WELL ANALYSIS CORPORATION

AUDIO DETECTION SURVEY

COMPANY: SOUTHERN CALIF. GAS CO.
WELL: SESNON FEE 1
FIELD: ALISO CANYON
COUNTY: LOS ANGELES
STATE: CALIFORNIA

WELL TYPE
GS

LOCATION:
DISTRICT 2

OTHER SVC:

API NUMBER: 0403700647
SEC: 33 TWN: 3N RNG: 16W

CB

PERMANENT DATUM: GROUND LEVEL ELEV: 2520.05 FT.
LOG MEASURED FROM KB 14.35' ABOVE PERM DATUM
DRILLING MEASURED FROM

-ELEVATIONS-
KB: 2534.40 Ft.
DF: Ft.
GL: 2520.05 Ft.

DATE LOG RAN	09-20-2016	PRESSURE	FLOWING	INJECTION	SHUT-IN
RUN NUMBER	ONE	TUBING PSI			0
EFFECTIVE DEPTH	9390'	CASING PSI			0
PICKUP DEPTH	9155'	INJECTION RATE	N/A		
BOT LOGGED INT	9155'	OBSERVED RATE	N/A		
TOP LOGGED INT	100'	R/A SOURCE	N/A		
TYPE OF INJECT	N/A	ACTIVITY	N/A		
FLUID IN WELL	WATER	HALF LIFE	N/A		
FLUID LEVEL	N/A				
WELL STATUS	STATIC		PRODUCTION DATA		
MAX TEMPERATURE	193.6 F.	OIL Gr.		OIL =	
AT DEPTH	9155.0'	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. ALSHAMMASI				
DEPTH CORRELATION	N/A				

Equipment Data

Collar Locator	1.375"		
Temperature Tool	1.375"		
Audio Detector	1.375"		

Remarks | Survey Results

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08:35 AM - RAN IN HOLE
08:37 AM - BEGIN SURVEY
10:25 AM - PULL OUT OF HOLE

SAND TAG MARKERS: 8953' TOP MP
                  9162' TOP S1
                  9232' TOP S4
                  9372' TOP S8
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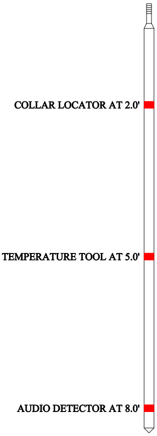
CASING AND TUBING RECORD

SIZE	WT(#)	FROM	TO	SIZE	WT(#)	FROM	TO
13.375"	54.5	SURFACE	1059'	2.375"	4.7	SURFACE	9066'
7.000"	23.0	SURFACE	9234'	3.125"		9066'	9163'
5.500"	17.0	SURFACE	9094'	2.375"	4.7	9163'	9356'
5.500"	18.0	9111'	9504'	3.125"		9356'	9368'

STR.	PIPE DIA.	PERFORATIONS
A	5.500"	WSO: 9144', 9300'-9350', 9360'-9388'.
		PACKERS: 9094', 9159', 9353'.
		GAS LIFT MANDRELS: 3468', 5265', 6542', 7449', 8205', 8960'.
		SLIDING SLEEVES: 9193'.
		NO-GO: 9097', 9257', 9367'.

