WELL ANALYSIS CORPORATION

AUDIO DETECTION SURVEY

FILING NO.

COMPANY: SOUTHERN CALIF. GAS CO.
WELL: PORTER 26E
FIELD: ALISO CANYON
COUNTY: LOS ANGELES STATE: CALIFORNIA

LOCATION:
DISTRICT 2

API NUMBER: 0403721319
SEC: 28 TWN: 3N RNG: 16W

QC

OTHER SVC:

PERMANENT DATUM: GROUND LEVEL ELEV:

LOG MEASURED FROM KB 12' ABOVE PERM DATUM

DRILLING MEASURED FROM

-ELEVATIONS-
KB: Ft.
DF: Ft.
GL: Ft.

DATE LOG RAN	10-24-2013	PRESSURE	FLOWING	INJECTION	SHUT-IN
RUN NUMBER	ONE	TUBING PSI			2690
EFFECTIVE DEPTH	7912' PLUG	CASING PSI			1400
PICKUP DEPTH	7832'	INJECTION RATE	N/A		
BOT LOGGED INT	7832'	OBSERVED RATE	N/A		
TOP LOGGED INT	50'	R/A SOURCE	N/A		
TYPE OF INJECT	NONE	ACTIVITY	N/A		
FLUID IN WELL	GAS	HALF LIFE	N/A		
FLUID LEVEL	N/A				
WELL STATUS	STATIC			PRODUCTION DATA	
MAX TEMPERATURE	152.4 F.	OIL Gr.		OIL =	
AT DEPTH	7250.5'	GAS Gr.		GAS=	
TEMPERATURE SENS	1 F/DIV.	MPP		BHP =	
LOGGING SPEED	100 FPM			WATER=	
RECORDED BY	S. MACIAS				
WITNESSED BY	N/A				
ENGINEER	A. KARGAR				
DEPTH CORRELATION	PACKER				

Equipment Data

COLLAR LOCATOR	1.375"		
TEMPERATURE TOOL	1.375"		
AUDIO DETECTOR	1.375"		

Remarks/Survey Results

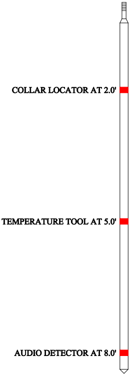
SURVEY INDICATES SLIGHT LEAK AT WELL HEAD.
PLEASE NOTE: TOOL MOVING SLOW FROM 50'.
07:00 AM- ON LOCATION
08:00 AM- RAN IN HOLE
09:32 AM- BEGIN SURVEY
02:00 PM- PULL OUT OF HOLE
03:00 PM- OFF LOCATION

CASING AND TUBING RECORD

SIZE	WT(#)	FROM	TO	SIZE	WT(#)	FROM	TO
8.625"	36	SURFACE	7400'				
6.625"	24	7398'	7912'				
2.875"	6.5	SURFACE	7397'				

STR.	PIPE DIA.	PERFORATIONS
A	8.625"	SQUEEZED: 7300'-7359'. .
	6.625"	7540'-7545', 7568'-7572', 7613'-7676',
		7691'-7761', 7798'-7808', 7822'-7854',
		7860'-7912'.
		PACKERS: 7394'-7397'.
		MANDRELS: 7263'-7273'.
		SLEEVES: 7319'.
		NO-GO: 7353'.
		COLLARS: 2943'.

