JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) WATER AUTHORITY OF JORDAN MINISTRY OF WATER AND IRRIGATION THE HASHEMITE KINGDOM OF JORDAN

THE STUDY ON THE IMPROVEMENT OF THE WATER SUPPLY SYSTEM FOR THE ZAROA DISTRICT IN THE HASHEMITE KINGDOM OF JORDAN

FINAL REPORT

DATA BOOK

JULY 1996

J 1131600 (7)

TOKYO ENGINEERING CONSULTANTS IN ASSOCIATION WITH NIPPON KOEI



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JAPAN INTERNATIONAL COOPERATION AGENCY

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Exchange Rate USS1=Jordanian Dinar 0.71 USS1=Japanese Yen 106 (as of October 1995)

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DATA BOOK

1. FLOW & PRESSURE MEASUREMENT AND CALIBRATION

2. UNACCOUNTED-FOR WATER SURVEY

3. HYDRAULIC NETWORK ANALYSES

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1. FLOW & PRESSURE MEASUREMENT AND CALIBRATION

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18:23- 8.3998 043/# - 0.8098 04/5 +00000 7L -00521 7L	808 808 808 808	1	124:	•{	÷2.	33	35 26 10		./H S	022 032 032 032
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-03787 +L	808 608 809									
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11:34- 1.339E 0437H - 0.803E 0475 40000 % -00776 %L	oor Cor Cor			·			:			
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11:35- 1.4058 07378 - 0.8178 075 - 0.8178 075 - 02000 41 - 02003 41										·
-02343 -0	902 902 992									
11:33- 1.355E 0.737H - 0.735E 0.175 400000 11 -00359 11	492									
L1:33- L.375E 0432H - 0.755E 0425 +03803 *L -03302 *L	902 602 602 602 802		÷							
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076841104 11ME (8:40 HOR D.O 10:41- 0.2806 6M3+K 03X - 0.1826 8M3-03X - 0.0826 8M2 837 - 00034 4L 837 11:01- 0.2698 0A378 088 - 0.1558 0475 097 -00000 0L 097 -00141 0L 098 11:02- 0.276E 0437H 034 - 0.169E 0475 037 + 09233 +L 038 -09145 +L 038 10:42- 0.2516 04378 007 - 0.1516 0475 00R + 00000 11 00R - 00000 11 00R - 00000 11 00R 11:03- 8.2618 81328 808 - 8.1518 8125 828 +00000 \$L 628 -00149 \$L 638 19:43- 0.2556 04328 028 - 0.1546 0425 038 - 60000 4L 028 - 60943 4L 028 11:94- 0.2766 033-H 022 - 0.1606 04-5 032 - 03230 01 032 - 03154 01 032 19:44- 0.783E 073-X 092 - 0.164E 84-5 092 - 03017 4L 092 - 03017 4L 002 11:05- 0.2546 0137H 002 - 0.147E 0175 002 +00008 0L 002 -00158 0L 002 10:05-0 0.2538 0737H 00R _______ 0.155E 0775 00R +00000 11 00R -00002 11 00R 11:05- 0.2436 05378 028 - 0.1416 0775 028 - 02929 42 028 - 02154 42 028 10:45- 0.247E 8H3/H 80R - 0.143E 8H3/H 80R - 87230 4L 80R - 87230 4L 80R - 87025 4L 80R 11:07- 0.265E 013/H 028 - 0.154E 01/5 007 +00030 01 038 -00168 01 028 10:47- 9.235E BN3/H OOR - 0.167E BN/S COR +00000 4L COR 11:03- 0.9256 013/8 032 - 0.5356 01/5 032 - 0.5356 01/5 032 - 03556 01/5 032 COR 10:48- 0.2766 0337H 698 - 0.1686 0475 098 - 02203 01 098 - 02335 91 088 11:07- 1.335E 043/H 037 - 9.801E 04/S 007 +0000 #L 007 -00196 #L 027 10:49- 0.2506 04378 008 - 0.1526 8475 008 400030 *L 008 -02040 *L 008 11:10- 1.395E 4.37H 007-- 0.808E 0.1/5 027 - 00000 11 007 - 00219 11 007 10:50- 0.2576 0.37H 005 - 0.1495 0.75 007 - 0.000 01 007 - 00044 01 007 11:11- 1.368E 003/H 002 - 0.791E 00/S 002 +00000 +L 002 -00242 +L 003 13:51- 0.2768 013/H 008 - 0.1598 01/5 008 -00000 10 008 -00000 10 008 -00019 10 008 11:12- 1.389E 083/H 808 - 0.693E 68/S 698 10:52- 0.4538 ONJAH COR - 0.2588 ONAS OOR - 00003 1L OOR - 00055 1L OOR +00000 #L -00266 #L e à R eea 11:13- 1.373E 0437H 008 - 0.794E 9475 008 +00003 *L 008 -00203 *L 008 10:53- 0.297E 0.137H 00R - 0.172E 01-5 00R - 40000 1L 00R - 000 1L 00R 11:14- 1.3996 84378 888 - 9.8836 8475 888 - 48889 0L 888 - 68312 0L 888 10:54- 1.251E 083/8 002 - 0.729E 08/5 008 - 00003 1L 008 - 00075 1L 008 11:15- 1.3550 07378 078 - 0.7398 0775 078 +00000 01 028 -00335 01 008 10:55- 1.225E 0x37x 000 - 0.206E 0x75 000 +00003 1L 000 -00026 1L 000 11:16- L.39:E 043/8 022 - 0.936E 04/5 022 -00033 +L 032 -0359 +L 032 10:55- 1.2268 07378 008 - 0.7098 0775 088 402030 fl dur -03116 fl dur 11:27- 1.3386 ON32H OOR - 0.8086 ON45 OOR - 00000 NL OOR - 00020 NL OOR - 00022 NL OOR 19:57- 9.2646 94378 998 - 9.1536 8475 998 - 99323 4L 998 - 89123 4L 688 11:18- 1.394E CA3/H C37 - 0.345 03R - 0.45 03R - 0.85 10:58- 0.2978 033-8 002 - 0.1558 0345 034 - 00:1558 0345 034 - 00:23 11 037 - 00:27 11 037 695 100 P l, ese 11:19-098 098 10:59-0.2548 0328 008 - 0.1538 0475 008 +00000 11 008 -00132 11 008 +00000 72 -00123 +L ese 11:20- J. 394E ONJAH OR - 9.805E ONAS OR - 03403 *L COR -03452 *L POR 11:09- 0.2826 003/H 098 - 0.1646 0N/S 098 +00030 HL 099 -09135 HL 099

Car Washing . 0.)762 UINSELER 32.00 MB PIPE MATERIAL 605 น่อมมี รัพรีนี้ 3.68 ภ.1 INHER LINING BO UTNÍ. REND OF FLUID ? NATER SENSOR MOUNTING TYPE OF SENSOR 2 SHALL DATA CRANGE SPACING 0.00 MN U ha-od RX:84 65-17 10:34 DAMPING SET 03 SEC ZERO HODE CLEAR ZERƏ HODE Cal Zero NORE SELECT BATA SET DATA SET MODE ? CUT OFF CUT OFF DATE HODE SELECT DATA SET DATA SET HODE 7 FACTOR SCALE FACTOR 100.00 % INTES UNET - EHTEŠ- START -AUTO START TIME 86-17 10:40 OPERATION TIME PRT PERIOD 01 HIN PRT UNIT H3/H VES PRT UNLT H378 NO PRT UNIT N3/S PRE UNET HIS YES PRT UNET INTES PRT UNIT ATL PRT UNLT A12 BO

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+000000 ML -000000 ML

-02031 -1

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START TIME 65-17 10:41

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OUTER DIANETER PIPE MATERIAL VALL THICHLESS KIND OF FLUID SCHOOL NOUNTING TYPE OF SENSOR 7 SHALL DATA CHANGE SPACING 0.37 NH V 0402100 SET: 01 SEC 101-00 101-101 06-17 13:46 ZERO HODE CLEAR ZERO HOOE CAL ZERO WIDE SELECT DATA SET LATA SET HOLE ? CUT OFF CUT OFF DATA NOCE SELECT CATA SET DATA SET NOCE 7 FACTOR SCALE FACTOR HUES MULT THIES START ANTO START TUE 06-17 13:50 OFEFALION TIME PET FERICO FRT UNIT NOOH PRT UNIT MIMIT RT UNIT H3/S FRT WIT HAS FRT UNIT INTEG VES FRT UNIT ALL PO PRE UNIT A12 BD START TIME 06-17 13:51 OPERATION TIPE FRT FERICO . OL INDI

FRT UNIT HJAH SES

13:51- 0.3096 (11/5 008 +05000 HL 008 PPT UNIT 05/8 100

888 UNIT 9345 10 Sheep & Poultry Co. FRE WILT HAS FRT UNIT THIES 114 1140 133 (4) STA THU 193 CH START TIME 06-17 13:51 0FERATION TIME 99 HOR PRT PERICO FRT UNLT N3/H NES PRT UNLT N3/H N0 FRT UNLT N3/S N0 FRT UNIT N/S FRT UNT THIES PRT UNIT ALL FRT UNITAI2 13:53- 0.730E 013/H 008 - 0.293E 011/5 038 +00000 11 008 -00039 11 008 START THE OFERATION THE STAT 13:55- 0.7745 00:341 006 0.3075 0143 006 +0:303 1L 006 -00062 1L 006 13:56- 0.7748 01244 008 - 0.3078 0145 008 - 400000 41 008 - 00074 41 008 008 008 008 13:57- 0.7698 003-4 000 - 0.3058 611-3 000 +00000 11 000 -00007 11 000 13:58- 0.7168 0424 008 - 0.2848 0415 008 +00000 42 008 -00033 42 008 13:59- 0.723E (MJ-H (GR - 0.257E (MJ-S (GR + 00000 H, 008 + 00000 H, 008 14:00- 0.733E 010-11 00R - 0.291E 04-5 00R 010 000 000 400000 4L -00124 4L (4:0)- 0,6758 (1134) 008 - 0,2888 (1145 008 +00000 4L 008 -00135 4L 008 14:02- 0.693E 0034H 008 - 0.275E 0125 008 +00000 +L 008 -00147 +L 008 14:03- 0.721E 043/8 006 - 0.726E 043/8 006 +00000 1L 018 -00153 1L 018 14:04- 0.7512 043/H GOR - 0.2582 0475 048 - 00003 1L 008 -00171 4L 608 14:05- 0.2110 013/H 008 - 0.2800 01-3 008 + 50:000 HL 508 - 00183 HL 008 14:06- 0.7000 043/H 008 - 0.2890 04/S 008 - 00000 HL 008 -00195 HL 008

-0013 4

14:03- 0.7795 043/H 008 0.3005 04/3 008 000000 4L 008 -00200 4L 008 14109- 0.7388 04374 068 0.2688 04-5 608 +00000 4L 608 -00232 4L 608 14132-14:10- 0.7598 (413-4) 668 - 0.3138 (41-5 608 +00000 +L 608 -00245 +L 608 14:11- 0.7518 003-H 608 0.2588 005-5 008 +00030 NL 008 -00253 HL 008 14112- 0.7898 00324 008 0.3138 002-3 008 +00000 4L 008 -00271 4L 008 14:13- 0.751E 002-H 00R 0.298E (41-3 00R +00000 HL 00R -00283 4L 00R 14:14- 0.6888 003/H GOR - 0.2238 00/5 008 +00000 HL - 008 -00296 HL - 008 14115- 0.8628 (NCM 006 - 0.3428 (NCM 006 +00000 AL 006 -00000 AL 008 +00000 il -00001 il 14:16- 0.827E GIVH GOR - 0.325E GIL-5 OGR +GODOD 41 CGR -00321 41 OGR (4)17- 0.2048 00240 008 - 0.3198 0025 008 +00050 02 008 -00324 02 008 14:18- 0.2038_0132H_008 - 0.2798_0175_008 +00000_H____008 -00347_H____008 14:19- 0.774E 043/H 008 - 0.300E 04/S 008 - 00000 HL 008 -003/0 HL 008 14:20- 0.2568 0137H 008 - 0.2008 0175 008 +00000 1L 008 -00273 1L 068 14:21- 0.7168 0032H 008 0.2248 0025 008 +00000 1L 008 -00356 4L 008 14:22-0.834E 013-H 00R -0.331E 01-5 00R +00003 12 00R -00339 12 00R 100330 AL -00-59 AL 14123- 0.7165 043/H 008 0.23/E 04/5 008 +00000 11 008 -00412 11 008 14:24- 0.746E 013/H 008 - 0.296E 01/S 008 +00000 /L 608 -00405 /L 008 14:25-0.738E 0037H 668 0.289E 0075 608 +00000 1L 698 -00433 1L 698 14:25- 0.5096 04344 608 0.5216 (41:5 066 +50000 4L 608 -60451 4L 698 14:27-0.7568 (413/H 668 0.3006 (41-3 009 400000 HL 008 -00464 HL 669 14:23- 0,2356 001241 008 - 0,3216 00-5 008 +00005 NL 009 -09172 NL 004 14:52- 0.2582 (013-H 658 0.2772, (01-5) 658 •(555) 51 658 •(5576 91 658 14:29- 0.7338 01248 018 0.2918 018-5 008 +30050 1L 008 -05490 1L 008

14:07- 0.7696 04324 008 - 0.7656 0425 008 +03300 40 008

141295

0.7548 01354 000 0.5008 015 000 0.5008 015 000 0000 11 000 00503 11 000 14:31- 0.7998 04394 008 - 0.3178 04-5 008 +00000 (L 008 -00516 (L 008 9,75%E (MJ-H ()) 9,70%E (MJ-H ()) 90%E (MJ-S ()) 90%E (J-C) 90%E (J-C) 90%E (J-C) 14:33- 0.751E 043-4 008 - 0.256E 045-5 009 +00000 41 008 -00541 42 008 14:34- 0.759E 043-8 000 - 0.317E 04-5 008 +00000 4L 008 -00554 4L 008 14:35- 0.784E 013-H 008 - 0.311E 04-S 008 +00000 4L 008 -00567 4L 008 14136- 0.721E 043-H 00R - 0.286E 04-5 00R 100000 4L 00R -00530 4L 00R 14137- 0.693E 043/H 000 - 0.275E 04/S 000 +00000 1L 000 -00592 4L 000 14:33- 0.725E (VI3-H COR - 0.25E (VI3-H COR - 0.25E (VI-5 (VIA - 0.25E (VI-5)) 14:59-0.738E 04:37H 908 - 0.238E 04:45 008 +00000 HL 008 -00316 HL 908 (4:40- 0,733E 0(13/H 0)R - 0,29)E 0(1/S 0)R +0(13/H) HL 01R -0(16/29 HL 00R)4:41- 0.6958 013-11 908 - 0.2778 00-5 008 +00000 HL 008 -00641 HL 008 14142- 0.2368 003-8 008 - 0.2528 004-5 008 -00000 1L 008 -00652 1L 008 14:43- 0.761E 04348 058 - 0.300E 0415 058 400000 HL 058 -00465 HL 058 14:44- 0.743E (413-4) 008 - 0.235E (41-3) 008 +00000 NL 008 -00077 NL 008 14:45- 0.739E (413-78 (48 - 0.317E (41-5 - 04 14:46-0.7938 04348 008 0.3178 04-5 048 400000 4L 008 -00701 4L 058 14:47-0.786E043-80% - 0.310E043-80% 40000000_00% -00714_90_00% 14:43- 0.716E (4134K 00R - 0.284E (413-K 00R 14149-0.751E 005-H 008 - 0.240E (VI) 5 63E - 00000 HL - 008 - 00738 HL - 008 14:50- 0.930£ (413/4) 008 - 0.300£ (41.5 - 008 - 000069 (L - 008 -60751 (L - 608 14:51- 0.761E 04:3-2 009 - 0.501E 04:5 008 - 05:000 12 009 - 05:000 12 009