Tool Diagram



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     Audio Data:  C:\data\NOISE.txt
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    DEPTH |   200HZ |   600HZ |  1000HZ |  2000HZ |
 -------------------------------------------------
       50 |   22.80 |    6.70 |    2.60 |    0.60 |    FLUID
      250 |   20.70 |    5.20 |    1.80 |    0.40 |
      500 |   19.80 |    5.10 |    1.80 |    0.40 |
      750 |   19.70 |    5.10 |    1.80 |    0.30 |
      960 |   19.70 |    5.00 |    1.70 |    0.30 |
      980 |   19.40 |    5.00 |    1.70 |    0.30 |
     1000 |   19.30 |    5.00 |    1.70 |    0.30 |
     1020 |   19.20 |    5.00 |    1.70 |    0.30 |
     1040 |   19.60 |    5.00 |    1.70 |    0.30 |
     1060 |   20.10 |    5.10 |    1.70 |    0.30 |
     1080 |   19.60 |    5.10 |    1.70 |    0.30 |
     1100 |   19.50 |    5.10 |    1.70 |    0.30 |
     1120 |   19.70 |    5.10 |    1.70 |    0.30 |
     1140 |   19.60 |    5.10 |    1.70 |    0.30 |
     1160 |   19.50 |    5.10 |    1.70 |    0.30 |
     1250 |   19.50 |    5.00 |    1.70 |    0.30 |
     1500 |   19.30 |    5.00 |    1.70 |    0.30 |
     1750 |   19.20 |    5.00 |    1.70 |    0.30 |
     2000 |   18.90 |    5.00 |    1.70 |    0.30 |
