WELL ANALYSIS CORPORATION

AUDIO DETECTION SURVEY

WELL TYPE: GS

AJ

COMPANY: SOUTHERN CALIF. GAS CO.
WELL: PORTER 26D
FIELD: ALISO CANYON
COUNTY: LOS ANGELES STATE: CALIFORNIA
LOCATION: DISTRICT 2
OTHER SVC:

API NUMBER: 0403721320
SEC: 28 TWN: 3N RNG: 16W

PERMANENT DATUM: GROUND LEVEL ELEV: 2505.00 FT.
LOG MEASURED FROM KB 12' ABOVE PERM DATUM
DRILLING MEASURED FROM

-ELEVATIONS-
KB: 2517.00 Ft.
DF: Ft.
GL: 2505.00 Ft.

DATE LOG RAN	03-18-2016	PRESSURE	FLOWING	INJECTION	SHUT-IN
RUN NUMBER	ONE	TUBING PSI			1077
EFFECTIVE DEPTH	8006'	CASING PSI			1077
PICKUP DEPTH	7838'	INJECTION RATE	N/A		
BOT LOGGED INT	7838'	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	N/A				
WELL STATUS	STATIC		PRODUCTION DATA		
MAX TEMPERATURE	161.2 F.	OIL Gr.	OIL =		
AT DEPTH	7730.0'	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. KARGAR				
DEPTH CORRELATION	PACKER				

Equipment Data

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

Remarks/Survey Results

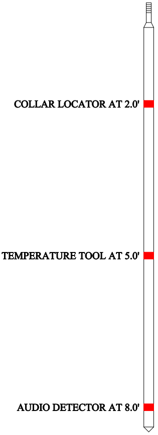
7:30AM ON LOCATION
7:45AM RAN IN HOLE
7:50AM BEGIN SURVEY
11:00AM PULL OUT OF HOLE
11:15AM OFF LOCATION
SAND TAG MARKERS: 7740' MP
7694' S1
7786' S4
7880' S8/MPP
8035' FREW

CASING AND TUBING RECORD

SIZE	WT(#)	FROM	TO	SIZE	WT(#)	FROM	TO
13.375"	48	SURFACE	815'	4.000"	11.34	7624'	8006'
8.625"	36	SURFACE	7658'	2.875"	6.5	0'	7456'
7.000"	23	SURFACE	7502'				
6.625"	28	7556'	7782'				

STR.	PIPE DIA.	PERFORATIONS
A	8.625"	WSO: 7585'
	6.625"	WSO: 7776'
	4.000"	7754'-8006'.
		PACKERS: 7450'-7455', 7502'-7508'.
		GAS LIFT MANDRELS: 7342'-7350'.
		SLIDING SLEEVES: 7384'-7388'.
		NO-GO: 7418'.
		STAGE COLLARS: 3112'.

