

30-045-09664

30-045-27055

## CPS GROUND BED CONSTRUCTION WORKSHEET

|       |                            |       |      |        |         |               |
|-------|----------------------------|-------|------|--------|---------|---------------|
| CPS#  | P/L NAME(S), NUMBER(S)     |       |      |        |         |               |
| 368-W | GRAMBLING C#4 & C Conn 201 |       |      |        |         |               |
| WO #  | TOTAL                      | VOLTS | AMPS | - OHMS | DATE    | NAME          |
| 5762  |                            | 12.01 | 18.5 | .649   | 4/21/93 | DENNIS TORRES |

## REMARKS (notes for construction log)

4/19/93 Set 99' of 8" PVC casing connected with 20 sacks, no gas, water on. boulders during drilling. Drilled 480' logged 468'. Water at 200', caught sample, 465' 1" ISDRH drill pipe perforated before 290'. Loaded with 54 bags torresco coke and 24 bags of ASBURY coke. No gas

| DEPTH | LOG   | ANODE | DEPTH | LOG   | ANODE | DEPTH | LOG   | ANODE | DEPTH | LOG   | ANODE |        |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|       | ANODE | *     |       | ANODE | *     |       | ANODE | *     |       | ANODE | *     |        |
| 100   |       |       | 295   | 1.1   |       | 490   |       |       | 685   |       |       |        |
| 105   |       |       | 300   | 1.2   | 15    | 495   |       |       | 690   |       |       |        |
| 110   |       |       | 305   | 1.2   |       | 500   |       |       | 695   |       |       |        |
| 115   |       |       | 310   | 1.4   | 14    | 505   |       |       | 700   |       |       |        |
| 120   |       |       | 315   | 1.2   |       | 510   |       |       | ANODE | DEPTH | NO    | FULLY  |
| 125   |       |       | 320   | 1.4   | 13    | 515   |       |       | *     |       | COKE  | COKE D |
| 130   |       |       | 325   | 1.5   | 12    | 520   |       |       | 1     | 430   | 1.5   | 4.5    |
| 135   |       |       | 330   | 1.1   |       | 525   |       |       | 2     | 424   | 1.6   | 5.4    |
| 140   |       |       | 335   | .9    |       | 530   |       |       | 3     | 418   | 1.7   | 5.7    |
| 145   |       |       | 340   | .3    |       | 535   |       |       | 4     | 410   | 1.7   | 5.5    |
| 150   |       |       | 345   | .3    |       | 540   |       |       | 5     | 404   | 1.4   | 5.1    |
| 155   |       |       | 350   | 1.0   |       | 545   |       |       | 6     | 390   | 1.5   | 4.8    |
| 160   |       |       | 355   | 1.9   | 11    | 550   |       |       | 7     | 380   | 1.7   | 4.7    |
| 165   |       |       | 360   | 1.8   | 10    | 555   |       |       | 8     | 374   | 1.6   | 4.7    |
| 170   |       |       | 365   | 1.7   |       | 560   |       |       | 9     | 368   | 1.8   | 5.2    |
| 175   |       |       | 370   | 1.8   | 9     | 565   |       |       | 10    | 360   | 1.8   | 5.1    |
| 180   |       |       | 375   | 1.6   | 8     | 570   |       |       | 11    | 352   | 1.4   | 5.6    |
| 185   | .1    |       | 380   | 1.7   | 7     | 575   |       |       | 12    | 325   | 1.5   | 4.1    |
| 190   | .4    |       | 385   | 1.4   |       | 580   |       |       | 13    | 319   | 1.4   | 4.5    |
| 195   | 1.0   |       | 390   | 1.5   | 6     | 585   |       |       | 14    | 310   | 1.4   | 4.5    |
| 200   | 1.0   |       | 395   | 1.4   |       | 590   |       |       | 15    | 300   | 1.2   | 4.1    |
| 205   | .7    |       | 400   | 1.3   |       | 595   |       |       | 16    |       |       |        |
| 210   | .4    |       | 405   | 1.4   | 5     | 600   |       |       | 17    |       |       |        |
| 215   | .3    |       | 410   | 1.7   | 4     | 605   |       |       | 18    |       |       |        |
| 220   | .3    |       | 415   | 1.5   |       | 610   |       |       | 19    |       |       |        |
| 225   | .4    |       | 420   | 1.7   | 3     | 615   |       |       | 20    |       |       |        |
| 230   | .3    |       | 425   | 1.6   | 2     | 620   |       |       | 21    |       |       |        |
| 235   | .3    |       | 430   | 1.5   | 1     | 625   |       |       | 22    |       |       |        |
| 240   | .4    |       | 435   | 1.0   |       | 630   |       |       | 23    |       |       |        |
| 245   | .3    |       | 440   | 1.0   |       | 635   |       |       | 24    |       |       |        |
| 250   | .3    |       | 445   | 1.0   |       | 640   |       |       | 25    |       |       |        |
| 255   | .4    |       | 450   | 1.0   |       | 645   |       |       | 26    |       |       |        |
| 260   | .4    |       | 455   | 1.0   |       | 650   |       |       | 27    |       |       |        |
| 265   | .4    |       | 460   | .4    |       | 655   |       |       | 28    |       |       |        |
| 270   | .4    |       | 465   | .9    |       | 660   |       |       | 29    |       |       |        |
| 275   | .4    |       | 470   | 468   |       | 665   |       |       | 30    |       |       |        |
| 280   | .4    |       | 475   |       |       | 670   |       |       |       |       |       |        |
| 285   | .4    |       | 480   |       |       | 675   |       |       |       |       |       |        |
| 290   | 1.1   |       | 485   |       |       | 680   |       |       |       |       |       |        |

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OIL CON. DIV.