     2250 |   19.00 |    5.00 |    1.70 |    0.30 |
     2500 |   18.90 |    4.90 |    1.70 |    0.30 |
     2750 |   19.20 |    5.00 |    1.70 |    0.30 |
     3000 |   19.10 |    5.00 |    1.70 |    0.30 |
     3250 |   18.80 |    4.90 |    1.70 |    0.30 |
     3500 |   18.50 |    4.90 |    1.70 |    0.30 |
     3750 |   18.60 |    4.90 |    1.70 |    0.30 |
     4000 |   18.10 |    4.80 |    1.70 |    0.30 |
     4250 |   18.10 |    4.80 |    1.70 |    0.30 |
     4500 |   18.20 |    4.80 |    1.70 |    0.30 |
     4750 |   18.00 |    4.80 |    1.70 |    0.30 |
     5000 |   17.90 |    4.80 |    1.70 |    0.30 |
     5250 |   17.90 |    4.90 |    1.70 |    0.30 |
     5500 |   17.70 |    4.80 |    1.70 |    0.30 |
     5750 |   17.80 |    4.80 |    1.70 |    0.30 |
     6000 |   17.80 |    4.80 |    1.70 |    0.30 |
     6250 |   17.60 |    4.80 |    1.70 |    0.30 |
     6500 |   17.70 |    4.80 |    1.70 |    0.30 |
     6750 |   17.50 |    4.70 |    1.70 |    0.30 |
     7000 |   17.60 |    4.80 |    1.70 |    0.30 |
     7250 |   17.50 |    4.70 |    1.70 |    0.30 |
     7500 |   17.50 |    4.80 |    1.80 |    0.30 |
     7750 |   17.20 |    4.70 |    1.70 |    0.30 |
     8000 |   17.20 |    4.70 |    1.70 |    0.30 |
     8250 |   16.90 |    4.70 |    1.70 |    0.30 |
