

YIELD AND DRAWDOWN TEST REPORT

AAFB MW-8A

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Date: 3/23/2010

| TIME (actual) | Time Since Pumping Start/Stop (min) | Water Level Reading (ft) | Drawdown/ Recovery (ft) | Pumping Rate (gpm) | Conducti- vity (μ S) | Chloride (mg/l) | Remarks |
|---------------------------------|--|-----------------------------------|-------------------------------|--------------------------|---------------------------------|--------------------|----------------------|
| 4-hr. Step-Drawdown Test | | | | | | | |
| 9:00AM | 0 | 354.04 | | | 627 | 50.4 | Sample # 1 |
| | 1 | 354.11 | 0.07 | | | | Adjust gate valve to |
| | 2 | 354.10 | 0.06 | | | | 250 GPM |
| | 3 | 354.07 | 0.03 | 250 | | | |
| | 4 | 354.06 | 0.02 | 250 | | | |
| | 5 | 354.06 | 0.02 | 250 | | | |
| | 6 | 354.07 | 0.03 | 250 | | | |
| | 7 | 354.07 | 0.03 | 250 | | | |
| | 8 | 354.07 | 0.03 | 250 | | | |
| | 9 | 354.07 | 0.03 | 250 | | | |
| | 10 | 354.07 | 0.03 | 250 | | | |
| | 15 | 354.07 | 0.03 | 250 | | | |
| | 20 | 354.07 | 0.03 | 250 | | | |
| | 25 | 354.07 | 0.03 | 250 | | | |
| | 30 | 354.07 | 0.03 | 250 | | | |
| | 35 | 354.07 | 0.03 | 250 | | | |
| | 40 | 354.07 | 0.03 | 250 | | | |
| | 45 | 354.07 | 0.03 | 250 | | | |
| | 50 | 354.07 | 0.03 | 250 | | | |
| | 55 | 354.07 | 0.03 | 250 | | | |
| 10:00AM | 1 HR | 354.07 | 0.03 | 250 | 626 | 48.9 | Sample # 2 |
| | 1 | 354.08 | 0.04 | 300 | | | Adjust gate valve to |
| | 2 | 354.08 | 0.04 | 300 | | | 300 GPM |
| | 3 | 354.08 | 0.04 | 300 | | | |
| | 4 | 354.08 | 0.04 | 300 | | | |
| | 5 | 354.08 | 0.04 | 300 | | | |
| | 6 | 354.08 | 0.04 | 300 | | | |
| | 7 | 354.08 | 0.04 | 300 | | | |
| | 8 | 354.08 | 0.04 | 300 | | | |
| | 9 | 354.08 | 0.04 | 300 | | | |
| | 10 | 354.08 | 0.04 | 300 | | | |
| | 15 | 354.08 | 0.04 | 300 | | | |
| | 20 | 354.08 | 0.04 | 300 | | | |
| | 25 | 354.08 | 0.04 | 300 | | | |
| | 30 | 354.08 | 0.04 | 300 | | | |
| | 35 | 354.08 | 0.04 | 300 | | | |
| | 40 | 354.08 | 0.04 | 300 | | | |
| | 45 | 354.08 | 0.04 | 300 | | | |
| | 50 | 354.08 | 0.04 | 300 | | | |
| | 55 | 354.08 | 0.04 | 300 | | | |
| 11:00AM | 2 HR | 354.08 | 0.04 | 300 | 618 | 48.8 | Sample # 3 |
| | 1 | 354.08 | 0.04 | 300 | | | Adjust gate valve to |
| | 2 | 354.09 | 0.05 | 350 | | | 350 GPM |

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File:

