 1.5 1.5   |
| 10  |         |  |  |  |  | 235 | 1.7       |  |  |  |  | 460 |  |  |  |  | 685 | 1.5 1.5 1.5   |
| 15  |         |  |  |  |  | 240 | 1.1       |  |  |  |  | 465 |  |  |  |  | 690 | 1.5 1.5 1.5   |
| 20  |         |  |  |  |  | 245 | 1.3       |  |  |  |  | 470 |  |  |  |  | 695 | 1.5 1.5 1.5   |
| 25  |         |  |  |  |  | 250 | 1.7 - ⑩   |  |  |  |  | 475 |  |  |  |  | 700 | 1.5 1.5 1.5   |
| 30  |         |  |  |  |  | 255 | 1.9       |  |  |  |  | 480 |  |  |  |  | 705 | 1.5 1.5 1.5   |
| 35  |         |  |  |  |  | 260 | 1.5 - ⑩   |  |  |  |  | 485 |  |  |  |  | 710 | 1.5 1.5 1.5   |
| 40  |         |  |  |  |  | 265 | 1.4       |  |  |  |  | 490 |  |  |  |  | 715 | 1.5 1.5 1.5   |
| 45  |         |  |  |  |  | 270 | 1.5 - ⑨   |  |  |  |  | 495 |  |  |  |  | 720 | 1.5 1.5 1.5   |
| 50  |         |  |  |  |  | 275 | 1.9       |  |  |  |  | 500 |  |  |  |  | 725 | 1.5 1.5 1.5   |
| 55  |         |  |  |  |  | 280 | 1.6       |  |  |  |  | 505 |  |  |  |  | 730 | 1.5 1.5 1.5   |
| 60  |         |  |  |  |  | 285 | 1.5       |  |  |  |  | 510 |  |  |  |  | 735 | 1.5 1.5 1.5   |
| 65  |         |  |  |  |  | 290 | 1.0       |  |  |  |  | 515 |  |  |  |  | 740 | 1.5 1.5 1.5   |
| 70  | 1.5     |  |  |  |  | 295 | 1.5 - ⑩   |  |  |  |  | 520 |  |  |  |  | 745 | 1.5 1.5 1.5   |
| 75  | 1.3     |  |  |  |  | 300 | 1.6       |  |  |  |  | 525 |  |  |  |  | 750 | 1.5 1.5 1.5   |
| 80  | 1.2     |  |  |  |  | 305 | 1.0 - ⑩   |  |  |  |  | 530 |  |  |  |  | 755 | 1.5 1.5 1.5   |
| 85  | 1.1     |  |  |  |  | 310 | 1.1       |  |  |  |  | 535 |  |  |  |  | 760 | 1.5 1.5 1.5   |
| 90  | 1.2     |  |  |  |  | 315 | 1.9 - ⑩   |  |  |  |  | 540 |  |  |  |  | 765 | 1.5 1.5 1.5   |
| 95  | 1.5     |  |  |  |  | 320 | 1.6       |  |  |  |  | 545 |  |  |  |  | 770 | 1.5 1.5 1.5   |
| 100 | 1.6     |  |  |  |  | 325 | 1.4 - ⑩   |  |  |  |  | 550 |  |  |  |  | 775 | 1.5 1.5 1.5   |
| 105 | 1.5     |  |  |  |  | 330 | 1.3       |  |  |  |  | 555 |  |  |  |  | 780 | 1.5 1.5 1.5   |
| 110 | 1.3     |  |  |  |  | 335 | 1.2       |  |  |  |  | 560 |  |  |  |  | 785 | 1.5 1.5 1.5   |
| 115 | 1.3     |  |  |  |  | 340 | 1.3 - ⑩   |  |  |  |  | 565 |  |  |  |  | 790 | 1.5 1.5 1.5   |
