

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 83-11928

Exam Date: 5/10/2012

1. Current Owner: AHSAHKA WATER & SEWER DIST
PO BOX 37
AHSAHKA ID 83520
(208)476-7749
2. Accompanied by: LARRY ANNEN
Phone No: 208-476-4350
Address: SAME
Relationship to Permit Holder:

3. SOURCETRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 83-7030
2. Other water rights with the same point of diversion: NONE

C. DIVERSION AND DELIVERY SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER NW1/4SW1/4 Sec. 34, Twp 37N, Rge 01E, B.M. CLEARWATER County

Method of Determination: *GPS W 116° 19.442 N 46° 30.321*

2.

PLACE OF USE: MUNICIPAL

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
37N 01E 33													X	X			X
37N 01E 34									X	X	X						

Method of Determination:

3. ☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☒ Photo of Diversion and System Attached

4.

<u>Well or Diversion</u> <u>ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge</u> <u>Size</u>
83-63-N-3	FRANKLIN	7.5 HP	230 VOLTS 23.0 AMP		MODEL 2343187004

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>

2. Measurements: FLOW MEATER ON THE SYSTEM MAX GPM IS 59GPM = 0.14 CFS

See data of flow history in photo.

E. FLOW CALCULATIONS

Measured Method:

☐ Additional Computation Sheets Attached

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$$

2. Volume Calculations for Other Uses: **NO VOLUME****G. NARRATIVE/REMARKS/COMMENTS: this water right overlaps the use of water right 83-7030**Have conditions of permit approval been met? ☒ Yes ☐ No**H. RECOMMENDATIONS**

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
MUNICIPAL	01/01 to 12/31	0.140 CFS	
<u>Totals:</u>		0.140 CFS	

2. Recommended Amendments

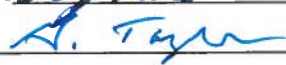
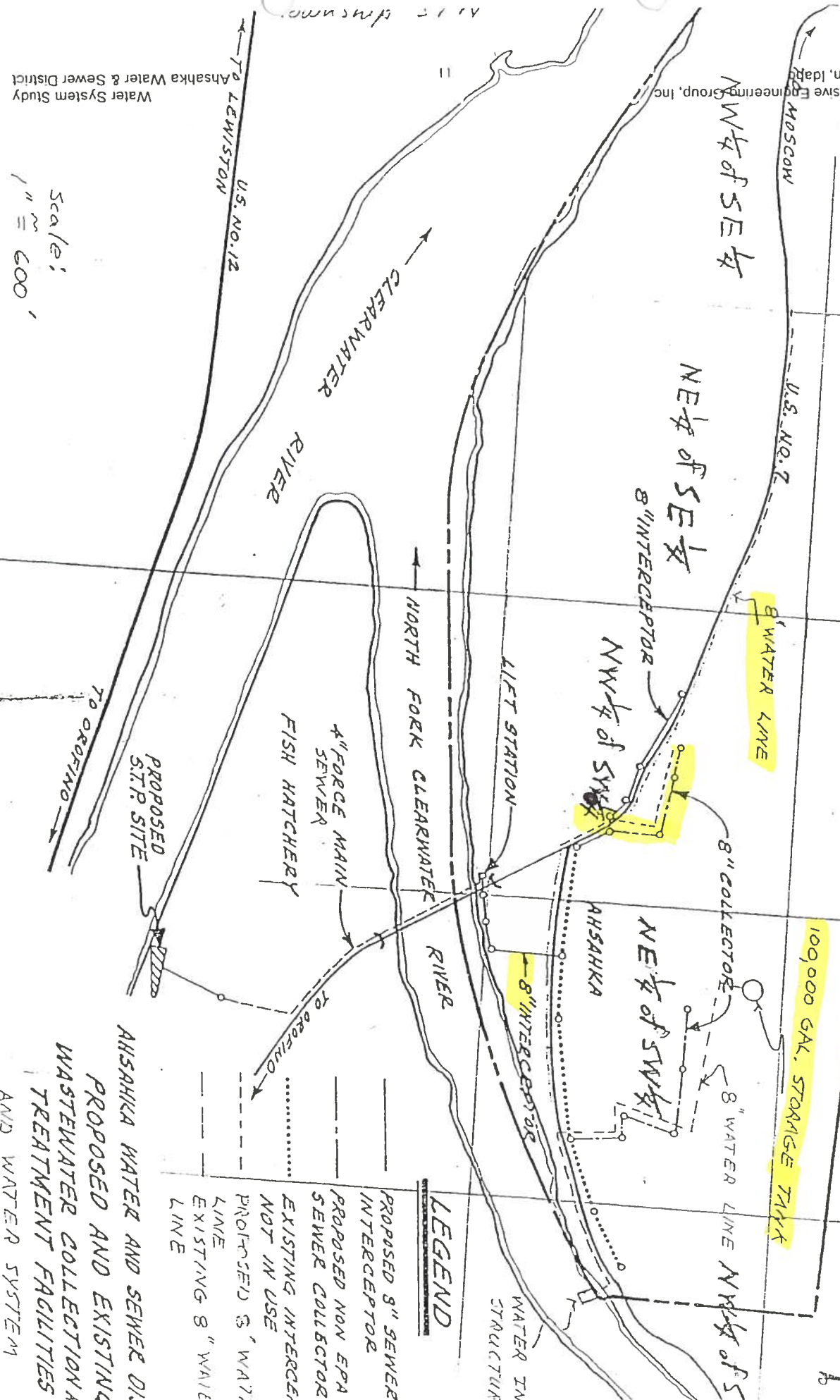
☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other**I. AUTHENTICATION**Field Examiner's Name  Date 5-24-2012Reviewer  Date 7/5/12

