WELL ANALYSIS CORPORATION

AUDIO DETECTION SURVEY

FILING NO.	COMPANY: SOUTHERN CALIF. GAS CO.
	WELL: PORTER 69C
	FIELD: ALISO CANYON
	COUNTY: LOS ANGELES STATE: CALIFORNIA
AJ	LOCATION: DISTRICT 2 OTHER SVC:
	API NUMBER: 0403724128
	SEC: 28 TWN: 3N RNG: 16W

PERMANENT DATUM: GROUND LEVEL ELEV: 2366'

LOG MEASURED FROM KB 23.5' ABOVE PERM DATUM

DRILLING MEASURED FROM

-ELEVATIONS-
KB: 2389.5 Ft.
DF: Ft.
GL: 2366 Ft.

DATE LOG RAN	07-16-2010	PRESSURE	FLOWING	INJECTION	SHUT-IN
RUN NUMBER	ONE	TUBING PSI		2850	
EFFECTIVE DEPTH	7881'	CASING PSI		0	
PICKUP DEPTH	N/A	INJECTION RATE		N/A	
BOT LOGGED INT	7600'	OBSERVED RATE		N/A	
TOP LOGGED INT	200'	R/A SOURCE		N/A	
TYPE OF INJECT	GAS	ACTIVITY		N/A	
FLUID IN WELL	GAS	HALF LIFE		N/A	
FLUID LEVEL	N/A				
WELL STATUS	SHUT-IN			PRODUCTION DATA	
MAX TEMPERATURE	148.0 F.	OIL Gr.		OIL =	
AT DEPTH	7149.0'	GAS Gr.		GAS=	
TEMPERATURE SENS	1 F/DIV.	MPP		BHP =	
LOGGING SPEED	VARIOUS			WATER=	
RECORDED BY	R. LOPEZ				
WITNESSED BY	N/A				
ENGINEER	E.ALARCON				
DEPTH CORRELATION	PACKER				

Equipment Data

Collar Locator	1.375"				
Temperature Tool	1.375"				
AUDIO DETECTOR	1.375"				

Remarks/Survey Results

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SURVEY INDICATES NO ABOVE NORMAL ACTIVITY.
07:30 AM - ON LOCATION

SAND TAG MARKERS: 7339' TOP MP
                  7567' TOP S1
                  7603' TOP S2
                  7653' TOP S4
                  7740' TOP S8
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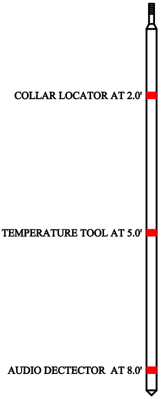
CASING AND TUBING RECORD

SIZE	WT(#)	FROM	TO	SIZE	WT(#)	FROM	TO
13.375"	54.5	SURFACE	1043'				
9.625"	47	SURFACE	7596'				
5.5"	17	7520'	7881'				
2.875"	6.5	SURFACE	7458'				

STR.	PIPE DIA.	PERFORATIONS
A	5.5"	7548'-7881'.
		PACKERS: 7452'-7458'.
		MANDRELS: 7355'-7363'.
		SLEEVES: 7390'-'.
		NO-GO: 7422'.