TOOL DIAGRAM



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     Audio Data:  C:\data\NOISE.txt
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   DEPTH |   200HZ |   600HZ |  1000HZ |  2000HZ |
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     100 |   16.30 |    8.70 |    7.00 |    5.00 |
     250 |   10.20 |    6.30 |    5.10 |    3.60 |
     340 |    9.30 |    5.20 |    3.80 |    2.60 |
     360 |    9.60 |    5.70 |    4.40 |    3.00 |
     380 |    9.20 |    5.20 |    3.70 |    2.40 |
     400 |    9.30 |    5.30 |    3.90 |    2.50 |
     420 |    9.40 |    5.30 |    3.90 |    2.60 |
     440 |    9.50 |    5.20 |    3.70 |    2.40 |
     480 |    9.40 |    5.20 |    3.80 |    2.50 |
     500 |    9.30 |    5.20 |    3.70 |    2.40 |
     520 |    9.20 |    5.20 |    3.80 |    2.50 |
     540 |    9.10 |    5.10 |    3.70 |    2.40 |
     560 |    9.10 |    5.20 |    3.80 |    2.50 |
     580 |    9.10 |    5.10 |    3.60 |    2.40 |
     600 |    9.10 |    5.20 |    3.80 |    2.50 |
     620 |    9.00 |    5.00 |    3.60 |    2.30 |
     640 |    9.10 |    5.10 |    3.70 |    2.50 |
     660 |    9.00 |    5.10 |    3.70 |    2.40 |
     680 |    9.10 |    5.10 |    3.70 |    2.50 |