FIGURE 2

DISTRICT BOUNDARY MAP & SYSTEM



Water System Study
Ahsahka Water & Sewer District

Progressive Engineering Group, Inc.
Lewisiston, Idaho

RECEIVED
MAR 27 1964
POSTED

PAGE 23

Department of the Interior
Bureau of Reclamation

WELL OWNER: Mercer Bouldin
Name _____
Address Ahsahka Idaho

NATURE OF WORK (check): Replacement well ☐
New well ☒ Deepened ☐ Abandoned ☐

METHOD OF CONSTRUCTION: Rotary ☐ Cable ☒
Dug ☐ Other _____

Steel ☒ concrete ☐ wood ☐ other ☐

33

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0005408

10-25-02

New 2" meter = 00000

10-15-06 40 gpm - new = 51 gpm

10-25-03 6,685,000

10-15-06 Pump 2-7-06 @ 38' @ 54 gpm (Pump failed)
 30,044,000 3-06 @ 47 gpm (605753 Grinded Pump low)
 31,032,000 Goulds 60F 15 (Pump) Franklin 7.5 HP (23-318522) new

1-13-06 well log line 5-26-10 (WTP on line) 100-45-78 → All items 51,340,900

meter 57,340,400 6-1-11
 57,475,300 12-1-11
 57,478,600

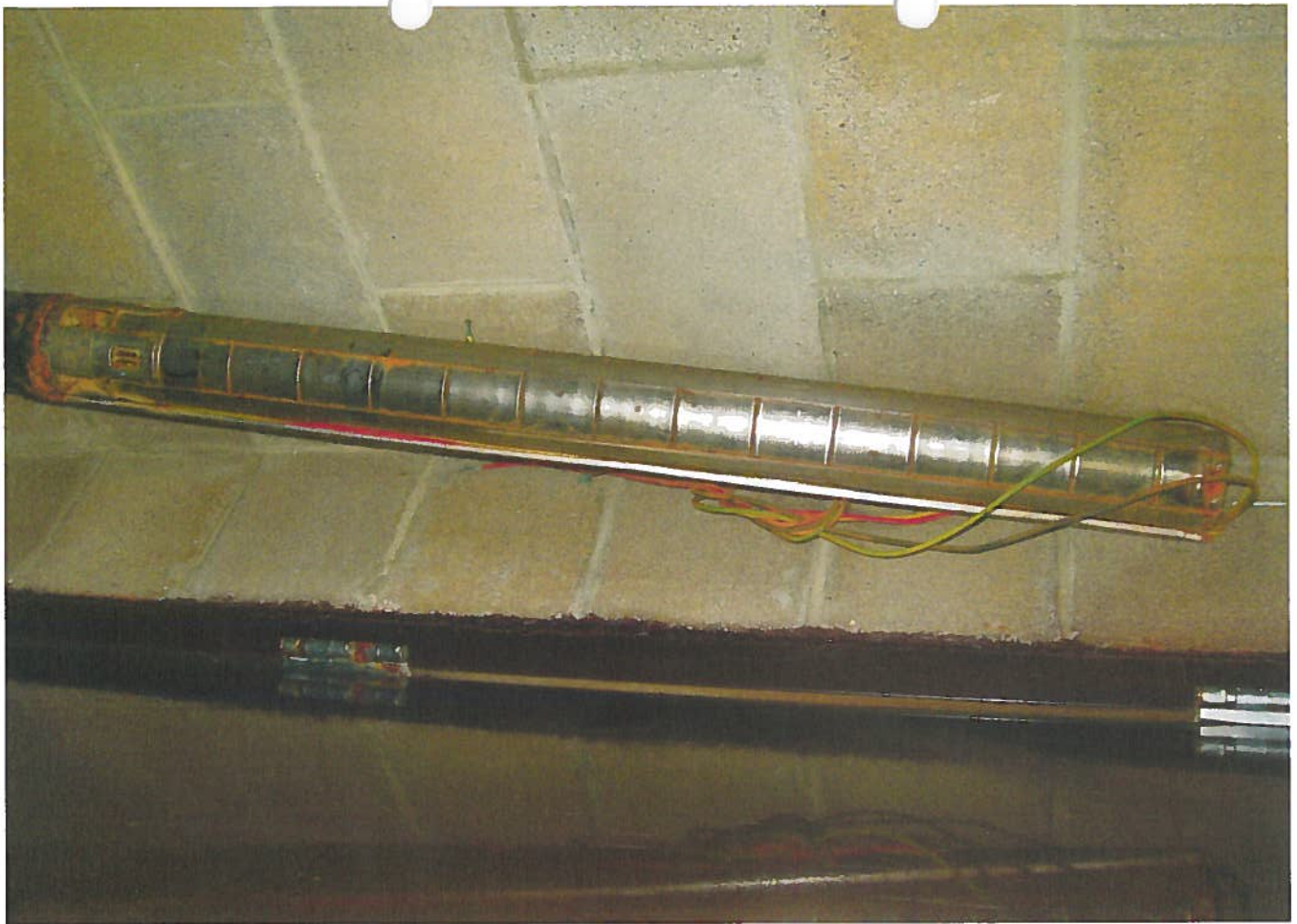
83-11928





83- 11928





83 - 11928



THIS LABEL IDENTIFIES THE FRANKLIN
SUBMERSIBLE MOTOR USED IN THIS WELL.
PLEASE DISPLAY PROMINENTLY. A SUGGESTED
LOCATION IS THE DISCONNECT BOX.

MODEL 2343187004 HP 7.5 KW 5.5 PH 3
VOLTS 230 RPM 3450 HZ 60
AMP 23.0 S.F. MAX. AMP 26.4
SF 1.15 KVA CODE K CONT. DUTY
MIN FLOW FT/SEC 25 CSA CERTIFIED



Franklin Electric
Bluffton, Indiana 46714

MADE IN U.S.A.

155414101 REV. 3

83-11928



OVERLOAD PROTECTION OF THREE PHASE SUBMERSIBLE 4" MOTORS

NOTICE: MAINTAINANCE ON THREE PHASE SUBMERSIBLE MOTORS IS VOID UNLESS A CONTROL OR PROPER QUICK TRIP PROTECTION IN ALL 3 MOTOR LINES IS USED.

