WELL ANALYSIS CORPORATION

AUDIO DETECTION SURVEY

FILING NO.

BFW

COMPANY: SOUTHERN CALIF. GAS CO.
WELL: PORTER 69G
FIELD: ALISO CANYON
COUNTY: LOS ANGELES
STATE: CALIFORNIA

LOCATION:
DISTRICT 2

API NUMBER: 0403724225
SEC: 27 TWN: 3N RNG: 16W

OTHER SVC:

-ELEVATIONS-
KB: 2395.00 Ft.
DF: Ft.
GL: 2366.00 Ft.

PERMANENT DATUM: GROUND LEVEL ELEV: 2366.00'

LOG MEASURED FROM KB 29' ABOVE PERM DATUM

DRILLING MEASURED FROM

DATE LOG RAN	03-14-2016	PRESSURE	FLOWING	INJECTION	SHUT-IN
RUN NUMBER	ONE	TUBING PSI			1234
EFFECTIVE DEPTH	8226'	CASING PSI			1234
PICKUP DEPTH	7731'	INJECTION RATE	N|A		
BOT LOGGED INT	7731'	OBSERVED RATE	N|A		
TOP LOGGED INT	100'	R/A SOURCE	N|A		
TYPE OF INJECT	NONE	ACTIVITY	N|A		
FLUID IN WELL	GAS	HALF LIFE	N|A		
FLUID LEVEL	SURFACE				
WELL STATUS	STATIC			PRODUCTION DATA	
MAX TEMPERATURE	166.9 F.	OIL Gr.		OIL =	
AT DEPTH	7493.5'	GAS Gr.		GAS=	
TEMPERATURE SENS	1 F/DIV.	MPP		BHP =	
LOGGING SPEED	100 FPM			WATER=	
RECORDED BY	D.PROKUSKI				
WITNESSED BY	N|A				
EMAIL TO	A.KARGAR				
DEPTH CORRELATION	PACKER				

Equipment Data

Collar Locator	■ 1.375"		
Temperature Tool	🟩 1.375"		
Audio Detector	🟥 1.375"		

Remarks/Survey Results

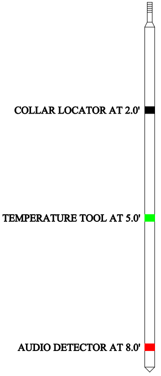
07:00AM - ON LOCATION
08:00AM - RAN IN HOLE
08:10AM - BEGIN SURVEY
11:15AM - PULL OUT OF HOLE
11:30AM - OFF LOCATION

CASING AND TUBING RECORD

SIZE	WT(#)	FROM	TO	SIZE	WT(#)	FROM	TO
13.375"	54.5	SURFACE	848'	2.375"	4.70	7443.5'	7819'
9.625"	47.0	SURFACE	8500'				
4.500"	11.6	7793'	8153.7'				
2.875"	6.50	SURFACE	7443.5'				

STR.	PIPE DIA.	PERFORATIONS
A	4.500"	7820'-8152'.
		PACKERS: 7411'.
		SLEEVES: 7429'-7433.35', 7760.2'-7764.27.
		NO-GO: 7795.4'.