     700 |    9.00 |    5.00 |    3.70 |    2.40 |
     720 |    9.00 |    5.10 |    3.70 |    2.40 |
     740 |    9.00 |    5.10 |    3.70 |    2.40 |
     760 |    9.00 |    5.10 |    3.60 |    2.40 |
     780 |    8.80 |    5.00 |    3.60 |    2.40 |
     800 |    9.10 |    5.20 |    3.80 |    2.50 |
     820 |    9.00 |    5.20 |    3.90 |    2.60 |
     840 |    9.10 |    5.20 |    3.80 |    2.50 |
     860 |    8.90 |    5.10 |    3.70 |    2.40 |
     880 |    8.90 |    5.10 |    3.70 |    2.40 |
     900 |    8.90 |    5.10 |    3.70 |    2.50 |
     920 |    9.00 |    5.30 |    3.90 |    2.70 |
     940 |    8.90 |    5.10 |    3.70 |    2.40 |
     960 |    9.00 |    5.10 |    3.70 |    2.40 |
     980 |    9.00 |    5.10 |    3.70 |    2.40 |
    1000 |    8.80 |    5.00 |    3.60 |    2.40 |
    1020 |    8.70 |    5.00 |    3.60 |    2.40 |
    1040 |    8.90 |    5.10 |    3.70 |    2.40 |
    1060 |    8.80 |    5.10 |    3.70 |    2.40 |
    1080 |    8.90 |    5.10 |    3.70 |    2.40 |
    1100 |    8.70 |    5.00 |    3.70 |    2.40 |
    1250 |    8.80 |    5.00 |    3.70 |    2.40 |
    1500 |    8.90 |    5.30 |    4.00 |    2.90 |
    1560 |    8.70 |    5.10 |    3.80 |    2.50 |
    1580 |    8.80 |    5.00 |    3.60 |    2.40 |