TOOL DIAGRAM



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     Audio Data:  C:/DATA/\NOISE.txt
   -------------------------------------------------
      DEPTH |   200HZ |   600HZ |  1000HZ |  2000HZ |
   -------------------------------------------------
         50 |    4.40 |    3.80 |    2.80 |    2.00 |
        200 |    4.40 |    3.90 |    2.80 |    2.00 |
        400 |    4.30 |    3.80 |    2.70 |    2.00 |
        600 |    4.40 |    3.90 |    2.70 |    1.90 |
        800 |    4.10 |    3.60 |    2.60 |    1.90 |
       1000 |    4.10 |    3.70 |    2.60 |    1.90 |
       1200 |    4.20 |    3.70 |    2.70 |    1.90 |
       1400 |    4.00 |    3.60 |    2.60 |    1.90 |
       1600 |    3.90 |    3.60 |    2.60 |    1.90 |
       1800 |    4.00 |    3.70 |    2.60 |    1.90 |
       2000 |    4.00 |    3.60 |    2.60 |    1.90 |
       2200 |    4.00 |    3.70 |    2.70 |    1.90 |
       2400 |    4.00 |    3.70 |    2.70 |    2.10 |
       2600 |    4.00 |    3.70 |    2.70 |    2.00 |
       2800 |    4.30 |    3.90 |    3.00 |    2.40 |