| TIME (actual) | Time Since Pumping Start/Stop (min) | Water Level Reading (ft) | Drawdown/ Recovery (ft) | Pumping Rate (gpm) | Conducti- vity (μ S) | Chloride (mg/l) | Remarks |
|------------------------|--|-----------------------------------|-------------------------------|--------------------------|---------------------------------|--------------------|------------|
| RECOVERY | | | | | | | |
| 1:00PM | 0 | | | | | | |
| | 1 | | 354.00 | | | | |
| | 2 | | 354.00 | | | | |
| | 3 | | 354.00 | | | | |
| | 4 | | 354.00 | | | | |
| | 5 | | 354.00 | | | | |
| | 6 | | 354.00 | | | | |
| | 7 | | 354.00 | | | | |
| | 8 | | 354.00 | | | | |
| | 9 | | 354.00 | | | | |
| | 10 | | 354.00 | | | | |
| | 15 | | 354.00 | | | | |
| | 20 | | 354.00 | | | | |
| | 25 | | 354.00 | | | | |
| 1:30PM | 30 | | 354.00 | | | | |
| | 35 | | | | | | |
| | 40 | | | | | | |
| | 45 | | | | | | |
| | 50 | | | | | | |
| | 55 | | | | | | |
| | 60 | | | | | | |
| Start 24-hr. Pump Test | | | | | | | |
| 1:30PM | 0 | 354.11 | 0.07 | 410 | 611 | 49.8 | Sample # 5 |
| | 1 | 354.11 | 0.07 | 410 | | | |
| | 2 | 354.11 | 0.07 | 410 | | | |
| | 3 | 354.11 | 0.07 | 410 | | | |
| | 4 | 354.11 | 0.07 | 410 | | | |
| | 5 | 354.11 | 0.07 | 410 | | | |
| | 6 | 354.11 | 0.07 | 410 | | | |
| | 7 | 354.11 | 0.07 | 410 | | | |
| | 8 | 354.11 | 0.07 | 410 | | | |
| | 9 | 354.11 | 0.07 | 410 | | | |
| | 10 | 354.11 | 0.07 | 410 | | | |
| | 15 | 354.11 | 0.07 | 410 | | | |
| | 20 | 354.11 | 0.07 | 410 | | | |
| | 25 | 354.11 | 0.07 | 410 | | | |
| 2:00PM | 30 | 354.11 | 0.07 | 410 | | | |
| | 35 | 354.11 | 0.07 | 410 | | | |
| | 40 | 354.11 | 0.07 | 410 | | | |
| | 45 | 354.11 | 0.07 | 410 | | | |

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File:

| TIME (actual) | Time Since Pumping Start/Stop (min) | Water Level Reading (ft) | Drawdown/ Recovery (ft) | Pumping Rate (gpm) | Conducti- vity (μ S) | Chloride (mg/l) | Remarks |
|------------------|--|-----------------------------------|-------------------------------|--------------------------|---------------------------------|--------------------|----------------------|
| | 50 | 354.11 | 0.07 | 410 | | | |
| | 55 | 354.11 | 0.07 | 410 | | | |
| 2:30PM | 60 | 354.11 | 0.07 | 410 | 609 | 50.0 | Sample # 6 |
| | 90 | 354.11 | 0.07 | 410 | | | |
| 3:30PM | 120 | 354.10 | 0.06 | 410 | 619 | 51.5 | Sample # 7 |
| | 150 | 354.10 | 0.06 | 410 | | | |
| 4:30PM | 180 | 354.10 | 0.06 | 410 | 613 | 50.5 | Sample # 8 |
| | 210 | 354.10 | 0.06 | 410 | | | |
| 5:30PM | 240 | 354.09 | 0.05 | 410 | 619 | 50.2 | Sample # 9 |
| | 270 | 354.09 | 0.05 | 410 | | | |
| 6:30PM | 300 | 354.09 | 0.05 | 410 | 604 | 49.4 | Sample # 10 |
| | 330 | 354.09 | 0.05 | 410 | | | |
| 7:30PM | 360 | 354.09 | 0.05 | 410 | 607 | 49.7 | Sample # 11 |
| | 390 | 354.09 | 0.05 | 410 | | | |
| 8:30PM | 420 | 354.09 | 0.05 | 410 | 620 | 51.9 | Sample # 12 |
| | 450 | 354.10 | 0.06 | 410 | | | |
| 9:30PM | 480 | 354.10 | 0.06 | 410 | 624 | 51.3 | Sample # 13 |
| | 510 | 354.10 | 0.06 | 410 | | | |
| 10:30PM | 540 | 354.11 | 0.07 | 410 | 627 | 52.7 | Sample # 14 |
| | 570 | 354.11 | 0.07 | 410 | | | |
| 11:30PM | 600 | 354.11 | 0.07 | 410 | 609 | 52.4 | Sample # 15 |
| | 630 | 354.11 | 0.07 | 410 | | | |
| 12:30AM | 660 | 354.12 | 0.08 | 410 | 610 | 53.5 | Sample # 16 |
| | 690 | 354.12 | 0.08 | 410 | | | |
| 1:30AM | 720 | 354.12 | 0.08 | 410 | 635 | 53.5 | Sample # 17 |
| | 750 | 354.12 | 0.08 | 410 | | | |
| 2:30AM | 780 | 354.13 | 0.09 | 410 | | | |
| | 810 | 354.13 | 0.09 | 410 | | | |
| 3:30AM | 840 | 354.12 | 0.08 | 410 | 631 | 53.4 | Sample # 18 |
| | 870 | 354.16 | 0.12 | 410 | | | |
| 4:30AM | 900 | 354.16 | 0.12 | 410 | | | |
| | 930 | 354.16 | 0.12 | 410 | | | |
| 5:30AM | 960 | 354.16 | 0.12 | 410 | 614 | 48.4 | Sample # 19 |
| | 990 | 354.16 | 0.12 | 410 | | | |
| 6:30AM | 1020 | 354.16 | 0.12 | 410 | | | |
| | 1050 | 354.16 | 0.12 | 410 | | | |
| 7:30AM | 1080 | 354.16 | 0.12 | 410 | 613 | 48.6 | Sample # 20 |
| | 1110 | 354.16 | 0.12 | 410 | | | |
| 8:30AM | 1140 | 354.16 | 0.12 | 410 | | | |
| | 1170 | 354.16 | 0.12 | 410 | | | |
| 9:30AM | 1200 | 354.21 | 0.17 | 420 | 622 | 52.0 | Sample # 21 |
| | 1230 | 354.29 | 0.25 | 420 | | | Experienced problems |
| 10:30AM | 1260 | 354.29 | 0.25 | 420 | | | on power source. |
| | 1290 | 354.33 | 0.29 | 420 | | | Unstable |



