WELL ANALYSIS CORPORATION

TEMPERATURE SURVEY

FILING NO.

BD

COMPANY: SOUTHERN CALIF. GAS CO.
WELL: PORTER 24A
FIELD: ALISO CANYON
COUNTY: LOS ANGELES STATE: CALIFORNIA

LOCATION:

DISTRICT 2

API NUMBER: 0403724143
SEC: 27 TWN: 3N RNG: 16W

OTHER SVC:

PERMANENT DATUM: GROUND LEVEL ELEV:

LOG MEASURED FROM KB 22' ABOVE PERM DATUM

DRILLING MEASURED FROM

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

DATE LOG RAN	07-19-2010	PRESSURE	FLOWING	INJECTION	SHUT-IN
RUN NUMBER	ONE	TUBING PSI			2850
EFFECTIVE DEPTH	7850'	CASING PSI			0
PICKUP DEPTH	7412'	INJECTION RATE	N/A		
BOT LOGGED INT	7412'	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	SHUT-IN			PRODUCTION DATA	
MAX TEMPERATURE	165.9 F	OIL Gr.		OIL =	
AT DEPTH	7356.0'	GAS Gr.		GAS=	
TEMPERATURE SENS	1 F/DIV.	MPP		BHP =	
LOGGING SPEED	VARIOUS			WATER=	
RECORDED BY	R. LOPEZ				
WITNESSED BY	WAIVED				
ENGINEER	E. ALACRON				
DEPTH CORRELATION	PACKER				

Equipment Data

CCL 1.375"		
TEMPERATURE TOOL 1.375"		
AUDIO DETECTOR 1.375"		

Remarks/Survey Results

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SURVEY INDICATES NO ABOVE NORMAL ACTIVITY.
10:30 AM ON LOCATION
05:00 PM OFF LOCATION
SAND TAG MARKERS: 7141' TOP MP
                  7367' TOP S1
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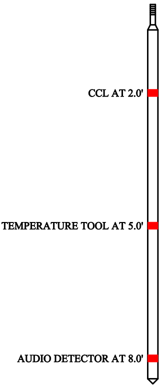
CASING AND TUBING RECORD

SIZE	WT(#)	FROM	TO	SIZE	WT(#)	FROM	TO
13.375"	54.5	SURFACE	818'				
9.625"	47	SURFACE	7412'				
5.5"	17	7354'	7850'				
2.875"	6.5	SURFACE	7272.84'				

STR.	PIPE DIA.	PERFORATIONS
A	5.5"	7419'-7658', 7845'-7719'.
		PACKERS: 7270'-7277'.
		NO-GO: 7236'.
		COLLARS: 7108-7093'.
		MANDRELS: 7163'.