       2820 |    4.20 |    3.90 |    3.00 |    2.40 |
       2840 |    4.30 |    4.10 |    3.10 |    2.60 |
       2850 |    4.50 |    4.20 |    3.30 |    2.60 |
       2860 |    4.40 |    4.10 |    3.30 |    2.70 |
       2870 |    4.50 |    4.30 |    3.40 |    2.90 |
       2880 |    4.70 |    4.50 |    3.60 |    3.10 |
       2890 |    4.90 |    4.60 |    3.80 |    3.30 |
       2900 |    5.80 |    5.60 |    4.90 |    4.60 |
       2905 |    5.80 |    5.60 |    5.00 |    4.70 |
       2910 |    6.70 |    6.50 |    6.00 |    5.70 |
       2915 |    8.20 |    8.00 |    7.60 |    7.30 |
       2920 |   11.40 |   11.30 |   11.00 |   10.80 |
       2925 |    8.20 |    8.10 |    7.70 |    7.40 |
       2930 |    5.00 |    4.90 |    4.30 |    4.00 |
       2935 |    5.20 |    5.00 |    4.40 |    4.00 |
       2940 |    4.90 |    4.60 |    3.80 |    3.30 |
       2945 |    4.90 |    4.70 |    3.90 |    3.50 |
       2950 |    4.30 |    4.10 |    3.20 |    2.70 |
       2955 |    4.40 |    4.10 |    3.20 |    2.70 |
       2960 |    4.30 |    4.00 |    3.00 |    2.40 |