    1600 |    8.80 |    5.00 |    3.70 |    2.40 |
    1620 |    8.70 |    5.10 |    3.80 |    2.50 |
    1640 |    9.00 |    5.10 |    3.70 |    2.40 |
    1660 |    8.60 |    5.00 |    3.70 |    2.40 |
    1680 |    8.70 |    5.00 |    3.70 |    2.40 |
    1700 |    8.60 |    5.00 |    3.60 |    2.40 |
    1720 |    8.60 |    5.00 |    3.60 |    2.40 |
    1740 |    8.50 |    5.00 |    3.70 |    2.40 |
    1760 |    8.70 |    5.00 |    3.70 |    2.40 |
    1780 |    8.60 |    5.10 |    3.70 |    2.40 |
    1800 |    8.90 |    5.00 |    3.60 |    2.40 |
    1820 |    8.80 |    5.00 |    3.70 |    2.40 |
    1840 |    8.60 |    5.00 |    3.60 |    2.30 |
    1860 |    8.80 |    5.00 |    3.60 |    2.30 |
    1880 |    8.40 |    4.90 |    3.60 |    2.30 |
    1900 |    8.70 |    5.00 |    3.60 |    2.30 |
    1920 |    8.80 |    5.00 |    3.60 |    2.30 |
    1940 |    8.70 |    5.10 |    3.70 |    2.40 |
    1960 |    8.60 |    5.00 |    3.60 |    2.40 |
    1980 |    5.50 |    4.90 |    3.60 |    2.30 |
    2000 |    8.50 |    5.00 |    3.60 |    2.30 |
    2020 |    5.50 |    5.00 |    3.60 |    2.30 |
    2040 |    8.40 |    5.00 |    3.70 |    2.40 |
    2250 |    8.50 |    5.00 |    3.60 |    2.30 |
    2500 |    8.10 |    4.90 |    3.60 |    2.30 |