TOOL DIAGRAM



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     Audio Data:  c:\data\NOISE.txt
  --------------------------------------------------
     DEPTH |   200HZ |   600HZ |  1000HZ |  2000HZ |
  --------------------------------------------------
       500 |   13.60 |   12.80 |    7.30 |    2.40 |
      1000 |   13.40 |   12.60 |    7.30 |    2.30 |
      1050 |   13.60 |   12.80 |    7.40 |    2.40 |
      1100 |   13.50 |   12.70 |    7.20 |    2.40 |
      1150 |   13.60 |   12.80 |    7.30 |    2.40 |
      1200 |   13.60 |   12.80 |    7.20 |    2.40 |
      1250 |   13.50 |   12.70 |    7.20 |    2.40 |
      1300 |   13.60 |   12.80 |    7.10 |    2.40 |
      1350 |   15.00 |   13.50 |    8.20 |    3.60 |
      1400 |   14.40 |   13.30 |    7.90 |    3.30 |
      1450 |   14.30 |   13.30 |    7.60 |    2.60 |
      1500 |   14.00 |   13.10 |    7.30 |    2.40 |
      1550 |   14.60 |   13.60 |    7.70 |    2.90 |
      1600 |   14.80 |   13.40 |    7.80 |    3.00 |
      1650 |   13.60 |   12.80 |    7.10 |    2.50 |
      1700 |   13.20 |   12.40 |    7.00 |    2.30 |
      1750 |   12.60 |   12.00 |    6.10 |    2.30 |
      1800 |   12.70 |   12.10 |    6.30 |    2.30 |
      1850 |   12.60 |   12.00 |    6.10 |    2.30 |
      1900 |   12.60 |   12.00 |    6.30 |    2.30 |
      1950 |   12.60 |   12.00 |    6.10 |    2.30 |
      2000 |   12.70 |   12.10 |    6.20 |    2.30 |
      2050 |   12.60 |   12.00 |    6.20 |    2.30 |