       2965 |    4.30 |    4.00 |    3.10 |    2.50 |
       2970 |    4.30 |    4.00 |    3.00 |    2.30 |
       2975 |    4.50 |    4.10 |    3.20 |    2.40 |
       2980 |    4.20 |    3.90 |    2.90 |    2.30 |
       2985 |    4.10 |    3.80 |    2.80 |    2.20 |
       2990 |    4.90 |    4.40 |    3.40 |    2.60 |
       3000 |    4.10 |    3.80 |    2.80 |    2.10 |
       3010 |    4.00 |    3.70 |    2.70 |    2.10 |
       3020 |    4.20 |    3.80 |    2.80 |    2.10 |
       3030 |    4.10 |    3.80 |    2.80 |    2.10 |
       3040 |    4.00 |    3.70 |    2.70 |    2.00 |
       3050 |    4.30 |    3.90 |    2.90 |    2.10 |
       3070 |    4.20 |    3.90 |    2.80 |    2.10 |
       3060 |    4.00 |    3.70 |    2.70 |    2.00 |
       3080 |    4.40 |    4.00 |    3.00 |    2.20 |
       3090 |    4.10 |    3.80 |    2.70 |    2.00 |
       3100 |    4.10 |    3.70 |    2.70 |    2.00 |
       3120 |    4.00 |    3.70 |    2.70 |    2.00 |
       3140 |    4.10 |    3.80 |    2.70 |    2.00 |