14153- 0.771E 05

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06-17 1415400 *R -00803 *L

05-17 1415400 VR

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	OPERATION TENE 99 HOR	12:42+ 1.649E 0N3/H 80R + 9.685E 0N/H 80R + 80387 +L 80R	13:92+ 2.276E 843/H 828 4 0.945E 84/5 837 +81183 +L 848	13:22+ 1.753E 833/H 829 • 9.723E 87/5 829 • 81732 •L 829
Zaidan	\$2\$25+ 1.755€ 0#3/H 028 + 0.729€ 0#/S 038 +02312 •L 028	-8808 +L 888 12:43+ 1.7278 843-4 888	-00000 +2 000 13:03* 2,3020 003/H 002	-228 44 40 40 40 40 40 40 40 40 40 40 40 40
OUTER DINMETER 34.0 MM	-20322 +C 804 14156 UNIT	+ 0.717€ 64/S 698 +03414 +L 698 -03390 +L 688	• 0.956E 07/5 00R •01145 *L 00R -0000 *L 00R	* 9.7850 0875 022 +91766 =L 022 -00000 4L 022
PIPE NATERIAL 7 CS-55	al Inter start	12:44 1.788E 843/H 848 8.739E 84/5 888	13:84) 2.266E 803/H 82R + 8.941E 80/S 82R	13:24+ 1.7246 8H3/H 822 • 8.7165 8H/S 822
NALL THICKNESS 2.40 BB	010 12426- 8.122E 013/H 009	•83443 •L 892 •89293 •L 892	+01133 \$L 032 -02030 \$L 032	+91729 11 202 -8000 14 6500 -8000 14 6500
ISSER LINDA	- 8,0516 87/5 008 +03036 *L 037 -00308 *L 038	12145) 1.796E €M3/H 0∂R + 0.746E 6M/S 6∂R + 62473 ↓L 6∂R - 62203 ↓L 6∂R	13:85> 2,268€ 8:13/H 8∂2 > 8.942€ 8:1/5 8:22 +81221 +L 8∂2 -8828∂ +L 8∂2	13:25+ 1.712C 91378 022 + 9.210E 61/5 022 +21024 11 022 -00022 11 022
KIND OF FLUID 7 VATER	START TIME 86-15 12:28	12:45: 2,343E 013/H 02R + 0,973E 01/S 02R	13:86+ 2,2255 683/8 688 4 8,9245 8475 802	13:26+ 1.777E 873-X 882 • 8.733E 875 823
SENSOR MOUNTINS ? V	OPERATION TINE 99 Hor	+89583 •L 888 -85883 •L 888	+81258 *1 BER -88008 *1 822	+91853 °L 622 -88829 °L 822
TYPE OF SENSOR ? SHALL	12:27- 0.1276 883/H 802 - 0.0536 84/5 092 - 48835 \$1 892	428540 •L 02R	13:07+ 1.9966 8:537X 807 + 8.8296 6:57X 807 +81292 +L 837	13:27+ 1.745E 6737H 697 + 8.725E 67/5 627 +01892 *L 637
DATA CHANGE 7 NO Spacing	-0000 *1 000 12*28* 1.2585 013/H COR	-00000 +L 00R	-88088 +L 887 13:68+ 1.9978 873/8 883	-02000 11 822 13:28+ 9.0000 013/H 002
1.69	• 0.7582 BAS 60R • 00010 •1 60R - 00000 \$1 60R • 00000 \$1 60R	• 8_874E 81/5 888 +88577 \$1 888 -8823 \$1 888	+ 0.825€ 81/5 838 +01326 +L 838 -88888 +L 838	+91903 1 982 -86699 91 823
06-15 12:20 Damp]kg SET D3 SEC	12:29 8.6786 643/H 698 4 9.6976 64/S 688 489939 41 688	12:49> 2.237E BN3/H 68R + B.9296 BN5/ 68R +00613 \$1 62R -00008 \$1 62R	13:69+ 1.972E 073-X 803 + 0.619E 07/5 803 +61359 +L 602	Zaidan
ZERO NODE CLEAR	-82002 +L 09R 12138+ 1.654E 0437H 09R 4 8.687E 0475 038	-00200 4L 007 12:50+ 2.1945 0337H 007 • 0.9116 0475 007	-20003 +L 028 13:10+ 2.042E 0.13/H 002 + 8.043E 0.1/5 023	13:23+ 2.334E 843-H 822 + 9:959E=8525 832 + 8:1912 +1 922
ZERO MODE CAL ZERO	+20065 *L 00R	+02651 *L 888 -0000 *L 888	+01392 4L 23R -23208 4L 23R	-02000 01 022 13:380 2.0376 0.13/H 028
NODE SELECT DATA SET	106032 FC 66K	12:51+ 2.324€ 643/H &0R + 0.965€ 64/S &0R +00659 +L &0CR -00003 +L &2R	13:11+ 1.758E 033/H 037 + 0.730E 04/5 038 +01425 01 032	+ 0.846E 0:1/S 03₹ +81919 ₹. 622 -62280 ₹. 83₹
DATA SET HODE 7 CUT OFF	-66923 ×L 832 12*32* 1,5965 873/78 832 + 8.6635 87/5 832	12:52+ 2.378E 8N3-K 88R + 8.984E 6N5 88R	-88283 #L 833 13:12# 1.686E 88378 833 # 8.788E 885 833	13:31+ 2.0885 073/H 023 • 0.8675 07/S 027 +01983 *L 023
CUT OFF DATA 001	+ E9128 •L 858 - C9868 •L 858	+09728 +L €CR -00990 +L €&R	+01454 \$L &?? -02228 \$L &??	-00000 +L
NODE SELECT DATA SET DATA SET MODE	12:33+ I.\$\$9E \$-13+H \$0R + 8.658E \$-13-K \$28 +80147 \$1 \$09R -88828 \$12 \$88	12:53+ 2.283É 8N3/H 88R + 0.9486 8N/S 88R +89767 +1 88R -88883 +1 898	13:13+ 1.6966 0x378 022 + 0.7006 0x75 023 +01492 >L 022 -00200 +L 022	+ 0,872E 81∕5 839 +02019 *1. 607 -02220 *1. 607
2 FACTOR SCALE FACTOR	12:34+ 1.592E 843/H 808 + 0.661E 84/S 808	12:54+ 2.2686 8:378 908 + 0.9586 8:1/5 898	-80800 #L 028 13:14+ 1.7000 033/H 008 + 8.7050 03/5 028	13:33+ 1.965E 6737H 637 + 8.816E 6475 637 +92852 *L 683
103.09 2 Enteg unit *L	423173 •L 607 -82863 •L 627	+89595 ML 897 -83834 L 898	+01218 +L 655 -55503 +L 655	13:144 1 9455 61170 600
INTES START	12:35* 1,5895 673/4 008 * 8.6665 6775 807 +03199 *L 807 -82003 *L 808	12:550 2.305€ 0137# 038 + 0.957€ 0175 00R +03343 0L 002 -02020 0L 002	13:15+ 1.731E 0:13/K 03R - + 0.7195 0:1/S 0:0R +01539 +L 03R -00203 +L 03R	+ 8:316€ 6:1/5 8:32 +82835 ≥L 8:22 -83820 ≥L 8:32
START TIME 06-15 12:25	- 62263 *L 628 12:36* 1.5595 04374 628 * 8.6475 0475 094 + 83225 *L 608 - 62220 *L 608 12:37* 1.6186 84374 008 * 0.5725 8475 603	12:56+ 2.2986 07378 082 + 0.9516 87/5 082	13:16+ 1.6718 07374 037 + 0.6948 0775 097	13:35 1.991E 0.378 022 0.8272 0.1/5 027 402118 41 022 0231 1 017
OFERATION TIME 99 HOR	-62223 -L 600 -62220 +L 600 12:37+ 1.6186 83778 800	-00000 1 0000 -00000 1 0000	+01368 31 034 -0038 31 032	13:35+ 2.049E 073/H 00R + 0.851E 075/H 00R
81 NIN	+ 0.572E 01-5 CGR + 09252 + L 20R - 02233 + L 00R	♦ 0,945E 0X/S 80R +83918 *L 03R -82233 *L 03R	+ 0.7102 0.745 0.54 +01596 11 0.32 +0203 11 0.22	+02151 +L 832 -02200 +L 832
PRT UNIT M3/H YES PRT UNIT M3/M	12:38+ 1.595E 0.137H 00R + 0.653E 0.175 00R	12:57* 2.2755 0.374 0.94 • 0.9455 0575 0.97 • 0.9455 0575 0.97 • 0.9318 •L 0.37 • 0.2233 •L 0.37 12:58* 2.2935 0.3741 0.97 • 0.9525 0.375 0.3 • 0.9525 0.1 0.37 • 0.9528 0.1 0.37	13:18+ 1.671E 0n3-H 822 + 0.6945 01/5 634	13:37 2.0555 9.374 039 + 0.0595 0.45 023 + 02185 12 023
FO FRE UNIT N3-S	553 J \$25035+ \$89 J \$5055- 004 Witho 125 1 20155	484956 42 832 -86928 41 832	+81625 •£ 6-3 -82638 •L 628	13+33+ 2.0715 013-H 002 + 0.0605 0145 003
HO PRT UNET MAS	+ 0.6495 CA/S CE + 20305 %L CCR - 20303 %L CCR	+ 0,941E 0.75 60R +03995 4L 60R -02203 4L 60R	+ 0.2025 04/5 032 + 01653 PL 032 - 80209 +L 022	+02721 eL 603 -00000 eL 638
VES PRT UNIT INTEG	• 0.6532 0475 007 +09279 01 037 -02000 *L 007 12:39* 1.5532 0337/H 037 • 0.6492 0475 007 +00003 *L 007 -00000 *L 007 12:43* 1.6292 9*37/H 037 • 0.6762 0475 032 +00337 *L 037 -00000 *L 037 12:41* 1.6306 0437/H 008	13:00+ 2.312E 843-K 80R + 8.968E 84-5 68R	13:23+ 1.698E 8.3/H 433 + 0.705E 8.1/5 633	13:39+ 2.1242 0:37H 03R + 0.8322 0:75 03R +02255 4L 0:37
PRI UNLI AII	+09332 +L 098 -00009 +L 098	+01033 *L 032 -60203 *L 002	550 10 18316+ 550 14 66959-	-2888 12 8378 837 13:43: 1.7346 87378 837
PRT UNIT AJ2	-00203 *L 832 12:41+ 5.6396 8*3/H 992 * 9.6775 8*7/5 897 * 89359 *L 832 -83828 *L 832 -83828 *L 832	1518 4.279 4.2895 4.278 603 • 8.28495 61.45 603 • 601078 •1 803 - 662828 •1 803	• 0.695E 83/5 632 •01703 •1 632 •02204 •1 632	-69593 AT 695 +63598 AT 695
START TENE 86-15 12+25			-00509 40 001	13:41+ 1,7395 8:374 808 + 0,7225 2:45 808

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14:21. 1.3928 8432H 802 8.5888 84-5 822 14:01+ 1.2866 6437H 65R • 8.5346 8475 648 • 92895 •L 68R -00200 L 0.20 865 -65335 H 698 Zaidan 14:02+ 1.312E 85378 803 + 0.545E 8875 887 +02917 *L 888 -88888 *L 888 14:22+ 1.963E 833-9 608 + 8.815E 84-5 808 +83436 4L 838 -83828 4L 838 13:42+ 1.849E BAINH BƏR • 0.268E BANS BƏR • 9234B +L BƏR - 88898 +L BƏR - 88898 +L BER 14:23+ 2.8376 6+378 882 + 8.8466 6475 884 +83465 9L 884 -8988 9L 884 14:03+ 1.293E 0537H 098 + 0.537E 0575 038 +02939 \$1 038 -00000 \$1 098 13:43+ 1.7096 0n3/H 00R • 0.7436 04/5 00R • 02370 •L 00R • 0000 •L 00R 14:24+ 1.3995 8-378 888 + 8:5815 8475 888 + 8:3495 *L 888 -88280 *L 822 14:04+ 1.247C 673/8 688 + 9.518C 67/5 628 +02968 +L 638 -88289 +L 628 13144+ 1.8356 8H3-H 8CR + 8.7526 8H3-H 8CR + 82468 +L 8CR -CCCC0 +L 8CR -CCCC0 +L 8CR 14:254 1.664E 0NJ/H 00R + 0.691E 0H/S 00R + 03525 +L 00R - 00000 +L 00R 14:05* 1.56% 8:13/H 828 * 8.6486 8:13/H 828 * 82982 *L 828 -82982 *L 828 -8288 *L 828 13:45+ 1.225E BM3/K BER + 0.232E BM/S BER +02435 +L BER -8888 +L BER -8888 +L BER 14:06+ 1.570E 043/8 00R + 0.652E 04/5 00R + 03011 01 00R -02008 11 02R 14:26+ 2.146E 0#3/H 02R + 0.091E 0#/S 02R +03556 •L 02R -00000 *L 02R 13:46+ 1.758E BH3/H 888 + 0.758E 84/S 888 +82465 *L 898 -8888 *L 888 14:27+ 1.898E 8137H 68R + 8.764E 8175 69R +83589 #L 62R 14:07+ 1.435E 0M3/H 02R + 0.556E 8M/S 02R +03035 *L 02R 13:47+ 1.776E 643/H 00R + 0.735E 04/5 00R +02498 +L 00R eer eer -1* 65599--89683 *L 622 -86888 *L 688 14:00+ 1,346E 673+H 008 + 0.559E 07+5 002 + 03059 +L 008 - 0000 +L 008 14:28+ 1.621E 8:1378 808 + 8.673E 8:15 0 +03617 +L 802 13:48+ 1.764E 8.37H 80R + 8.731E 8.475 80R +92528 +L 80R -68888 +L 80R -85669 4L eer 14:29+ 1.9536 613/H 68R + 8.4156 60/5 68R +93545 01 82R -60888 11 88R 14:03+ 1.445E 0m3/H 00R + 8.600E 0M/S 90R +83082 *L 00R 13:49+ 2.122E 843/8 BER + 8.831E 84/5 888 +82559 #L 888 -86568 #L eer -66888 +r eer 05-15 14:2908 PR +03653 PL (4:10+ 1.664E 0N3/H COR + 0.691E 6M/S COR + 03128 *L COR 13:58+ 1.823E 833/H 888 + 0.757E 84/5 888 +02592 *L 888 -8888 *L 888 06-15 1412928 #R +03663 #L -86668 ML eer 14:11+ 1.606E 653/H 682 + 0.657E 84/5 892 +03135 *L 802 13:51+ 2.0866 843-H 888 + 0.8336 84-5 888 +82622 +L 888 -69659 1F eez +82622 +L -82883 +L 858 14:12+ 1.4936 073/H 000 + 0.6200 07/5 00/ 403161 +L 000 -0000 +L 000 13:52+ 1.852E 8:33/H 807 + 8.759E 8:4/S 807 +02655 *L 807 -8680 *L 807 14:13+ 1.0040 037H 027 + 0.7490 07/5 028 + 03105 +L 028 -00200 +L 028 13:53+ 1.7696 6N3/H 887 + 0.7436 8N/S 887 +02636 +L 887 -85553 +L 996 14:14: 1.5726 8:378 838 + 8.6376 8:45 838 + 83215 +L 838 13:54+ 1.775E 83378 808 + 0.737E 8475 808 +82717 +L 808 1. E8559-655 -86599 +1 655 14:15: 1.953E 0:13/8 COR + 0.811E 0:1/5 COR + 0.245 +L 0:3/ - 0000 1L 0:27 13:55+ 1.777E 8:137H 828 + 0.738E 8:175 808 +02746 +L 828 -02228 +L 808 14116* 1.873E ON3+H BOR • 9.786E BR-S BOR 13:56+ 1.714£ 013/H 007 + 0.7126 01/S 007 +02775 +1 008 +83272 +L 438 - 66659 •E 202 1* 55559eer 14=17+ L.SIDE 073-H 00R + 0.627E 07-5 00R +03301 *L 00R -00000 *L 00R 13:57+ 1.558E 843-8 698 + 0.647E 84/5 698 +87697 41. 698 -82898 41. 888 14:18+ 1.623E 0.13/H 00R + 0.674E 01/S 00R +03331 *L 00R 13:58+ 1.351E 0737H 008 + 0.561E 07/5 028 +02927 +L 032 -00233 +L 032 -55559 M 695 14:19* 1.434E 8737H 692 4. 0.684E 8775 697 403355 *L 687 6889 4L 687 13:59+ 1.722E 64378 688 + 0.767E 6875 688 + 02859 4L 688 - 62269 4L 688 14:20+ 1,4935 8:37H 63R + 0.628E 8:1/5 63R + 03382 +L 60R 14:00+ 1.2765 0H378 028 + 0.5385 0H75 088 +02973 +L 088 -eeeea +L eea -28829 11 655

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	OPERATION TIPE	147294 0.254E 013/H 09R + 0.008E 01/5 09R
	14:14+ 9.2795 875×8 938	• 03374 ×L 838 - 03223 ×L 838
Talhony Mill	9.1198 9.5/\$ 938	
•	560 ··· 66666+	14:30+ 0.2555 04378 00R + 0.1095 0475 00R
SATES OF WELES		• 21093 ×L 812
PIPE NATERIAL	TATTIC 0.734E 053/8 008 + 0.121E 05/5 038	-69959 •F 885
? C\$155	+89682 +L 888	14:31+ 0.303E 813/H 83R
VALL THICKNESS	-8566 J. 65568-	+ 0.129E 0M/S 002 +00104 PL 002
1.80 64	14112+ 0.310E 0N3+R 0BR + 0.132E 0H/S 0DR	-25059 \$1 695
INNER LINING	+80010 •L 02R	14:32+ 0.393E 083/8 082
7 NO LINS.	-49989 11 B8866-	+ 0.1296 6M/S 002 +00107 +L 002
KIND OF FLUID	14113+ 0.324E 003-H 00R	-569 J# 66063-
y water	 8.138E 84/S 03R 008 	14133+ 0.331E 003/H 008
SENSOR HOUHTINS	-22553 *L 65R	+ 0.141E 04/5 032
	14:14+ 0.324E 003/H 00R	+04114 +L 032 +06660 +L 082
TYPE OF SENSOR	+ 0.138E 0M/S COR +00021 FL COR	14:34+ 0.331E 083/8 00R
	-9569 ×L - 668	+ 0.141E 00/S 00R
CATA CHANGE	14:15+ 0.373E 0*3-X 00R	+00120 •1. 00R -00000 •1. 00R
	A 1505 Adve 635	
SPACING 8.00 KA U	+22927 #L 00R +22927 #L 00R -8008 #L 00R	14:35+ 0.334E 9n3/H 80R + 0.142E 84/S 60R
· ·	14:16+ 9.312E 983+K 898	+00125 #L 00R
NA-DD NH:N3 86-15 14:86	+ 0.133E 00/S 00R	-20069 ×L 688
CAMPING SET	+09933 *L 98R -0993 *L 98R	14:36+ 0.359E 003/8 00R + 0.153E 00/5 00R
03 SEC		+00Ĵ3Ļ #L - 002
ZERO MODE	14:17+ 0.315E 0337H 00R + 0.134E 0775 00R	-65559 •F 655
CLEAR	+2333 \$L COR -23088 \$L COR	14:37+ 0.366E 803/H COR
ZERO NODE		+ 0.156E 2N/S COR +00137 +L 60R
CAL ZERD	14:18+ 0.319E 043/H 00R + 0.136E 04/5 09R	-00003 #L 00R
HODE SELECT	+20043 *L 00R	14138+ 0.381E 883/H 80R
DATA SET	-85838 +L 8588-	+ 0.162E 0X/S 00R +00143 *L 00R
DATA SET MODE ? CUT OFF	14:19: 0.294E 033/R 09R 0.125E 04/S 00R	-66939 +F 66688-
	+00049 ×L 007	141394 0.364E 083/8 008
CUT OFF DATA	-65629 xr 65823-	+ 0.155E 0.1/S .03R
	14:28+ 8.232E 883-H COR	+99149 +L 62R -0008 +L 60R
NODE SELECT DATA SET	♦ 0.099E 01/S 00P ♦00052 ¥L 00P	14:484 0.359E 613/8 60R
	-6669 *L 695	 0.1538 01/5 00R
- DATA SET MODE ? FACTOR	14:21+ 9.277E 673/8 08R	+00155 ×L 00R -80000 ×L 00R
SCALE FACTOR	• 0.1186 07/5 00R •00057 •L 00R	
100.00 2	-9299 JL 66559-	14:41+ 0.336E 013/H 00R + 0.143E 01/S CCR
INTEG UNIT	14:22+ 8.261E 853/H 80R	+00161 ×L
,*L	+ 0.111E OH/S ODA	•
INTEG START	+83051 FL 898 -68323 FL 00R	4142+ 0.345E 013/H COR + 0.147E 98/S COR
0184	14:23+ 0.275E 053/R 002	+00167 +L 00R
START TLUE	A 1175 AN/C A33	-00033 ML 03R
86-15 14:10	+00055 +L 00R -000 -L 00R	14143+ 0.378E 0437H 00R + 0.163E 0475 00R
OPERATION TIME	14:24+ 9-272E 8:3/H COR	+80172 +L 038
99 HCR	+ 9.116E 01/5 00R	-6366 M 66663-
PRE PERIOD OF BEN	+99970 PL 602 -808 PL 602	14:44+ 0.324E 073/H COR
· · · ·	1	+03178 +1 000
PRT UNIT N3/H VES	14:25+ 0.263E 013/8 002 + 0.112E 01/5 002	-0000 +L 00R
	+03074 +L 802 -8303 +L 802	14:450 0.2366 083/8 00R + 0.1226 08/8 00R
PRT UNIT N3/N NO		+ 0.122E 84/S 00R +00184 +L 00R
PRT UHIT N3/S	14:26+ 9.301E 003/H 002 + 0.128E 00/S 002	-0000 +L 008
ON	+03973 +L 008	14:45+ 0.319E 043/H 00R + 0.136E 04/5 00R
PRT UNIT N/S		1 5 5 1 6 6 1 5 6 5 5 5 5 5 5 5 5 5 5 5
YES	14:27+ 0.296E 043/H 008 + 0.127E 04/S 003	-00000 IL 02R
PRT UNIT INTEG	+03334 +L	14:471 0.3345 04348 848
YES PRT UNIT ALL		1 011476 BAND 200
NO NO	14:23+ 0.256E 013/8 032 + 0.122E 01/5 032	109195 HL 008 -09003 HL 008
PRT UNIT AL2	+00000 *E 668	A 4 4
80	-03230 FL 00R	14:434 8.435E 01378 ODR + 0.165E 0175 858
START TIME		+09201 *L 098 +09203 *L 098
START TIME 85-15 14:10		00900-L 034