TOOL DIAGRAM



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     Audio Data:  C:\DATA\NOISE.txt
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   DEPTH |   200HZ |   600HZ |  1000HZ |  2000HZ |
--------------------------------------------------
     500 |   12.00 |   11.90 |    9.50 |    4.90 |
    1000 |   11.90 |   11.50 |    9.60 |    5.00 |
    2000 |   11.90 |   11.60 |    9.50 |    5.00 |
    3000 |   11.80 |   11.90 |    9.50 |    4.90 |
    3900 |   11.90 |   11.60 |    5.30 |    5.00 |
    3910 |   11.90 |   11.50 |    9.70 |    4.90 |
    3920 |   11.50 |   11.30 |    9.50 |    4.60 |
    3930 |   11.80 |   11.50 |    9.80 |    4.90 |
    3940 |   11.40 |   11.20 |    9.50 |    4.60 |
    3950 |   11.80 |   11.50 |    9.70 |    4.80 |
    3955 |   11.80 |   11.50 |    9.80 |    4.80 |
    3960 |   11.80 |   11.50 |    9.80 |    4.90 |
    3965 |   11.80 |   11.50 |    9.70 |    5.00 |
    3970 |   11.80 |   11.50 |    9.60 |    4.80 |
    3975 |   11.70 |   11.50 |    9.70 |    4.50 |
    3980 |   11.80 |   11.50 |    9.80 |    5.00 |
    3985 |   11.70 |   11.50 |    9.70 |    4.90 |
    3990 |   11.80 |   11.50 |    9.80 |    4.90 |
    3995 |   11.90 |   11.60 |    9.90 |    4.40 |
    4000 |   11.70 |   11.50 |    9.70 |    4.80 |