TOOL DIAGRAM



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     Audio Data:  c:\data\noise.txt
  --------------------------------------------------
     DEPTH |   200HZ |   600HZ |  1000HZ |  2000HZ |
  --------------------------------------------------
       100 |   10.40 |    6.30 |    4.60 |    3.30 |
       250 |    9.30 |    6.00 |    4.30 |    3.00 |
       500 |    9.50 |    6.30 |    4.60 |    3.30 |
       520 |    9.40 |    5.90 |    4.40 |    3.10 |
       540 |    9.40 |    6.10 |    4.50 |    3.30 |
       560 |    9.50 |    6.40 |    4.70 |    3.10 |
       580 |    9.50 |    6.10 |    4.50 |    3.30 |
       600 |    9.60 |    6.00 |    4.40 |    3.10 |
       620 |    9.40 |    6.20 |    4.60 |    3.30 |
       640 |    9.40 |    6.20 |    4.60 |    3.40 |
       660 |    9.60 |    6.20 |    4.60 |    3.30 |
       680 |    9.20 |    6.10 |    4.50 |    3.20 |
       700 |    9.50 |    6.40 |    4.70 |    3.50 |
       720 |    9.00 |    5.90 |    4.30 |    3.00 |
       740 |    9.20 |    6.00 |    4.30 |    3.10 |
       760 |    8.90 |    5.70 |    4.10 |    2.80 |
       780 |    8.80 |    5.60 |    4.00 |    2.70 |
       800 |    8.90 |    5.70 |    4.10 |    2.70 |
       820 |    8.70 |    5.60 |    4.00 |    2.70 |
       840 |    8.80 |    5.80 |    4.10 |    2.80 |
       860 |    8.60 |    5.50 |    3.90 |    2.60 |
       880 |    8.60 |    5.50 |    3.90 |    2.50 |
       900 |    8.70 |    5.60 |    3.90 |    2.60 |
      1000 |    8.70 |    5.60 |    3.90 |    2.60 |
      1250 |    8.70 |    5.60 |    4.00 |    2.70 |