    2750 |    7.80 |    4.80 |    3.50 |    2.30 |
    3000 |    7.60 |    4.60 |    3.40 |    2.20 |
    3250 |    7.80 |    4.70 |    3.40 |    2.20 |
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      3500 |     7.50 |     4.50 |     3.30 |     2.30 |
      3750 |     7.30 |     4.50 |     3.30 |     2.30 |
      4000 |     7.90 |     4.90 |     3.60 |     2.40 |
      4250 |     7.70 |     4.80 |     3.50 |     2.30 |
      4400 |     7.60 |     4.80 |     3.50 |     2.30 |
      4420 |     7.80 |     4.90 |     3.70 |     2.50 |
      4440 |     7.50 |     4.73 |     3.50 |     2.30 |
      4460 |     7.60 |     4.70 |     3.50 |     2.30 |
      4480 |     7.80 |     4.80 |     3.50 |     2.30 |
      4500 |     7.30 |     4.50 |     3.40 |     2.20 |
      4520 |     7.50 |     4.70 |     3.50 |     2.40 |
      4540 |     7.00 |     4.40 |     3.20 |     2.10 |
      4750 |     7.40 |     4.60 |     3.40 |     2.20 |
      5000 |     7.40 |     4.50 |     3.30 |     2.30 |
      5250 |     7.20 |     4.50 |     3.30 |     2.20 |
      5300 |     7.30 |     5.10 |     3.90 |     2.80 |
      5750 |     7.40 |     4.70 |     3.50 |     2.40 |
      6000 |     7.40 |     4.70 |     3.60 |     2.50 |