     8500 |   16.80 |    4.70 |    1.70 |    0.30 |
     8750 |   16.80 |    4.60 |    1.70 |    0.30 |
     8900 |   17.00 |    4.60 |    1.70 |    0.30 |
     8910 |   16.90 |    4.60 |    1.70 |    0.30 |
     8920 |   16.90 |    4.70 |    1.70 |    0.30 |
     8930 |   16.80 |    4.70 |    1.70 |    0.30 |
     8940 |   16.80 |    4.60 |    1.70 |    0.30 |
     8950 |   16.70 |    4.60 |    1.70 |    0.30 |
     8960 |   17.00 |    4.60 |    1.60 |    0.30 |
     8970 |   16.80 |    4.70 |    1.80 |    0.30 |
     8980 |   16.70 |    4.60 |    1.70 |    0.30 |
     8990 |   16.50 |    4.50 |    1.60 |    0.30 |
     9000 |   16.80 |    4.60 |    1.60 |    0.40 |
     9010 |   16.80 |    4.60 |    1.70 |    0.30 |
     9020 |   16.70 |    4.60 |    1.60 |    0.30 |
     9030 |   16.50 |    4.50 |    1.60 |    0.30 |
     9040 |   16.50 |    4.60 |    1.70 |    0.30 |
     9050 |   16.40 |    4.50 |    1.60 |    0.30 |
     9060 |   16.40 |    4.60 |    1.60 |    0.30 |
     9070 |   16.50 |    4.60 |    1.70 |    0.40 |
     9080 |   16.40 |    4.50 |    1.70 |    0.40 |
     9090 |   16.50 |    4.50 |    1.60 |    0.30 |
     9100 |   16.50 |    4.50 |    1.60 |    0.40 |
     9110 |   16.30 |    4.50 |    1.70 |    0.30 |
     9120 |   16.40 |    4.50 |    1.70 |    0.40 |