       3160 |    4.70 |    4.20 |    3.20 |    2.20 |
       3180 |    4.10 |    3.80 |    2.70 |    2.00 |
       3201 |    4.80 |    3.70 |    2.70 |    2.00 |
       3250 |    4.70 |    3.80 |    2.80 |    2.00 |
       3300 |    5.00 |    4.60 |    3.80 |    2.90 |
       3350 |    4.00 |    3.60 |    2.70 |    1.90 |
       3400 |    4.00 |    3.70 |    2.70 |    2.00 |
       3600 |    4.00 |    3.70 |    2.80 |    2.00 |
       3800 |    4.40 |    3.80 |    2.90 |    2.10 |
       4000 |    4.50 |    3.90 |    3.00 |    2.10 |
       4200 |    4.40 |    3.90 |    2.90 |    2.00 |
       4400 |    4.50 |    4.00 |    3.10 |    2.00 |
       4600 |    4.90 |    4.30 |    3.50 |    2.10 |
       4800 |    5.10 |    4.70 |    3.90 |    2.10 |
       5000 |    5.70 |    5.20 |    4.50 |    2.10 |
       5200 |    6.10 |    5.80 |    5.20 |    2.20 |
       5400 |    6.70 |    6.40 |    5.80 |    2.40 |
       5600 |    7.20 |    6.90 |    6.40 |    2.70 |
       5800 |    9.50 |    9.30 |    8.90 |    3.30 |
       6000 |    9.40 |    9.20 |    8.70 |    3.80 |