The characteristics of submersible motors are different from standard motors and special overload protection is required. Overload protection for submersible motors is provided by the use of a special type of overload relay. This relay is designed to protect the motor from overload and is set to trip at a current value which is 125% of the motor's full load current. This relay is designed to trip at a current value which is 125% of the motor's full load current. This relay is designed to trip at a current value which is 125% of the motor's full load current.

The tables below list correct selections and settings for various motor combinations. Approval of other types may be requested from Franklin Electric.

60 HERTZ 4" MOTORS

HP	FRAME	STATOR	SYSTEM USE FRANKLIN RELAYS		ADJUSTABLE		RELAYS FOR OVERLOAD PROTECT		RELAYS FOR OVERLOAD PROTECT
			FRANKLIN	RELAY	RELAY	RELAY	RELAY	RELAY	
1/2	100	100	100	100	100	100	100	100	100
3/4	100	100	100	100	100	100	100	100	100
1	100	100	100	100	100	100	100	100	100
1 1/2	100	100	100	100	100	100	100	100	100
2	100	100	100	100	100	100	100	100	100
3	100	100	100	100	100	100	100	100	100
4	100	100	100	100	100	100	100	100	100
5	100	100	100	100	100	100	100	100	100
6	100	100	100	100	100	100	100	100	100
7 1/2	100	100	100	100	100	100	100	100	100
10	100	100	100	100	100	100	100	100	100
12 1/2	100	100	100	100	100	100	100	100	100
15	100	100	100	100	100	100	100	100	100
20	100	100	100	100	100	100	100	100	100
25	100	100	100	100	100	100	100	100	100
30	100	100	100	100	100	100	100	100	100
35	100	100	100	100	100	100	100	100	100
40	100	100	100	100	100	100	100	100	100
45	100	100	100	100	100	100	100	100	100
50	100	100	100	100	100	100	100	100	100
55	100	100	100	100	100	100	100	100	100
60	100	100	100	100	100	100	100	100	100
65	100	100	100	100	100	100	100	100	100
70	100	100	100	100	100	100	100	100	100
75	100	100	100	100	100	100	100	100	100
80	100	100	100	100	100	100	100	100	100
85	100	100	100	100	100	100	100	100	100
90	100	100	100	100	100	100	100	100	100
95	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100

50 HERTZ 4" MOTORS

HP	FRAME	STATOR	SYSTEM USE FRANKLIN RELAYS		ADJUSTABLE		RELAYS FOR OVERLOAD PROTECT		RELAYS FOR OVERLOAD PROTECT
			FRANKLIN	RELAY	RELAY	RELAY	RELAY	RELAY	
1/2	100	100	100	100	100	100	100	100	100
3/4	100	100	100	100	100	100	100	100	100
1	100	100	100	100	100	100	100	100	100
1 1/2	100	100	100	100	100	100	100	100	100
2	100	100	100	100	100	100	100	100	100
3	100	100	100	100	100	100	100	100	100
4	100	100	100	100	100	100	100	100	100
5	100	100	100	100	100	100	100	100	100
6	100	100	100	100	100	100	100	100	100
7 1/2	100	100	100	100	100	100	100	100	100
10	100	100	100	100	100	100	100	100	100
12 1/2	100	100	100	100	100	100	100	100	100
15	100	100	100	100	100	100	100	100	100
20	100	100	100	100	100	100	100	100	100
25	100	100	100	100	100	100	100	100	100
30	100	100	100	100	100	100	100	100	100
35	100	100	100	100	100	100	100	100	100
40	100	100	100	100	100	100	100	100	100
45	100	100	100	100	100	100	100	100	100
50	100	100	100	100	100	100	100	100	100
55	100	100	100	100	100	100	100	100	100
60	100	100	100	100	100	100	100	100	100
65	100	100	100	100	100	100	100	100	100
70	100	100	100	100	100	100	100	100	100
75	100	100	100	100	100	100	100	100	100
80	100	100	100	100	100	100	100	100	100
85	100	100	100	100	100	100	100	100	100
90	100	100	100	100	100	100	100	100	100
95	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100