      1500 |    8.80 |    5.50 |    3.90 |    2.60 |
      1750 |    8.70 |    5.50 |    3.90 |    2.50 |
      2000 |    8.60 |    5.50 |    3.90 |    2.50 |
      2250 |    8.50 |    5.60 |    4.10 |    2.80 |
      2500 |    8.50 |    5.50 |    3.90 |    2.70 |
      2750 |    8.50 |    5.50 |    4.00 |    2.80 |
      3000 |    8.40 |    5.50 |    4.10 |    2.80 |
      3250 |    8.20 |    5.40 |    4.00 |    2.70 |
      3500 |    8.10 |    5.20 |    3.70 |    2.30 |
      3755 |    8.00 |    5.20 |    3.70 |    2.30 |
      4000 |    8.20 |    5.30 |    3.80 |    2.40 |
      4250 |    7.90 |    5.20 |    3.70 |    2.30 |
      4500 |    8.10 |    5.40 |    3.90 |    2.50 |
      4740 |    7.90 |    5.20 |    3.70 |    2.30 |
      4760 |    8.00 |    5.30 |    3.80 |    2.40 |
      4780 |    7.90 |    5.30 |    3.80 |    2.40 |
      4800 |    8.00 |    5.30 |    3.90 |    2.50 |
      4820 |    7.90 |    5.30 |    3.80 |    2.50 |
      4840 |    8.00 |    5.30 |    3.90 |    2.50 |
      4860 |    8.00 |    5.30 |    3.90 |    2.50 |
      4880 |    7.90 |    5.30 |    3.90 |    2.50 |
      4900 |    8.00 |    5.40 |    3.90 |    2.60 |
      4920 |    8.00 |    5.40 |    3.90 |    2.50 |
      4940 |    8.10 |    5.40 |    4.00 |    2.60 |
      4960 |    8.00 |    5.40 |    3.90 |    2.60 |
      4980 |    7.90 |    5.40 |    4.00 |    2.60 |
      5000 |    8.00 |    5.40 |    4.00 |    2.60 |
      5020 |    7.90 |    5.20 |    3.80 |    2.40 |
      5040 |    7.90 |    5.30 |    3.80 |    2.50 |