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Water and Environmental Research Institute
of the Western Pacific

March 31, 2010

Marianas Drilling, Inc.

P.O. Box 8170

Tamuning, Guam 96931

Phone: 646 -7710

Fax: 646 - 6600

Twenty-three samples were delivered to the WERI lab on 25 Mar 2010.

Samples were from AAFB MW-8A, Andersen South, Yigo.

Comments: 24 hr. pump test.

| Sample | Date | Time | Chloride | Conductivity |
|--------------------|------------------|------------------|-----------------|---------------------|
| Location ID | Collected | Collected | mg/L | µS |
| Sample #1 | 3/23/2010 | 9:00 AM | 50.4 | 627 |
| Sample #2 | 3/23/2010 | 10:00 AM | 48.9 | 626 |
| Sample #3 | 3/23/2010 | 11:00 AM | 48.8 | 618 |
| Sample #4 | 3/23/2010 | 12:00 PM | 49.5 | 614 |
| Sample #5 | 3/23/2010 | 1:30 PM | 49.8 | 611 |
| Sample #6 | 3/23/2010 | 2:30 PM | 50.0 | 609 |
| Sample #7 | 3/23/2010 | 3:30 PM | 51.5 | 619 |
| Sample #8 | 3/23/2010 | 4:30 PM | 50.5 | 613 |
| Sample #9 | 3/23/2010 | 5:30 PM | 50.2 | 619 |
| Sample #10 | 3/23/2010 | 6:30 PM | 49.4 | 604 |
| Sample #11 | 3/23/2010 | 7:30 PM | 49.7 | 607 |
| Sample #12 | 3/23/2010 | 8:30 PM | 51.9 | 620 |



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| Sample | Date | Time | Chloride | Conductivity |
|--------------------|------------------|------------------|-----------------|---------------------|
| Location ID | Collected | Collected | mg/L | µS |
| Sample #13 | 3/23/2010 | 9:30 PM | 51.3 | 624 |
| Sample #14 | 3/23/2010 | 10:30 PM | 52.7 | 627 |
| Sample #15 | 3/23/2010 | 11:30 PM | 52.4 | 609 |
| Sample #16 | 3/24/2010 | 12:30 AM | 53.5 | 610 |
| Sample #17 | 3/24/2010 | 1:30 AM | 53.5 | 635 |
| Sample #18 | 3/24/2010 | 3:30 AM | 53.4 | 631 |
| Sample #19 | 3/24/2010 | 5:30 AM | 48.4 | 614 |
| Sample #20 | 3/24/2010 | 7:30 AM | 48.6 | 613 |
| Sample #21 | 3/24/2010 | 9:30 AM | 52 | 622 |
| Sample #22 | 3/24/2010 | 11:30 AM | 54.5 | 625 |
| Sample #23 | 3/24/2010 | 1:30 PM | 53.9 | 643 |

Sincerely,

Jennifer O. Cruz