| 120 | 1.2     |  |  |  |  | 345 | 1.4       |  |  |  |  | 570 |  |  |  |  | 795 | 1.5 1.5 1.5   |
| 125 | 1.8     |  |  |  |  | 350 | 1.5 - ⑩   |  |  |  |  | 575 |  |  |  |  | 800 | 1.5 1.5 1.5   |
| 130 | 1.7     |  |  |  |  | 355 | 1.0       |  |  |  |  | 580 |  |  |  |  | 805 | 1.5 1.5 1.5   |
| 135 | 1.6     |  |  |  |  | 360 | 1.4 - ⑩   |  |  |  |  | 585 |  |  |  |  | 810 | 1.5 1.5 1.5   |
| 140 | 1.4     |  |  |  |  | 365 | 1.5       |  |  |  |  | 590 |  |  |  |  | 815 | 1.5 1.5 1.5   |
| 145 | 1.3     |  |  |  |  | 370 | 1.6 - ⑩   |  |  |  |  | 595 |  |  |  |  | 820 | 1.5 1.5 1.5   |
| 150 | 1.6     |  |  |  |  | 375 | 1.6       |  |  |  |  | 600 |  |  |  |  | 825 | ⑩ 2.0 2.8 2.5 |
| 155 | 1.2     |  |  |  |  | 380 | 1.5       |  |  |  |  | 605 |  |  |  |  | 830 | ⑩ 2.0 2.4 2.5 |
| 160 | 1.2     |  |  |  |  | 385 | 3.8 4.7 ⑩ |  |  |  |  | 610 |  |  |  |  | 835 | ⑩ 2.5 1.7 2.3 |
| 165 | 1.2     |  |  |  |  | 390 |           |  |  |  |  | 615 |  |  |  |  | 840 | ⑩ 2.0 1.7 1.6 |
| 170 | 1.3     |  |  |  |  | 395 |           |  |  |  |  | 620 |  |  |  |  | 845 | ⑩ 2.5 2.0 3.4 |
| 175 | 1.4 - ⑩ |  |  |  |  | 400 |           |  |  |  |  | 625 |  |  |  |  | 850 | ⑩ 2.0 1.7 2.0 |
| 180 | 1.3     |  |  |  |  | 405 |           |  |  |  |  | 630 |  |  |  |  | 855 | ⑩ 2.5 2.3 3.6 |
| 185 | 1.0     |  |  |  |  | 410 |           |  |  |  |  | 635 |  |  |  |  | 860 | ⑩ 2.9 1.7 2.1 |
| 190 | 1.3     |  |  |  |  | 415 |           |  |  |  |  | 640 |  |  |  |  | 865 | ⑩ 2.0 1.7 2.8 |
| 195 | 1.3     |  |  |  |  | 420 |           |  |  |  |  | 645 |  |  |  |  | 870 | ⑩ 2.5 2.1 2.7 |
| 200 | 1.2     |  |  |  |  | 425 |           |  |  |  |  | 650 |  |  |  |  | 875 | ⑩ 2.5 1.7 3.9 |
| 205 | 1.2     |  |  |  |  | 430 |           |  |  |  |  | 655 |  |  |  |  | 880 | ⑩ 1.5 2.3 5.3 |
| 210 | 1.2     |  |  |  |  | 435 |           |  |  |  |  | 660 |  |  |  |  | 885 |               |
| 215 | 1.2     |  |  |  |  | 440 |           |  |  |  |  | 665 |  |  |  |  | 890 |               |
| 220 | 1.5     |  |  |  |  | 445 |           |  |  |  |  | 670 |  |  |  |  | 895 |               |
| 225 | 1.4     |  |  |  |  | 450 |           |  |  |  |  | 675 |  |  |  |  | 900 |               |