	808 808 808 808 808	15:37	9.47 9.11 99355 99355	JE -	91/3	842 902 802 802 802
	cər Oər Oər Oər Oər		4752 20222		<u>د</u>	00R 00R 00R 00R 00R
	00r 00r 29r 20r		5:123		2	
	968 908 908 908 908					
	032 002 032 032					
	949 695 695 695 695					
	809 500 500 509 509					
	909 909 909 909 809					
	989 809 989 989					
	802 632 662 663 663					
	002 002 002 002 002					
	808 800 800 808 808		•			
	oor Cor Cor Cor				•.	
	COR Cor Osr Osr Eor					
	007 037 037 037 037		·			÷
15:04) 0.453E 0437H + 0.193E 0475 +00310 +L -00000 +L	oər Cər Əər Oər					
15:05+ 0.458E 0.37H + 0.195E CH/S +90375 +L -82000 +L				:		
15:06+ 0.397E 0137H + 0.159E 0175 +09334 +1 -68890 +1	560 560 560 569 569					
15:07+ 0,552E 07378 1 0,153E 07378 100310 1L 100310 1L 100333 1L	809 809 809 809					
15:03) 0.4355 0n3/H + 9.1855 0n/\$ +09347 +L -00000 +L	605 200 200 200 200					

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		12:17: 8.343E CT3-H BA	12:34+ 8.4258 84378 838 • 0 1096-28378 808	12151+ 9.3555 8x378 822 + 9.6425-28378 822
Talbary Mill	NO PRT UNET A12	+ 0,155E 8%/5 02/ ; +00034 •L 022		* 0.1745 87/5 832 * 0.1745 87/5 832 #88298 PL 882
Talhony Mili	NO START 11""	\$00 J. 65606-	-99969 •1 534	- 69969 =1 655
*****	\$3-6> \$3:"",	12:18: 0.338E 653/H 0.R	121351 0.334E 0H3/H 00R	121524 0.3955 0837H 324 • 0.661E-28378 024
COTER DIANE(ER 34.0 AM	575 12 86-21 . 2283	+ 0,550E-25378 0(+ 0,149E 0575 00; +02392 =1 223	+ 0.557E-2037M 002 + 0.151E 0M/S 00R +00194 +L 03R	* 0,1755 63/5 532 * 0,1755 63/5 532 *0328 *L 032
PIPE MATERIAL ? CS.SS	OPERATION TUBE 99 HOR	-91.69.16	-2000 -1 0032	-656 11 66659-
WALL THICKNESS	12:83+ 0.305E 8N3/H GOR	12119+ 8.407E 8/3/4 838 + 8.679E-2#3-# 808	12:36+ 0.323E 0H3/H 83R 0.539E-283/H 83R	12:53+ 0.3938 843/H 000 + 0.6395-243/H 000
3.60 24	(,5096-213/N 82R + 0,136-243/N 82R	* 0,184E 63/5 202 40037 ×L 022	+ 0.1468 0075 00R +20200 4L 00R	* 9.173E 64/5 222
INNER LINING ? NO LINS.	888 14-66959.	-269 st 69280-	-00000 PL 00R	-596 Je 65968-
1 H. FLUID	12:01. 0.292E 8H3/H 88R	+ 8.454E-243/h 80R	12:37: 0.361E 013-H 00R • 0.602E-243-5 80R	12:54 0.3945 BR3/H BOR + 0.6615-203/A BOR + 0.1745 BR/S BOR
SENSOR	+ 0.407E-213/N 092 + 0.132E 01/5 002	* 0.1236 0475 047 *80102 *L 048 -00000 *L 048	+ 8.163E 81/5 ¢3R +89206 *L 893	+80314 =1 822 -80029 =1 822
7	+20065 +L 202 -2020 +L 202		-22003 +L 00R	12:55+ 8.361E 853/H 222
TYPE OF SENSOP	12:05+ 0.363E CA3-H 286	12:21+ 0.323E 873-H 887 + 0.539E-273-H 887 + 0.145E 87/5 887	0,421E-2N3/H 80R	• 0.602E-2#3/# 82R • 0.163E 8M/\$ 82R
DATA CHA-SE	4 0.1645 243/N 028 4 0.1645 25/S 208 4 208 42	469163 +L 6958 -6696 •L 695	480711 41 988 -20020 41 608	+83321 FL 827 -88838 FL 828
?)	-03660 ML 358	12:22+ 0.412E 0N3/8 80R	12:39+ 0.334E 813/H POR	12:56+ 8.334E 873/N 887
SPACING 2.05 MA V	12:86+ 0.398E 873-H 808 • 0.664E-2737H 808	 0.637E-2NJ/N 82R 0.186E 01/5 80R 	* 8.557E-203/N 82R * 0.151E 00/S 82R	+ 0.557E-2H3/H 002 + 0.151E 0H/S 002
68-00 HH:68	• 0.180E 07/5 03k • 80817 • L 602	+08114 ¥L 90R -80828 ¥L 80R	400216 PL 00R -00000 PL 60R	+23327 *L 033 -02000 *L 033
85-21 11:59 Nabalua 661	-0000 °L 808	12:23+ 0.261E 8×3-4 00R	12:48+ 0.328E 6N3/H 88R	12=57+ 0.372E 813/H 882
DAMPING SET Of SEC	12:07+ 0.3915 653/8.015 + 0.661E-253/8 vu	+ 0.435E-283/A 00R + 0.118E 68/S 02R	+ 0.546E-203-7 0CR + 0.143E 07/5 0CR	+ 0.6202-20378 002 + 0.6682 0878 002
NODE SELECT DATA SET	+ 0.179£ 81/5 00R +00922 L 00R	+80128 ×L 807 -80803 ×L 908	+23222 #L 80R -00000 #L 80R	+89334 ×L 622 -89890 ×L 202
DATA SET NODE	-69569 +F - 52.	12:24+ 9.303E 843/H 00R + 9.513E-243/8 00R	12141+ 0.388E 053-8 88R	12:59+ 0.445E 2x1/H 000 + 0.749E-2x1/H 000
7 FACTOR	12:08+ 0.372E 0.37H 8. + 0.620E-2#3/H 88R	+ 0.139E 04/5 03R	+ 0,513E-2437# BOR + 0,139E 0475 COR +80727 %L & BOR	+ 0.2032 0M/S 038 +00341 +L038 .
SCALE FACTOR 109.09 2	• 0.1536 0.75 028 • 09529 *L 028 - 22223 *L 028	-96869 *L 00R	-96959 J 96959-	856 J+ 86658-
ZERO MODE	12109+ 8,310E 073-H 09R	12:25+ 0.297E 0.3/H 00R + 0.495E-243/H 00R	12:42+ 0.438E 0N3/H 00R + 0.731E-223/H 00R	12:59+ 0.3965 0H3/H 22R 855 H\ER_3163.0 +
ELEAR ZERO MODE	4 0.517E-283/8 002 4 0.140E 01/2 BOR	+ 0.134E 04/5 00R +07132 #L 00R	+ 0.198E C.1/S BOR +80233 +L 00R	• 0.1795 24/5 222 +28347 +1 282
CAL ZERO	+20034 #L 80P	-0363 ×L 8555-	-96999 ¥L 66699-	-8683 ×L 868
BODE SELECT DATA SET	12:10+ 8.292E 043/H 822	12:26* 0.372E 013/H 888 * 0.628E-283/H 888	+ 0.668E-7'13/# 00R	13:08+ 0.4125 013/16 022 + 0.6875-253/16 022 + 0.1055 05/5 002
DATA SET HODE	+ 0.497E-243/8 60R + 0.132E 84/5 PAR	+ 0.163E PN/S &&R +80138 #1 82R		+00354 ×L 022 -00000 ×L 022
7 CUT OFF	+86840 > 1 €8884 Rés 14 66868+	-00000 +L 000 12:274 0.3236 013/H 800	-00000 HL 00R	13181+ 0 4165 813/H 687
CUT OFF PATA COL	12:11+ 0.397E 0.37H 80R	4 0.539E-273/A 00R 4 0.146E 04/5 00R	12:44> 0.454E 0n3/8 008 + 0.7576-203/8 008 + 0.205E 00/5 008	+ 0.694E-283/A COR + 0.1885 07/5 COR
HODE SELECT	+ 9,6450-283/X 00R + 9,8750 68/5 00R +008750 01	+ 93144 ×L 832 - 63633 ×L 930	+03247 +L 832 -23230 +L 80R	-89361 ×L 882 -88289 ×L 882
DATA SET	-89569 TT 8624	12:28+ 0.355E 083/H COR	12:45+ 0.416E 803/H 80R	13:02+ 0.4035 6n3/H 000
orta sei node 7 factor	12:12: 8.365E 813/8 898 • 0.609E-203/8 998	+ 0.6098-273/h 202 + 0.1658 67/5 222	+ 0.694E-2434N COR + 0.189E CH/S 20R	• 0.6222-203/N 00A2 • 0.1925 00/5 202
SCALE FACTOR	• 0.1656 0X/S COR •02853 •L 800	+00150 +L 800 -80980 +L 808	+80254 FL 828 -20008 FL 828	+89365 +L 855 +89365 +L 855
INTEG UNIT	-66563 × 66263-	12:291 0.343E 853/H 888	12:451 8.474E 003/H COR	13:1 21 824 1 833
AL INTEG START	12:13. 0.372E 0.37H COR 0.623E-253/8 COR	+ 0.572E-203/0 00R + 0.155E 00/5 00R +00156 01 03R	+ 8.790E-203/H COR + 8.214E CM-S BOR	-~ 227, 602
Ofus	+ 0.169E 01/5 80R +88059 +L 80R	-09999 1 005	+29261 ≭L 80R -69638 ●L 83R	38R
STGRT 1[#E 66-21 12:03	-00000 •L 202	12:38 0.412E 843/H 68R	12:47+ 0.416E 833/# 83R • 0.692E-283/# 63R	13:040 + 13:0500 + 13:0400 + 13:0400 + 13:0400 + 13:0400 + 13:0400 + 13:0400 + 13:0400 + 13:0400 + 13:0400 + 13:05000 + 13:00000 + 13:0000 + 13:0000 + 13:00000000000000000000
CPERATION TIME	+ 0.6468-253/h 007 + 0.1758 68/5 202	 0.165E 84/5 DOR +80162 *1. 032 	+ 0.100E 01/5 COR +00268 +L 80R	+ 0331 -L 207
PRT PERIOD	+68962 +1 895 +68962 +1 895	-69000 VL 608	-00000 +L 83R	-00003 •1 - 60000
01 MIH	12:15+ 9.3926 843/H BOR	12:3(+ 0.376E 643/H 028 + 0.628E-243/h 308	12:48+ 0.323E 0H3/H DOR 0.539E-2H3/H OOR	
PRT UNIT N3/K VES	+ 0.653E-243/8 00R + 0.177E 04/5 00R	+ 0.170E 01/5 03/ +03169 +L 03	• 0.146E 0875 008 •00274 •L 008	
PRT UNIT A3+A	•90071 •L 00R -00000 •L 00R	-0303 M 038	-69600 +L 008	
VES PRT UNIT N3-S	12:16 0.341E 013/H POR	12:32+ 9,3656 05378 833 + 0.6896-25378 009 + 0.1656 0575 008	12:43+ 0.395E 6#3/8 23R + 0.642E-2#3/8 83R	
63 5-4 1444 144	0.5696-213/1 03R 0.1546 01/5 03P	+ 03125 +L 034 - 03200 +L 034	+ 0.174€ 01/5 038 +89780 FL 038 -88980 FL 038	2 - E 4
PRE UNIT N/S VES	+82078 +1 802 -82020 +1 802	12133+ 0.314E 653/H 697	12:50+ 0.350E 0N3/H 202	· . ·
FRT UNIT INTES		+ 0.5245-273/# 027 + 0.1426 07/\$ 007	+ 0.5936-26378 008 + 0.1596 0875 008	
		•03191 •1. 008 •03209 •1. 008	+00737 +L 038 -03839 +L 038	
		· · ·		

OUTER DIAMETER PIPE MATERIAL UNLE THICKNESS INTER LINING ? NO LING KIND OF FLUID SENSOR HOUNT LING TYPE OF SENSOR OATA CHANGE SPACING 1: 0.00 MIV MI-00 HR:N1 66-15 11:20 DAMPING SET 03 SEC ZERO HODE CLEAS ZERO HODE CAL ZERO HODE SELECT DATA SET DATA SET DOCE ? OUT OFF OUT OFF DATA DATA SET NODE 7 FACTOR SCALE FACTOR INTEG URIT INTEG START AUTO STARI TINE 06-15 11:27 OPERATION TINE PRT PERIOD -01 MIN PRT WIT H3/H VES prt (UH)T M3/A NQ FRT UNIT H3/S NO PRT UNIT HAS PRT UNIT INTEG ITA TUU TRG PRT UNIT A12 START TINE 06-15 11:27 OFERATION THE 11:27: 0.000E 01041 098 + 0.000E 0105 018 +0000E 011 898 -0000 11 898

11:23 0.0000 013-31 600 + 0.0000 01-5 000 + 0.0000 1L 000 + 00000 1L 000 - 00000 1L 000

Jawad Bakery (1)