      6250 |     7.30 |     4.70 |     3.50 |     2.40 |
      6500 |     7.00 |     4.50 |     3.40 |     2.30 |
      6750 |     7.60 |     4.83 |     3.60 |     2.40 |
      7000 |     7.60 |     4.90 |     3.80 |     2.60 |
      7020 |     7.50 |     4.80 |     3.60 |     2.40 |
      7040 |     7.50 |     4.90 |     3.70 |     3.60 |
      7060 |     7.60 |     5.00 |     3.80 |     2.70 |
      7080 |     7.50 |     4.90 |     3.80 |     2.70 |
      7100 |     7.40 |     4.80 |     3.60 |     2.40 |
      7120 |     7.40 |     4.90 |     3.10 |     2.50 |
      7140 |     7.40 |     4.80 |     3.60 |     2.40 |
      7160 |     7.30 |     4.80 |     3.70 |     2.50 |
      7180 |     7.30 |     4.80 |     3.60 |     2.50 |
      7200 |     7.30 |     4.80 |     3.60 |     2.50 |
      7220 |     7.30 |     4.80 |     3.70 |     2.50 |
      7240 |     7.50 |     5.00 |     3.90 |     2.70 |
      7250 |     7.40 |     4.90 |     3.70 |     2.60 |
      7260 |     7.60 |     5.10 |     4.00 |     2.80 |
      7270 |     7.40 |     4.90 |     3.80 |     2.60 |
      7280 |     7.50 |     5.00 |     3.90 |     2.70 |
      7290 |     7.40 |     4.90 |     3.80 |     2.70 |
      7300 |     7.30 |     4.90 |     3.80 |     2.60 |