**P.O. BOX 1359 - PHONE 334-6141  
AZTEC, NEW MEXICO 87410**

QPS 1889 W

**DAILY DRILLING REPORT** June 22

1987

|                   |                     |                   |                  |               |
|-------------------|---------------------|-------------------|------------------|---------------|
| <b>WELL NAME:</b> | <b>WELL NUMBER:</b> | <b>SECTION:</b>   | <b>TOWNSHIP:</b> | <b>RANGE:</b> |
| San Juan 28-5     | #84E                | 16                | 28               | 5             |
| <b>WATER AT:</b>  |                     | <b>HOLE MADE:</b> |                  |               |
| 70'               |                     | 400' TD 384'      |                  |               |

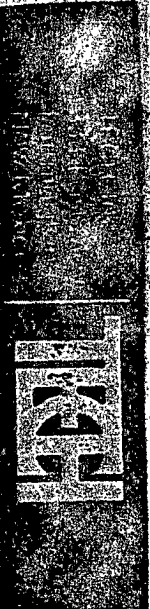
[illegible]

REMARKS:

Brian E. Burge

## Driller

## Tool Dresser



CDS

(18842)

## API WATER ANALYSIS REPORT FORM

|  |                 |                   |           |                  |           |           |        |            |  |
|--|-----------------|-------------------|-----------|------------------|-----------|-----------|--------|------------|--|
| Company                                | Mentian Oil Co. | Sample No.        |           | Date Sampled     | 6-22-87   |           |        |            |  |
| Field                                  |                 | Legal Description | 0-16-28-5 | County or Parish | Polkville | State     | N.M.   |            |  |
| Lease or Unit                          | Well            | 28-5              | 484E      | Depth            | 70'       | Formation | Dakota | Water, B/D |  |
| Type of Water (Produced, Supply, etc.) |                 | Sampling Point    | G.B.      | Sampled By       | J. Evans  |           |        |            |  |

## DISSOLVED SOLIDS

## CATIONS

Sodium, Na (calc.)  
Calcium, Ca  
Magnesium, Mg  
Barium, Ba

mg/l

me/l

230

11.4

## ANIONS

Chloride, Cl  
Sulfate, SO<sub>4</sub>  
Carbonate, CO<sub>3</sub>  
Bicarbonate, HCO<sub>3</sub>

27.6

.9

2.12

4.3

4.7

1.6

300

4.9

Total Dissolved Solids (calc.)

610

Iron, Fe (total)  
Sulfide, as H<sub>2</sub>S

0

0

## OTHER PROPERTIES

pH  
Specific Gravity, 60/60 F.  
Resistivity (ohm-meters)

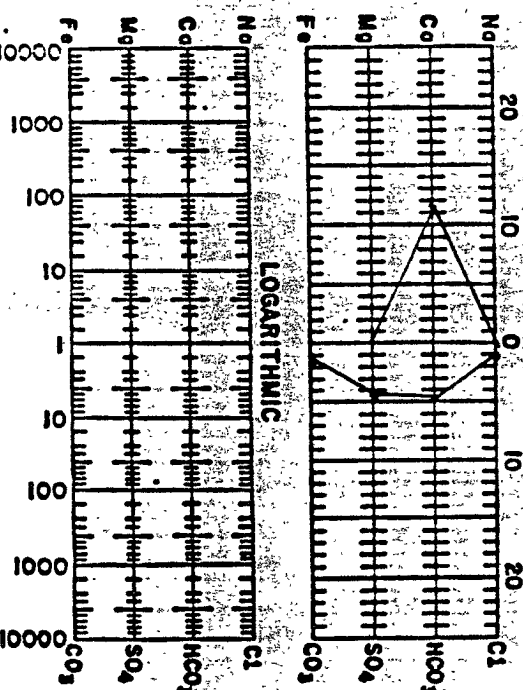
8.85  
1.0017  
1.3 x 10<sup>5</sup>

conductivity

1.7 x 10<sup>6</sup> μmho

WATER PATTERNS — me/l

STANDARD



## REMARKS &amp; RECOMMENDATIONS:

Sample had a considerable amount of  
difficultly filterable suspended clay.