    4005 |   11.90 |   11.50 |    9.80 |    4.80 |
    4010 |   11.90 |   11.50 |    9.80 |    4.90 |
    4015 |   11.90 |   11.60 |    9.90 |    5.10 |
    4020 |   11.90 |   11.60 |    9.80 |    4.80 |
    4025 |   11.80 |   11.50 |    9.70 |    5.00 |
    4035 |   11.70 |   11.50 |    9.70 |    4.90 |
    4045 |   11.80 |   11.50 |    9.80 |    4.90 |
    4058 |   11.80 |   11.40 |    9.70 |    4.80 |
    4065 |   11.70 |   11.50 |    9.60 |    4.90 |
    4075 |   11.70 |   11.50 |    9.70 |    4.90 |
    4100 |   11.70 |   11.60 |    9.90 |    4.90 |
    4125 |   11.80 |   11.50 |    9.80 |    4.90 |
    4150 |   11.80 |   11.60 |    9.80 |    5.00 |
    4200 |   11.80 |   11.50 |    9.70 |    5.10 |
    5400 |   11.60 |   11.40 |    9.80 |    5.10 |
    5410 |   11.70 |   11.50 |    9.70 |    5.10 |
    5420 |   11.70 |   11.50 |    9.70 |    5.00 |
    5430 |   11.70 |   11.50 |    9.80 |    5.10 |
    5440 |   11.40 |   11.20 |    9.50 |    4.80 |
    5450 |   11.40 |   11.20 |    9.50 |    4.70 |
    6470 |   11.40 |   11.20 |    9.50 |    4.70 |
    6480 |   11.80 |   11.60 |   10.00 |    5.20 |
    6490 |   11.90 |   11.50 |    9.80 |    5.10 |
    6500 |   11.80 |   11.50 |    9.80 |    5.30 |