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11129+ 0,600E 013/H 604 6,000E 01/3 008 +00503 42 008 -00593 42 008 200 11:30: 0.000E (m3 1 • 0.000E (m3 1 • 0.000E (m3 1 • 0.0000 • 1 AUR DUR 111311 0.0000 0134 038 • 0.9000 015 008 • 00000 12 008 • 00000 12 008 11:32: 0.0000 0HJ-H 00R + 0.0000 0L-S 00R +00000 0L 00R -00000 0L 00R 11:34- 8.0305 003/H 008 + 0.0005 00//S 008 +00000 1L 008 -00033 1L 008 11:35+ 0.600E 0H3-H 002 + 0.003E 0H-5 POR +00006 1L 00R -05000 1L 00R 11:25) 8.0806 010/H 008 9.0006 01/3 008 +00808 *L 008 -00000 *L 008 11:37: 0.0000 007/H 008 0.0000 01/S 008 + 30000 1L 008 - 00000 1L 008 11138 0.0000 01/5 007 0.0000 01/5 007 +00000 1L 007 -00000 1L 007 11:391 0.0225 013-11 608 + 0.0025 01-5 608 +0.0050 1L 008 -00900 1L 008 11:43+ 0.020E ENJ-H 032 + 0.00/E CH-S 602 + 000/03 ×L 632 -00060 ×L 632 11:41+ 0.830E 0m3/H 698 + 0.000E 64/3 808 +03000 /L 688 -03008 1L 808 11:42+ 8,000E 043-H 89R + 0,690E 04/3 89R +03800 4L 00R -00300 4L 00R 11: 43 0.000E 8:13-11 607 4 0.000E 8:13-11 607 +03003 *L 607 -03333 *L 607 11:441 0.030E 2:13/H 00R 0.000E 2:1/S 00R +03030 1L 00R -03030 1L 00R 11:45+ 0.0000 0:13/H 003 + 0.0000 0:1/S 008 +00000 +1. 008 -60030 +1. 008 11:454 0.0002 0137H 008 0.0002 5175 008 +00000 1L 668 -00000 1L 008 11:47+ 0.0002 013-H 008 • 0.0006 01-5 008 • 00000 4L 008 • 00000 4L 008 11:45+ 0.8000 013-11 008 + 0.0000 011-3 008 +00000 +L 608 -00000 +L 608 11:49+ 0.000E 013/H 00R + 0.600E 013/H 00R + 0.600E 012-8 00R + 00000 11 00R - 00000 11 06R (1:50+ 0,6005 013/H 668 + 0,6005 61/5 668 +00005 #L 668 -00063 #L 698 11:51+ 0.000E 013-1 00E + 0.000E 013-1 00E + 0.000E 01-5 00E + 00006 +1 00E - 00000 +1 00E 11:52+ 0.000E 203-H 00R + 0.000E 201-S 60R +00000 +L 00R -60000 +L 60R 11153+ 0.0096 043/H 60R + 0.0006 04/5 00R +00000 +L 00R -00000 +L 00R 111544 0.000E 0413-H 008 + 0.000E 0415 008 +00000 1L 008 -00000 1L 008 OUTER DIAMETER PIPE MATERIAL WALL THICKNESS 3.50 NN HATER LINING 7 NO LUNG. KIND OF FLUID WATER SENSOR HOUNTENS TYPE OF SENSIR ? SMALL data diange 7 ND SPACING HIV Jawad Bakery (2) OUTER DIADETER 25.0 64 PIPE MATERIAL ? CS-SS VALL THECKNESS 2.20 BM INNER LINING P NO LINS. KIND OF FLUID 7 NATER SENSOR MOUNTING TYPE OF SENSOR 7 SHALL DATA CHANGE 2 NO SPACING 0.00 BN U DAMPING SET 64-00 HH: 51 05-17 12:43 DAMPING SET 83 SEC SERO NOOE CLEAR ZERO NODE CAL ZERO ZERO NODE CLEAR ZERO MODE CAL ZERO ZERO NODS: AUT ZERO NODE SELECT OATA SET HODE ? CUT DEF CUT OFF DATA

NODE SELECT DATA SET DATA SET BODE > FACTOR SCALE FACTOR INTEG UNIT *L INTEG START DTVA START FINE 05-17 12:52 OPERATION TIME 99 HOR PRT PERIOD 01 BIN PRT UNLT M3/H VES PRT UNIT H3/K NO PRT UNLE 11375 NO PRT UNLT HAS VES PRT UNIT INTEG VES PRT UNIT ALL NO PRT UNIT AL2 START TEME 05-17 12:52 OPERATION TIME 99 NOR 12:57: 8.03% \$73.4 034 • 0.03% \$75.034 • 0.03% \$1.004 • 00933 \$1.004 • 00933 \$1.004 12:53. 0.0000 073/H 00H • 0.0000 67/5 00H +00000 +1 00H -00000 •L : 69H \$2:54+ 0.0330 бл3∞H 0∂H 0.0336 бл3∞H 0∂H +00030 NL 02H -03983 NL 03H 12:55: 0.0026 64374 604 • 0.0036 6475 601 • 0000 % 004 • 0000 % 004 12:55* 0,0006 013-18 008 • 0,0006 01/5 008 • 00000 *L 009 • 00000 *L 009 12:57+ 0.0000 013/H 03H • 0.0000 01/S 00H • 00023 =1. 03H • 00033 =1. 03H 12:53+ 8.0020 013/H 00H + 0.0020 01/S 00H +00000 1L 00H +00000 1L 00H +00000 1L 00H 12:59: 0.8995 843/4 894 • 0.8995 84/5 894 • 00800 1. 804 • 00800 1. 804 • 00800 1. 604 DADPING SET HGG KAZERO 3669.0 •06:22 HGG ZAZEO 2669.6 • JIEO ZAZEO 2669.6 JIEO 20000 • HGC J• 66000

05-17 13:0288 4H ♦ € 01/5 PRT PERIOD 05 - BIN PRT UNLE HISHN VES PRT UNIT H37H NO PRI UNIT 53/5 PRT UNIT HAS VES PRT UNIT INTES VES PRT UNIT AII NO PRT UNIT AT2 13:01+ 0.0000 01/3/22 02:0 + 0.0000 01/5 09:0 +02000 %L 00:0 -02000 %L 00:0 START TIME 86-17 13:65 OPERATION TIME MODE SELECT DATA SET DATA SET MODE ? CUT OFF CUT OFF DATA Car 13:05: 0.030E 883/H 828 + 0.690E 885 668 +23333 +L 622 13:10: 0.0322 0.574 022 : 0.0325 0.575 022 : 0.0223 12 037 - 0.0230 12 037 - 0.030 12 037 13:15+ 8.0000 8132H 007 + 8.0000 91 007 + 8.0000 91 007 13:23+ 0.0000 0.37H 004 + 0.0000 047S 004 + 00000 FL 004 - 00000 FL 004 13:25+ 8.600E 613/X 637 + 8.600E 87/S 637 + 80809 +L COR - 8083 +L COR 13:33+ 0.220E 8737H 82H + 0.220E 8775 82H + 29323 +L 823 - 66233 +L 623 13:35+ 0.0236 64324 634 + 0.0236 6425 638 + 0.0236 41 634 - 02008 41 624 13:45. 0.6936 84378 684 • 0.6936 8475 684 • 6009 10 688 • 6009 10 688 • 6009 10 688 13:501 8.8606 64378 683 • 9.6838 8475 838 • 60888 11 838 • 60888 11 838 • 60888 11 838 13:55. 0.0226 053-8 022 . 0.2222 2655 228 . 0.2222 2655 228 . 0.2223 1, 022 . 0.2332 26 . 0.23322 1, 023 Al-Hikma Hospital OUTER DIAMETER PIPE NATERIAL MALL THEORYESS 1.80 MM HERER LINDAGT KIND OF FLUID SENSOR MOUNT (NG TYPE OF SENSOR DATA CHAUGE SPACING HN U MH-00 HH: 101 06-17 11133 NAMPING SET ZERO HODE CLEAR ZERO HOCE CAL ZERO DANPING SET ZERO HONE ELEAR ZERD MODE . CLEFR ZERO HOOE CAL ZERO ZERO MODE AUT ZERO NOOE SELECT DATA SET DOCE ? CUT OFF CUT OFF DATA 1001 NCCE SELECT TIPUT NODE SELECT DATA SET

Jawad Bakery

14:03+ 0.0205 013/H 00H + 0.0385 01/S 034 + 02000 PL 02H - 20920 PL 02H

(4:85+ 0.0085 ba3/k bar + 0.0085 ba3/k bar + 80085 bl 832 - 83383 bl 832

14:10* 0.0000 0737H 00H + 0.0000 0775 00H +00000 *1 00H -00000 *1 00H

06-17 14:1200 • 0.000E 0H/S

86-17 14:1200 • 0.000E 01/5

86-17 14:1283

(continued)

DATA SET HOLE SCALE FACTOR OUTER DIAMETER PIPE MATERIAL NALL THICKNESS THER LINING KIND OF FLUID SENSOR HOUNTING TYPE OF SENSOR DATA CHANGE SPACING D. OD KN V INTES UNIT INTEG START PUTO START TINE 06-17 11146 OPERATION TIME 99 HOR FRT FERIOO 01 MIN FRT UTIT H3/8 YES PRT UTIT H3/8 PRT UTIT H3/8 CH CH FRT UNIT N/S VES PRT UNIT INTEG FRT UNIT ALL HD PRT UNLE AL2 NO START TIRE 06-17 11147 GREEATION TIME 9 HOR 11:474 2.75(E 013-H 00H 1.145E 01-5 00H + 00047 *L 00H - 0000 *L 00H 11:45+ 2.796E 0:13/H 00H + 1.145E 0:1/3 0:0H + 0:0072 HL 0:3H - 0:0003 HL 0:3H NODE SELECT DEVID OUTER DIAVETER 33.00 Bit PIPE PATERIAL WEL THICKNESS HOER LIHING 7 JO LING. KINO OF FLUID 7 VATER SENDOR HOUNTING TYPE OF SENSOR ? SIVILL CATA CHRRISE 5PAC(145 0.23 161 9 ZERO MODE CLEAR

ZERO LODE CAL ZERO ZERO MODE AUT ZERO INTEG LALT INTEG START OPERATION TIME 05-17 1115203 *H +00115 *L PRT FERIOO PRT INIT H3-H PRT UNIT H3/H PRT WHIT H3-S PRI UNIT HAS PRT UNIT INTEG PRT LENT ALL NO PRT UNIT AJŻ NO START TIME 06-17 11254 OPERATION TIME 11:54+ 2.664E 0937H 008 + 1.467E587S 0394 - 10:0397 11 008 11153+ 3.040E DASH BOR + 1.358E GHAS FOR +00089 +L OOR -00000 +L BOR 11156 1.7060 0134 008 0.7020 0148 008 +00149 1L 008 +00100 1L 008 11:57+ 1.7518 013-74 008 + 0.7828 01-8 008 +00170 7L 008 -00000 7L 008 11:53+ 1.153E 043-H 63R + 0.513C (4:5 60R + 00193 +L 60R - 00000 +L 60R 11:59: 1.728E 003/H 008 0.763E 005 008 +05217 HL 008 -05000 HL 605 12:03+ 2,0136 0424H 098 + 0,0396 04-5 098 +00243 4L 608 -00000 4L 668 12:01+ 2.297E 0434H 00R + 1.025E 045 00R +00281 1L 00R -00000 1L 00R 12:02: 1,6888 8:13-21 008 0,7518 0:1-3 008 -00311 1L 608 -00000 1L 608 12:03+ 2.1655 0437H 00R + 0.9675 0425 00R +00342 41* 00R +0000 41 00R 12:04+ 2.400E 013/4 00H + 1.672E 013/4 00H +00381 +L 00H -00000 +L 00H 12:05: 3.920E 0:13/H 00R + 1.757E 0:1/S 00R +00123 1L 00R -00000 1L 00R 12:06+ 3,923E 043-H 00H + 1.752E 04-S 00H +00453 +L 00H -00000 +L 00H

12107+ 3.923E 0m3/H 60H + 1.752E 0H/S 00H +30553 /L 60H -00000 /L 00H 12183+ 3.923E (M3-3) (OA + 1.752E (M4-5) (OA + 50224 1L - 00000 +L (OA - 00000 +L (OA 12:03+ 3.923E 003/K 00H + 1.752E 001/S 00H +00553 1L 00H -00000 1L 00H 12:10: 3,925 003/H 00H + 1,7575 00/S 00H + 50755 4L 00H - 00000 4L 00H 12:11+ 1.278E 013/H 008 0.571E 01/S 008 +00752 +L 008 -00000 1L 008 12:12: 1:2785 043-44 034 4 0:5715 04-5 034 403313 4L 034 -03000 4L 034 12:13+ 1.2786 0:13-H 00H + 0.5716 0:1-5 00H +00335 H 00H -00000 +L 00H 12:14+ 1,2785 043/H 684 + 0,5216 (41/5 804 +00356 HL 00H -00000 HL 534 12:15: 1.270E 2:13-H 20H 0.571E (12-5 00H 200327 1L 00H -60000 4L 04H 12:16 1.2786 0134 004 0.5716 015 004 00398 4L 004 -00000 4L 004 12117+ 1.2788 00344 004 + 0.5718 043-5 004 + 05920 4L 004 - 50000 4L 004 12:18+ 1.278E 043-H 06H + 0.571E 04-5 06H +00941 HL 00H -00000 HL 00H 12:19: 1,2786 003/H 60H 4 0,5716 01/3 00H +00962 *L 60H -00000 *L 60H 12:20+ 1.2766 0H3/H 09H 0.5716 0H/S 00H +0.5716 0H/S 00H -00508 M 00H 12:21+ 1,2788 0H3-H 60H + 0,5718 0H/S 60H +01005 M 00H -00000 M 60H 12:22+ 1.2736 04378 034 + 0.5716 (41/5 034 +01036 1L 038 -03000 1L 034 12:23+ 1:2768 003/41 004 + 0.5718 00-5 004 +01045 1L 004 -00000 1L 004 12:24+ 1.278E 003/8 608 + 0.521E 00/8 608 +01069 4L 008 -00060 4L 008 12:25. 1.278E 043/H 90H . 0.571E 045 094 +01000 10 004 -00000 10 004 12:26+ 1.278E (437H 00H + (0.571E 045 00H +01111 4L 00H -00000 4L 00H 12+27+ 1.278E 0437H 06H + 0.57LE 041-5 05H +01153 1L 05H -05000 1L 05H 12:28) 1.278E 043/H 054 0.571E (41/3 (64) 01154 /L 604 -(6600 /L 604 12:29: 1,2786 0:03/H 60H • 0,5716 (41-5 60H • 61175 M 60H • 60175 M 60H 12:39: 1.2786 043-4 054 + 0.5216 045-5 054 +01197 +L 054 -05000 4L 054

12:31+ 1.2766 013-H ON + 0.5716 01-5 OH +01210 +L ROH -65000 +L ROH 121326 1.2766 01374 004 + 0.5716 0105 004 +01233 4L 004 -00030 4L 004 12:33+ 1.2786 643-4 004 • 0.5716 044-5 004 • 01261 4L 004 • 06000 4L 004 12: 34+ 1,2788 86374 804 + 0,5718 0675 804 +81282 *L 804 -85003 *L 804 12+35+ 1,278E 643/4 604 + 6,571E 64/5 604 +81303 4L **** 604 -60000 4L 604 12:36+ 1.2755 (413-74 004 + 0.5715 (41-5 604 +01324 N. 604 -65600 N. 004 12:37+ 1.278E 8:37H 80H + 9.571E 0:12:5 80H +81346 *L 60H -88000 4L 60H 12:38+ 1.276E 2037H 20H + 0.571E 001-5 26H +01367 +L 03H -28000 +L 03H 12:394 1.278E BR3-H BBH 4 0.571E GH-S GGH +01328 H BBH -00000 H BDH 12:40: 1.2785 603-71 603 • 0.5715 60-5 000 +01410 41 604 -09000 41 664 12:41+ 1.2788 843-4 808 + 0.5718 045-5 804 +31431 *L 668 -05000 *L 608 12:424 1.2785 043/4 004 0.5716 041/5 004 401452 41 004 -09000 41 094 12:44+ 1,276E 043-H 00H + 0.571E 04-S 60H +01495 VL 00H -00000 4L 00H 12:45+ 1.276E 043-H 00H + 0.571E 04-S 00H + 01516 1L 00H -00000 1L 6/H 12:454 1.2788 0H3/H 694 + 0.5718 6H/S (444 +01537 /L 694 -09000 /L 60H 12:47+ 1.2786 043/41 004 0.5716 04/5 044 +01559 +L 004 -00000 +L 004 12:434 1.2788 8:13/H 00H + 0.5718 (N/S 60H +01580 NL 00H -(NO)00 +L 00H 12:49+ 1.2285 013/H 60H + 0.5715 01/S 06H + 01551+L 00H -00000+L 00H 12:51 1.272E 013-11 034 0.571E 014-5 054 +01614 11 054 -00000 11 054 12:524 1.228E 013-41 004 + 0.521E 04-5 054 +01665 42 054 -05000 42 054 12:53+ 1.2786 013-78 604 0.5716 0153 004 +01687 4L 604 -00003 4L 004 12:541 1.2785 0534H 004 0.5716 (11-5 054 101763 11 204 -03100 11 004

