WELL ANALYSIS CORPORATION

AUDIO DETECTION SURVEY

COMPANY: SOUTHERN CALIF. GAS CO.
WELL: PORTER 37-A
FIELD: ALISO CANYON
COUNTY: LOS ANGELES STATE: CALIFORNIA

WELL TYPE
GS, OG

LOCATION:
DISTRICT 2

OTHER SVC:

API NUMBER: 0403722046
SEC: 27 TWN: 3N RNG: 16W

BFW

-ELEVATIONS-
KB: 1919.00 Ft.
DF: Ft.
GL: 1898.00 Ft.

PERMANENT DATUM: GROUND LEVEL ELEV: 1898.00'
LOG MEASURED FROM KB 21' ABOVE PERM DATUM
DRILLING MEASURED FROM

DATE LOG RAN	03-28-2016	PRESSURE	FLOWING	INJECTION	SHUT-IN
RUN NUMBER	ONE	TUBING PSI			1132
EFFECTIVE DEPTH	7850'	CASING PSI			1132
PICKUP DEPTH	7806'	INJECTION RATE		N|A	
BOT LOGGED INT	7806'	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	173.9 F	OIL Gr.	N|A	OIL =	N|A
AT DEPTH	7806.0'	GAS Gr.	N|A	GAS=	N|A
TEMPERATURE SENS	1 F/DIV.	MPP	N|A	BHP =	N|A
LOGGING SPEED	100 FPM			WATER=	N|A
RECORDED BY	C.BARAJAS				
WITNESSED BY	N|A				
EMAIL TO	A.KARGAR				
DEPTH CORRELATION	LINER TOP				

Equipment Data

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

Remarks/Survey Results

11:00AM - ON LOCATION

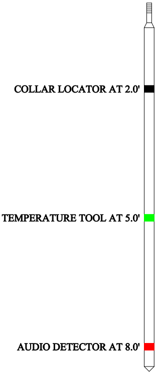
SAND TAG MARKERS: 7280' TOP MP
7482' TOP S1
7565' TOP S4
7670' TOP S8

CASING AND TUBING RECORD

SIZE	WT(#)	FROM	TO	SIZE	WT(#)	FROM	TO
13.375"	54.5	SURFACE	1024'				
8.625"	40	SURFACE	7560'				
5.500"	20	7386'	7850'				
2.875"	9.3	SURFACE	7341'				

STR.	PIPE DIA.	PERFORATIONS
A	8.625"	WSO: 7471', 7472'-7474'.
A	5.500"	7397'-7438', 7548'-7829'.
		PACKERS: 7330'.
		SLEEVES: 7263'.
		NO-GO: 7267'.