    6510 |   11.70 |   11.40 |    9.70 |    5.10 |
    6520 |   11.70 |   11.40 |    9.80 |    5.10 |
    6580 |   11.70 |   11.40 |    9.80 |    5.20 |
    6540 |   11.80 |   11.50 |    9.80 |    5.10 |
    6550 |   11.80 |   11.50 |    9.90 |    5.10 |
    6560 |   11.70 |   11.40 |    9.80 |    5.20 |
    6570 |   11.60 |   11.40 |    9.70 |    5.20 |
    6580 |   11.60 |   11.40 |    9.70 |    5.20 |
    6590 |   11.60 |   11.40 |    9.80 |    5.20 |
    6600 |   11.80 |   11.40 |    9.70 |    5.30 |
    6610 |   11.70 |   11.40 |    9.80 |    5.10 |
    6620 |   11.80 |   11.50 |    9.00 |    5.20 |
    6630 |   11.90 |   11.40 |    9.70 |    5.30 |
    6640 |   11.80 |   11.20 |    9.60 |    4.90 |
    6650 |   11.80 |   11.50 |    9.90 |    5.20 |
    6660 |   11.70 |   11.50 |    9.90 |    5.20 |
    6670 |   11.80 |   11.40 |    9.80 |    5.10 |
    6680 |   11.70 |   11.80 |    9.80 |    5.20 |
    6690 |   11.70 |   11.40 |    9.80 |    5.30 |
    6700 |   11.80 |   11.50 |    9.80 |    5.40 |
    6710 |   11.80 |   11.50 |    9.90 |    5.10 |
    6720 |   11.60 |   11.40 |    9.70 |    5.10 |
    6760 |   11.70 |   11.50 |    9.80 |    5.10 |
    6740 |   11.40 |   11.20 |    9.70 |    5.00 |
    6750 |   11.60 |   11.40 |    9.80 |    5.00 |