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		PRT UNIT ALI No	11:17+ 4.220E 843-H 882 • 4.193E 84-5 832	11137+ 0.303E CH3/R 078 + 0.142E 04/5 048	11:22. 8.500E 842.4 854 • 8.50E 842.2 854 • 8.50E 842.2 854
	Qasr Shbeeb	PRT UNIT AIZ	•04278 ¥L 032 -04223 4L 032	+89170 ×L 804 -89330 ×L 807	ન્ડેરેડેડેએ થી છેડેર -ડેટેડેડેએ થી છેડેર
	• •	CH.	11:18+ 0.265E 813/# COR	11:38+ 0.247E 033/H BOR + 0.116E 03/S 00R	18:58+ 9.223E 0137H 002 + 9.123E 01/5 002
		START VENE 06-21 11:20	* 9.124E 0.7/5 83R +03382 *L 0.5R -03023 *L 03R	423174 0L 032 -83220 0L 032	+03254 ×L 838 -08800 ×L 838
		OPERATION TIME 99 NOR	11:19+ 0.318E 0737H 03R + 0.149E 07/5 08R	11:39: 0,2735 0/3/H 00R + 0.1285 0/1/5 00R	11:57+ 0.2678 8:37H DOR + 9.1268 8:1/5 8:37
	VALL	11:03+ 8.273E 0N3-H 00R -B-120E-0N/S 00R	+00037 *L 402 -00003 *L 803	+83179 *L 838 -86339 *L 838	+ 39258 +L & &R - 39258 +L & &R
	3.03 SNIER LIHING	•00023 •L •00R -00020 •L •00R	11:28+ 8.333E 8N34H 89R + 0.156E 8N/S 00R	11×49+ 0,2376 673-8 632 + 0,1116 68-5 692	12:23+ 0.2592 04378 037 • 0.1265-0478 038
		11101 - 0.243E 0437H OUR	+96933 •L 665 -69593 •L 665	+93153 +L 03R -83260 +L 832	- 29273 +L 908 - 2908 +L 988
	? VATER	+60004 •L 00R -80028 •L 00R	11:21+ 0.207E 0.13/H 087 + 0.897E 81/5 088	11:41+ 0.2066 053/K 00R + 0.1346 05/5 038	12:31- 9.2595 0.374 000 • 9.1265 0.475 000
	Sensor nounting 7 V	11:02+ 0.314E 633/H COR + 0.147E 64/5 COR	+0097 *L 00R -0093 *L 00R	+69188 >L 655 -855 2+ 655	•?#277 *L 638 -#2923 *L 638
	TYPE OF SENSOR	+0903 +L 00R -0008 +L 00R	11:22+ 0.282E 013/8 092 + 0.132E 84/5 092	11:42+ 0.273E 013/H 80R + 0.128E 01/S 60R	
	DATE CHANSE	11:01+ 0.2996 04378 008 + 0.1406 04/5 008	+99191 *L 60R -60869 *L 60R	+03192 +L 00R ~08000 +L 08R	
:	SPACING	+23913 *L Cúr -2?228 +L Cúr	11:23+ 0.299E 083/8 00R + 0.140E 08/5 00R	11:434 0.256E 013/H 00R 4 0.120E 01/S 00R	
	1.52 na v na-do raiv	11:24+ 0.256E 0137H 00R + 0.120E 0175 00R + 2010 +L 00R	+00105 *L 00R -00000 *L 00R	+29197 *L 00R -83928 *L 00R	
	65-21 10:54 Damping Set	-00003 #L 8580	11:24+ 0.211E 683/H 00R + 0.699E 08/S 00R	11:44+ 0.2698 0:378 037 + 0.1268 0:1-5 0:37	,
	81 SEC	11:265+ 0.2436 04378 608 + 9.1146 9475 608 + 80923 *L 692	+00111 +L 832 -0033 +L 032	+89231 •L 802 -00000 •L 808	
	MODE SELECT DATA SET	+89433 *L 892 -D9959 *L 892	11:25+ 0.247E 0437H 407 + 0.116E 0475 808	11:45+ 0.273E 043/8 008 + 0.128E 04/5 00R	
1	CATA SET HODE ? PRINTER	11:06+ 0.2998 033/H 00R + 0.1408 08/S 00R +89927 #L 00R	+00115 ¥L -022 -02200 ¥L -022	*89285 *L 807 -28283 *L 882	-
	PRINTER USE ? VES	-56053 #L 058	11:26+ 0.247E 0.37H 00R + 0.116E 0.475 02R	11:45+ 0.284E 843/K 83R + 0.133E 84/S 89R + 88218 +1 89R	
	40 HODE CLEAR	11407+ 9.314E 8N3/H 80R + 9.147E 8N/S 88R +83332 #L 888	•07120 •L 838 -82893 •L 838	-8559 *L \$58	
	ZERD HODE	-82820 #L 892 11:88+ 9.237E 68378 892	11:27+ 0.252E 013/8 80R + 9.118E 84/5 80R +09125 +L 80R	11:47+ 0.399E 813/H 802 4 0.145E 81/5 802 +80214 +1 802	
	CAL ZERO	+ 0.11LE 04/5 00R + 00.11LE 04/5 00R +00035 *L 00R	-09609 +T 6686-	-63600 ×L 695	
	DATA SET	-28883 %L 088 11:894 0.2566 07378 088	11:23* 0.237E 87378 032 * 0.111E 8775 832 *83130 *1 802	11:484 0.284E 013/H 00R 4 0.133E 01/S 00R 400219 H 00R	
	DATA SET NODE ? CUT OFF	+ 0.120E 68/\$ 08R +03841 #L 68R	-66659 M 668	-20000 +L 200	
	CUT OFF DATA 031	-00000 +1 00R	11:29+ 0.307E 0737H 00R + 0.144E 07/5 00R +08134 FL 09R	+ 8.1596 85/8 807 + 80223 •L 807	
	NODE SELECT DATA SET	+ 8.114E 85/5 80R +23045 %L 80R	-859 AF 6668-	-22220 •L 822 11158+ 8.2375 673/# 632	
	CATA SET MODE ? FACTOR	-88888 ×L 008 869 K/Kr9 38269-	II:30+ 8,288€ 673/H 63R + 9,135€ 67/\$ 63R +63139 € 63R	+ 8.111E 61/S 832 +00228 +L 802	
	SCALE FACTOR	• 0.1596 0H/S COR	-03959 *L 638	-60000 HL COR	
	LOB.03 × Integ unit	11:12+ 0.232E 653/H 89R	+03143 ×L 032	+20232 +1 038	
	•L	+ 0.137E 01/5 EOR +03354 +1 032	-06559 M 668	-83003 +L 802 11:52+ 8.2+76 933/H 802	
		11:13+ 0,269E 073/H DOR	+ 0.147E 05/5 202 +00143 +1 032	 ● 8.116E 84×5 003 +09237 ●L 003 	
	1881 16=E 96-21 11=CJ	• 9.126E 01/S 028 •00059 •L 028 -00200 •L 028	-00200 +L 002 11:33+ 0.262E 073/# 002	-003 +L 00559 909 K1:53- 0.2756 073-X	
	SOPERATION TIME	11:24+ 0.318E 073/H 00R	+ 0.123E 884/5 69R	• 9.1285 01/5 002 •00241 •L 002 -00203 •L 002	11 II
	PRT PERIOD BL	• 0-1495 0:1/5 00R •00054 •L 00R -00000 •L 00R	11:34+ 0:243E 0:3/H 00R	11:54+ 0.2528 983/8 842	
•		61:15+ 9.2376 683/8 698 + 0.1916 68/5 608	+ 03156 +L 03R	• 0.1188 0075 007 •09246 •L 093 -09330 •L 093	
	P21 0911 83/8	*09055 *L 00R -89820 *L 898	11:35+ 0.277E 0437H 80R		
	PRT UNIT #3/S	11:16+ 0.289E 083/H 00R + 0.135E 08/S 00R	869 Je 6560e	+ 09250 +L 092 - 02093 +L 028	
	BO PAT UNIT M/S	+83373 +L €97 -83833 ×L €87		(1156+ 0.2692 64378 808 + 8.1262 645 658	
	YES		+09165 ¥L 85₹ -88809 ¥L 88₹	1605222 694	
	TRE UNLE ENTES				
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10:15: 0.1312 013/H 000 0.0322 011/S 000 00303 1L 000 -00253 1L 000

10:16+ 0.112E 0:37H 006 + 0.054E 0:125 008 +00005 +L 008 -00059 +L 008

10/17+ 0.0588 003/4 038 + 0.0588 00-5 008 +00005+L 008 +00005+L 008 +00005+L 008

102394 0.0718 043-34 058 0.0358 041-5 058 400045 41 058 -60239 41 058

10:43- 0.1465 013-H 008 - 0.0665 045 008 +00017 4L 0/8 -00259 4L 008

10:414 0.1192 063/H 008 0.05/E 041/S 008 +00043 42 008 -00230 41 008

10:42: 0.0888 003/0 008 0.0008 001/5 008 0.0008 001/5 008 0.00051 01 008 0.00053 01 008

10:434 0.12:E 013/H 0:# 4 0.057E 014/S 0:# 40:052 HL 0:# -00233 HL 0:#

19744+ 0.0888 0012-0 008 • 0.0408 001-5 008 • 00034 1L 008 • 00039 1L 008

10:454 0.1005 04344 008 + 0.0435 0475 058 +00036 4L 658 -00039 4L 658

10:45+ 0.1455 (44374) (44 + 0.0575 (41-5 0)7 +00753 (1. 638 -00239 (1. 668

10:47+ 0.0736 0013-91 006 + 0.0336 001-5 006 +000009 4L 006 -00232 4L 006

10:48+ 0.097E 002-H 000 10:48+ 0.097E 002-H 000

10:50: 0.032E 0.1324 6.9 0.037E 0.125 0.18 100065 11 0.9 -60239 11 0.9

10:51+ 0.035E 0437H 009 + 0.016E 04 5 009 +000027 12 009 -00025 12 009

10:52+ 0.030E 043-H 006 + 0.077E 041 \$ 006 400029 H 006 -00239 H 006

16:53+ 0.0020 0037H 008 + 0.007E 00-5 008 +00000 HL 008 -00003 HL 008

10:540 0.04:E 0:3741 0:8 0.02/C 0:4-5 0:8 +0:02/2 1L 0:9 +0:02/2 1L 0:9

19:55: 0.0558 010-38 009 • 0.0258 001-8 009 • 00074 4L 009 • 00033 4L 009

10:554 0.0556 (413-1) (46 0.0256 (41-5 (46 0.05075 AL (47 -(40239 AL (47)

10:52. 0.03/6 (413-11 0/F 0.0256 (413-11 0/F

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10:53+ 0.0316 043-H 609 • 0.0116 041-5 606 • 00079 +2 609 • 00029 +2 609

(0:59) 0.8418 00004 000 + 0.0006 00 5 000 +00001 0. 000 +00001 0. 000

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+000052 #L -00239 #L

VALL THICKNESS 10:18: 0.13/E 013/H 008 + 0.05%E 01/5 008 +00003 11 008 -0025% 11 008 03:55- 0.693E 013-11 008 0.713E (41-5 008 +00090 4L 008 -00095 4L 008 SANNE INTER CIUDIS 7 HO CIUS. 10:19: 0.077E 013-H GGR 0.035E 04-5 00R +00009 4L 60R -00239 4L 60R 09:56-0.6696 (413-4) 008 - 0.3006 (84-3 008 +00000 ¥L 008 -00066 ¥L 008 KIND OF FLUID 2 VATER SENSOR HOURTING 09:57-0,6736 643/4 608 -0,3046 64/5 608 400000 46 608 -00078 46 608 101201 0.0688 04324 008 + 0.0208 0425 008 +00011 1. 608 -00233 1. 608 TYPE OF SENSOR 09:53- 0.6356 04378 008 - 0.3146 04/5 008 40000 4L 008 -00090 4L 008 10:21+ 0.130E 013-X 00R + 0.052E 012-X 00R +00013 XL 00R -00239 NL 00R DATA CHANGE +00000 4L +00090 4L 5PAC105 2.05 MI V 10:22+ 0.155E 043-H 008 + 0.070E 04/5 008 +00015 /L 608 -00237 /L 608 09:37-0.642E 04344 068 - 0.256E 04-5 068 - 60000 41 058 - 60000 41 058 141-00 101:141 05-21 09:44 danjing set 91 sec 10:23+ 0,12% 043/41 600 + 6,6572 0425 000 +00017 4L 000 -00239 4L 000 10:00- 0.651E (M3/K) (08 0.294E (M/S 608 400000 1L 608 -00112 4L 608 ZERO HÓDE CLEAR 10:01+ 0.613E 643-44 008 0.277E 04-5 608 +00000 4L 068 -00123 4L 008 10:24+ 0.0736 0:3/H 008 + 0.0356 0:4/S 008 +00013 HL 008 -00233 HL 008 ZERO HODE CAL ZEPO +00000 #L -00123 #L MORE SELECT DATA SET 10:25+ 0.115E (432/H 508 + 0.052E (41/3 608 +00020 H, 60E -60233 M, 60R 10:02- 0.615E 003-51 00R 0.273E 00-5 00R +00000 PL 00R -00133 PL 00R DATA SET HOSE 7 CUT OFF CUT OFF DATA 10:264 0.0688 04344 006-+ 0.0318 0445 036 +00022 HL 006 -00239 HL 006 10:03- 0.8428 GN3-4 098 - 0.2508 GH25 098 +00000 NL 098 -00144 NL 098 NCCE SELECT DATA SET 10:27: 0.1356 01344 008 0.0616 04/5 008 +00024 4L 008 -00253 4L 008 10:04- 0.654E PM3/H 008 - 0.309E (44-S 648 +00000 HL 648 -(0155 HL 648 DATA SET NOCE SCALE FACTOR 10:05- 0.651E 643-4 608 0.294E 64-5 608 +60000 4L 608 -60166 4L 608 10:28+ 0.058E 012-H 008 • 0.040E 01-S 008 • 00026 HL 008 • 00025 HL 008 INTES URIT INTEG START AUTO 10:06- 0.589E 043-41 008 - 0.263E 0123 038 - 40000 4L 038 - 60177 4L 658 10:29: 0.0535 013/H 006 • 0.0405 01/S 006 • 00028 H. 006 • 00023 H. 006 START TIME 06-21 09:50. 10:07-0.664E 0037H 008 -0.307E 00-5 008 -00000 1L 008 -00183 1L 008 10:30+ 0.1158 (413/H 008) + 0.0528 (41-S 008) +00000 /L 008 +00000 /L 008 REFERENCE HOR FRT PERIOD 10:31+ 0.1045 013/H 008 + 0.0475 01-5 008 + 00031 HL 009 -00059 11 008 10:03- 0.569E (4024) (409) - 0.257E (445) (409) -(4000 (4) (409) -(40193 (4) (409) -(40193 (4) (409) FRT WILF M3/H YES 11261 TENJ 17341 110 10:32: 0.1048 003-H 008 0.0478 00-5 008 +00033 1L 008 -00233 1L 008 10:09-0.651E 013/H 00R - 0.294E 01/S 00R - 00000 4L 00R - 00009 4L 00R रही प्रधार 83-5 (6) 10:33+ 0.6580 013-H 006 + 0.0406 01-3 606 10:10- 0.6426 04328 046 0.2906 0425 048 40000 41 048 40000 41 048 ert unit has FRI UNIT INTES +000055-4L +000055-4L +000055-4L 005 LET MILL VES (0:11- 0.6365 002/H O.E - 0.2785 00/S 008 +00000 41 008 -00231 41 008 10:347 0.0026 00378 008 • 0.0776 00-5 006 80 FRT UNIT AT2 10 *00032_FL *00233_FL 000 START TUE 06-21 03:59 10:12- 0.127E 012-H 66R - 0.000E 01-3 66E + 00000 4L 66E - 00207 4L 66E OPERATION THE 90 HOR 09:50: 0.1208 01248 008 • 0.0578 0148 008 • 00000 10 008 • 00000 10 008 10:13+ 0.1858 013/H 008 + 0.0358 01/5 008 + 0.0358 01/5 008 + 0.0501 HL - 008 + 0.0208 4L - 008 10:25: 0.1156 (43/4) 009 - 0.0542 (41/5) 009 - 000542 (41/5) 009 - 00053 (41 - 009 - 00053 (41 - 009 10:14- 0.1446 0:0374 009 - 0.0656 (44-5 009 - 00002 11: 009 - 00253 11: 009 10:37+. 0.637E 00248 008 + 0.042E 02:5 009 +00032 0. . . 058 -00233 0. . . 008 07:5)- 0.65+E 013-H 008 - 0.507E 01-5 008 +00000 H. 008 -00012 H. 608

07:52- 0.6946 (43/4) (478 - 0.3096 (41/5) (478 - 0.000) 41 (478 - 0.000) 41 (478 - 0.0002 41 (478

09:53 - 0.6368 00044 008 - 0.2378 005 008 +0.000 11 008 -00033 11 008

63:54- 0.668E 013-11 00R 0.502E 01-5 00R +0.000 1L 00R -00014 1L 0.5

.St. Joseph

~ 0.705E UN1-71 OUTER DIANETER -

PIPE HATERIAL

111014 0.0020 003.41 000 1 0.0240 001-5 000 100034 11 000 -00233 11 000 11:02: 0.6:2E 043-8: 0.6 • 0.0:02: 01-5 02: • 0:00:5 NL 02: • 0:02:3 NL 02:

11/03+ 0.0756 043/44 6/4 • 0.0436 04/5 04/5 •00036 +0 06/6 •00036 +0 6/6 11×04+ 0.0978 (M3/H COR + 0.0448 (M1-5 COR +00082+4L COR +000239 4L OOR 11:05+ 0.135E 003-0 05R + 0.051E 005 005 +000239 11 00R +000239 12 00R +000233 st +00233 st 111051 0.0255 04378 005 0.03355 0425 008 100031 11 008 -00239 11 008 11:07* 0.1008 013-14 008 + 0.0596 011-5 008 +00092 +L 008 -00239 +L 008 111034 0.077E 013-H.008 • 0.035E 011-5 008 •00054 4. 008 •00239 4. 008

85-21 H10820 98 -00209 NL 06-21 11:0800 FR

INNER LIHIHG 2 BORFAR		
LING. THICKNES \$.09 MM		:
KIND OF FLUID 7 VATER		
SENSOR BOUNTING	-	
TYPE OF SENSOR ? SHALL		
DATA CHANGE 7 NO		
SPACING 267.12 BN U		
67-13 10:23	;	
DAMPINS SET B3 SEC		
NODE SELECT Data set		
DATA SET HODE ? CUT OFF		
CUT OFF DATA 010		
MODE SELECT Data set		
DATA SET NODE 7 Factor		
SCALE FACTOR 100.00 %		
18165 UNST 483		
INTES START BUTO		
START TIME 67-13 10:31		
OPERATION TIME 59 NOR		
PRT PERIDO IS MIN		
PRI UNII MJ/H VES		
PRI UNIT M3/M		
PRT UNIT M3-S		
PRT UNIT A-S VES		
PRT UNIT INTEG YES PRT UNIT ALS		÷
PRT UNIT AL2	•	
N) STAPT TINE	÷	•
07-13 10:31		
OPERATION TIME		

Khaw-Zarga

OUTER DIARGTER

PEPE MATERIAL

I WALL THICKNESS

1 B.M

7.69

P.