     9130 |   16.50 |    4.60 |    1.60 |    0.30 |
     9140 |   16.30 |    4.60 |    1.60 |    0.30 |
     9150 |   16.50 |    4.60 |    1.70 |    0.40 |
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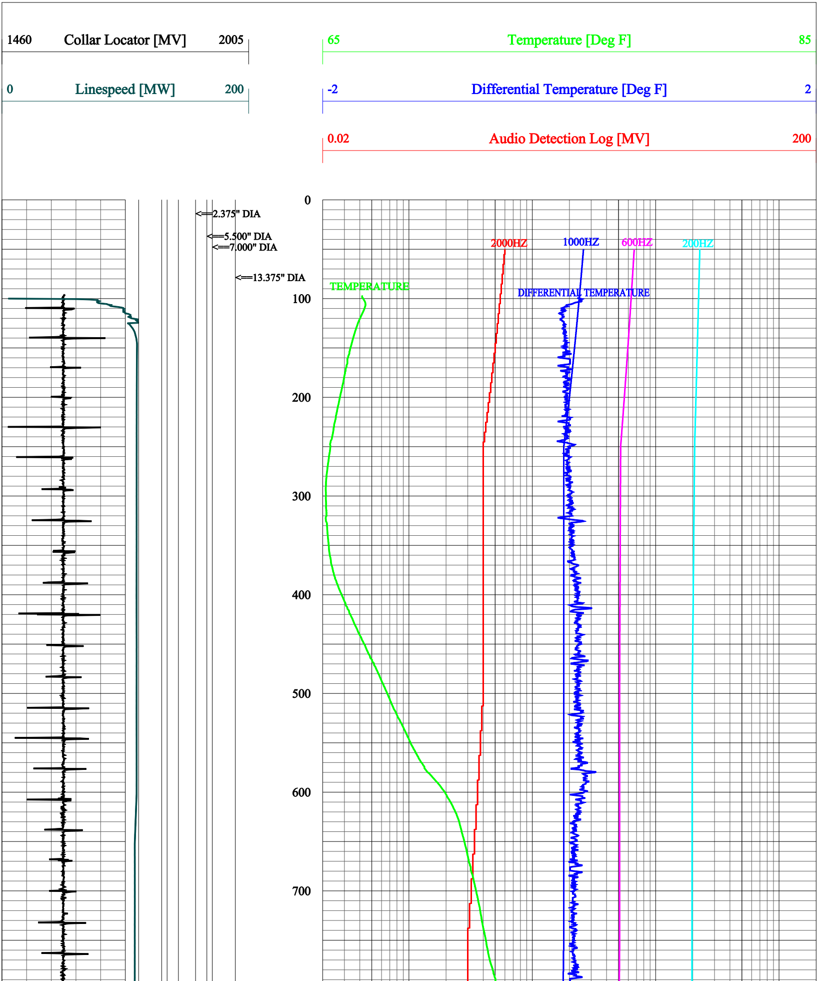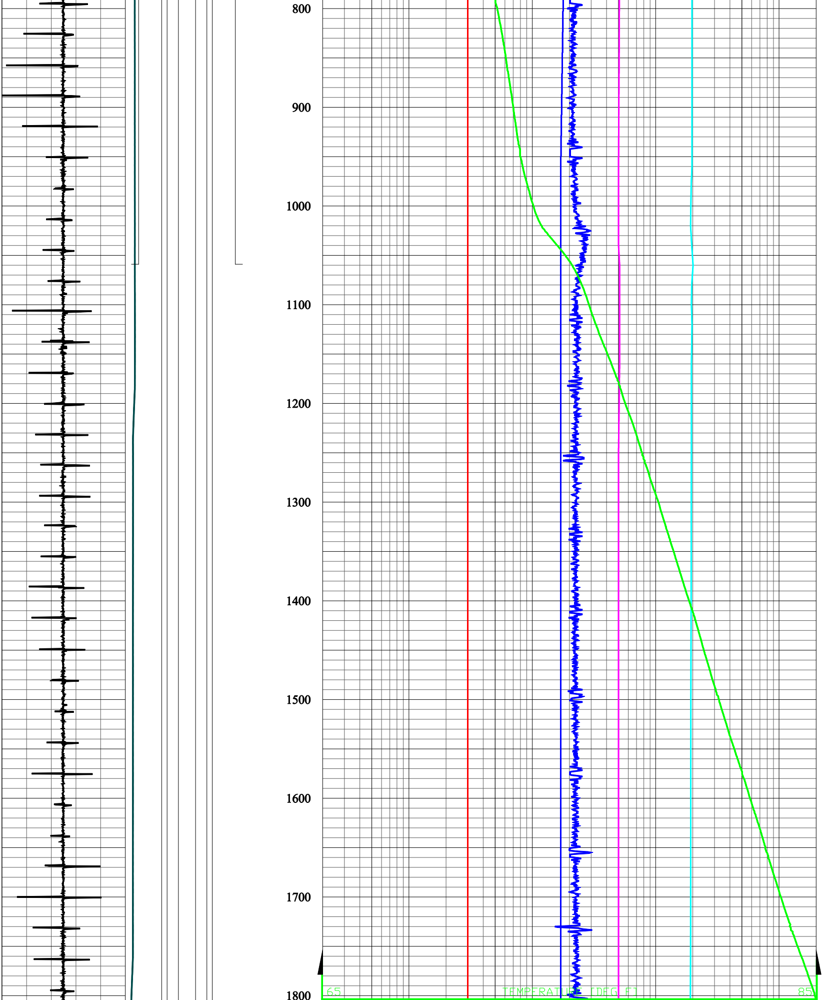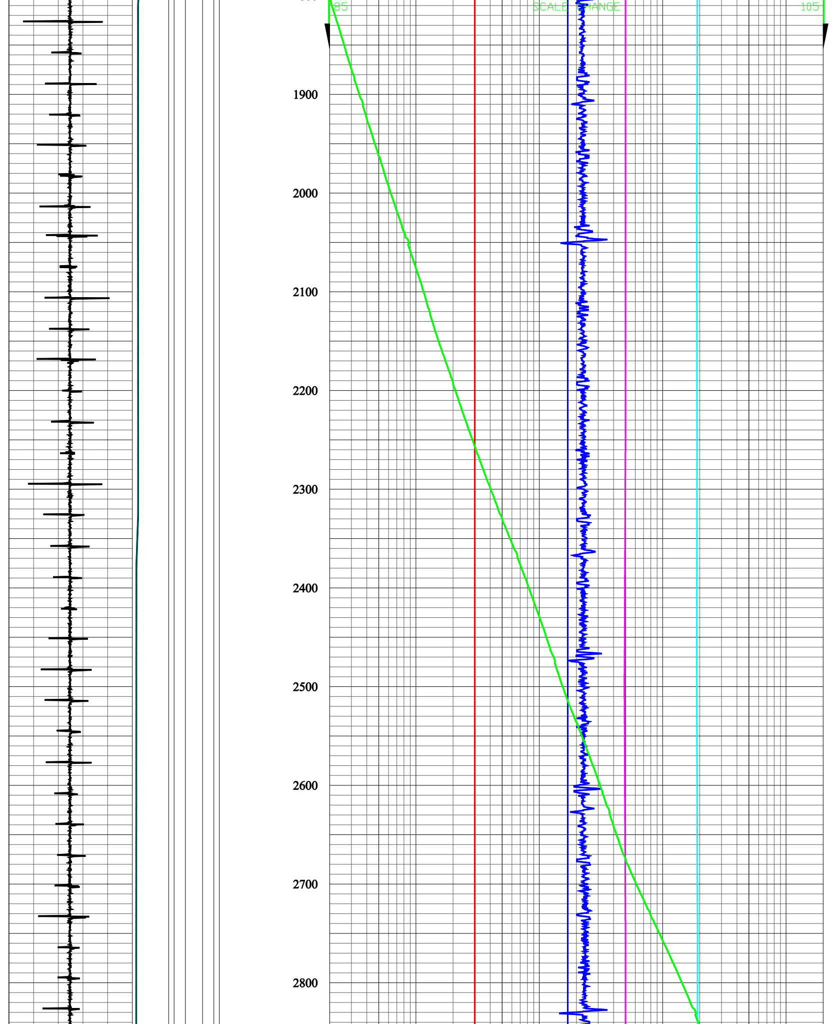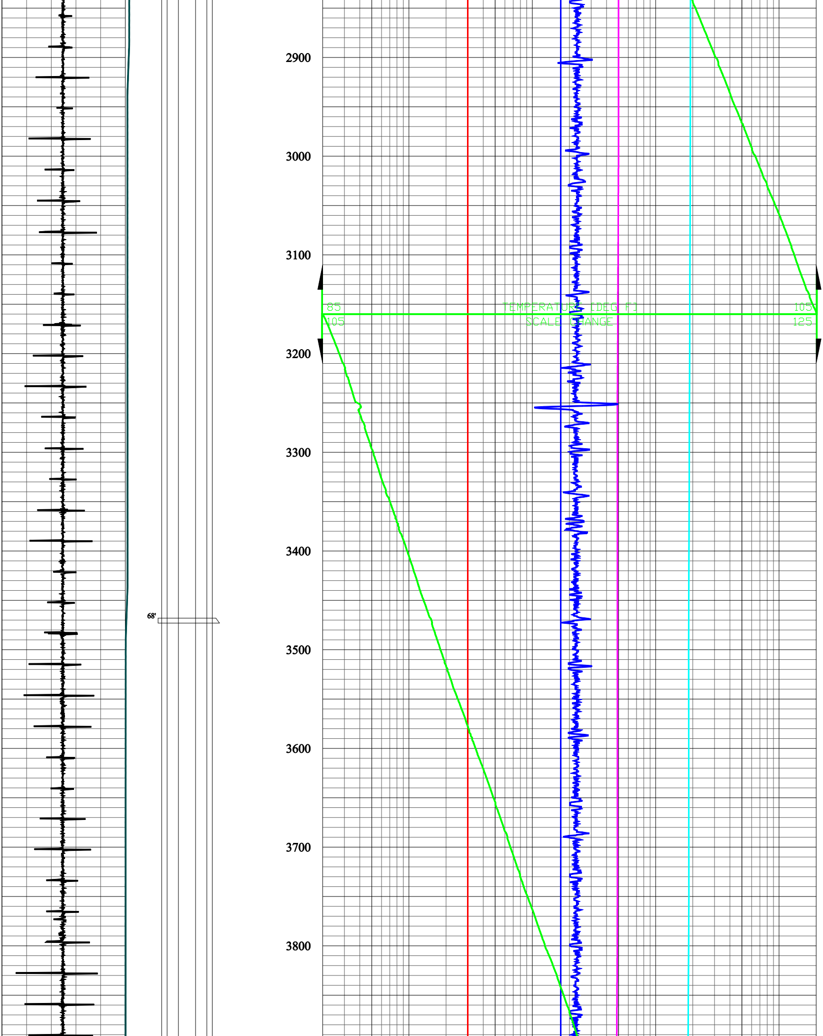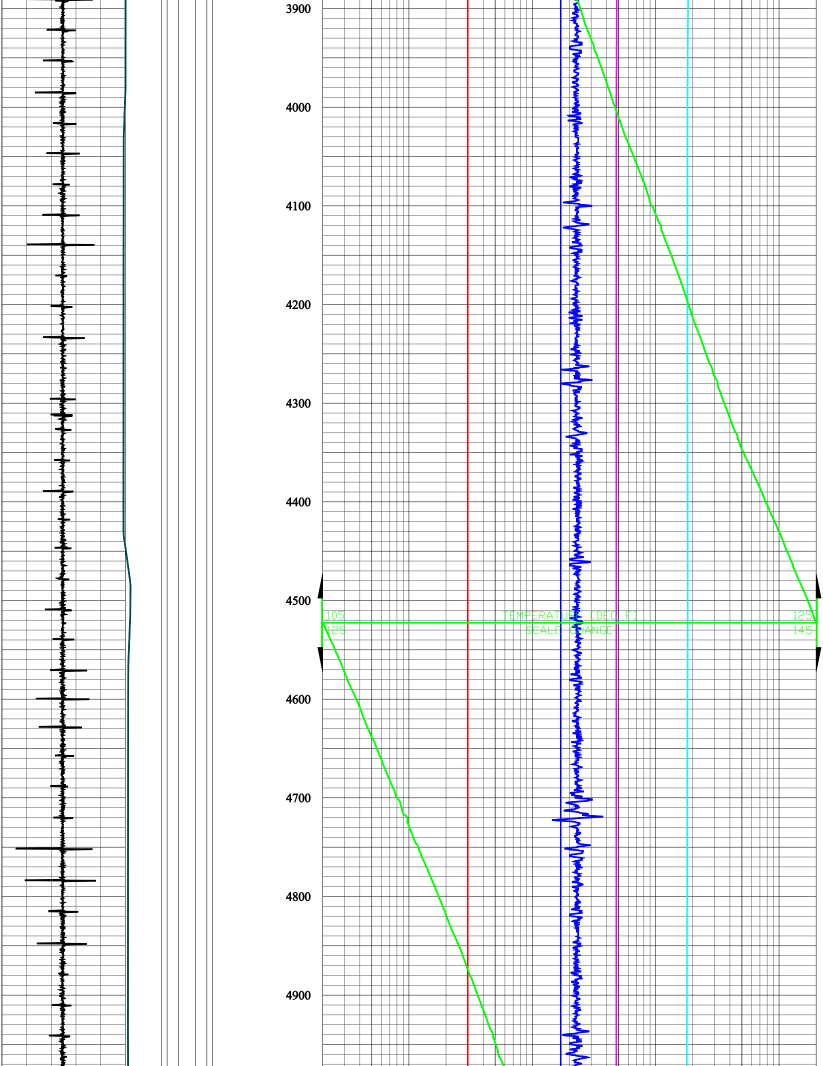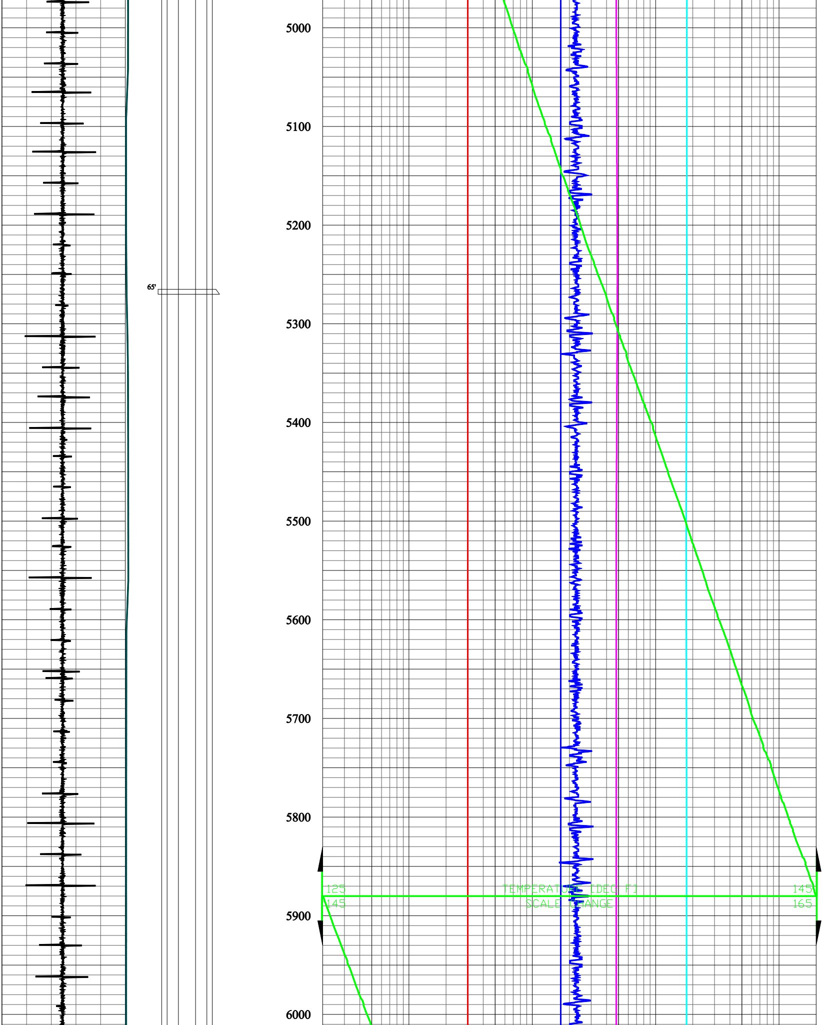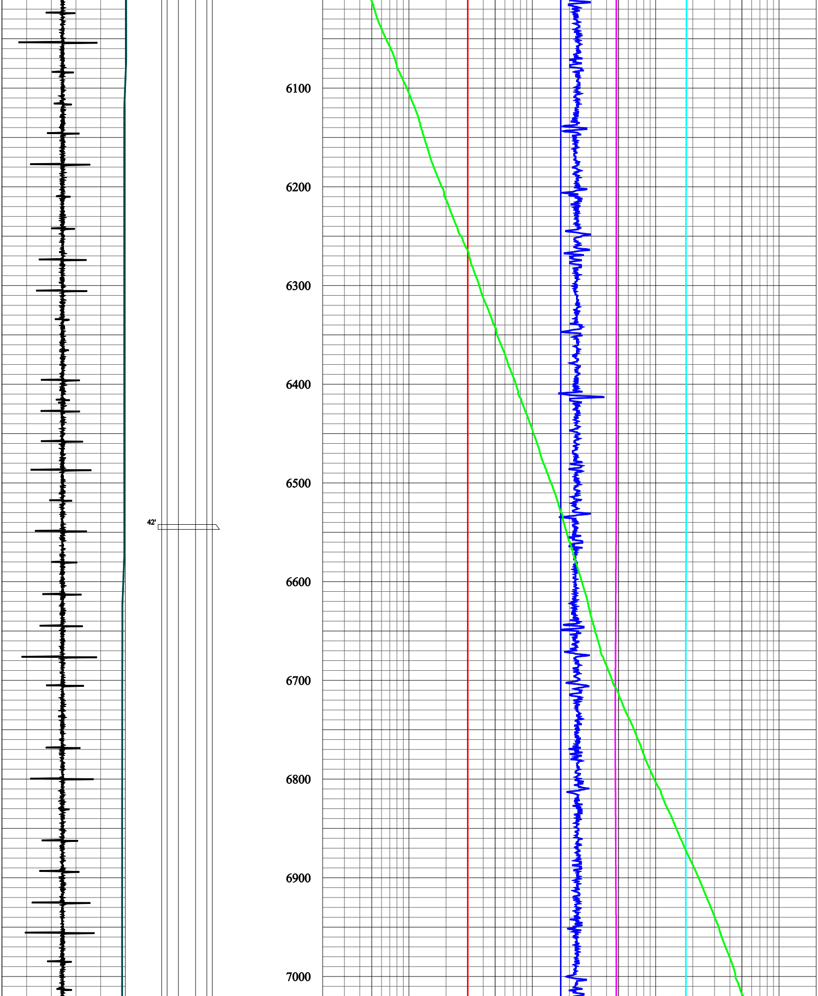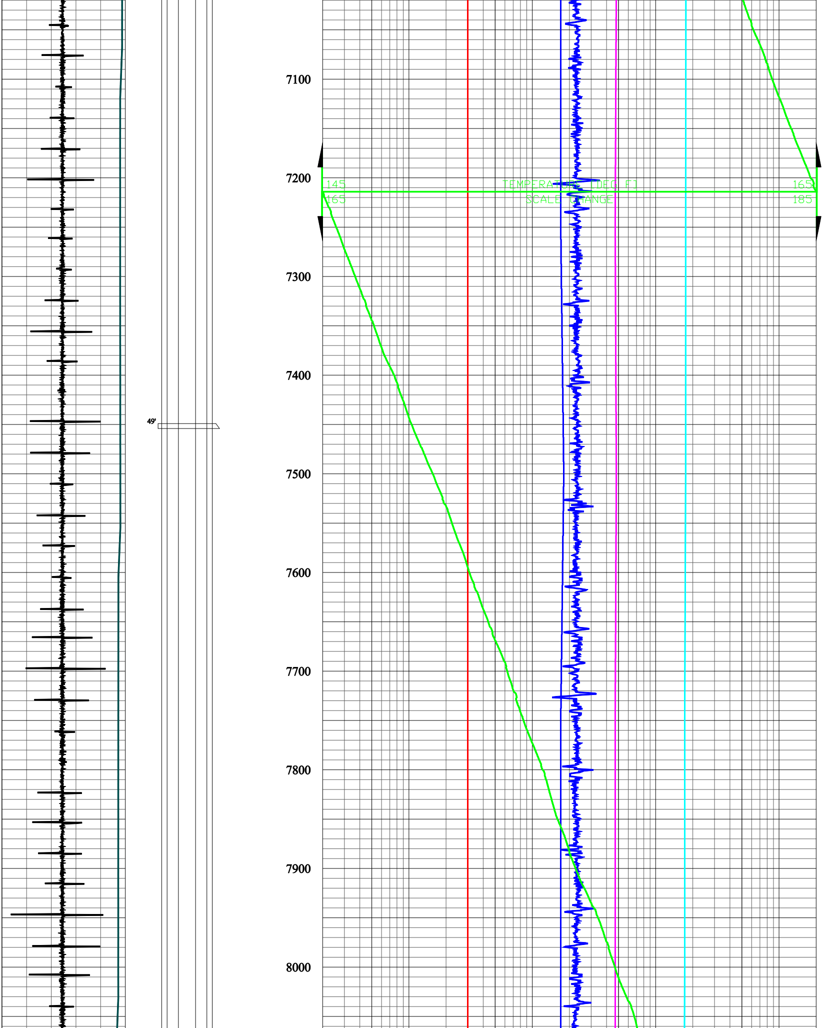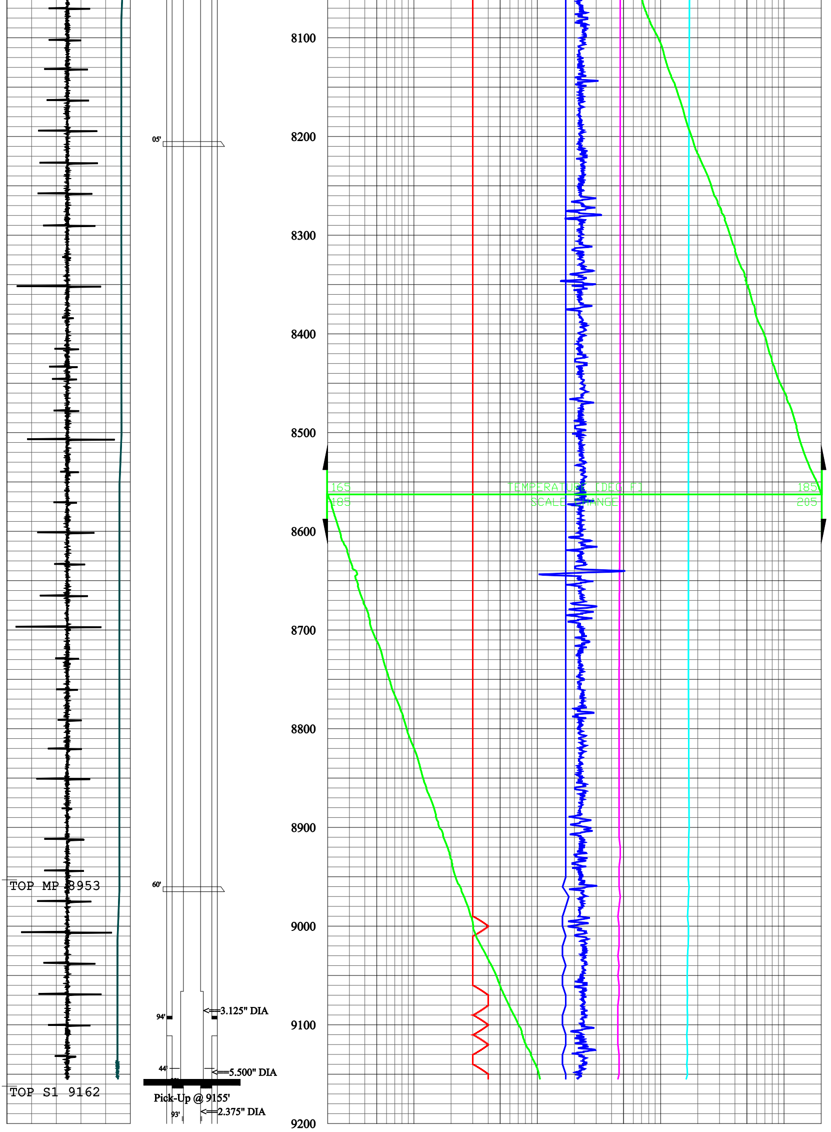```
     9155 |    16.10 |     4.50 |     1.70 |     0.40 |
```