NOTE 1: Frame identification does not indicate which motor size applies where (1) is shown in tables, size 1/2 is indicated by 1/2, and 3/4 is indicated by 3/4. Frames listed apply to motors in design and (Indicate Purpose Class, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200, 210, 220, 230, 240, 250, 260, 270, 280, 290, 300, 310, 320, 330, 340, 350, 360, 370, 380, 390, 400, 410, 420, 430, 440, 450, 460, 470, 480, 490, 500, 510, 520, 530, 540, 550, 560, 570, 580, 590, 600, 610, 620, 630, 640, 650, 660, 670, 680, 690, 700, 710, 720, 730, 740, 750, 760, 770, 780, 790, 800, 810, 820, 830, 840, 850, 860, 870, 880, 890, 900, 910, 920, 930, 940, 950, 960, 970, 980, 990, 1000, 1010, 1020, 1030, 1040, 1050, 1060, 1070, 1080, 1090, 1100, 1110, 1120, 1130, 1140, 1150, 1160, 1170, 1180, 1190, 1200, 1210, 1220, 1230, 1240, 1250, 1260, 1270, 1280, 1290, 1300, 1310, 1320, 1330, 1340, 1350, 1360, 1370, 1380, 1390, 1400, 1410, 1420, 1430, 1440, 1450, 1460, 1470, 1480, 1490, 1500, 1510, 1520, 1530, 1540, 1550, 1560, 1570, 1580, 1590, 1600, 1610, 1620, 1630, 1640, 1650, 1660, 1670, 1680, 1690, 1700, 1710, 1720, 1730, 1740, 1750, 1760, 1770, 1780, 1790, 1800, 1810, 1820, 1830, 1840, 1850, 1860, 1870, 1880, 1890, 1900, 1910, 1920, 1930, 1940, 1950, 1960, 1970, 1980, 1990, 2000, 2010, 2020, 2030, 2040, 2050, 2060, 2070, 2080, 2090, 2100, 2110, 2120, 2130, 2140, 2150, 2160, 2170, 2180, 2190, 2200, 2210, 2220, 2230, 2240, 2250, 2260, 2270, 2280, 2290, 2300, 2310, 2320, 2330, 2340, 2350, 2360, 2370, 2380, 2390, 2400, 2410, 2420, 2430, 2440, 2450, 2460, 2470, 2480, 2490, 2500, 2510, 2520, 2530, 2540, 2550, 2560, 2570, 2580, 2590, 2600, 2610, 2620, 2630, 2640, 2650, 2660, 2670, 2680, 2690, 2700, 2710, 2720, 2730, 2740, 2750, 2760, 2770, 2780, 2790, 2800, 2810, 2820, 2830, 2840, 2850, 2860, 2870, 2880, 2890, 2900, 2910, 2920, 2930, 2940, 2950, 2960, 2970, 2980, 2990, 3000, 3010, 3020, 3030, 3040, 3050, 3060, 3070, 3080, 3090, 3100, 3110, 3120, 3130, 3140, 3150, 3160, 3170, 3180, 3190, 3200, 3210, 3220, 3230, 3240, 3250, 3260, 3270, 3280, 3290, 3300, 3310, 3320, 3330, 3340, 3350, 3360, 3370, 3380, 3390, 3400, 3410, 3420, 3430, 3440, 3450, 3460, 3470, 3480, 3490, 3500, 3510, 3520, 3530, 3540, 3550, 3560, 3570, 3580, 3590, 3600, 3610, 3620, 3630, 3640, 3650, 3660, 3670, 3680, 3690, 3700, 3710, 3720, 3730, 3740, 3750, 3760, 3770, 3780, 3790, 3800, 3810, 3820, 3830, 3840, 3850, 3860, 3870, 3880, 3890, 3900, 3910, 3920, 3930, 3940, 3950, 3960, 3970, 3980, 3990, 4000, 4010, 4020, 4030, 4040, 4050, 4060, 4070, 4080, 4090, 4100, 4110, 4120, 4130, 