      2100 |   12.60 |   12.00 |    6.20 |    2.30 |
      2150 |   12.60 |   11.90 |    6.20 |    2.30 |
      2200 |   12.80 |   12.20 |    6.20 |    2.30 |
      2250 |   12.70 |   12.10 |    6.20 |    2.30 |
      2300 |   12.50 |   11.90 |    6.20 |    2.30 |
      2350 |   12.60 |   12.00 |    6.20 |    2.30 |
      2450 |   12.40 |   11.90 |    6.20 |    2.30 |
      2500 |   12.50 |   11.90 |    6.20 |    2.30 |
      2550 |   12.50 |   11.90 |    6.20 |    2.30 |
      2600 |   12.50 |   11.90 |    6.20 |    2.30 |
      2700 |   12.30 |   11.80 |    6.10 |    2.30 |
      2750 |   12.40 |   11.90 |    6.00 |    2.30 |
      2800 |   12.40 |   11.90 |    6.10 |    2.30 |
      2850 |   12.40 |   11.80 |    6.00 |    2.30 |
      2900 |   12.40 |   11.80 |    6.00 |    2.30 |
      2950 |   12.30 |   11.80 |    6.00 |    2.30 |
      3000 |   12.30 |   11.80 |    6.00 |    2.40 |
      3050 |   12.20 |   11.70 |    6.00 |    2.30 |
      3100 |   12.30 |   11.80 |    6.10 |    2.30 |
      3150 |   12.20 |   11.80 |    6.10 |    2.30 |
      3200 |   12.30 |   11.70 |    6.00 |    2.30 |
      3250 |   12.40 |   11.90 |    6.10 |    2.40 |
      3300 |   12.20 |   11.70 |    6.00 |    2.30 |
      3350 |   12.10 |   11.70 |    6.00 |    2.30 |
      3400 |   12.30 |   11.80 |    6.10 |    2.40 |
      3450 |   12.40 |   11.80 |    6.30 |    2.40 |
      3500 |   12.10 |   11.60 |    5.90 |    2.30 |
      3550 |   12.10 |   11.70 |    6.10 |    2.30 |