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19:31+ 19.3466 20378 834 + 4.9736 9075 834 + 89036 403 804 - 88038 403 804 - 88038 403 804 07-13 10:4308 48 + 10.479E 283/8 07-13 10:4300 + 4.0535 81/5 07-13 10:4300 #R +09214 #N3 07-13 (0:4300 *R +092.48 % A12 07-13 18:4300 PR +002.40 % A12 10:46+ 10,3912 2437H 00R + 4,0132 0475 Cor +03261 +83 00R -00000 +83 00R 11:14+ 19.450E 243-74 887 + 4.636E 8475 887 +83782 +53 / 668 -86288 +53 887 88782 +53 887 11:31+ 10.437E 2N3/H ROR + 4:031E ON/S OOR + 01043 *N3 COR -00000 *N3 COR 87-13 11:3289 #R + 10,4765 20374 07-13 1113208 42 +207.40 2 612 Hashemeych-Zarga OUTER DIABETER PEPE HATERI~ ? CS: VALE FAICHNESS 4.20 88 ISNER LINING A LING. THICKNES 5.00 MA RIND OF FLUID 7 VATER SENSOR MOUNTENG TYPE OF SENSOR 7 SHALL DATA CHANSE SPACENS 339.27 Nº V 84-00 9H:85 66-27 (0:34 DAMPING SET ZERO HODE CLEAR ZERO MODE CAL ZERO ZERO NÓDE CLEAR ŻERO NODE CAL ZERO

SERO MODE CLEAR ZERO BODE CAL 2ERO ZERU MODE ZERO MOOE CAL ZERO NODE SELECT DATA SET DATA SET MODE 2 CUT DFF CUT OFF OATA NODE SELECT DATA SET OATA SET MODE 7 FACTOR SCALE FACTOR INTEG UNLY 117 INTES START AUTO START TINE 06-27 10:45 OPERATION TIME \$9 HOR PRT PERIOD AL N PRT UNIT #3/H VES PRT UNIT 1637A ND PRT UNIT 8375 No PRT UNIT HAS YES PRT UNIT INTES PRT USET ATE NO PRT UNIT ATZ 80 START TIME 06-27 18:45 OPERATION TIME 99 HOR 10:45+ 6.971E 2837H 802 + 1.648E 0875 802 +88000 *83 802 -00000 *83 802 ZERO MODE CLEAR 2620 8006 CAL 2ERO SERO BODE AUT SERO 10:59+ 6.827E 283/H 604 1 1.614E 08/S 80H +02054 *83 80H -00034 *83 80H 18:55* 6.543E 2N3/K COR * 1.547E ON/S COR *COILO *N3 COR *COILO *N3 COR *COOD *N3 E3* 695 695 695 11:00+ 6.5016 243/# 00R + 1.5566 84/5 00R +00155 #A3 00R -00000 #A3 00R

11145+ 6.5562 24378 688 • 1.5586 64-5 888 • 88228 453 888 • 88228 453 888 11:10+ 7.1486 203/H 880 + 1.6986 80/5 884 + 89276 +83 884 - 88288 +83 884 - 88288 +83 884 06-27 11:1007 * 7.039E 203/H DAMPING SET 03 SEC 06-27 1111300 *R * 6.471E 283/8 11:12+ 6.4716 24374 694 • 1.2306 6475 654 • 489333 +83 894 • 69669 +83 894 06-27 11:160à 6.6498 2H3/8 86-27 11:1680 + 6.653E 2N3/H 06-27 11:1700 #R * 6.666E 2#3/H 06-27 11:1800 *R * 6.725E 243/H 06-27 11:1989 #R + 7.1196 203/8 11+20+ 7.119E 203/H 89R + 1.603E 01/5 28H 54+ 69369+ 26+ 69369+ 26+ 69393+ 00H 88H 06-27 11:2000 +R + 6.987E 253/H 06-27 11:2308 +2 + 6.568E 283/H 05-27 11:2308 +R + 6.560€ 2H3/H 11:25+ 6.568E 2N3/H COH + 1.551E CH/S COH +00445 +83 **ө**өн еән 85-27 11:2683 *R +83465 *B3 06-27 11:2700 1R + 6.619E 243/8 86-27 11:2000 *R + 6.518E 2N3/H 13:38+ 2.0346 2037H 002 + 1.6566 8075 032 +80501 *N3 038 -02883 173 088 11:35+ 6.6198 243/X 604 + 1.5658 64/5 684 +60558 +83 880 -65659 +33 €3il 86-27 11:3800 +R + 6.670E 203/N 11:48+ 7,1526 2#3/# 608 + 1.6916 6#/\$ 608 +80615 *N3 628 -88888 *N3 638 06-27 1114368 100555 +N3 86-27 (1:4483 +H 122668 +NS 11:45. 6.577E 2537H 68H 1.555E 8M/5 62H +89672 *N3 68H -89803 4N3 68H

OUTER DIAMETER 154.2 MB PIPE MATERIAL ? CS-55 VALL THICKNESS 4.88 65 INNER LINING 7 NO LINS. KIND OF FLUID VATER SENSOR BOUNTERS TYPE OF SENSOR DATA CHANSE RO SPACERS 197.11 KÁ V 88-00 RH:88 86-27 12:44 DRAPTHS SET 03 SEC ZERO BODE CLEAR ZERO MODE CAL ZERO ZERO HODE CLERR ZERO HODE EAL ZERD ZERO HODE AUT ZERO NODE SELECT DATA SET DATA SET BODE CUT OFF CUT OFF CATA HODE SELECT DATA SET DATA SET MODE 7 FACTOR SCALE FACTOR 100.00 - 2 ENTES DHIT INTEG START AUTO STARE TIRE 06-27 12:58 OPERATION TIME HOR PRT PERIOD 11 11 PRT UNIT MJ/H VES PRE USET 53/8 PRT UNIT M3/S NO PRT UHEF MAS

Awajan Well No.21

PRT UNIT INTES AT UNIT ALL NO PRT UNIT ATZ START TEHÉ 06-27 12150 OPERATION TIME HOR 12:59- 0,9026 243/H 608 - 1.4936 64/5 808 +82800 *N3 808 -8880 *N3 888 13:00- 0.9955 2N3/H 028 - 1.4995 0N/S 008 +00208 +N3 008 -66515 183 PER 13:18- 0.887E 2-3-XK 008 - 1.469E 04-5 008 +0000 053 084 -00030 053 088 13:28- 8.8976 203-X 687 - 1.4696 8X-S 688 + 20088 +M3 808 - 68034 +M3 888 13:30- 0.8916 2M3/H 602 - 1.4756 65/5 632 +88826 *53 632 -88859 *53 838 13:49- 0.6965 213-1 898 - 1.4945 64/5 898 +88898 413 888 -20074 4/3 13:58- 8.888E 27378 692 - 1.457E 6475 698 482603 473 628 - 66695 473 628 Well No.18 OUTER DIAMETER PIPE HATERIAL 7 CS.SS VALL THICKNESS 5.09 NA TNHER LINING ? FO LING.

KIND OF FLUID ? NATER

SENSOR HOUNTING

TYPE OF SENSOR ? SMALL

NO 5PAC160 197.16 68 0

DATA CHANSE

58-00 RH: NA 06-08 11:47

OGRPING SET 03 SEC ZERO NODE CLEAR ZERO NODE CAL ZERO NODE SELECT DATA SET DATA SET NODE 7 CUT CFF CUT OFF CATA NODE SELECT DATA EET DATA SET NODE 2 FACTOR SCALE FACTOR 100.08 2 ENTEG UNIT #83 INTEG START START TIRE 86-29 11:53 OPERATION TIME 99 HOR PRT PERIOD 15 NES PRE CHIE N3/H YES PRT UNLT N3/8 NO PRT UNIT M3+S 80 PRE UNIT KAS PRT UNIT INTEG PRT UNIT AIE NO PRT UNIT AI2 NO START TINE 66-28 [1:53 OPERATION TIME HOR 11:53- 3.5316 1N3/K 682 - 8.6165-83/S 682 + 80969 *83 682 - 68898 *83 682 12:03- 3.4506 113/H 008 - 0.6926 01/5 004 - 00020 153 008 -00020 153 008 12:23- 3.427E IN3+R 00R - 0.598E 04+5 00R +09883 VM3 02R -08317 473 E0R 17:38- 3.495E [H3/H BOR - 8.609E 87.5 808 - 88300 #N3 808 - 88306 #N3 808 - 88386 #N3 808 12:53- 3.3416 1m3/8 808 9.5836 84/5 808 42003 483 808 -68034 483 808

Booster No.18 -OUTER DIANETER PIPE NATERIAL ? CS-SS VALL THICKNESS 4.90 BN INSER LINING KIND OF FLUID 2 SENSOR MOUNTENS TYPE OF SENSOR 2 SMALL DATE CHANSE SPACENS Los. 84 N. U RR-DD EH: 63 86-23 12:85 DAMPINS SET 93 SEC JERO NÓDE CLEAR ZERO MODE CAL ZERG NGOE BELECT DATA SET DATA SET HODE ? CUT OFF CUT OFF DATA HODE SELECT DATA SET ORTA SET HODE 7 FACTOR CALE FACTOR 90.00 % HEG UNET RTEG START AUTO TARI TINE -28 12:05 ERATION TIME 001933 T AT UNEE N37H VES RT UNIT N328 NJ RT UNIT 5325 69 PRT UNEF NZS VES PRT UNDE ENTES VES PRE UNIT ALL NO PRE UNIT ALZ 60

12:09+ 18.7445 18374 802 + 1.8645 8475 802 +80223 183 822 -00029 183 802 12124+ 19.6096 103-X 00R + 1.8396 00-5 03R +0026 073 03R -0000 073 00R 12:39+ 10.594E (N3/H 60R + 1.038E 64/S 62R + 80053 *N3 60R -80060 *N3 60R 17:54+ 18.6866 18378 008 + 1.8486 0875 008 + 90079 485 08 -00009 485 008 13:09+ 10.554E (N3-H 622 + 1.331E 0A-S 032 +20106 133 032 -22323 133 022 1A PIPE MATERIAL 7 CSISS KIND OF FLUID 7 VATER SENSOR MOUNTING TYPE OF SENSOR DATA CHANGE 8.1 SPACING LIZ.LA BA V NM-DO HH:HA 06-28 13:25 DAMPING SET 03 SEC ZERO MODE CLEAR ZERO HODE CAL ZERO ZERO HOOE AUT ZERO HODE SELECT DATA SET DATA SET HODE ? CUT OFF CUT OFF CATA 019 NODE SELECT DATA SET DATA SET HODE ? FACTOR SCALE FACTOR

Al-Basateen Well

START TIME

86-28 12:09

OPERATION LINE

DUTER DIANETER VALL THICKNESS IKKER LENING ? NO LING.

Al-Basateen Booster OUTER DIAMETER 162.0 PA PIPE MATERIAL 7 CS-SS VALL CHICKNESS 5.00 hm INNER LENING 7 NO LENG. KIND OF FLUID ? NATER SENSOR NOUNTING TYPE OF SENSOR 7 SMALL DATA CHANGE 7 HQ SPACENG 115.42 na V 83-00 2H:20 85-28 13:48

2600 MODE

DAMPING SET 93 SEC ZERO MODE CLEAR

T

PRT PERFOD NIN PRT UNLT N3/H

YES

ŇФ.

YES.

PRT UNIT H3/H

PRT UNIT M3/5

PRT UNIT NUS

PRT UNIT INTEG YES

PRT UHIT AIS No

PRT UNIT AL2 HO

START TIME 86-28 13:38

OPERATION TIME

HOR

13:39+ 8.7766 2537H 898 + 1.1586 8575 888 +88823 453 888 -88823 453 838 -88883 453 838

13:454 0.732C 2137H 60R 4 1.692E 6475 02R +80018 *N3 03R -60203 *N3 00R

14:80+ 8.7425 273/H COR + 1.1072 68/S 668 +08036 483 668 ---- 415 602

OPERATION TIME HOR

AUTO \$FARE TIME 05-20 13:30

ERTES STARF

INIES UNIT

PIND OF FLUID

SENSOR/MOUNTERS ? 9

TYPE OF SENSOR ? SMALL

·	· · · · ·
MODE SELECT Data set	OUTER DEADETER
DATA SEL NODE	PIPE PATERIAL
? CUT OFF	? CSISS
CUT OFF DATA	KALL THÌCKNESS
BIB	5.19 MM
MODE SELECT	168ER L(N185
DATA SET	2 NO L185
DATA SET NODE	KIND OF FLUID
7 FACTOR	? VATER
SCALE FACTOR 183.83 2	SENSOR MOUNTING
INTEG UNET #N3	TYPE OF SCHOOR 7 SAPLL
INTES START	DATA CHANGE
Auto	7 NO
START 11NE	SPACING
86-28 13:44	121.26 MA U
OPERATION TIME	88-00 XX488
99 HOR	85-29 11:12
PRT PERIOD	DAMPENG SET
15 Alb	03 sec
PRT UNIT NJ/H	ZERO NODE
YES	CLEAR
PRT UNIT M3/M	ZERD MODE
Kå	CAL ZER
PRT UNIT M3+5	NQOE SELÉCT
80	DATA SE
PRT UNIT N/S	DATA SEF HODE
VES	? CUT GFF
PRT UHIT INTEG	CUT OFF CATA
VES	019
FRI UNITALI NJ PRI UNITAL2	ROOF SELECT DATA SE
HO	PATA SET BOOE
START TIME	? FACTOR
06-73 (3114	SCALE FACTOR
Operation time	100.00 2
* HÚŘ	INTEG UNLT 973
13:44 1.101E 283/H 80R 1 537E 44/5 80R (2020) 83 80R (2020) 83 80R	INTEG START AUTO
13:59+ 1.031E 233-8 00R	START TIGE
+ 1.671E 03/5 00R	55-29 11:13
+00027 #73 \$0R	DPERATION TIME
-00008 #73 \$00	99 HOR
14:14+ 1.1945 203/H 002 + 1.6918 00/5 00R +90054 +73 002	PRT PERIOD
-80028 +73 008	PRT UNIT #3-H
14729+ 1.091E 283/H 008	VES
 1.671E 04/5 00R 00931 +53 00R 00931 +53 00R 00800 +53 00R 	RVER TERO TSA DO
	PRT UNIT N3/S K) Pat Job T N/S
05-23 14:3109 98	PRT UNIT M/S
195 28378	VES
412203 *R	PRT UNIT 1816G
*23	VES
65-29 14:3290 +R	PAT UNIT ALL
+00937 9/13	NO
(11:30-11:00	PRT USIT AI2 NO
(166 (1) 11:3528 12	START TIME
(166 (1) 11:3528 12	04-29 11/19
85-28 14:3650 +R	OPERAISON TIME
• 1.7845 973/0	99 HOR
and the second	

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Al-Basateen Booster	Murhib Well No.2	11=
MODE SELECT DATA SET	OUTER DIAMETER	
DATA SET NOCE ? CUT OFF	PIPE PATERIAL ? CS.SS	05. .20
CUT OFF DATA BLB	RALL THICKNESS . S. 19 MM	96 - 90
NODE SELECT DATA SET	INNER L(NINS 7 NO LING	05- 80
DATA SET NODE 7 FACTOR	KIND OF FLUID ? VATER	11:
SCALE FACTOR 183.63 3	SENSOR HOUNTINS	
INTEG UNIT	TYPE OF SENSOR	
INTES START	? SRALL DATA CHANGE	17:
AUTO Start ling	? NO Spacing	·
06-28 13:44 OPERATION TIME	121,26 BA V Ba-àd àscan	15=
99 HOR PRT PERIOD	05-29 11:12 Damping set	
15 MIN PRT UNIT N3/X	BJ SEC ZERO NODE	12:
YES PRT UNIT N3/M	CLEAR ZERD FOOE	65-1
NÓ PRT UNIT N3+5	CAL ZERO HODE SELECT	- 234 62
NU PRI UNIT N/S	DATA SET	00-
VES PRT UNIT INTEG	? CUT GFF	- (
VES FRT UNIT ALL	914	
PRT UNIT A12 NO	ROOE SELECT	furh
1168T TIME 86-73 (3144	PATA SET HODE ? FACTOR	OUT
OPERATION TIME	SCALE FACTOR 100.09 %	169. PIP
409 13:44+ 1.1012 283/H BOR + 1.3372 84/5 808	1NTEG UNIT 973	7 LAL
1 337E 4475 808 (0000) M3 80R (0000 473 80R	INTEG START AUTO	5.1 1124 ?
13:594 1.091E 23/H 00R + 1.671E 03/5 00R	51A91 1105 95-29 11:13	К1н ?
+00027 *73 \$0R -00008 *73 \$00 \$09	DPERATION TIME 99 HOR	500 ?
14:14+ 1,1945 273/8 002 + 1.5918 07/5 002 + 90054 +73 002	PRT PERIOD 15 MIN	15F) ?
-90003 173 00R 147291 1.0316 28348 00R	PRT UNIT N3/H VES	DAT ?
 1.671E 84/5 802 00931 *53 802 00203 *53 802 	PRT U911 N3/N 00	SPA 121
65-23 14:3109 •R 95 243-н	PRT UNIT M3/S NO PRT UNIT M/S	nit- 06- Dác
413209 +2	YES PRT UNIT 1816G	05 264
*73 65-23 14:3200 *R	765 PRT UNIT A11 390	267
1000 17 113	PRT USIT AT?	h90
11-12 11 1369 19 1-12 11 1369 19	START TIME 06-29 11:18	041 ?
(666 (54) 183	14 C	

85-29 11:1688 48 - 8.4116 283/8	:
85-29 1111788 1R - 8.4198 283/8	
11+18- 0.405E 283/H - 0.572E 08/S	995 995 955 955
+00008 +N3 -80008 +N3 85-29 1112208 +R	60X 698 .
-59995 +23	
86-29 11:2288 +R -80883 +N3	
05-29 (12300) -00003 (13	414
11:33- 0.4056 203-H - 0.5716 00/5 +00009 103 - -00010 103	00R 02R 03R
11:48- 0.4156 27378 - 0.5966 07/5 +88388 773 -88828 773	002 002 002 002 002
- 0.5386 81/5 +82880 443	e72 092 892 892
- 8.581E 07/5 +88880 •73	ðor Ogr Ögr Oðr
12:33- 0.4128 28378 - 0.5918 6825 /100000 1831	oor Cor Cor Cor Bor
65-29 12:3490 12 -08952 133	
85 29 12:3590 48 00055 4N3	
06-29 12:3500 +2 - 0.401E 283/8	
- · · ·	
rhib Well No	.2A
dúter útavæter 169.0 NB	
PIPE NATERIAL 7 CS.SS	
VALL THIODESS 5.10 ISI	
DEER UDIDE 2 DO LIDE.	
kind of Fluid ? Hater Sensor Hounting ? V	
? U TVPE OF SENSOR ? SIWLL	
data chinise 7 10	M
SPACING 121.61 NLV	
nii-60 kii:111 06-29 11:49	
NADPING SET 05 SEC	
2680 100E CLEAR 2680 100E	
26FO HODE CAL 26FO HODE SELECT DATA SET	
CHITA SET CATA SET HODE ? CUT OFF	
CUT OFF LATA	