       6200 |   12.00 |   11.90 |   11.40 |    5.40 |
       6400 |   15.30 |   15.20 |   14.80 |    8.20 |
       6600 |   19.60 |   19.50 |   19.20 |   10.90 |
       6800 |   25.00 |   24.90 |   24.60 |   15.00 |
       7000 |   35.40 |   35.30 |   35.10 |   24.60 |
       7200 |   44.30 |   44.20 |   44.00 |   29.60 |
       7220 |   55.00 |   54.90 |   54.70 |   39.30 |
       7240 |   51.30 |   51.10 |   50.90 |   38.60 |
       7250 |   47.90 |   47.80 |   47.60 |   35.60 |
       7260 |   52.30 |   52.00 |   51.70 |   36.70 |
       7270 |   54.00 |   53.80 |   53.50 |   41.50 |
       7275 |   55.20 |   55.10 |   54.90 |   37.80 |
       7280 |   74.40 |   74.30 |   74.20 |   62.40 |
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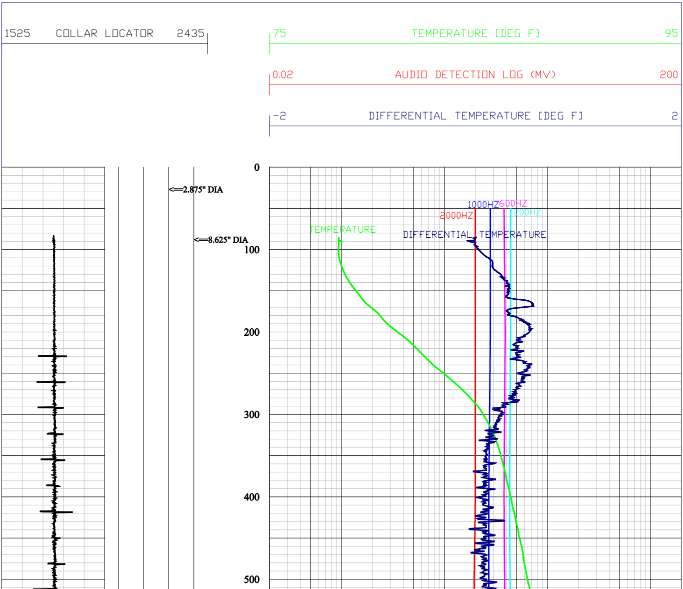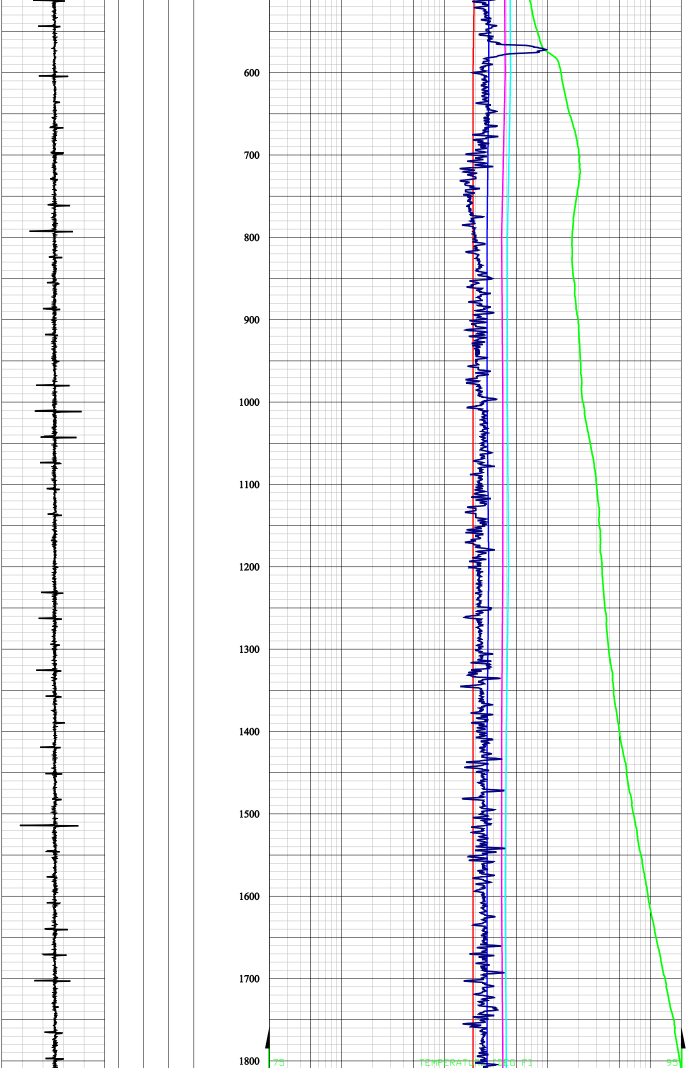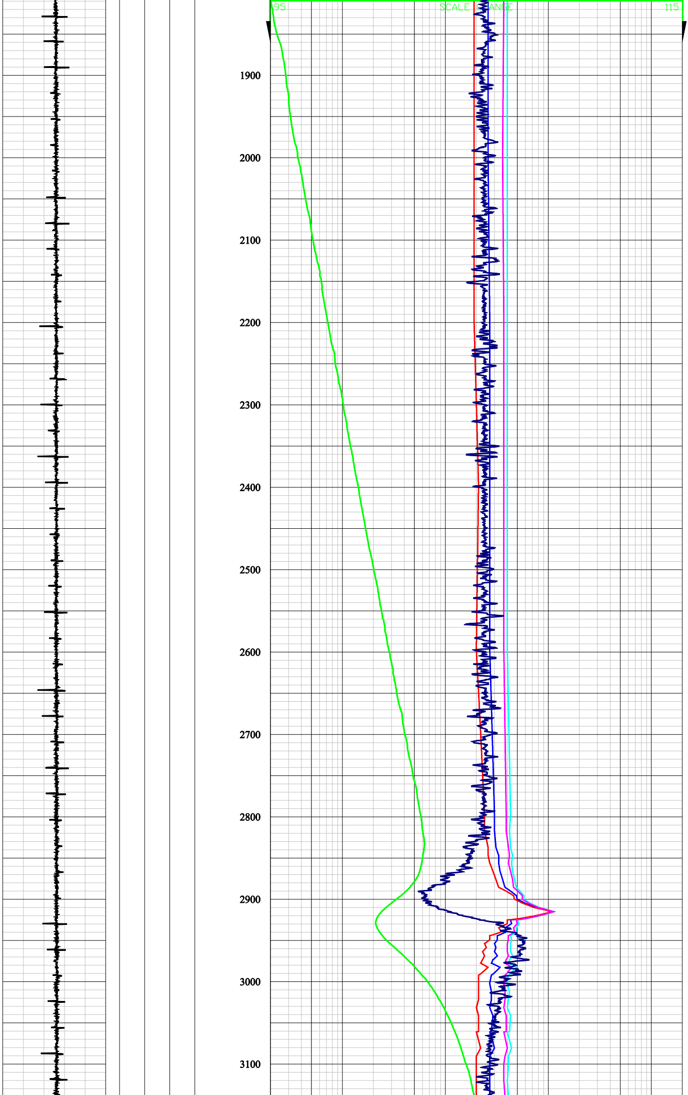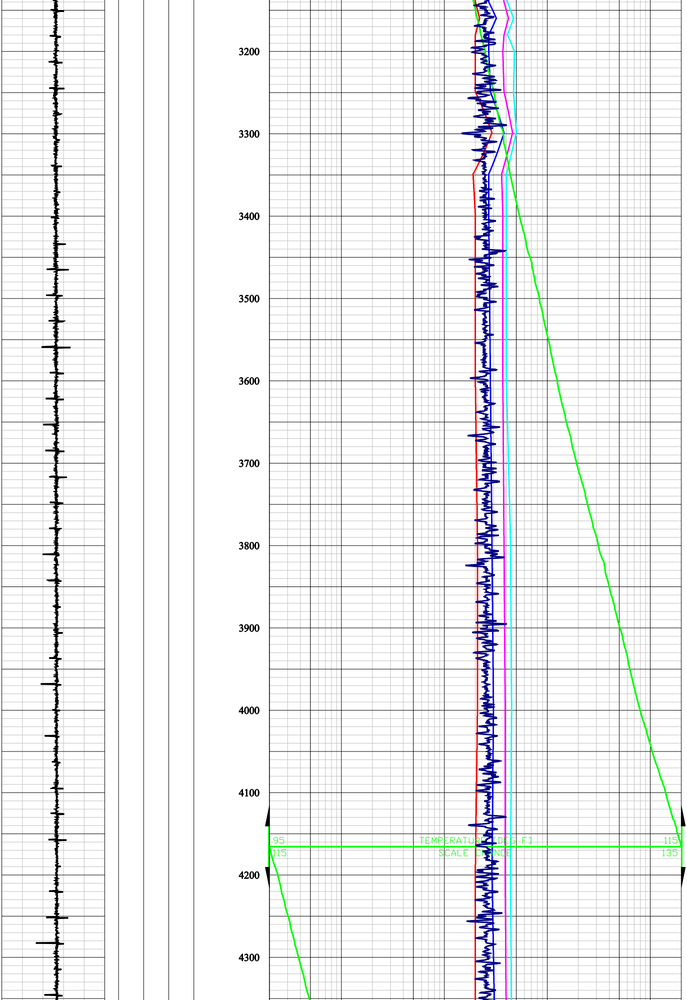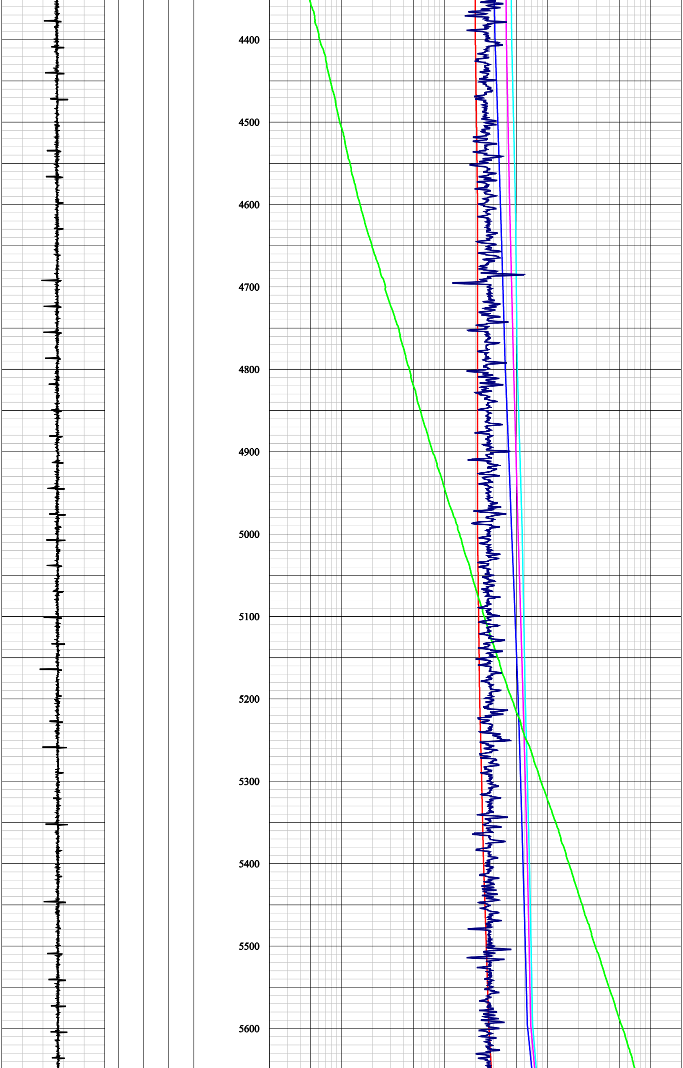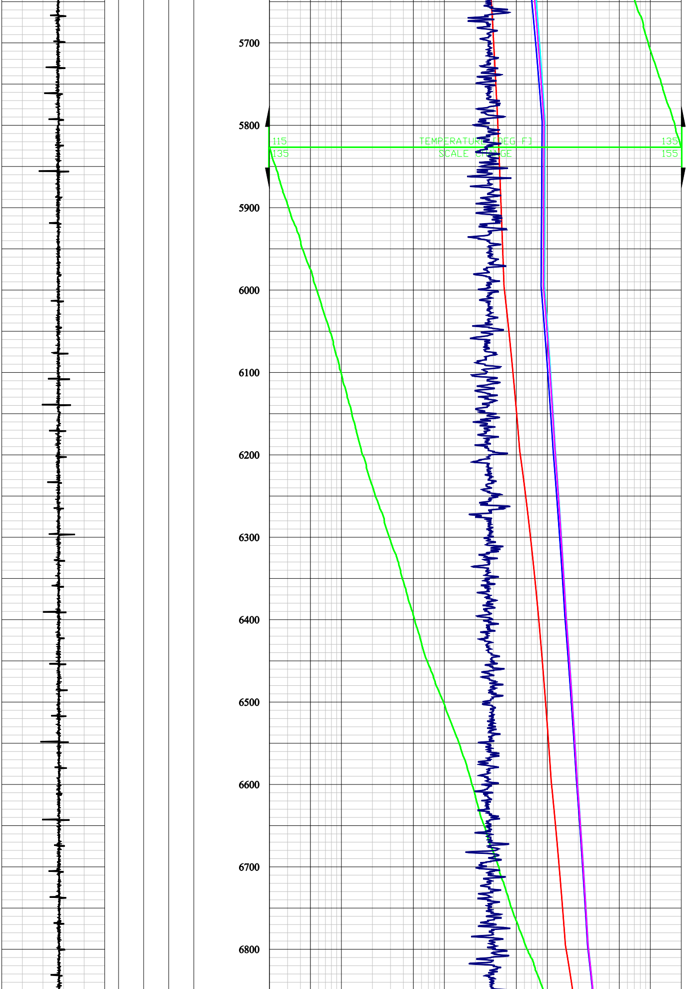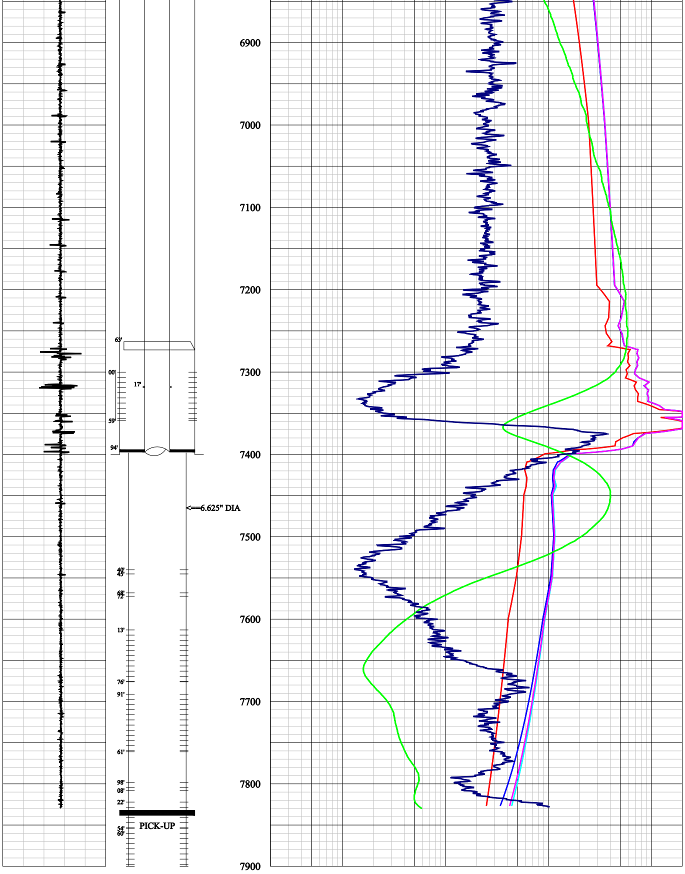7285	72.80	72.70	72.50	59.30