INST. 3

DISTRIBUTION - original - permanent CPS FILE

copy - Division Corrosion Supervisor  
 copy - Region Corrosion Specialist

# API WATER ANALYSIS REPORT FORM

Laboratory No. 25-930520-2E

|                                        |  |                                 |  |                             |  |
|----------------------------------------|--|---------------------------------|--|-----------------------------|--|
| Company<br>Meridian Oil                |  | Sample No                       |  | Date Sampled<br>4-21-93     |  |
| Field<br>368 W                         |  | Legal Description<br>L 12 30 10 |  | County or Parish<br>State   |  |
| Lease or Unit                          |  | Well<br>Grabbling C-4           |  | Depth                       |  |
| Type of Water (Produced, Supply, etc.) |  | Sampling Point                  |  | Water, B/D                  |  |
|                                        |  |                                 |  | Sampled By<br>Dennis Tolren |  |

## DISSOLVED SOLIDS

| CATIONS            | mg/l | me/l |
|--------------------|------|------|
| Sodium, Na (calc.) | 370  | 16   |
| Calcium, Ca        | 250  | 32.5 |
| Magnesium, Mg      | 160  | 13.5 |
| Barium, Ba         |      |      |

## OTHER PROPERTIES

|                                |        |
|--------------------------------|--------|
| pH                             | 7.36   |
| Specific Gravity, 60/60 F.     | 1.0073 |
| Resistivity (ohm-meters) 76 F. | 2.9    |

Total Dissolved Solids (calc)

4.200

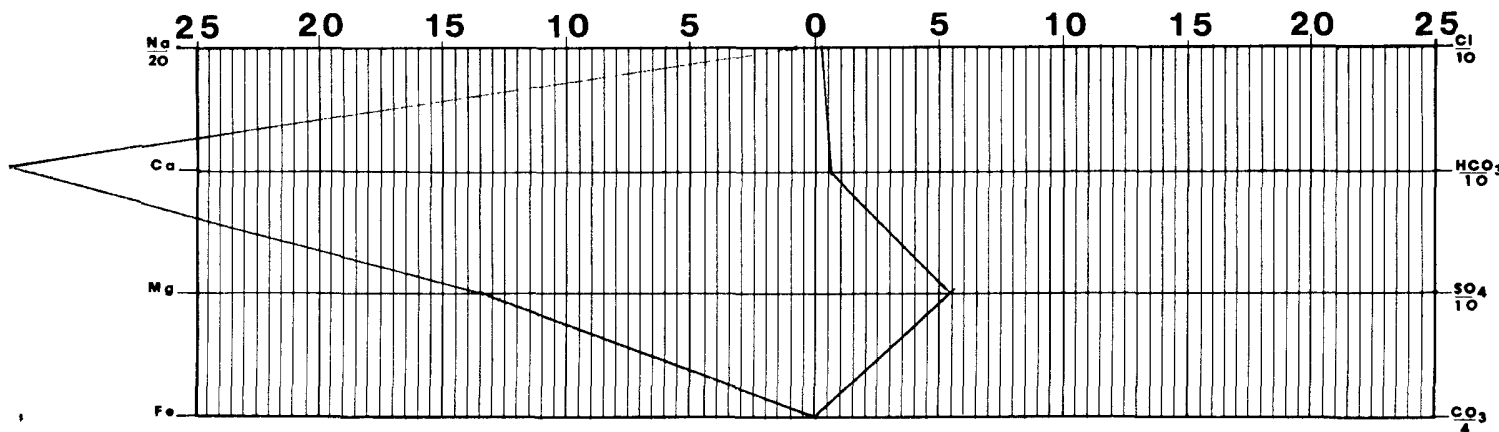
## ANIONS

|                      |      |     |
|----------------------|------|-----|
| Chloride, Cl         | 32   | 2.3 |
| Sulfate, $SO_4$      | 2620 | 54  |
| Carbonate, $CO_3$    | -    | -   |
| Bicarbonate, $HCO_3$ | 350  | 6.7 |

Iron, Fe (total)

Sulfide, as  $H_2S$

REMARKS & RECOMMENDATIONS:



|                                 |           |                                 |                     |
|---------------------------------|-----------|---------------------------------|---------------------|
| Date Received<br>Mar 20th, 1993 | Preserved | Date Analyzed<br>June 2nd, 1993 | Analyzed By<br>R.H. |
|---------------------------------|-----------|---------------------------------|---------------------|



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