HALE SELCCE GATA SET	
CATA SET MOLE 7 FACTOR	
SCALE FRETOR 100.00 ×	- :
LUTEG UNDT 4113	
INTEG START ANTO	
STAST TIPE 05-29 11:53	
OPERATION THE 53 HOR	
06-29 1115800 18 - 0.7395 20348	
PRT FERIOO	
757 (1117 13-11 VES FRT UNIT N2-11	
80 FRT UNIT H3×S FRD	4
PET UNIT HAS	l
PRY UNIT INTEG VES PRY UNIT ALL	
PRT UNIT AL2	1
00 START TIDE 00-29 11:53	1
operation time \$9 Hor	1
(1:53- 0,725£ 013-11 006 - 1,017£ 041-5 066 +00000 013 006 -00000 413 066	
12:03-0.7325 0/02/H 000 - 1.0276 0/L/S 000 +00000 4/35 000 -00018 4/13 000	9
12:23- 0.727E 24341 00R - 1.000E 04/3 00R 400060 143 04R -00036 483 00R	. г
12:38- 0,734E 203/H 00R - 1,050E 004:5 00R - 00000 003 00R - 00054 003 00R	
12:53- 0.727E 20008 008 - 1.000E 009-5 008 +00000 103 008 -00072 103, 008	
-00072 4113, 008 06-29 13:0880 48 -00082 4113	: F
-00002 *113 05-29 1310(09 *R -00062 *113	F
-00082 *#5 06-29 13:0103 *R - 1.0295 (#1/5	1
- 1.023E 0075 66-29 13:0100 #R - 0.2006 2034H	•
	(1
	I
urhib-Bereen Lin	e
OUTER DIAMETER	1
PILE PATERIAL	
? • €\$+\$\$	l
VALL MILCHESS 5.30 May	
INNER LINING ? NO LING.	,

DATA CHANGE ? NO SPACENS 169.15 81 0 NA-DO HH:NA 84-29 12:28 DAMPINS SET 03 SEC ZERO NODE CLEAR ZERO MODE CAL ZERO HODE SELECT DATA SET ORTA SET NODE 7 CUT OFF CUT OFF DATA 010 MODE SELECT DATA SET DATA SET MODE ? FACTOR SCALE FACTOR 100.00 % INTES UNIT 483 INTEG START AUTO STARI TLME 86-29 12:33 OPERATION TIME 99 HOR PRT PERIOD PRI UNIT 6378 VES PRT UNIT 63/6 NO PRE UNDE M3/S NO RT UNIT MIS VES PRT UNIT INTES VES PRE UNIT ALL KO PRT UNET AIZ NJ 57487 TINE 06-29 12:33 OPERATION TINE 99 NOR 12:33+ 0.768E 2537H 828 • 0.557E 8475 828 • 80828 453 828 • 80828 453 828 -00030 +73 695 12:43+ 0-730E 243+4 602 + 0-574E 84+5 634 + 62018 443 802 + 62018 443 802 + 600268 443 802 13:93+ 0.761E 253/H 897 • 0.593E 94/S 897 • 09936 453 897 • 09936 453 897 - 22239 453 838 13:10+ 0,7356 2737H 627 • 0.5786 0775 637 •92354 •H3 687 -22260 •H3 687

13:33+ 0.213E 2737H 693 + 0.551E 6745 698 + 0.551E 6745 698 - 0.9512 473 693

START TIPE . 65-29 12:53

	77 BUN
ar tit Amainn	12159- 1.6626 2137X 888 - 0.4126 8145 888 +84268 113 844
Murhib-Awajan	-65659 #13 \$08
OUTER DEAMETER 222.7' XI	13:13-1 1.0795 203/0 608 - 0.0555 00/5 008 (+00000 003 008 -00026 003 008
PIPE MATERIAL ? CS.SS	13:23- 1.1035 2M3/K 00R - 0.8796 0M/S 00R
VALL THICKNESS 5,70 Mit	+80000 +713 80R -00053 +713 80R
INNER LINING P NO LINS.	13143- 1,563E 283/H 898 - 1,239E 87/5 898 +80000 983 898
KIND OF FLUID 7 VATER	-65333 #43 695
SERSOR ROUNTING ? V	13:55- 1.6055 2:37K 80R - 1.2745 8:475 8:28 480000 *x3 8:08 -80122 *x3 8:08
TYPE OF SENSOR ? SHALL	
DATA CHANSE	
SPACING 169.79 KN V	Awajan Well No.22
мл-од XX:83 66-29 12:53	BUTER DIGMETER 165.0 MM
DAMPING SET 03 SEC	PIPE MATERIAL 7 CSISS
ZERO MODE CLEAR	VALL THICKNESS 5.80 BM
ZERO HODE CAL ZERO	INNER LINIKS 7 NG LINŜ.
HODE SELECT DATA SET	KIND OF FLUID 7 VATER
DATA SET HODE ? CUT OFF	SENSOR NOUNTENS
CUT OFF DATA 810	TYPE OF SENSOR ? SHALL
NODE SELECT DATA SET	DATA CNAHSE ? ND
DATA SET MODE ? FACTOR	SPACINS 119.00 MN V
SCALE FACTOR 100.00 %	87-90 HH:HA 87-81 12131
INTEG UNIT	DAMPING SET BI SEC
INTEG STARF AUTO	ZERO MODE CLEAR
\$TART 11/E 06-23 12:53	ZERO MODE Cal Zero
OPERATION TIME	ZERO NODE AUT ZERO
PRT PERIOO ES NIN	NODE SELECT DATA SET
PRT UNIT N3/H VES	DATA SET NODE ? CUT OFF
PRT UNLT N32N NO PRT UNLT N32S	CUT CFF DATA 010
PRT UNLT B3+S	NOOE SELECT
PRT UNIT BAS	DATA SET CATA SET NODE
PRI UNIT INTEG YES	? FACTOR
PRT UNIT AN NO	ICO.03 Z INTEG UNIT
PAT UNIT A12, NO	PR3 ENTES START
START TIPE 45-29 12:53	OT UA

GPERATION TIME "

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07-01 12=3428 + 0.0948 24341	i. H	
PRT PERIOD		
PRT UNIT H3-H VES		
PRT UNIT N3/M NG		
PRT UNIT H3/S NO		
PRT UNIT N-S VES		
PRT UNIT INTEG VES		
PRT UNIT ALL NO		
PRT UNIT ALZ KO		
START TIME 07-01 12:36		
OPERATION TIME 99 ROR		
12:36. 0.964E 1.428E 100083.10 -00080 10	13 - 65K	
12:51+ 8.992E + 1.462E +22024 ## -80889 ##	IS CER	
13:06+ 8,993E + 1.463E +00849 *M -00238 *M	2437H 09R 04-5 COR 13 COR	
13:21+ 1.005E + 1.491E +2024 +M -02200 +M	2n]/H EOR On/S EOR J EOR	
13:36+ 1.000E + 1.495E +00390 ** -00000 **	1 654	
Awajan Wel	ll No.23	
Outer Dianeter 163.4 Mi Pipe Haterial ? 65.55		
? CS,SS UALL THICKIESS 5,20 IVI		
5.20 281 DRIER LINIDIG 7 DO LIDO).	
KILO OF FLUID 7 941ER		
SENSOR NOUTTH	3	
TWFE OF SENSOR ? SHALL		
DATA (HRAPSE	I	K
5PAC (125 121.25 121 V		
801-00 886288 07-01 12156		
0/8/P11/6 SET 03 SEC		
2680 HOUÉ CLEAR		

START TIME 07-01 12=36

OPERATION TIME

ZERT HOLE CAL ZERT 300H (0935 84330 ZERO HOUE CAL ZERO ZERO HOUE AUT ZERO HERE SELECT OATA SET POLE CUT CEE CATA NOCE SELECT CATA SET HOOE 7 FACTOR SCALE FACTOR 100.00 % INTEG UILT +N3 INTEG START START THE 07-01 13:01 OPERATION TIDE No HOR FRT PERICO 15 NIN PRT UILT HS H řet unit H3-H PD FRT UIDT 83/3 NO FRT UNIT HAS VES PRT UNIT THIEG VES PRT UNIT ALL FRT UNIT AT2 10 START TINE 07-01 13:01 OFERATION THE 92 NOR 13:01+ 2,7955 203/H 008 + 3,9625 0055 008 +00000 4H3 608 -00000 4H3 608 13:16+ 2,760E 20370 028 + 3,912E 0075 008 +00059 103 008 -00000 103 038 13:31: 2.748E 203-00 000 3.355E 00-5 600 400153 003 000 -00000 003 600 14101+ 2,7906 243-4 00R - 3,9546 0425 00R - 000276 483 00R - 00000 483 00R 07-01 14:0163 18 400277 14H3 Khaw-Hashemeyeh Line (1).

CUTER DIWLETER 412.21 401

10121111 2919 28.27

OUTER DIGUETER 412-21 - MI

PIFE MATERIAL WLL THICKNESS 5.50 FM INTER LINING LING. THICKNES S.N. MI KIND OF FLUID SENSOR HOUNTEN TYPE OF SEMAR NATA CHANGE 5FACINS 334.39 MH V 124-00 105:114 07-13 10:03 ENAD DIG SET HOOE SELECT DATA SET DATA SET NOCE ? CUT OFF CUT OFF DATA DITE SELECT GATA SET DATA SET MODE SCALE FACTOR THIEG UNIT 1935 DATES START OTUN STERT TENE-07-13 10:11 OPERATION TIME 59 HOR FRT FERICO FRI UNIT NJ-H PER UNIT M3-H DD 121 UNIT 83/S 10 FFT UNT HAS IVES សា លោកព្រៃស្វ er oar K FET UNIT A 91481 110E 07-13 1091 Greening the 10:11) 9.1268 23374 008 2.1078 9:128 008 +00000 133 008 (30000 133 008 2113741 008 01175 008 113 008 113 008 ાર છે. 67-13 10:2500 18 + 9.265EC203/8 07-13 10:5234 .R 10359 103 07-13 10:369 .R 13556 2000

1

07-13 10:3300 100742 183 07-13 10:33-0-3 10:1.50 × 612

D1 - 14

Khaldieh-Khaw Line OUTER DIAMETER PIPE MATERIAL WALL THICKHESS INNER LINING LING. THICKNES 5.63 65 KIND OF FLUID 7 VATER SENSOR HOURTENS TYPE OF SENSOR 7 SHALL DATA CHANGE SPACING 345.18 MA V 87-00 RH:83 07-02 12:33 DAMPING SET 03 SEC ZERO MODE ELEAR ZERO HODE CAL ZERO NODE SELECT DATA SET DATA SET MODE 7 CUT OFF CUT OFF DATA BLD NODE SELECT DATA SET DATA SET HODE ? FACTOR SCALE FACTOR 100.00 % THIEG UNLE INTEG START AUTO STARI TIME 07-02 12:38-OPERATION THE PRT PERIOD PRT UNIT H3/H YE. PRT UNIT NJ T PRT UNIT MS/S PRT UNET KES PRT UNIT INTEG PRT UNIT ATI xn

FRT UNIT AL2

NO

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START TINE 07-02 12:38 V.A.L.S.1.* OPERATION TIME 12138+ 3.8926 2×3×X 888 + 8.8446 84×5 888 +88846 84×5 888 -00000 +03 859 12:53+ 6.0526 253/H 882 + 0.0916 65/5 882 +86977 553 882 -08833 553 882 13:03+ 3.1320 243/H 008 • 0.6010 04/5 008 +00191 443 008 +00000 443 008 13:23+ 3.541E 2H3+H 888 + 8.778E 8H3+ 888 +82282 HN3 888 -82889 HJ3 888 13:38+ 1.495E 2H3/H 89R 0.323E 01/S 80R +20349 +N3 -26988 +N3 892 BOR Heteen Well No.1 OUTER | 178.39 PIPE MATERIAL C\$.55 WALL THICKNESS 5.20 64 TREER LINING 7 - BO LING. KIND OF FLUID 9 VATER SENSOR MOUNTING TYPE OF SENSOR ? STALL DATA CHANGE 7 NO SPACING 122.83 MA V NA-DD HA:NA 97-93 10:52 DAMPINS SET ZERO BOOE CLEAR ZERO NOCE CAL ZERO NODE SELECT CATA SET CATA SET NODE ? CUT OFF CUT OFF DATA GIO NODE SELECT DATA SET DATA SET BODE 7 FACTOR SCALE FACTOR 100.00 2 ENTEG UNIT INTES START ÁUTO

START TUNE 87-83 18:53 OPERATION TIME PRT PERCOO 15 DIN PRT UNIT 83-X PRT UNLT MJ-X NO PRT UNIT #3/\$ PRT UNIT N/S PRT UNIT INTEG PRT UNIT ALL NO PRT UNIT A12 NO START TIKE 07-03 10:58 OPERATION TIME 99 HOR 10:53+ 0.2726 2N3/H 07R + 0.3776 8H/S 02R + 02000 4N3 03R -02200 4N3 -cCR 11:13+ 0.2806 243/H 698 + 0.3886 64/S 608 +60865 443 608 -68869 443 608 11:28+ 8.265E 243/H 688 + 8.367E 64-5 668 +88813 4M3 687 -88883 4M3 688 11:43+ 9.262E 213-H Ear + 9.363E 81-5 627 +80828 *13 842 -66558 +23 645 645 11:58+ 9.278E 243/H 608 + 0.386E 64/S 638 +82627 *#3 608 -69228 *#3 602 Posphate Well GUTER DEAMETER PIPE MATERIAL 7 CS.SS NALL TRICKNESS 5.60 ha 1955ER LENING 2 NO LING. KIND OF FLUID ? WATER SENSOR ROUNTING TYPE OF SENSOR CATA CHANGE NO 529CENS 122.56 ha V NA-DD HH=NA 87-85 10143

ZERO MODE CLEAR 2680 2006 CAL 2680 NODE SELECT DATA SET DATE SET MODE 7 CUT OFF CUT OFF DATA 818 NODE SELECT DATA SET DATA SET MODE 2 FACTOR SCALE FACTOR INTEG UNIT INTES START AUTO START T38É 97-95 18:54 OPERATION TIME 99 HOR PRT PERIOD 15 Min PRT UNIT B3/8 VES PRT UNIT M3/A NO PRT UNIT N3/S PRT UNIT HAS PRT UNET ENTES PRÈ UNIT AII Nù PRT UNIT A12 START TEME 07-05 10:54 OPERATION TIME ROR 99 ZERO MODE AUT ZERO SHIEG UNIT ENTEG START AUTO START TIME 87-85 18-54 OPERATION TIRE PRT PERCOD PRT UNIT M3/H VES PRT UNIT 8345 h0 PRT UHIT HIVS PRT UNIT #75 PRT UNLT ENTES VES ITA TIRU TRA

07-05 (0:5808 +R +02284 +M3 10:53+ 0.717E 2n3/H 802 + 0.9996 6n/s 802 + 82885 = M3 802 - 62203 + M3 802 - 62203 + M3 802 11:29 0.7185 203/8-888 • 8.9895 61/5 688 • 69342 **3 608 -68828 **3 888 11:44+ 0.7245 243-X 828 • 0.9576 64-5 828 • 68866 473 828 • 68866 473 828 • 68866 473 828 07-85 1115288 *R +82:.43 % 812 07-25 11:5408 >R +02072 *R3 07-85 1125400 \$2 +02272 \$83

07-05 11:5400 + 8.6555 2N3/H

*87-85 1115+88 +R

P. \$955

97-25 I + 2.60

18:55+ 8.729E 2#3-H 888 + 1.884E 84-5 883 +88788 #N3 883 -88888 #N3 888 -88888 #N3 888

97-93 18:5688 +R + 8.727E 243/H

07-35 19:5503 #R +82232 ##3

OPERATION THRE 39 HOR

START TENE 87-85 18+56

PRT CHIT ATE DR

DI - 15

DAMPENG SET

171.88 114	1
PIPE HATERIAL ? CSISS	
UALL THICKNESS 5.00 PM	1
HASER LINING ? HO LINS.	1
KIND OF FLUID 7 VATER	1
SENSOR HOUHTING	
TYPE OF SENSOR	
CATA CHANGE	1
SPACING 123,93 IN V	
W-00 HE: IVI 07-05 12:66	
NI-00 HH:171 07-65 11:27	9 (
DAMPING SET	•
NODE SELECT DATA SET	
DRTA SET HOLE	I
DUT CEF CATA	
NKOE SELECT CATA SET	I
DATA SET NOCE	
SCALE FACTOR	•
2ER0 1005 AUT 2ER0	
INTEG INIT	
#H3 INTEG START AUTO	•
START THE 07-05 11131	
OFERATION TIME	
PRT FERIÓO 15 MIN	Ĥ
PRT UNDER MEAN VES	ċ
PRT UNIT N3/41 100	
FFT WILT M3/S	5 ? {
PET UNIT MAS	
FRE WHIT LINES	. 1
FET WILL ALL	
FRT URIT AS2 10	
5748T TEHE 07-05 11:31	
OF CEATEON TIME	
11:31: 2.12% 20320 000 2.6745 0025 002 2.6000 005 002 2.60000 005 002 2.60000 003 005	
07-05 11:3100 18 1002.20 8 612	
07-05 11:3100 *R +602.20 % 4:2	
FRT FERIOO 15 Bitt	