7290	75.90	75.90	75.60	60.10
7295	72.80	72.70	72.40	58.80
7300	73.90	73.80	73.50	62.10
7305	70.60	70.40	70.10	57.00
7310	69.20	69.10	68.80	58.50
7315	76.70	76.60	76.40	56.20
7320	95.60	95.50	95.00	71.70
7325	85.70	85.60	85.10	68.20
7330	94.50	94.30	94.00	70.50
7335	91.70	91.50	91.10	75.10
7340	94.30	94.20	93.90	73.80
7345	94.00	93.20	92.80	73.70
7350	119.50	119.30	119.10	97.60
7355	136.40	136.30	136.00	121.30
7365	446.30	445.40	444.30	428.80
7363	626.60	616.60	611.40	584.00
7360	272.50	272.30	272.10	262.90
7357	143.30	143.10	142.20	125.10
7355	137.30	136.20	135.80	123.90
7365	302.10	302.00	301.60	283.90
7370	181.70	181.40	180.30	165.50
7375	87.90	87.70	86.20	67.40
7380	75.50	75.30	74.80	53.10
7385	70.40	70.30	67.90	45.20
7390	66.50	66.40	66.00	44.50
7395	48.20	48.10	47.90	17.90
7400	17.20	16.80	16.40	9.30
7410	13.30	13.20	12.30	6.20
7420	11.70	11.50	11.20	5.90
7430	11.40	11.30	11.00	6.20
7440	12.00	11.60	11.20	6.10
7450	11.10	10.90	10.70	5.80
7500	11.60	11.50	11.30	5.50
7550	11.00	10.90	10.60	4.90
7600	9.30	9.20	8.90	4.10
7829	4.40	4.20	3.40	2.50