    6775 |   11.60 |   11.40 |    9.80 |    5.10 |
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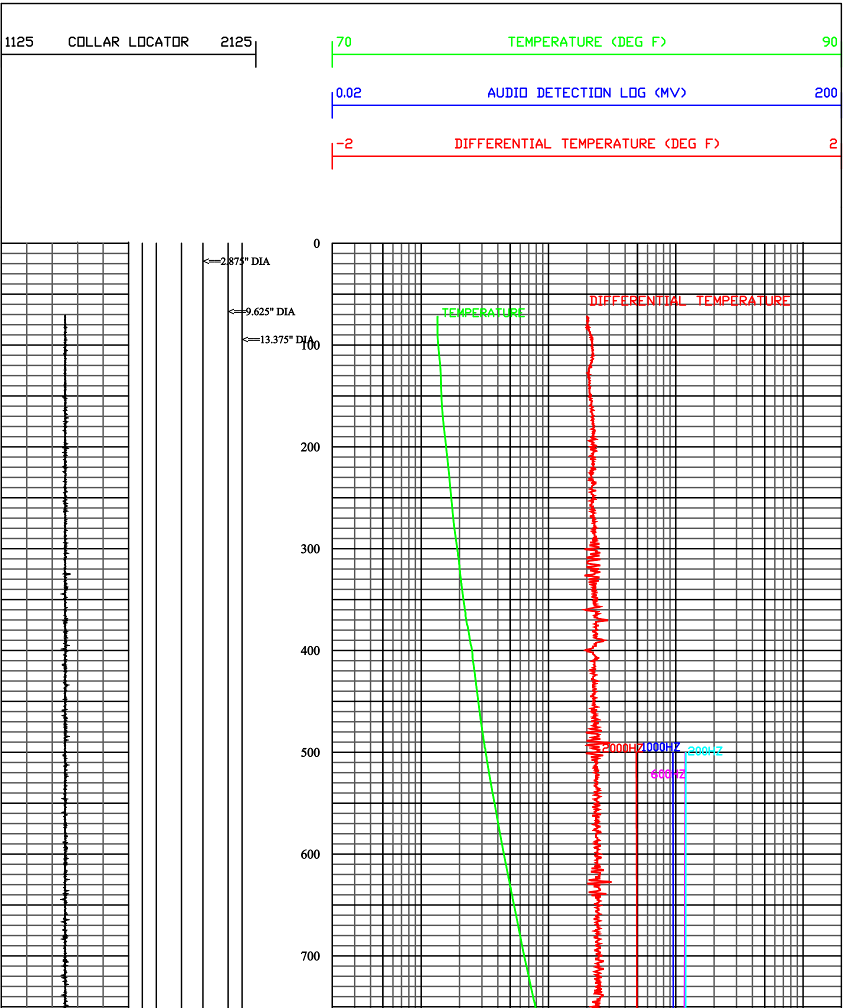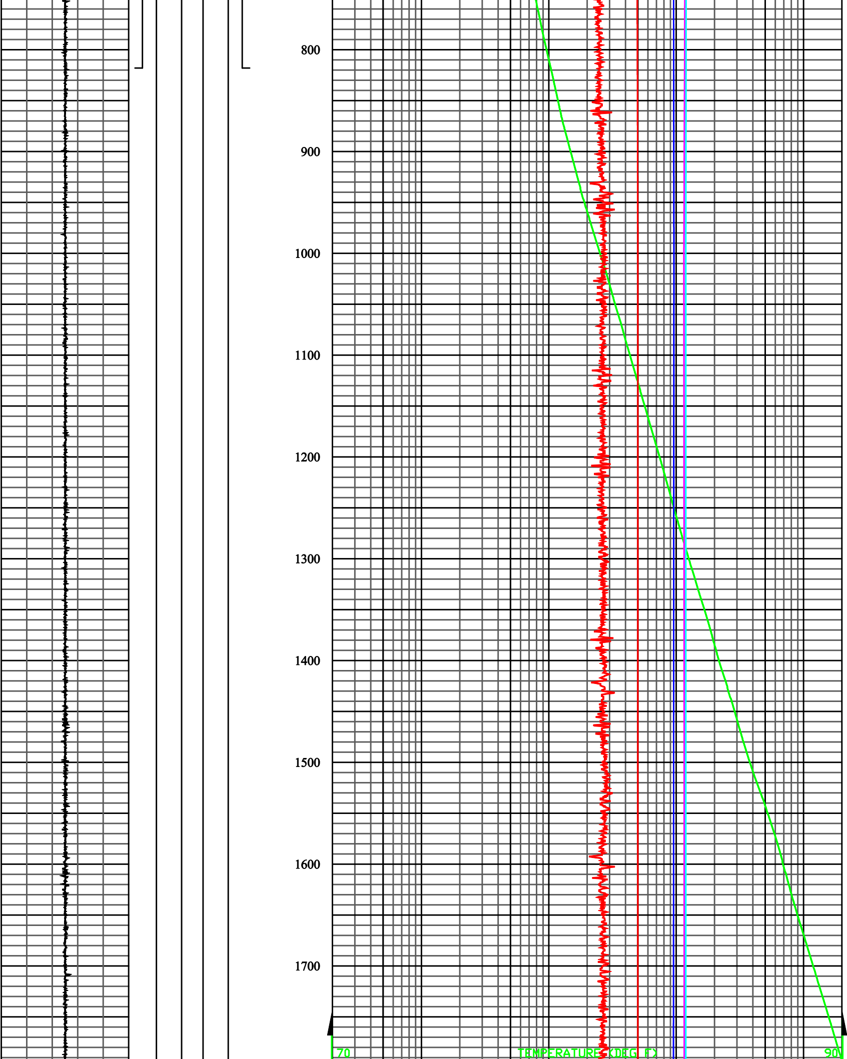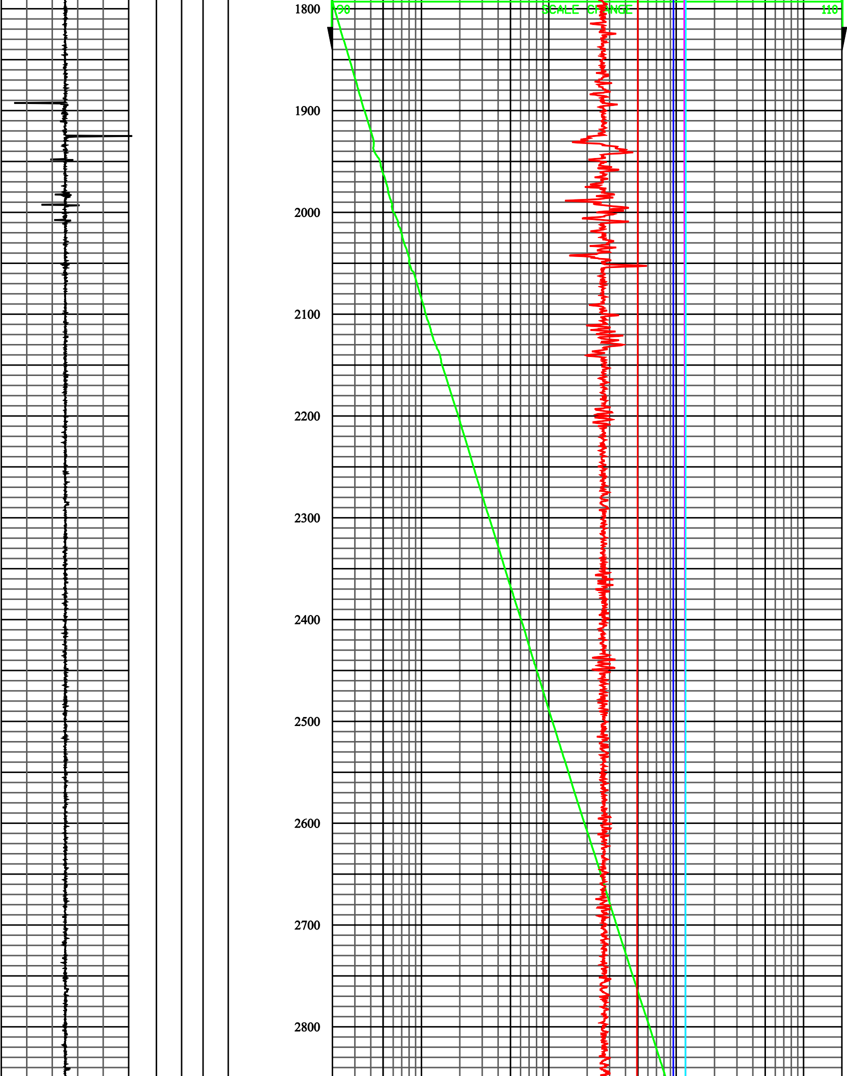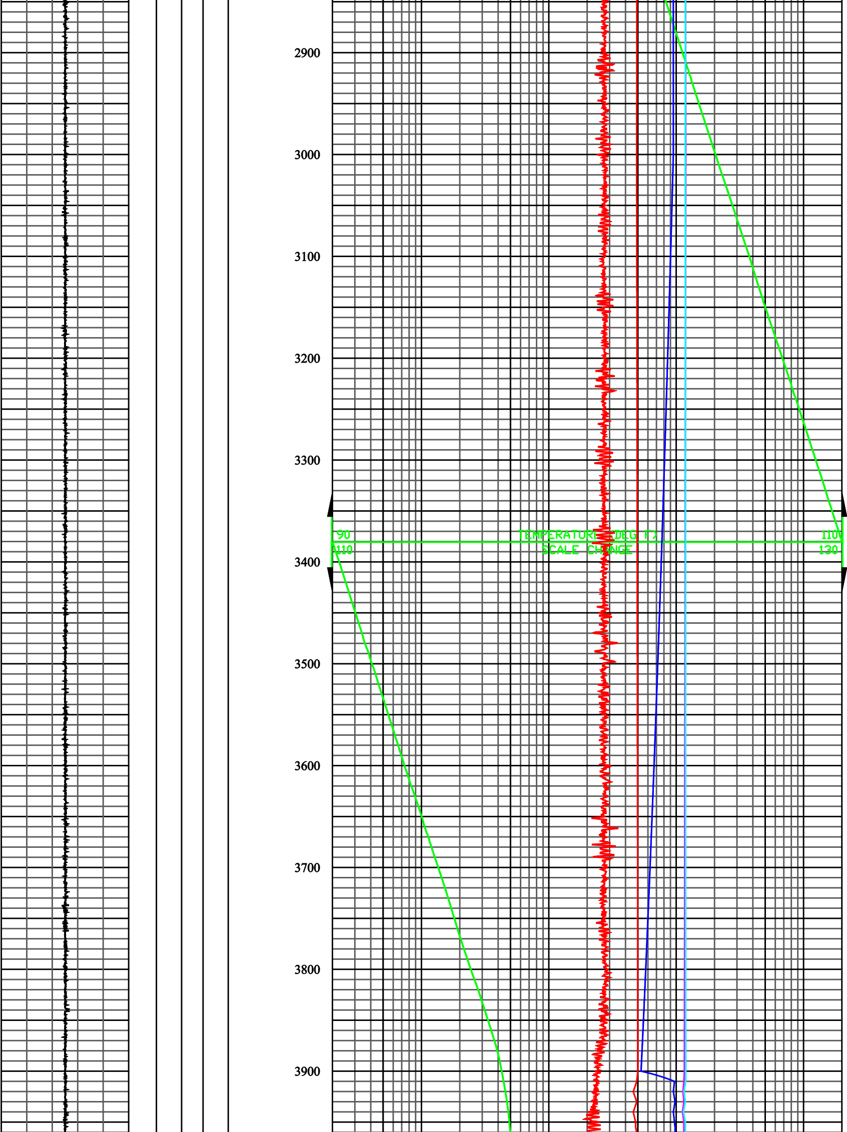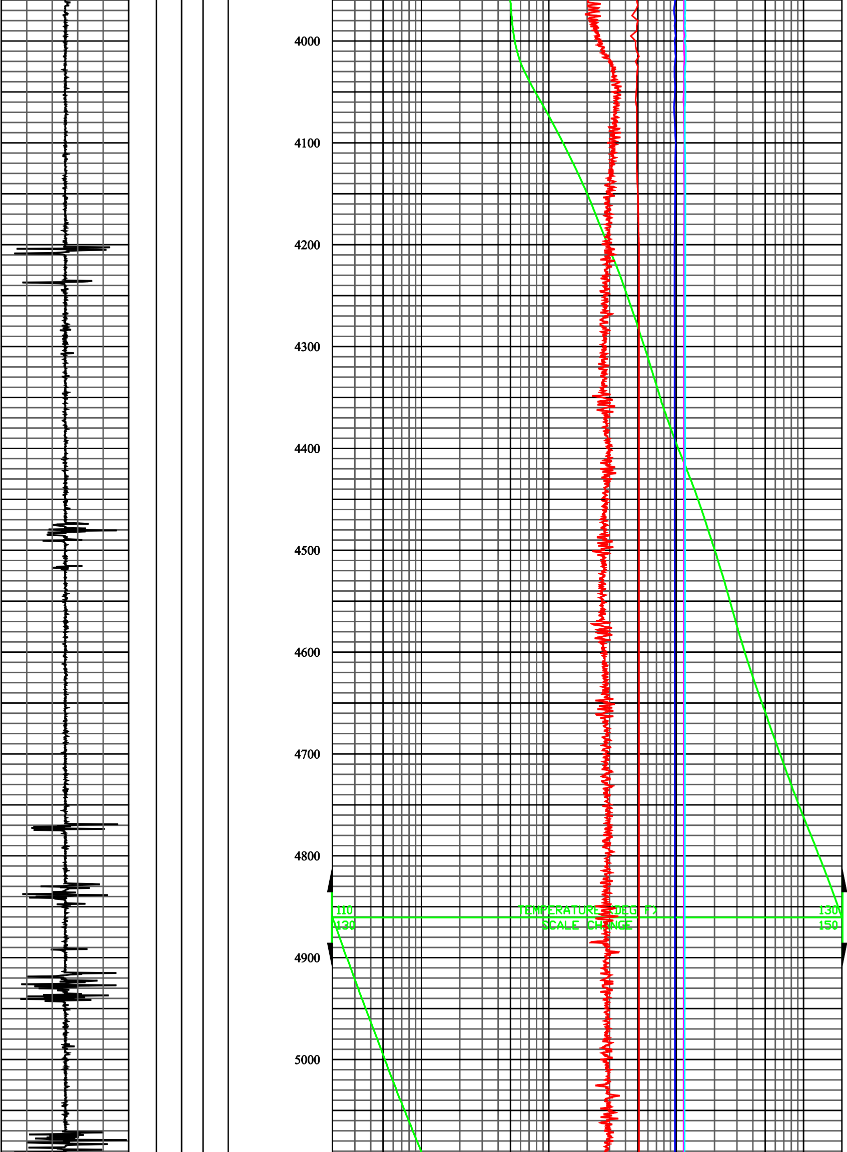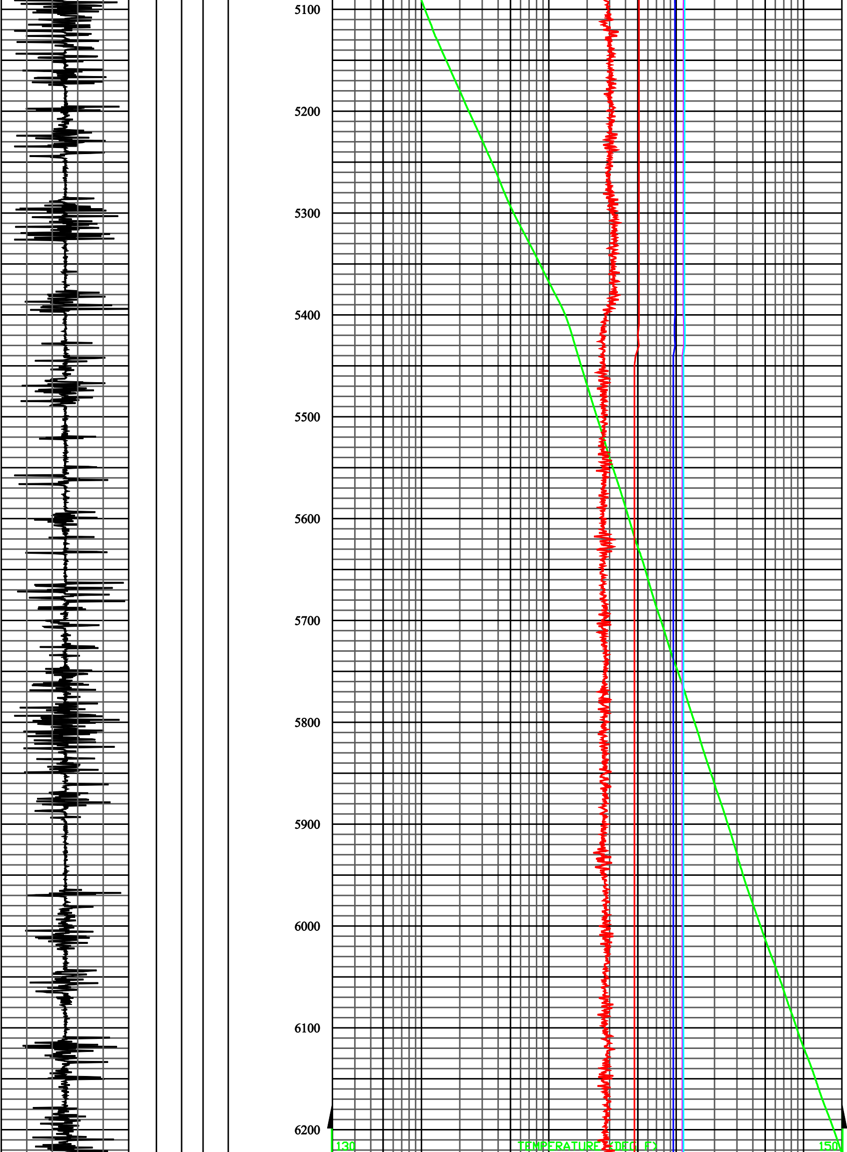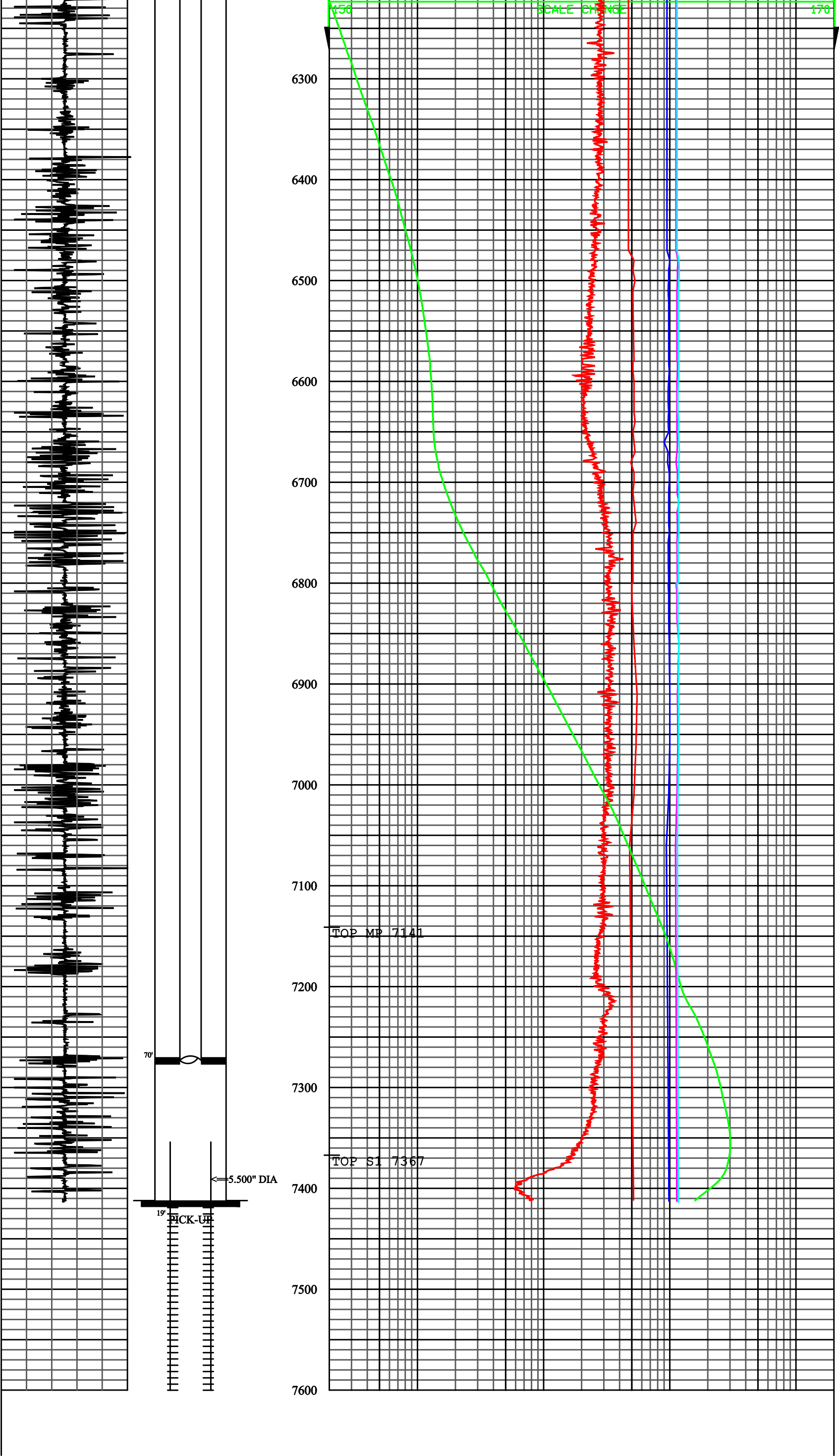6800	11.80	11.80	9.90	5.20
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6900	11.80	11.60	10.00	5.40
6950	11.60	11.40	9.80	5.20
7000	11.50	11.10	9.40	4.80
7390	11.70	11.40	9.90	5.20
7400	11.50	11.90	9.70	5.30
7410	11.50	11.30	9.70	5.40