      7310 |     7.50 |     5.00 |     3.80 |     2.70 |
      7320 |     7.50 |     5.10 |     3.90 |     2.70 |
      7330 |     7.40 |     4.90 |     3.70 |     2.60 |
      7340 |     7.30 |     4.90 |     3.70 |     2.60 |
      7350 |     7.70 |     5.30 |     4.20 |     3.10 |
      7360 |     7.90 |     5.00 |     3.80 |     2.70 |
      7370 |     7.80 |     5.30 |     4.20 |     3.10 |
      7380 |     7.30 |     4.80 |     3.70 |     2.50 |
      7390 |     7.90 |     5.20 |     4.10 |     3.00 |
      7400 |     9.50 |     6.00 |     4.60 |     3.20 |
      7410 |     7.50 |     4.90 |     3.70 |     2.50 |
      7420 |     7.30 |     4.90 |     3.70 |     2.50 |
      7430 |     7.30 |     4.80 |     3.60 |     2.40 |
      7440 |     7.40 |     4.90 |     3.70 |     2.50 |
      7450 |     7.30 |     4.90 |     3.70 |     2.60 |
      7460 |     7.20 |     4.90 |     3.70 |     2.50 |
      7470 |     7.30 |     5.10 |     3.90 |     2.70 |
      7480 |     7.20 |     5.00 |     3.80 |     2.60 |
      7490 |     7.10 |     4.90 |     3.70 |     2.50 |
      7500 |     7.00 |     4.80 |     3.60 |     2.40 |
      7510 |     7.40 |     4.90 |     3.60 |     2.40 |
      7520 |     7.40 |     4.90 |     3.60 |     2.40 |