      5060 |    7.90 |    5.30 |    3.90 |    2.50 |
      5080 |    7.90 |    5.20 |    3.80 |    2.40 |
      5100 |    7.80 |    5.20 |    3.80 |    2.40 |
      5120 |    7.80 |    5.20 |    3.80 |    2.40 |
      5140 |    8.00 |    5.40 |    4.00 |    2.60 |
      5160 |    7.90 |    5.40 |    4.00 |    2.60 |
      5180 |    7.90 |    5.40 |    4.00 |    2.60 |
      5200 |    8.00 |    5.50 |    4.10 |    2.80 |
      5220 |    7.90 |    5.40 |    4.00 |    2.70 |
      5240 |    8.00 |    5.50 |    4.10 |    2.80 |
      5260 |    8.00 |    5.30 |    3.80 |    2.50 |
      5280 |    8.00 |    5.40 |    4.00 |    2.60 |
      5300 |    8.20 |    5.40 |    4.00 |    2.70 |
      5320 |    7.90 |    5.40 |    4.00 |    2.60 |
      5340 |    8.00 |    5.50 |    4.00 |    2.60 |
      5360 |    7.90 |    5.40 |    3.90 |    2.60 |
      5380 |    8.00 |    5.50 |    4.00 |    2.70 |
      5400 |    7.90 |    5.50 |    4.10 |    2.70 |
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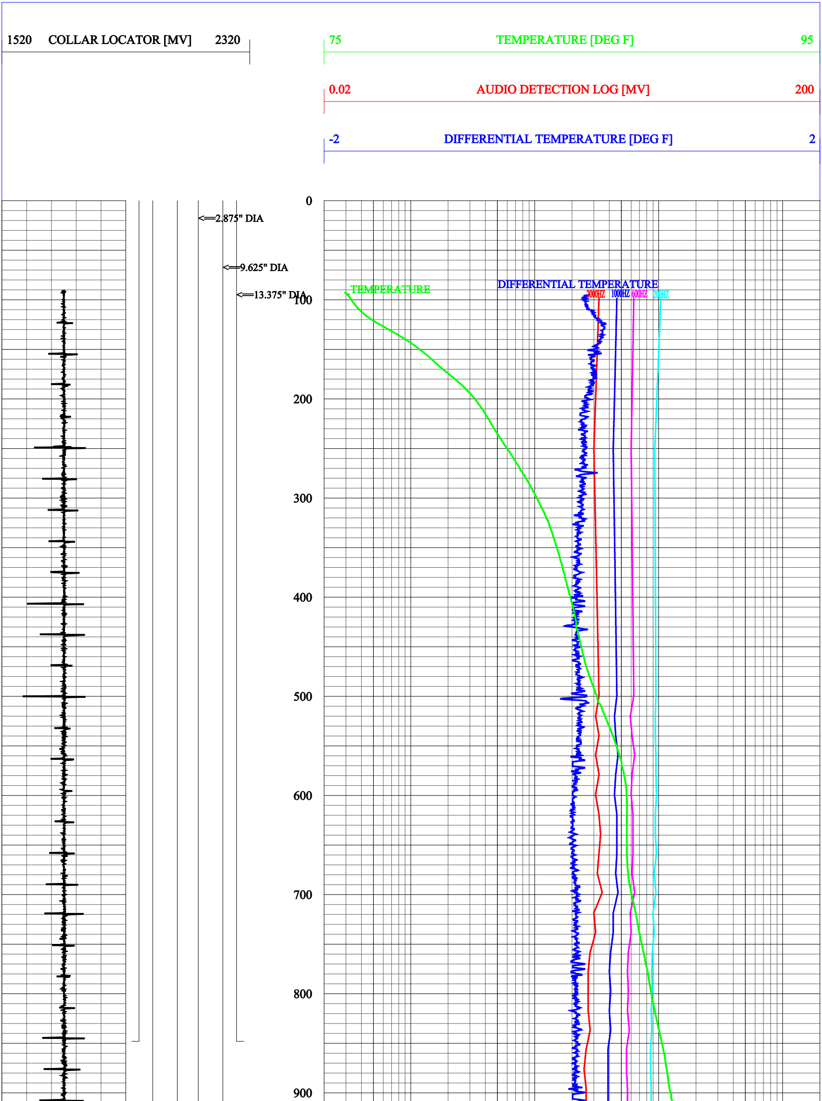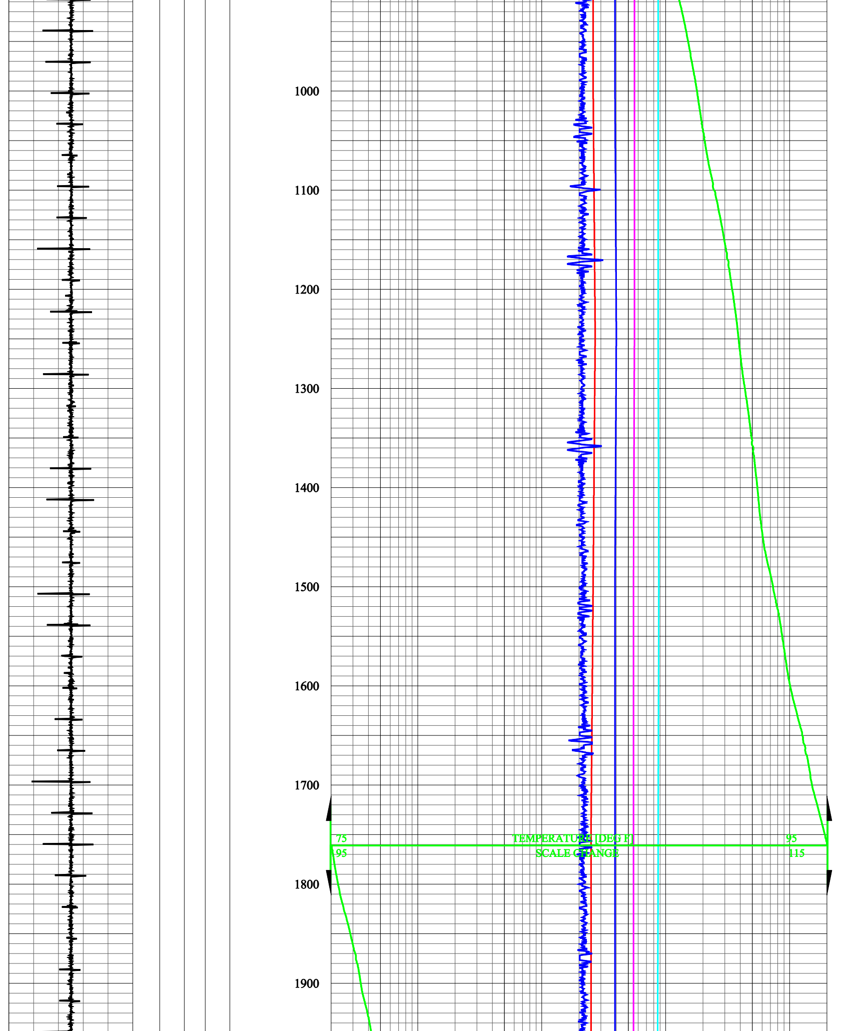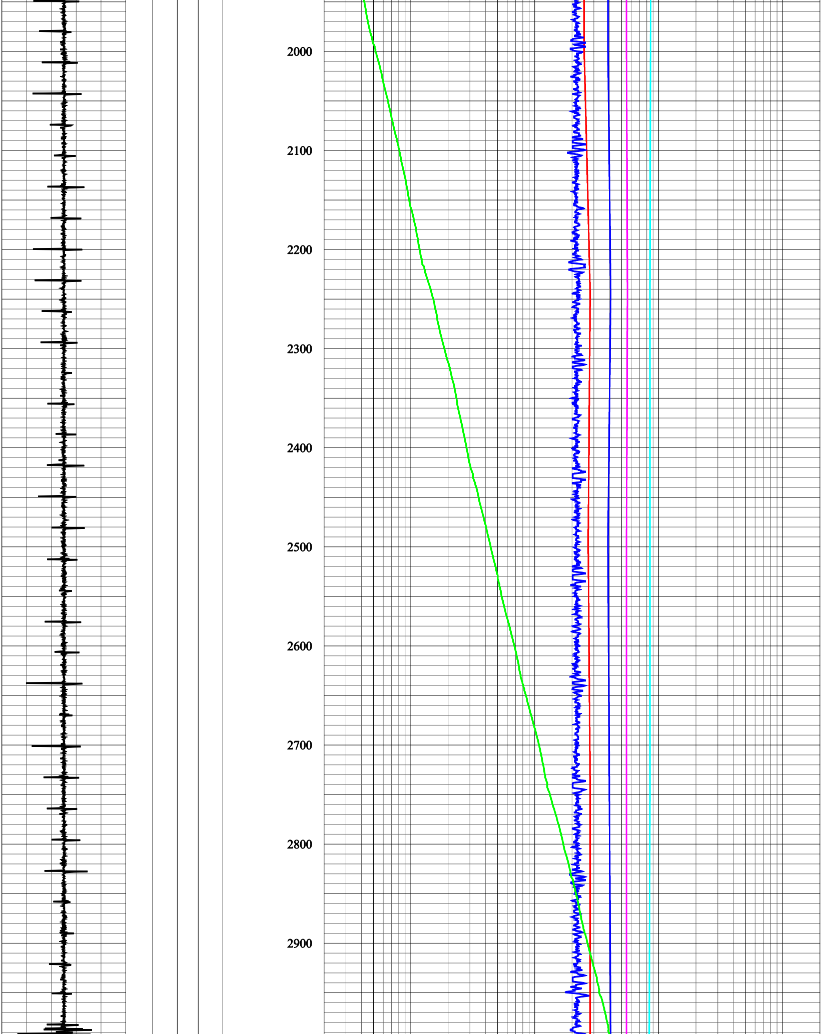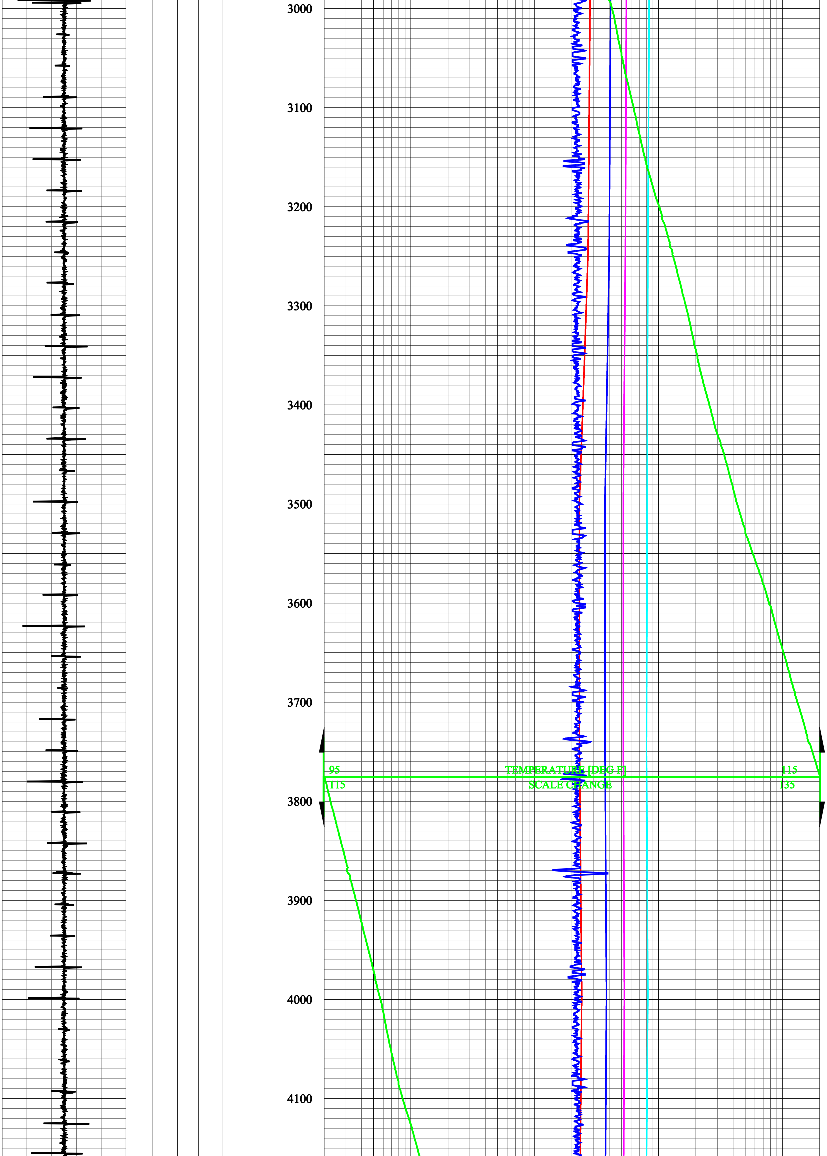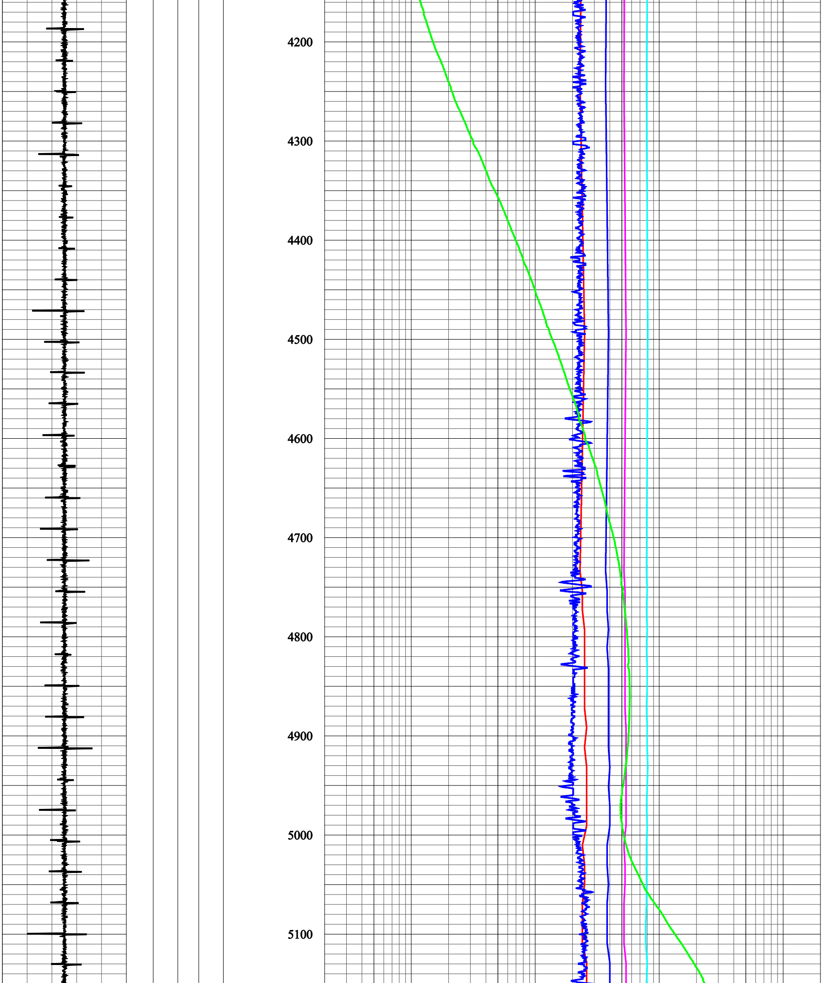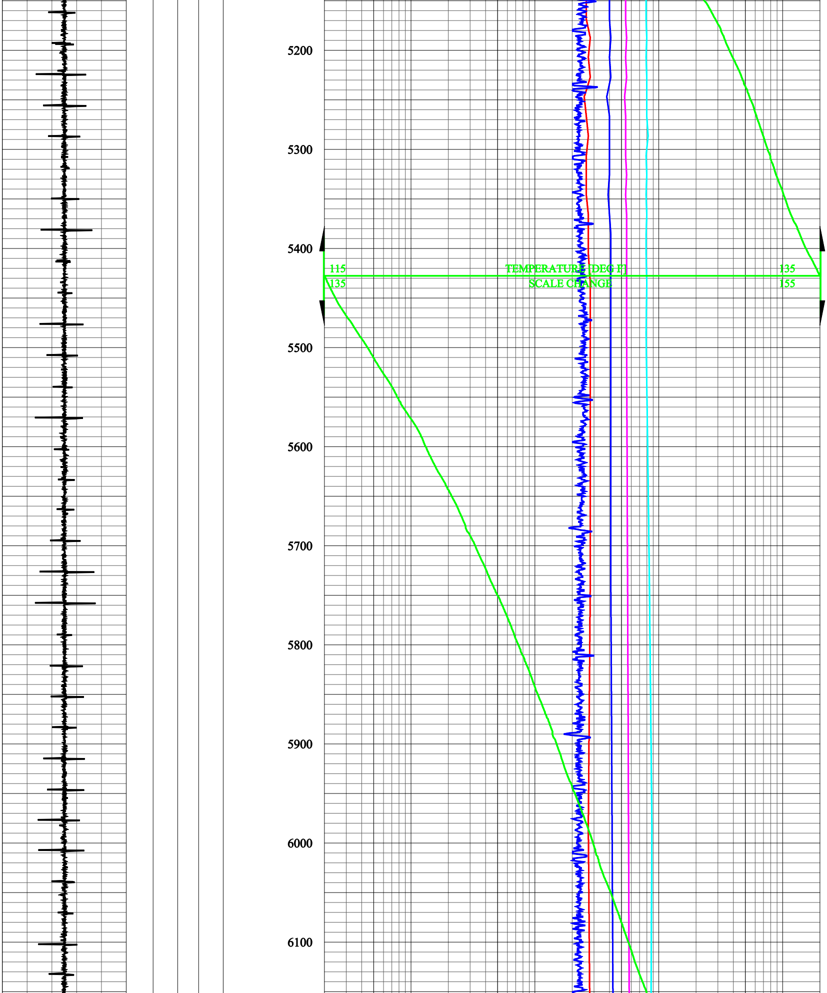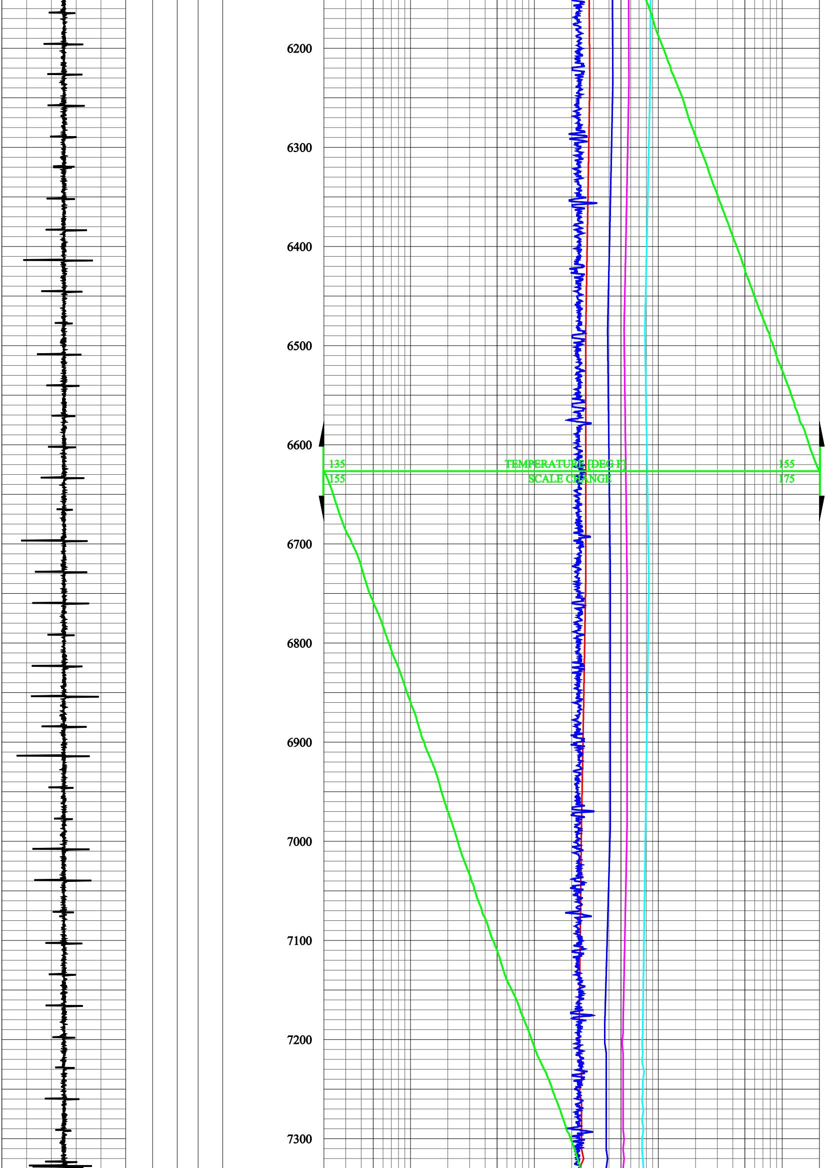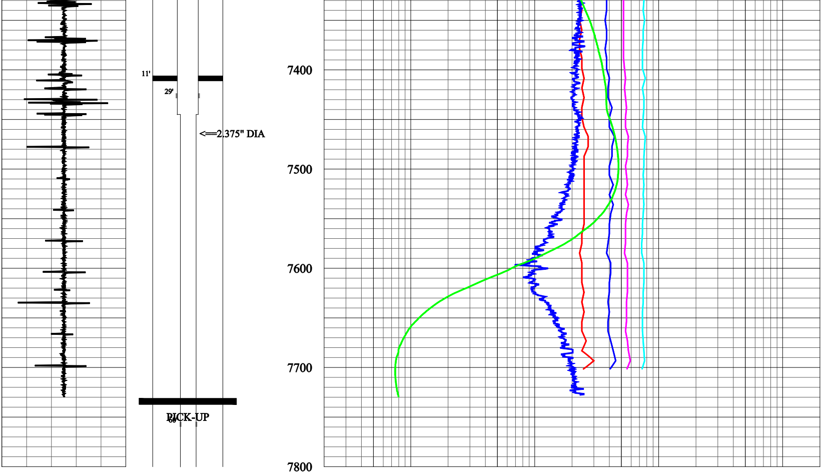```
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     5750 |    8.40 |    5.60 |    4.10 |    2.80 |
     6000 |    8.80 |    5.70 |    4.20 |    2.70 |
     6250 |    8.60 |    5.80 |    4.30 |    2.80 |
     6500 |    7.80 |    5.30 |    3.90 |    2.60 |
     6750 |    8.40 |    5.60 |    4.10 |    2.60 |
     7000 |    7.90 |    5.60 |    4.10 |    2.40 |
     7200 |    7.50 |    5.20 |    3.70 |    2.30 |
     7210 |    7.50 |    5.20 |    3.70 |    2.30 |
     7220 |    7.40 |    5.10 |    3.70 |    2.30 |
     7230 |    7.50 |    5.20 |    3.80 |    2.30 |
     7240 |    7.40 |    5.20 |    3.80 |    2.40 |
     7250 |    7.70 |    5.20 |    3.80 |    2.40 |
     7260 |    7.50 |    5.20 |    3.80 |    2.40 |
     7270 |    7.50 |    5.20 |    3.80 |    2.30 |
     7280 |    7.40 |    5.20 |    3.80 |    2.40 |
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     7480 |    7.40 |    5.40 |    4.00 |    2.50 |
     7490 |    7.80 |    5.70 |    4.40 |    2.70 |
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