      3600 |   12.10 |   11.70 |    6.10 |    2.30 |
      3650 |   12.10 |   11.70 |    6.10 |    2.30 |
      3700 |   12.10 |   11.70 |    6.20 |    2.30 |
      3750 |   12.10 |   11.70 |    6.00 |    2.30 |
      3800 |   12.00 |   11.60 |    6.00 |    2.30 |
      3850 |   12.20 |   11.80 |    6.00 |    2.40 |
      3900 |   12.20 |   11.80 |    6.00 |    2.30 |
      3950 |   12.00 |   11.60 |    5.90 |    2.30 |
      4000 |   11.70 |   11.40 |    5.70 |    2.30 |
      4100 |   11.80 |   11.40 |    5.90 |    2.40 |
      4200 |   11.90 |   11.50 |    5.90 |    2.40 |
      4300 |   11.80 |   11.40 |    5.80 |    2.40 |
      4400 |   11.80 |   11.40 |    6.00 |    2.40 |
      4500 |   11.60 |   11.30 |    5.80 |    2.40 |
      4600 |   11.70 |   11.40 |    5.90 |    2.40 |
      4700 |   11.70 |   11.40 |    5.90 |    2.40 |
      4800 |   11.70 |   11.40 |    5.80 |    2.40 |
      4900 |   11.60 |   11.30 |    5.80 |    2.40 |
      5000 |   12.50 |   12.10 |    6.20 |    2.40 |
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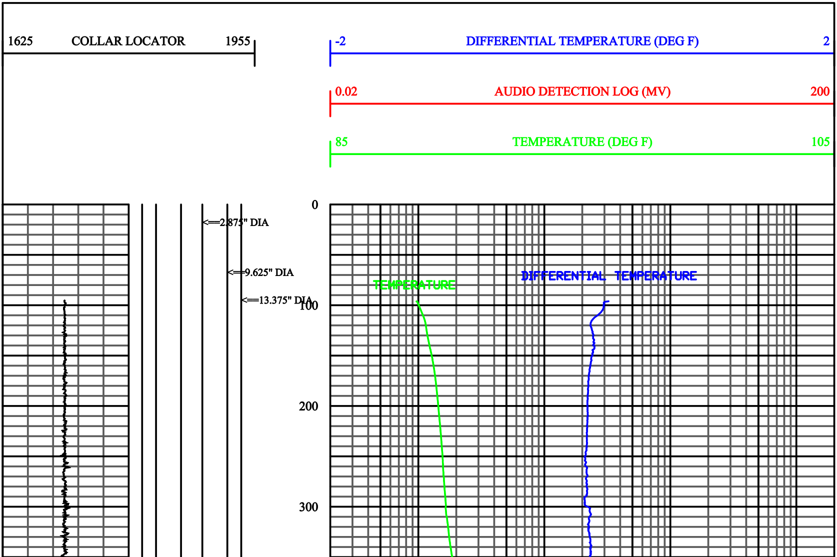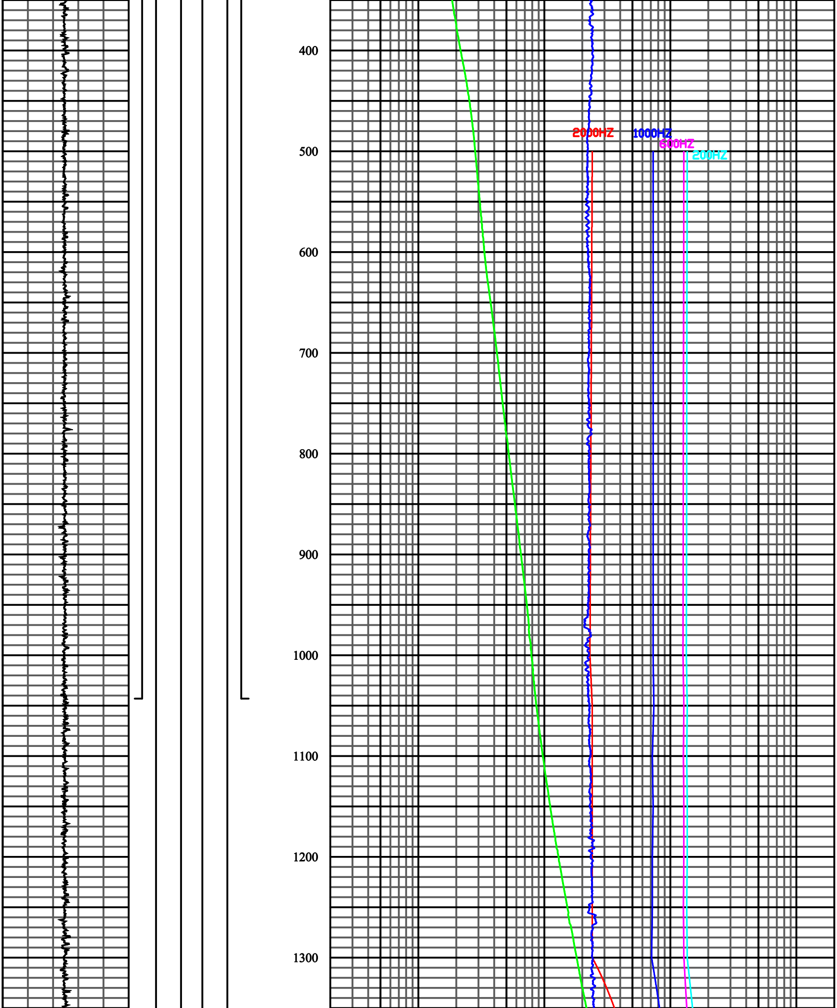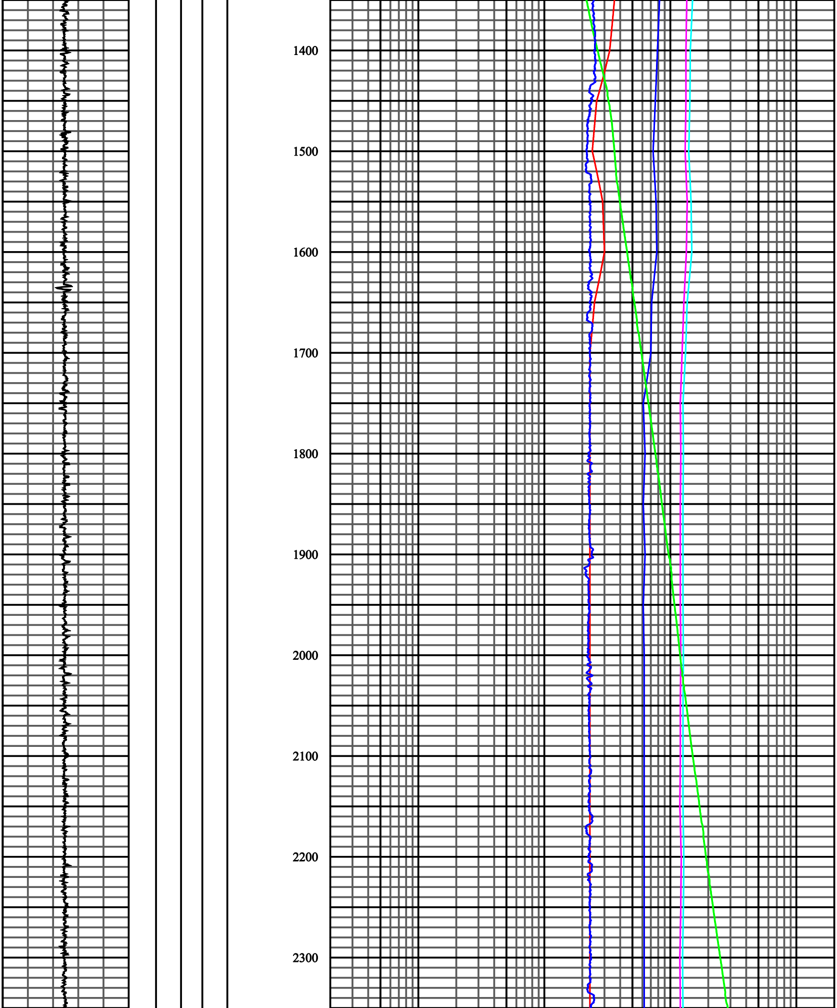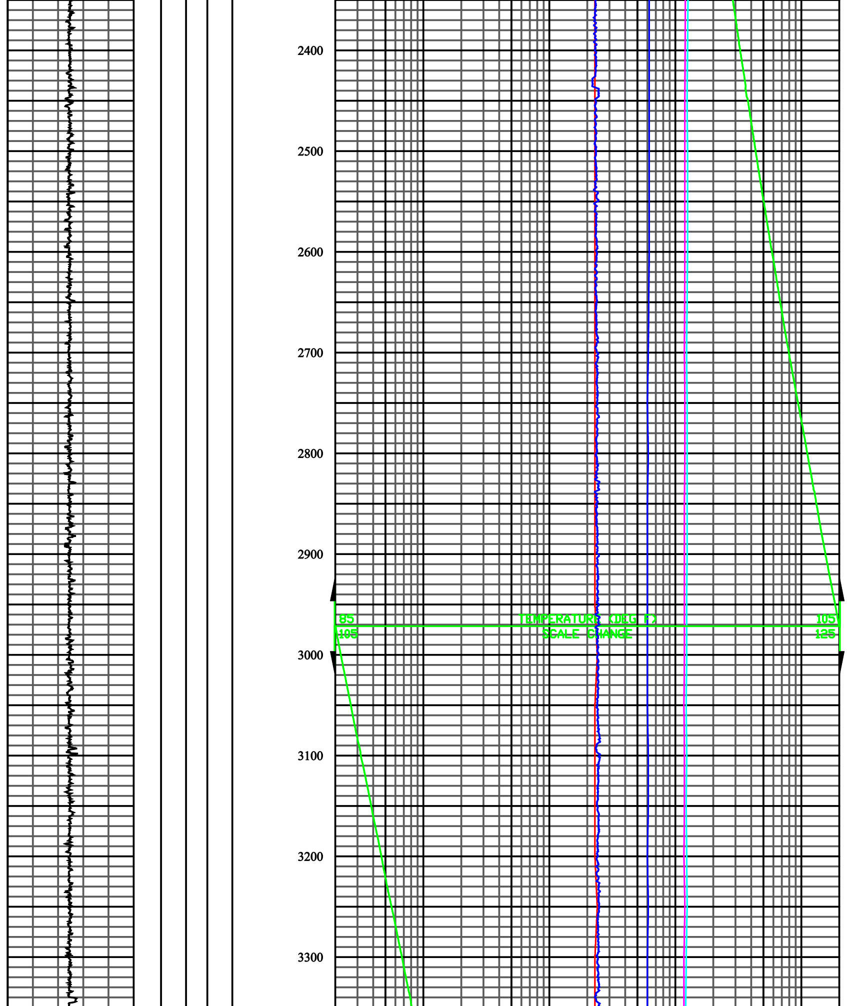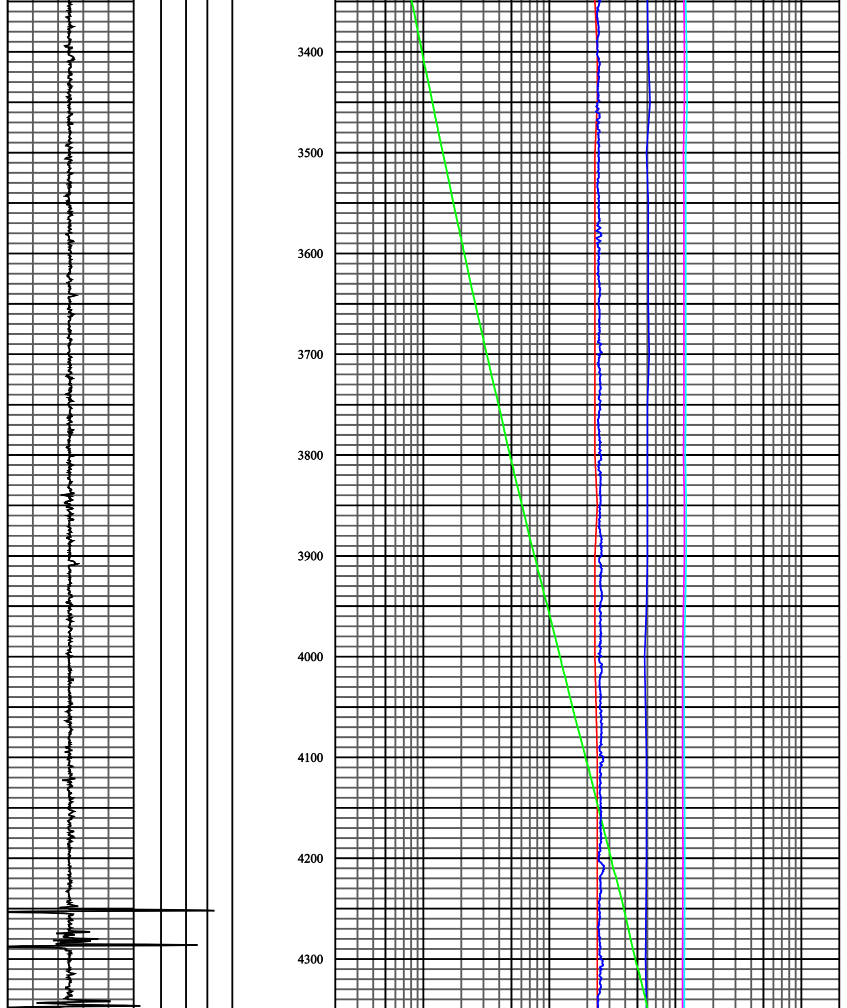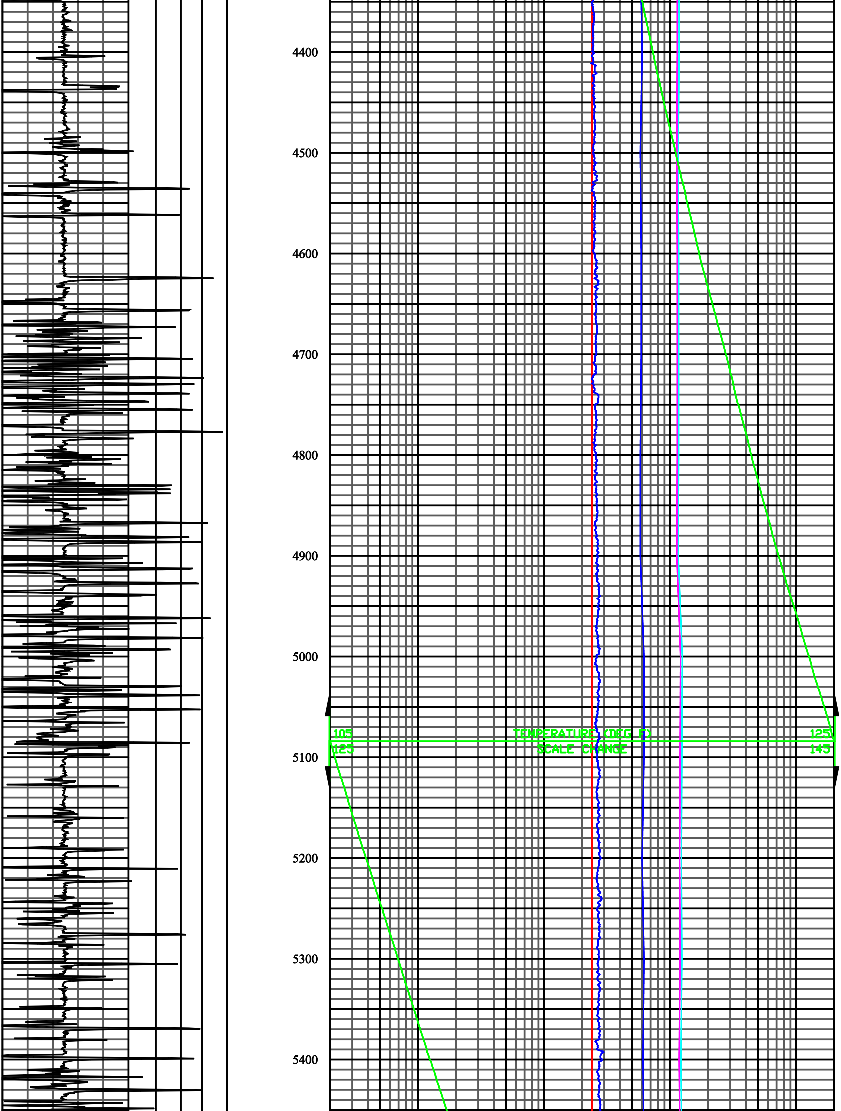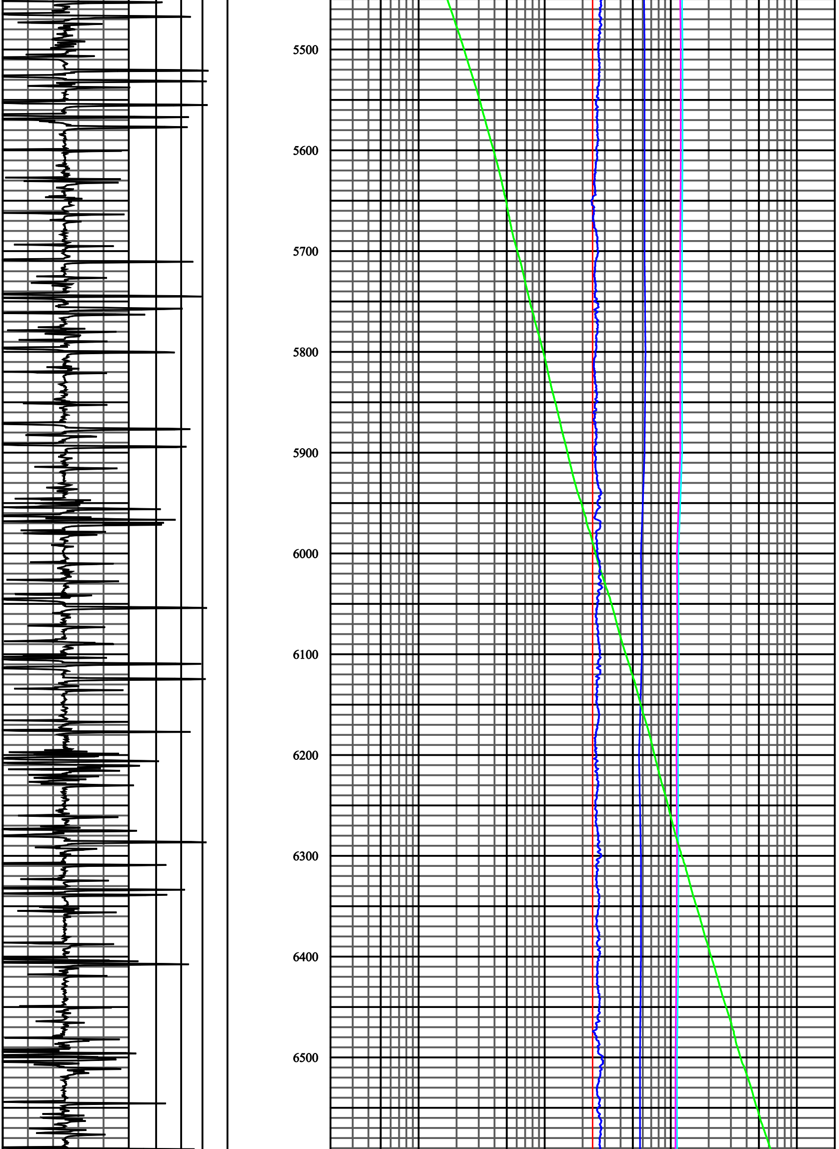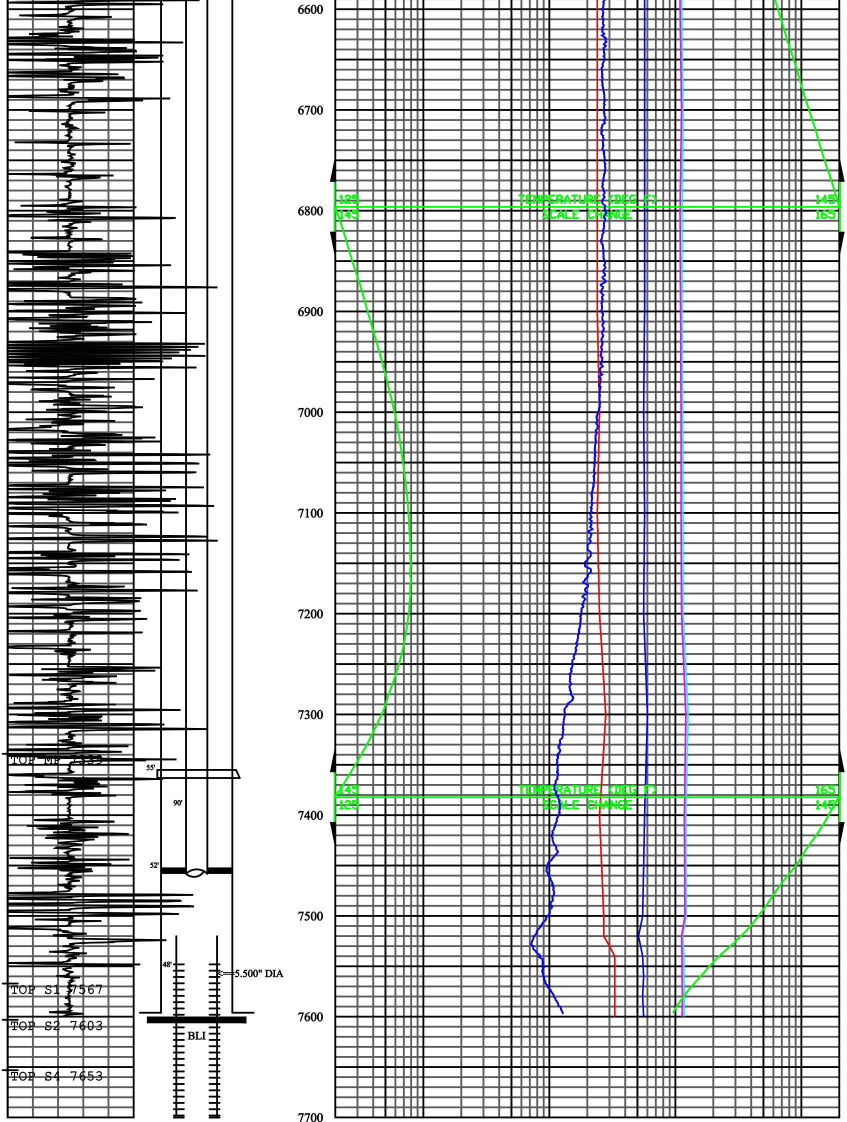5100	12.40	12.00	6.20	2.40
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5300	12.40	12.00	6.20	2.40
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5500	12.40	12.00	6.20	2.40
5600	12.40	12.00	6.20	2.40
5700	12.30	11.90	6.20	2.40
5800	12.30	11.90	6.30	2.40
5900	12.30	11.90	6.20	2.40
6000	11.50	11.20	5.80	2.40
6100	11.60	11.30	5.90	2.40
6200	11.40	11.10	5.60	2.40
6300	11.50	11.20	5.80	2.40
6400	11.50	11.10	5.80	2.40
6500	11.20	10.90	5.70	2.40
6600	11.20	10.90	5.70	2.40
6700	11.50	11.20	5.70	2.40
6800	11.30	10.90	5.70	2.40
6900	11.30	11.00	5.70	2.40
7000	11.40	11.10	5.60	2.50
7100	11.50	11.10	5.70	2.40
7200	11.50	11.20	5.60	2.50
7300	12.60	12.10	6.00	2.80
7400	12.10	11.80	5.70	2.50
7500	12.20	11.90	5.50	2.70
7520	11.40	11.20	5.10	2.70
7540	11.70	11.30	5.50	3.30
7560	11.70	11.30	5.60	3.30
7580	11.80	11.40	5.50	3.30
7600	11.70	11.30	5.60	3.30