      7530 |     7.80 |     5.30 |     4.10 |     2.90 |
      7540 |     7.40 |     5.00 |     3.90 |     2.70 |
      7560 |     7.40 |     4.90 |     3.70 |     2.50 |
      7570 |     7.40 |     4.90 |     3.70 |     2.50 |
      7580 |     7.60 |     4.90 |     3.70 |     2.40 |
      7590 |     7.60 |     5.10 |     3.90 |     2.60 |
      7600 |     7.60 |     5.00 |     3.70 |     2.50 |
      7610 |     8.00 |     5.10 |     3.80 |     2.60 |
      7620 |     8.00 |     5.30 |     4.10 |     2.80 |
      7630 |     9.50 |     5.50 |     4.10 |     2.70 |
      7640 |     9.60 |     5.40 |     3.90 |     2.50 |
      7650 |     9.60 |     5.80 |     4.10 |     2.80 |
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      7670 |     8.90 |     5.40 |     3.90 |     2.60 |
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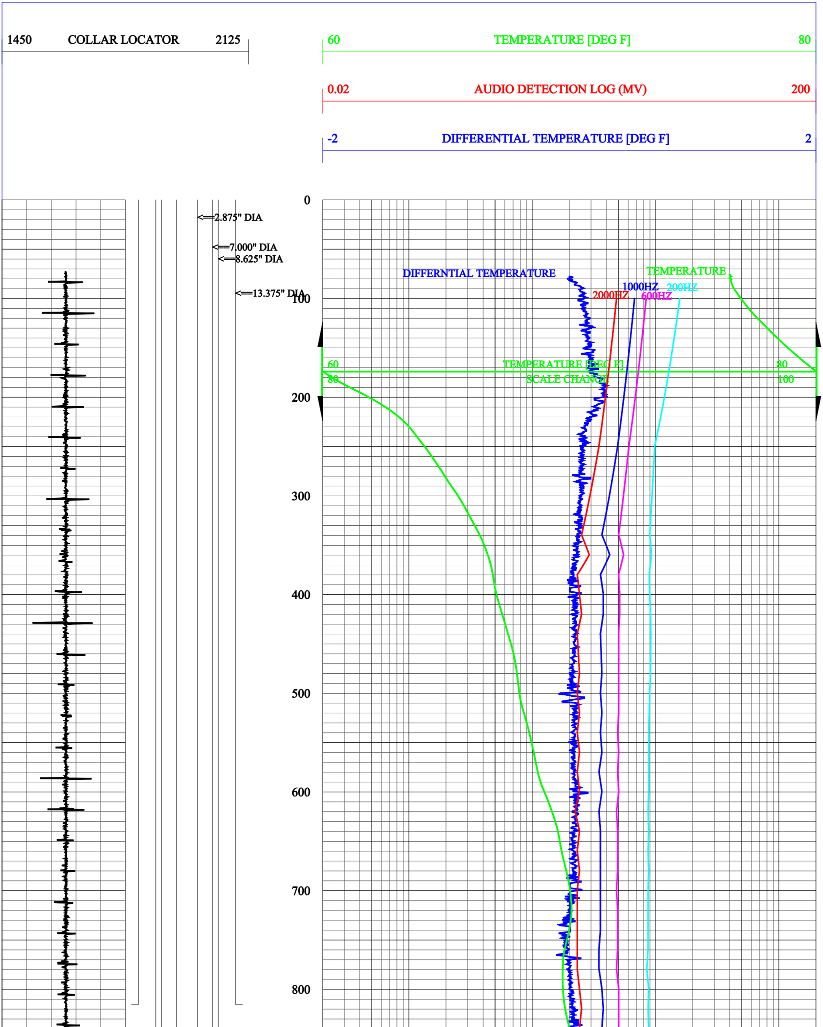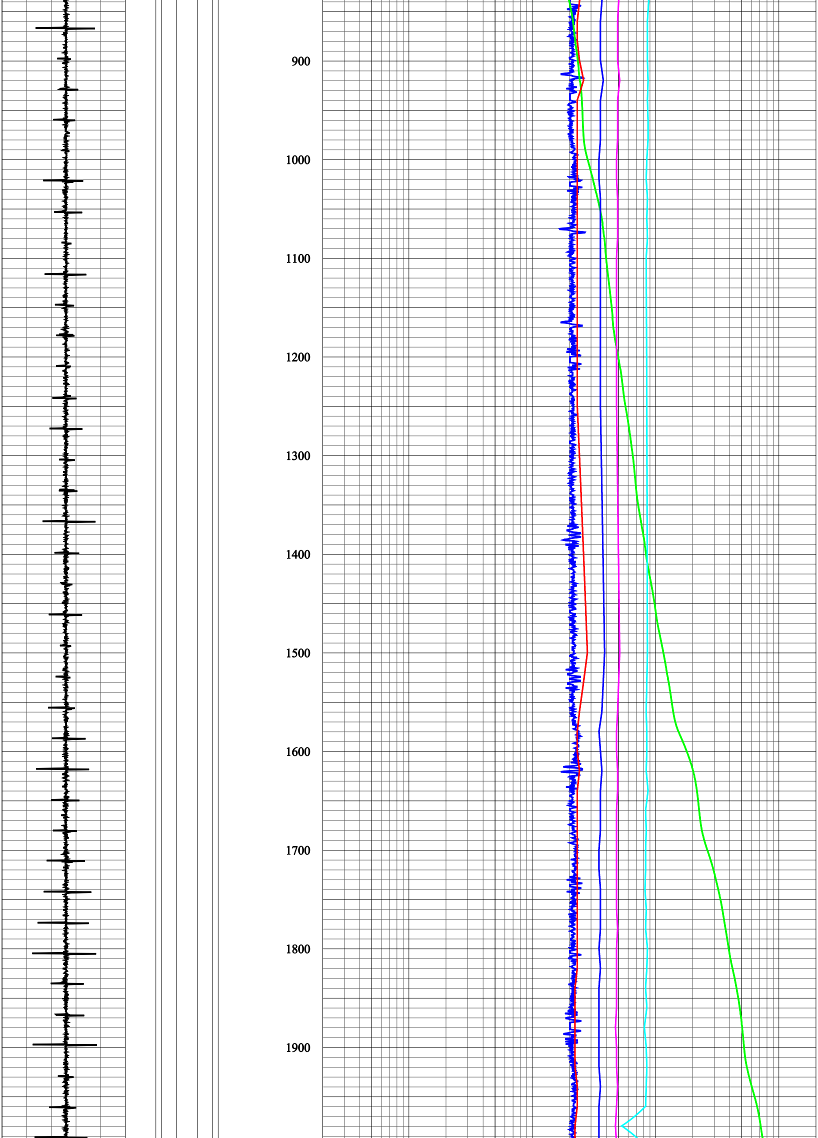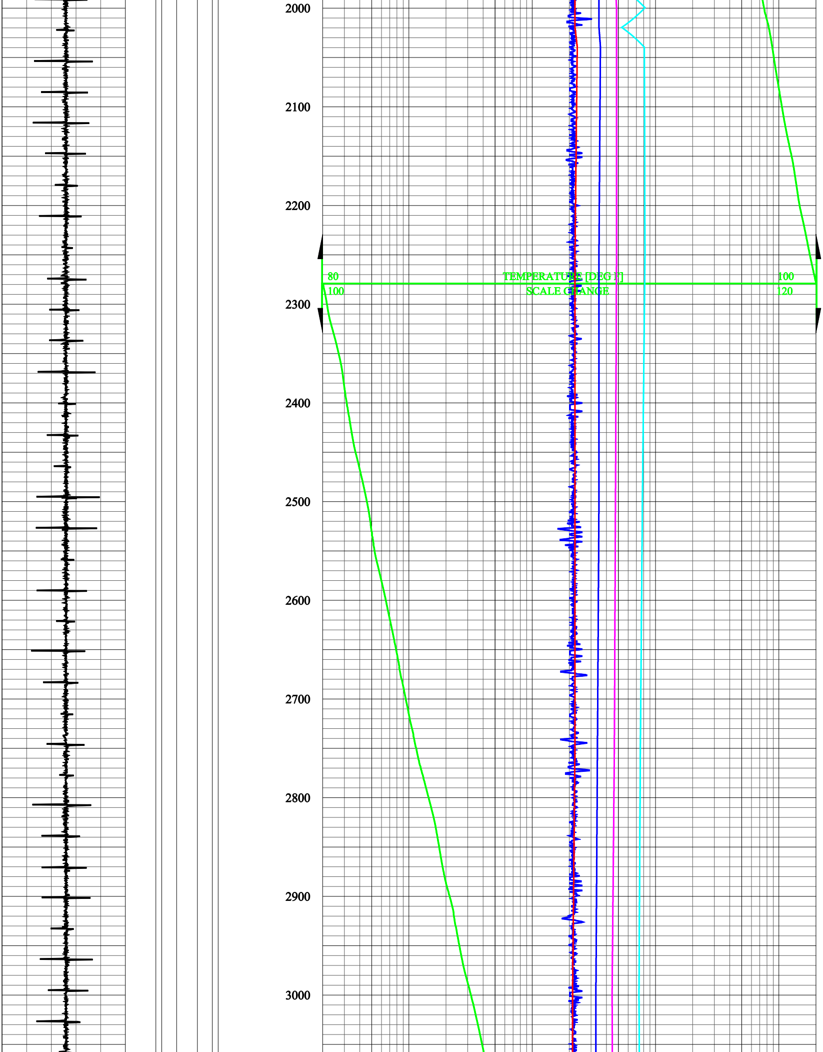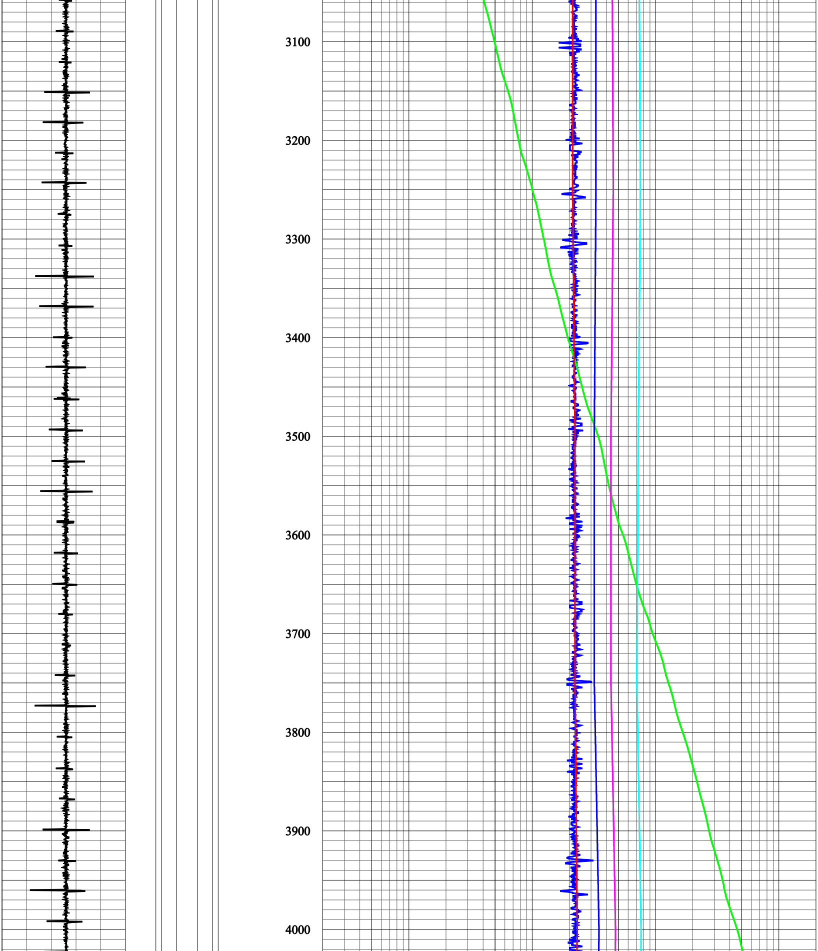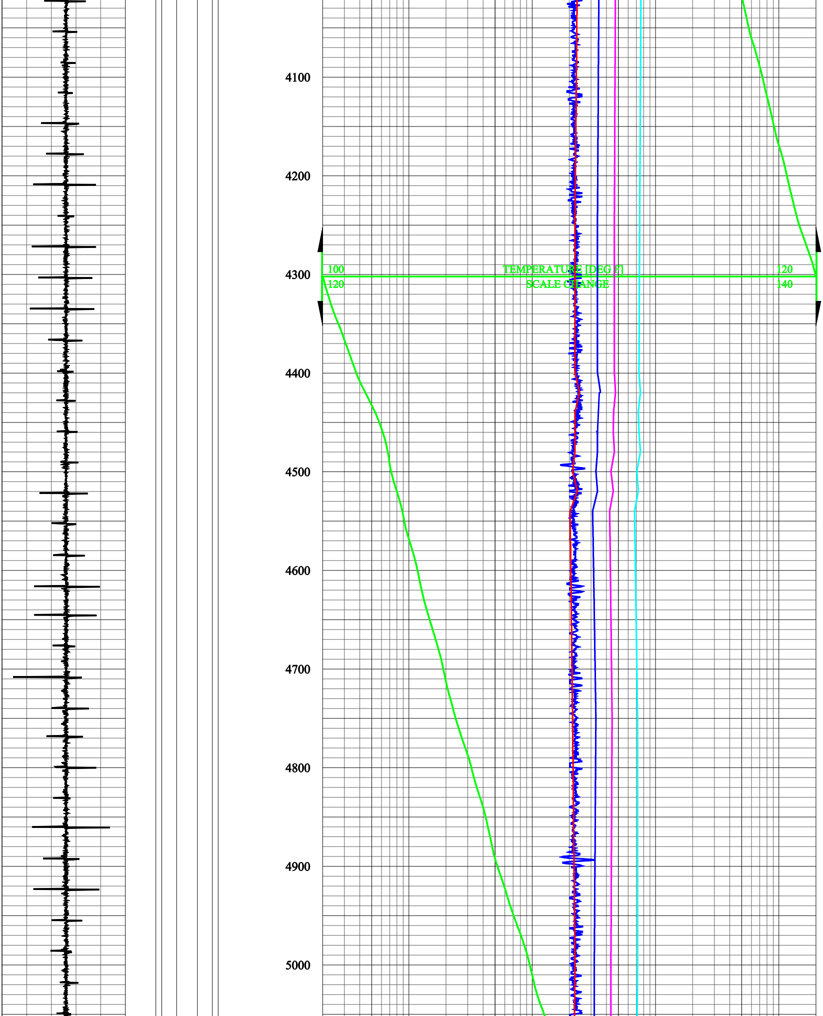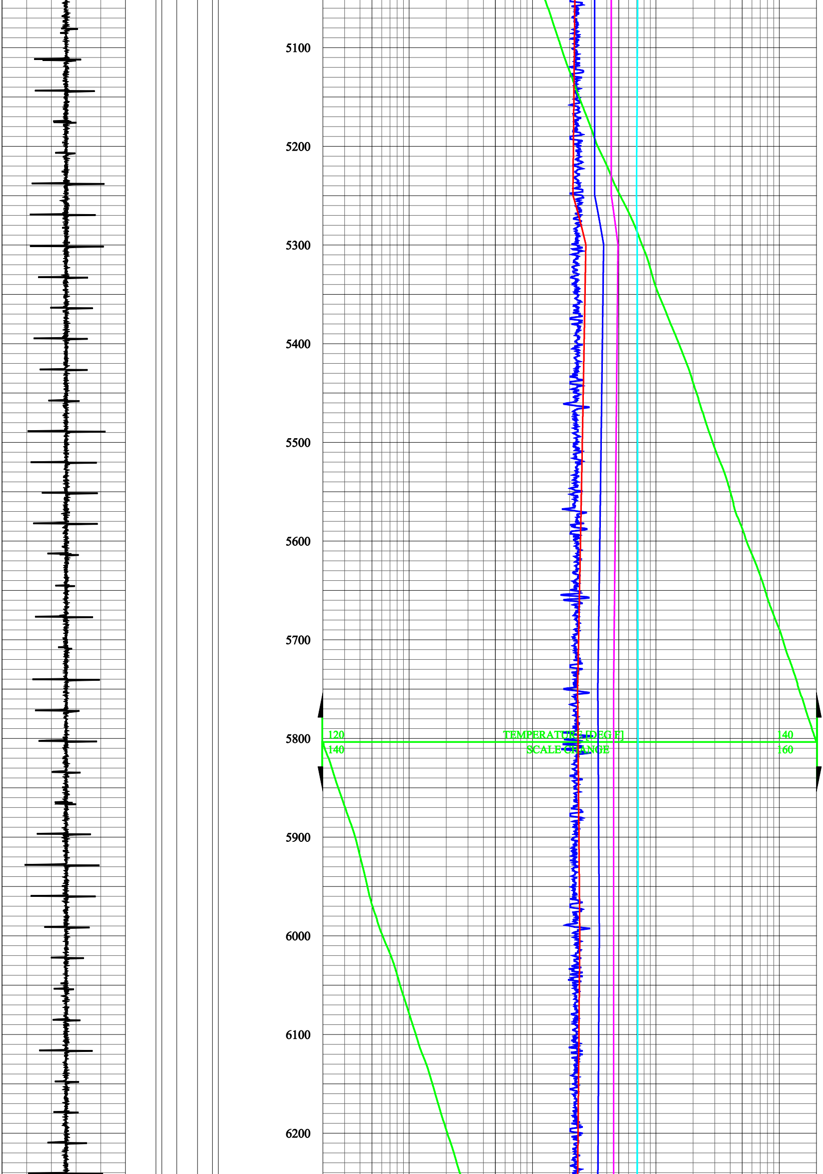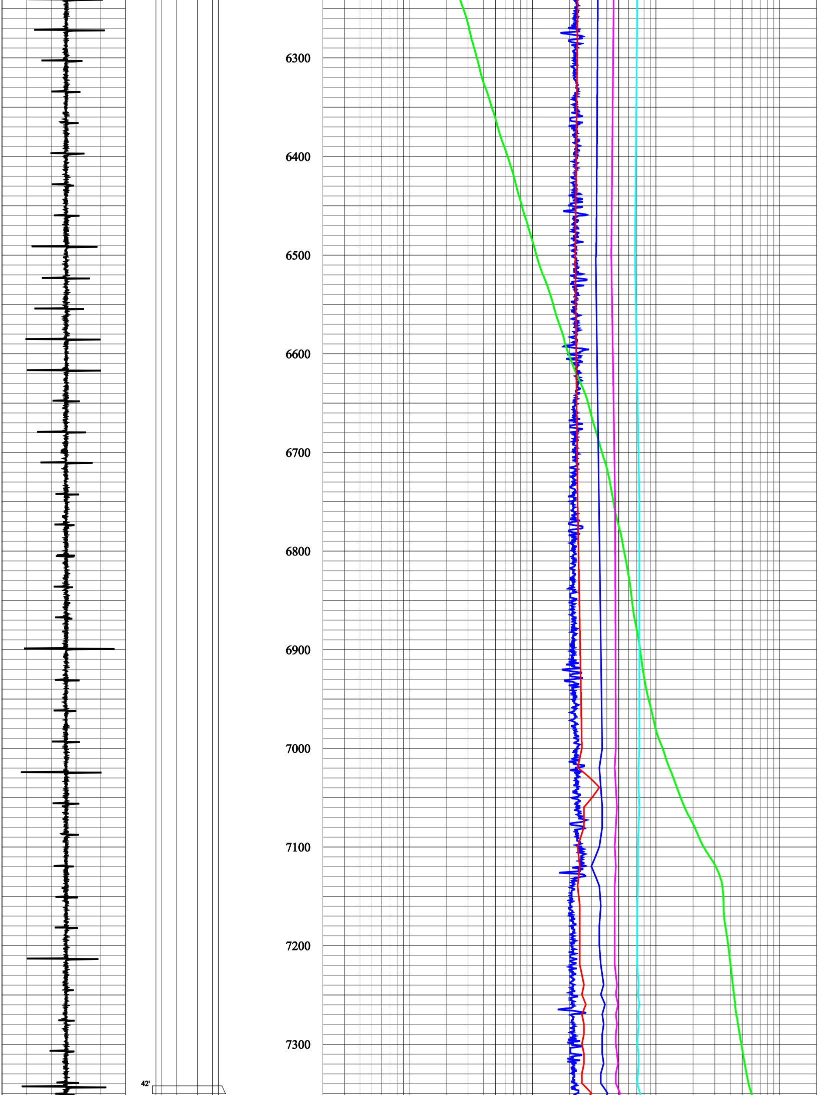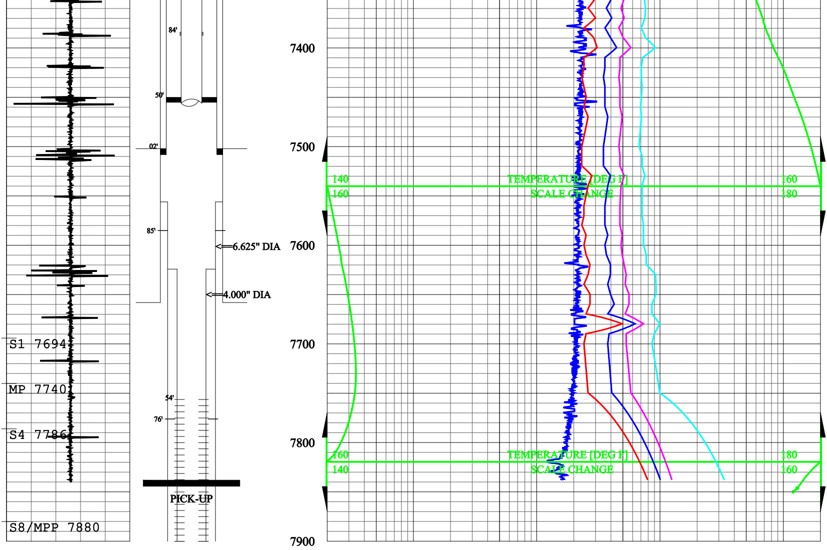7680	10.30	7.60	6.50	5.10
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7838	34.30	12.90	10.40	8.20