Booster No.4 Rusaifa

OUTER OLANETER

111434 2.0996 213-H COH + 2.8346 041-S COH +00041 403 COH -00000 483 COH 07-05 H114400 FR +03045 FM3 PRT PERICO PRT LHET M3/H YES PRT LHET M3/H PRT LHET M3/H PRT UNIT H3-3 PRT UNIT HAS PRT UNIT INTEG PRT UNIT ALL PRE UNIT AL2 START THE 07-05 11146 OPERATION TIME 11:46+ 2.103E 203/4 + 2.840E (41/3 +00052 \$03 -00000 \$03 OCR OOR OOR OOR 12:01+ 2.845E 243-44 66R + 2.765E 04/5 60R +20104 443 69R -00060 443 60R 12:16+ 2.042E 243/H 00R + 2.757E 04/S 03R +03155 4M3 03R -00000 4M3 60R 07-05 12:2800 #R +00197 #N3 12:31+ 2.054E 243-H 088 • 2.773E 641-S: 008 • 00207 *#3 008 • 00308 *#3 008 07-05.12:3160.*R.+ +001.60 % A12 Ieteen Well No.2 OUTER DIAMETER PIPE HATERIAL VALL THICKIESS 5.(0 HPI HARR LINING ? DI LINS. KIND OF FLUID 7 VATER SENSOF: HOLAN LING TYPE OF SELFOR CATA CHARGE SPACING 123.93 - 111 V 07-05 12:55 CAUPING SET 2650 HOGE SUI 2680

NOOE SELECT COTA SER

PRT UNIT NSAH

DATA SET NOCE 7 OUT OFF CUT OFF DATA NOOE SELECT ONTA SET DATA SET MODE ? FACTOR SCALE FACTOR THITEG WILT INTEG START START THE 07-05 10:53 OPERATION TIME PRT PERICO PRT UNIT A3/H VES FRT UNIT N3/M PRT UNIT 183-S FRT UILT HAS PRT WILT INTEG ERT UNIT ALL ON: FRT UNIT ALZ NO START TINE 07-05 12:58 OPERATION THE 99 HOR 12:58: 0,27:6 243-4 008 + 0,3706 04/5 008 +00000 153 008 -00000 353 008 13:13+ 0,2008 20378 + 0,3088 604/5 +00000 1/3 -00000 1/03 131234 0.2406 20324 • 0.3526 (425 •00000 403 •60000 403 ውንድ (ሲ.ዮ. (ጎ.ዮ. 43+ 0.2716 203/H 00R + 0.3666 00/S 00R +00000 403 60R -00000 403 00R 13:53: 0.2836 20340 008 • 0.3836 00/45 008 •00000 003 008 -00000 003 008 07-05 13:5809 *8 +001.40 % A12

OUTER DIAMETER PIPE NATERIAL UNLE THICHESS INSER LINING LING THICKNES KTHO OF FLUID ? WATER SENSOR HOUNTING TYPE OF SENSOR ? SHALL DATA CHAINE SPACING 261.02 NH V 191-00 101-101 07-02 11-31 DAMPING SET BOOM CRASS ZERO HODE CAL VZERO ZERO HODE AUT ZERO NOT SELECT DATA SET MODE 7 CUT OFF CUT OFF DATA NOCE SELECT DATA SET CATA SET NODE SCALE FACTOR 1111EG (0.111 *#3 THIEG START OUN START TIME 07-02 11137 CEEPATION THE FRT PERICO FRT UNIT H3-H VES PRT UNIT N3/11 PD PRI UNIT 193-5 20 FRT WILT MUS PRT UNIT DITES LIA ŤURU TAR OL PRT UNIT A12 START THE 07-02 11037 OPERATION THE 33 BOR 11:37+ 16.421E 203-91 + 6.2856 (61-3 +60063 1013 -00060 403

12:07+ 16.614E 2m3-H + E.357E R4-5 +30325 +n3 -63903 +n3 12:22+ 16.4698 203-H + 6.3098 00-5 +01239 103 -00000 103 12:37+ 16.5546 2013-H 608 6.3346 04/5 908 +01652 103 908 -00000 103 808 12:52+ 16.531E 2n3-H 60A + 6.325E 04-5 04A + 02065 1N3 80R - 06600 1N3 80R 13:07+ 16.576E 2H3/H + 6.343E 6H/S +02473 +H3 -06203 +H3 13:22+ 16.3155 203-14 + 6.3195 00-5 +22891 +43 -00000 +43 00R 03R 00R 00R 13/374 18.609E 2113-H 60R + 6.355E 014-5 60R +03304 113 60R -05020 113 60R 13:52+ 16.491E 283-9 + 6.310E 08-5 +03718 483 -83300 483 00R 00R 00R 07-02 14:0200 #R +04007 #H3 07-02 14:0303 * +04023 */13 07-02 1418320 #R +04025 #03

110524 16,5446 20004 6 6,3306 0005 408411 483 -00600 483

Khaw-Zarga Line

(F)

Khaw-Hashemeyeh
Line (2)
PRINTER USE
OUTER DIAMETER 185.4 NA
PIPE MATERIAL ? CS.SS
VALL THICKNESS S.20 Mm
INHER LINING ? INORTAR
LINS. THICKNES 5.00 BK
KIND OF FLUID 7 VATER
SENSOR MOUNTING 7 U
TYPE OF SENSOR ? SHALL
DATA CHANSE - ? HO
SPACING 1334-59 KM U
KR-00 HH:NM 97-92 10:58
DANPING SET 03 SEC
ZERO NODE ELEAR
ZERO MODE Cal Zero
ZERO MODE AUT ZERO
MODE SELECT D'ATA SET
DATA SET HODE 7 CUI CFF
CUT OFF DATA B18 Mode Select
DATA SET
7 FACTOR SCALE FACTOR
183.89 X - Intes Unit
ः ।त्र Integ start
AUTO STARE TIME
07-02 LI:04 OPERATION TIME
99 HOR PRI PERIOD
15 5 7 7 18 PRT UNIT N3/28
VES • FRT UNIT M3-M HO
PAT UNIT B345

IT"M/S YES

PRI

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PRT UNLT INTER VES	
PRE UNLE ALL NO	
PRT UNIT AIZ NO	
START TINE 07-02 11:04	
CPERATION TIME	
11:01+ 0.1976 2837H + 1.9426 0875 +86888 *83 -00888 *83	20R CCR CCR CCR CCR
+89201 +53	928 927 938 938 929
11134+ 7.7372 28378 + 1.8336 8875 + 28391 483 - 28888 483 - 28888 483	eor eor eor eor
11:49+ 7.5306 213/8 + 1.7866 81/5 +00581 133 -00008 133	692 692 928 622
12:04+ 2.534E 213/8 4 1.785E 61/5 480771 413 -88220 43	80R 80R 80R 80R
12:19+ 7.5300 203/H + 1.7840 00/5 +00960 403 -02000 403	802 92R 902 902
12:34+ 7.5726 25378 + 1.7946 8875 +81143 *83 -88283 *83	83R 83R 83R 83R 83R
12:49+ 7.623E 2M3/H + 1.886E 0M/\$ +81339 *M3 -82888 *M3	06R 00R 06R 06R 08R
13:04+ 7.412E 273-X + 1.756E 04/S +01529 */3 -82688 */3	eər Ber Eer Ecr
13:19: 2.593E 283/8 4 1.799E 88/8 401718 483 -80820 483	00R 00R 00R 00R 80R
15:34+ 7.547E 283/X + 1.788E 88/S +01985 #83 -00020 #83	032 032 007 007 007
13143+ 7.6448 25378 + 1.8118 8575 +02055 453 -82083 453	698 638 638 638 638
07-02 14:0020 1R + 7,4376 28378	
97-82 14:0000 *R +822+2 *73	
87-82 1410208 PR +82245 PR3	
07-02 14:8888 #2 #02247 #N3	

87

+92247

14:0193

×83

D1 17

87-15(11)1289 A REPLACEMENT 07-15 1111200 *R + 0.097£ 04/5 111(8) 8.800E 103/H 808 4 8.892E 83/S 898 + 29885 410L 898 - 20888 410L 898 - 20888 410L 888 ÖUTER DIANETER \$1.03 #N Ber 11128+ 9.0235 183 A 808 • 9.0125 84/5 808 • 89390 4181 838 • 89390 4181 838 NALL THICKNESS -86668 +181 BaR 11:32+ 0.83% 133/H 89% • 0.83% 84% 84% •83922 018L 83% -88623 018L 83% THHER LINING 7 HO LING. 11:48+ 0.003E 183/8 098 • 0.003E 08/5 08 • 0.003E 08/5 08 • 0.003 • 101 038 - 0.003 • 101 038 SENSOR MOUNTERS TYPE OF SENSOR 7 SMALL 11:59: 0.827E (737):632 • 0.014E 67,45 632 • 0000 \$10L 632 - 0000 \$10L 832 12:00+ 0.031E IN3/H COR + 0.016E 94/S COR + 00102 \$10L COR -00102 \$10L COR 12118+ 0.000 IN3/H 03R + 0.000E 64/5 03R + 02104 010L 03R - 0000 010L 02R - 0000 010L 02R MODE SELECT DATA SET 12:284 0.000 17378 008 4 0.0386 0475 008 40105 4101 038 40203 4101 078 DATA SET MODE 7 CUT OFF 12:38: 0.0000 1.378 098 • 0.0000 0.75 008 •0.0000 0.00 •0000 0.00 000 -00000 0.00 000 NODE SELECT DATA SET 12:49+ 0.000E LN3/H 03R + 0.020E 01/S 03R DATA SET HODE 7 FACTOR +03107 +10L -0003 +10L eor 898 \$2>58+ 8.825E 143-H 80R + 8.813E 64-5 682 +60108 \$10L 80R -8828 \$10L 80R 13:18+ 0.025E 183/8 038 + 0.013E 05/5 09R +00182 010L 088 OPERATION TIME 181 66559-858 13:28. 0.0256 1737H 008 • 0.9136 0775 007 +03115 101 008 -00033 110 008 -00033 110 008 13:38+ 0.021E 1N3/H 60R + 0.011E 67/5 60R + 0.011E 67/5 60R + 0.021E 1N3/H 60R 13:49+ 8.0216 1x3/# 028 + 8.0116 0x/5 008 +00119 +10L 058 -00220 +10L 028 PRT UNIT CHTEG VES 13:58+ 0.021E 11378 038 • 0.011E 07/5 038 • 00120 010 03/5 038 • 00120 010 038 14:03+ 0.000E 143/# 002 + 0.000E 04/5 022 +03122 +10L 032 -00220 +10L 032 GPERATION TIME \$9 HOR 07-15 14:1503 +R + 8.859E 163/8 07-15 14:1503 #R # 8.4276 8575

47-15 1111200 #R +60084 #10L

HASHIMEIYEH

PIPE MATERIAL ? CSISS

KIND OF FLUID 7 VATER

OATA CHANGE

52.58 KN V 88-00 BH:85 \$ 97-15 10:30

SPACING

- DASPINS SET 03 SEC

CUT OFF PATA 810

SCALE FACIOR Jej.ej 2

INTEG UNIT +180L

THTES START AUTO

START 11HE 07-15 10:32

PAT PERIOD 18 MLH

PRI UNIT MJ/X VES

RAEN TIRU TRA DR

PRT UNIT N3+S

PRT UNIT M/S VES

PRT UNIT ALL

PRT UNIT A12 HO

START TIME 07-15 (0:33

PRE PERCOD 30 min PRT UNIT #3/H PRE UNIT N348. BO PRT UNIT #375 HO PRT FERLOO 30 HIN PRT UNIT N3-R VES 14:13+ 0.755E INJ/H 80R + 0.566C 81/5 832 + 09170 +10L 82R - 82823 +18L 82R PRI UNIT M3/M PRI UNLT M3/S PRT UNIT M-S PRT UNIT LHTES VES PRT UNIT ASI NO PRT UNIT ASS NO START TERE 07-15 14+20 OPERATION TIPE 99 Hor 07-15 14:1900 PR +20199 #10L 14:28+ 0.698E 143/H 00R + 0.557E 01/5 00R + 0357E 01/5 00R + 03594 +10L 00R - 00000 +10L 00R 14:50+ 0.309E 103/H 698 + 0.158E 67/5 634 + 69403-116L 638 -69888 16L 688 15:20+ 8.2746 (A3/H 698 + 8.1486 81/5 637 * 88559 180 688 -88828 180 888 15:50- 8.2(5E 143/H 88R 0.118E 84/S 88R +83577 118L 88R -03503 118L 88R -89569 +180 16:28+ 0.2746 143/H 828 + 0.1486 84/S 888 +83823 +191 898 -88880 +101 888 16:59+ 0.2056 143/H 808 + 0.1056 84/5 808 +03934 4185 808 -88808 4106 808 17:20+ 0.4956 1.13/H 002 + 9.2536 04/5 002 +01166 9190 002 -02030 0100 002 17:50+ 0.4755 1.13/H 602 • 0.2435 61/5 602 • 91311 410L 602 • 60200 410L 602 18:20+ 0.3176 183/K 002 • 0.1626 08/5 002 • 01467 9101 002 - 023467 9101 002 -86088 +180 18:50+ 0.3938 (H37H 008 • 0.1558 84/5 008 • 9(515 *29L .008 -9000 •10L 608 19:20+ 0.176E 14378 00R + 8.896E 6475 00R + 81717 10L 00R -02035 10L 00R

07-15 14:1600 +R +03143 +18L

19:54+ 0.184E 1/3/H 6PR • 0.894E 97/5 632 • 81828 +10L 632 -88386 •18L 632 28:28 0.1786 183/8 888 • 0.8376 84/5 888 •81693 \$181 888 -88286 \$181 888 29:50* 0.1926 1837H 038 + 0.0936 0875 038 +01983 *101 008 -00028 *101 088 21:28: 0.14*E 1N3/H 08R 0.074E 04/5 032 +02072 110L 03R -02326 110L 00R 21158+ 0.1786 143-H 60R • 0.0916 84-5 09R • 02168 • 10L 69R - 60299 • 10L 80R 22120+ 0.1526 143/8 888 + 0.9786 64/5 888 +82243 4181 828 -82243 4181 828 22:50+ 0.140E 183/H 808 + 8:072E 68/S 608 +02312 418L 683 -08333 418L 683 23:28+ 0.1136 143-H 668 + 0.6586 64-5 634 +02375 +10L 638 -09200 +10L 638 (23158) 0.1565 113-11 002 0.0885 91-5 002 +02427 110L 602 -00888 010L 602 C3:20+ 0.072C 113/H 632 + 0.037E 07/S 692 +02450 *10L 632 -02220 *10L 632 69:53-) 0.956E 1H3/H 688 0.029E 9H/S 688 +02487 010L 688 -08023 010L 688 81:20+ 0.049E 1M3/H 698 + 0.025E 6M/S 698 +02511 #10L - 698 -86629 #10L - 688 81:58+ 0.045E 113/H 032 4 0.023E 34/S 632 +02536 110L 032 -80230 110L 032 62:20+ 0,037E 18378 698 + 9,019E 6475 698 +92559 118L 038 -00084 110L 038 694 02:59+ 0.039E 1N3-K COR • 0.020E 6N-S COR • 02580 10C COR • 02580 10C EOR 03:20+ 0.035E 1M3-H 632 • 0.039E 84-S 628 •02599 •10L 688 -0888 •10L 638 03:58+ 0,0316 143-X 608 + 0,0166 84/5 688 +02617 416L 688 -00028 418L 628 84:20+ 0.035E 17378 098 + 0.018E 0775 098 + 02634 104 098 -0203 1104 098 24:53+ 0.046E 1#3/H 03R + 0.024E 0#/S 03R +02653 +10L 03R -02033 +10L 03R 628 55:23. 0.0456 IN3.4 632 . 0.0236 01.5 632 .02591 4101 632 .02591 4101 632 .0363 4101 632

65:50+ 9.0706 143/8 098 + 4.0366 64/5 098 +82793 \$10L 698 -03903 \$10L 698

07:28+ 0.0705 183/X 207 + 0.0365 88/X 202 + 92834 4101 834 - 20070 4101 834 07:50: 0.0565 (N3/X 098 0.0295 67/5 038 +02033 100 038 -02033 100 038 -02030 100 038 88:28+ 8.862E 113/8 282 • 8.832E 81/5 838 + 92863 * 190 838 - 98838 * 190 838 83:58: 0.0726 in3/2 232 0.0376 64/5 222 +02913 516L 232 -03000 \$10L 832 89:28+ 0.197E 1×37K 00R + 0.855E 04-\$ 00R +02956 \$10L 00R -00000 \$10L 00R 89:58+ 8.1255 18378 888 + 9.8545 8875 838 +93028 18L 838 -8880 818L 838 07-15 10:0303 *R +03950 *10L 18:22+ 0.0966 (#3/X 892 + 0.0466 64/5 892 + 83292 910L 892 -68838 410L 822 18:50+ 8.2022 (N3/H 288 + 9.1552 En/S 80R +83155 410L 888 10:55+ 0.2055 1737H 002 + 0.1055 0775 232 +03178 +101 093 11:08+ 0.227E 113/H 602 + 8.1166 84/5 637 +03193 *181 832 -02838 *181 822 11:05+ 0.193E IN3-H OOR + 0.095E 64-S COR +03214 10L 03R -02000 10L 03R 11:10:0.1020 11378 638 • 8.8320 01.5 938 • 83232 0101 038 - 68333 0101 238 11:15+ 0.0386 65378 838 • 0.0000 675 688 •03233 *100 688

-69959 •101 • 66668-18:20. U.0352 583/H 388 • 0.035 6875 838 +03233 +LOL -001+ 65659+ \$12 \$32 41:25+ 0.0036 (M3/H 838 • 0.0336 6M/S 638 • 03233 +10L 438 - 03233 +10L 438 11:35+ 0.0302 18378 202 + 0.0302 0875 202 + 03233 100 202 - 00023 100 202

18:43+ 0.8345 18378 838 • 0.8245 8575 838 • 03233 119L 838 • 68383 116L 838

85:28+ 0.0726 1#378 000 + 0.0376 0#/5 000 +02735 110L 000 -00000 110L 000

85:58+ 8.8525 18378 232 • 8.8265 88/5 232 • 82774 410L 232 • 22774 410L 232 • 22774 410L 232

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