4140, 4150, 4160, 4170, 4180, 4190, 4200, 4210, 4220, 4230, 4240, 4250, 4260, 4270, 4280, 4290, 4300, 4310, 4320, 4330, 4340, 4350, 4360, 4370, 4380, 4390, 4400, 4410, 4420, 4430, 4440, 4450, 4460, 4470, 4480, 4490, 4500, 4510, 4520, 4530, 4540, 4550, 4560, 4570, 4580, 4590, 4600, 4610, 4620, 4630, 4640, 4650, 4660, 4670, 4680, 4690, 4700, 4710, 4720, 4730, 4740, 4750, 4760, 4770, 4780, 4790, 4800, 4810, 4820, 4830, 4840, 4850, 4860, 4870, 4880, 4890, 4900, 4910, 4920, 4930, 4940, 4950, 4960, 4970, 4980, 4990, 5000, 5010, 5020, 5030, 5040, 5050, 5060, 5070, 5080, 5090, 5100, 5110, 5120, 5130, 5140, 5150, 5160, 5170, 5180, 5190, 5200, 5210, 5220, 5230, 5240, 5250, 5260, 5270, 5280, 5290, 5300, 5310, 5320, 5330, 5340, 5350, 5360, 5370, 5380, 5390, 5400, 5410, 5420, 5430, 5440, 5450, 5460, 5470, 5480, 5490, 5500, 5510, 5520, 5530, 5540, 5550, 5560, 5570, 5580, 5590, 5600, 5610, 5620, 5630, 5640, 5650, 5660, 5670, 5680, 5690, 5700, 5710, 5720, 5730, 5740, 5750, 5760, 5770, 5780, 5790, 5800, 5810, 5820, 5830, 5840, 5850, 5860, 5870, 5880, 5890, 5900, 5910, 5920, 5930, 5940, 5950, 5960, 5970, 5980, 5990, 6000, 6010, 6020, 6030, 6040, 6050, 6060, 6070, 6080, 6090, 6100, 6110, 6120, 6130, 6140, 6150, 6160, 6170, 6180, 6190, 6200, 6210, 6220, 6230, 6240, 6250, 6260, 6270, 6280, 6290, 6300, 6310, 6320, 6330, 6340, 6350, 6360, 6370, 6380, 6390, 6400, 6410, 6420, 6430, 6440, 6450, 6460, 6470, 6480, 6490, 6500, 6510, 6520, 6530, 6540, 6550, 6560, 6570, 6580, 6590, 6600, 6610, 6620, 6630, 6640, 6650, 6660, 6670, 6680, 6690, 6700, 6710, 6720, 6730, 6740, 6750, 6760, 6770, 6780, 6790, 6800, 6810, 6820, 6830, 6840, 6850, 6860, 6870, 6880, 6890, 6900, 6910, 6920, 6930, 6940, 6950, 6960, 6970, 6980, 6990, 7000, 7010, 7020, 7030, 7040, 7050, 7060, 7070, 7080, 7090, 7100, 7110, 7120, 7130, 7140, 7150, 7160, 7170, 7180, 7190, 7200, 7210, 7220, 7230, 7240, 7250, 7260, 7270, 7280, 7290, 7300, 7310, 7320, 7330, 7340, 7350, 7360, 7370, 7380, 7390, 7400, 7410, 7420, 7430, 7440, 7450, 7460, 7470, 7480, 7490, 7500, 7510, 7520, 7530, 7540, 7550, 7560, 7570, 7580, 7590, 7600, 7610, 7620, 7630, 7640, 7650, 7660, 7670, 7680, 7690, 7700, 7710, 7720, 7730, 7740, 7750, 7760, 7770, 7780, 7790, 7800, 7810, 7820, 7830, 7840, 7850, 7860, 7870, 7880, 7890, 7900, 7910, 7920, 7930, 7940, 7950, 7960, 7970, 7980, 7990, 8000, 8010, 8020, 8030, 8040, 8050, 8060, 8070, 8080, 8090, 8100, 8110, 8120, 8130, 8140, 8150, 8160, 8170, 8180, 8190, 8200, 8210, 8220, 8230, 8240, 8250, 8260, 8270, 8280, 8290, 8300, 8310, 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