TOOL DIAGRAM



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     Audio Data:  C:\data\NOISE.txt
--------------------------------------------------
   DEPTH |   200HZ |   600HZ |  1000HZ |  2000HZ |
--------------------------------------------------
     100 |    4.00 |    3.30 |    1.80 |    0.90 |
     250 |    4.20 |    3.30 |    1.80 |    0.90 |
     500 |    3.70 |    3.30 |    1.80 |    0.90 |
     750 |    3.70 |    3.20 |    1.80 |    0.90 |
     900 |    3.70 |    3.30 |    1.70 |    0.80 |
     920 |    3.80 |    3.30 |    1.80 |    0.90 |
     940 |    3.70 |    3.30 |    1.80 |    0.90 |
     960 |    3.70 |    3.30 |    1.80 |    0.90 |
     980 |    3.80 |    3.20 |    1.80 |    0.90 |
    1000 |    3.80 |    3.20 |    1.80 |    0.90 |
    1020 |    3.70 |    3.20 |    1.70 |    0.90 |
    1040 |    3.60 |    3.20 |    1.70 |    0.90 |
    1060 |    3.70 |    3.30 |    1.80 |    0.90 |
    1080 |    3.80 |    3.20 |    1.80 |    0.90 |
    1100 |    3.60 |    3.20 |    1.70 |    0.90 |
    1250 |    3.70 |    3.20 |    1.70 |    0.90 |
    1500 |    3.90 |    3.30 |    1.90 |    0.90 |
    1750 |    3.80 |    3.30 |    1.80 |    0.90 |
    2000 |    3.50 |    3.10 |    1.70 |    0.90 |
    2250 |    3.40 |    3.10 |    1.70 |    0.90 |
    2500 |    3.50 |    3.10 |    1.80 |    0.90 |
    2750 |    3.40 |    3.10 |    1.70 |    0.90 |
    3000 |    3.50 |    3.10 |    1.70 |    0.90 |
    3250 |    3.50 |    3.10 |    1.70 |    0.90 |
    3500 |    4.00 |    3.20 |    1.80 |    0.90 |
    3750 |    3.90 |    3.20 |    1.80 |    0.90 |
    4000 |    3.40 |    3.00 |    1.70 |    0.90 |
    4250 |    3.50 |    3.10 |    1.70 |    0.90 |
    4500 |    3.70 |    3.10 |    1.80 |    0.90 |
    4750 |    3.70 |    3.10 |    1.80 |    0.90 |
    5000 |    3.80 |    3.10 |    1.80 |    0.90 |
    5200 |    3.50 |    3.10 |    1.80 |    0.90 |
    5500 |    3.50 |    3.10 |    1.80 |    0.90 |
    5750 |    3.30 |    3.00 |    1.80 |    0.90 |
    6000 |    3.30 |    3.00 |    1.80 |    0.90 |
    6020 |    3.40 |    3.10 |    1.80 |    0.90 |
    6040 |    3.30 |    3.00 |    1.80 |    0.90 |
    6060 |    3.30 |    3.00 |    1.80 |    0.90 |
    6080 |    3.30 |    3.00 |    1.80 |    0.90 |
    6100 |    3.50 |    3.10 |    1.80 |    0.90 |
    6120 |    3.40 |    3.00 |    1.70 |    0.90 |
    6140 |    3.30 |    3.00 |    1.70 |    0.90 |
    6160 |    3.30 |    3.00 |    1.70 |    0.90 |
    6180 |    3.40 |    3.00 |    1.80 |    0.90 |
    6200 |    3.30 |    3.00 |    1.70 |    0.90 |
    6220 |    3.30 |    3.00 |    1.70 |    0.90 |
    6240 |    3.30 |    3.00 |    1.80 |    0.90 |
    6260 |    3.40 |    3.10 |    1.80 |    0.90 |
    6280 |    3.30 |    3.00 |    1.70 |    0.90 |
    6300 |    3.40 |    3.00 |    1.80 |    0.90 |
    6320 |    3.30 |    3.00 |    1.70 |    0.90 |
    6340 |    3.30 |    3.00 |    1.80 |    0.90 |
    6360 |    3.30 |    3.00 |    1.80 |    0.90 |
    6380 |    3.30 |    3.00 |    1.80 |    0.90 |
    6400 |    3.30 |    3.00 |    1.80 |    0.90 |
    6500 |    3.30 |    3.00 |    1.80 |    0.90 |
    6750 |    3.40 |    3.10 |    1.90 |    0.90 |
    7000 |    3.30 |    3.00 |    1.70 |    0.90 |
    7200 |    3.20 |    3.00 |    1.70 |    0.90 |
    7210 |    3.30 |    3.00 |    1.80 |    0.90 |
    7220 |    3.30 |    3.00 |    1.80 |    0.90 |
    7230 |    3.20 |    3.00 |    1.70 |    0.90 |
    7240 |    3.30 |    3.00 |    1.80 |    0.90 |
    7250 |    3.20 |    3.00 |    1.70 |    0.90 |
    7260 |    3.50 |    3.10 |    1.80 |    0.90 |
    7270 |    3.60 |    3.00 |    1.80 |    0.90 |
    7280 |    3.30 |    3.00 |    1.70 |    0.90 |
    7290 |    3.30 |    3.00 |    1.80 |    0.90 |
    7300 |    3.20 |    3.00 |    1.70 |    0.90 |
    7310 |    3.30 |    3.00 |    1.70 |    0.90 |
    7320 |    3.30 |    3.00 |    1.80 |    0.90 |
    7330 |    3.30 |    3.00 |    1.80 |    0.90 |
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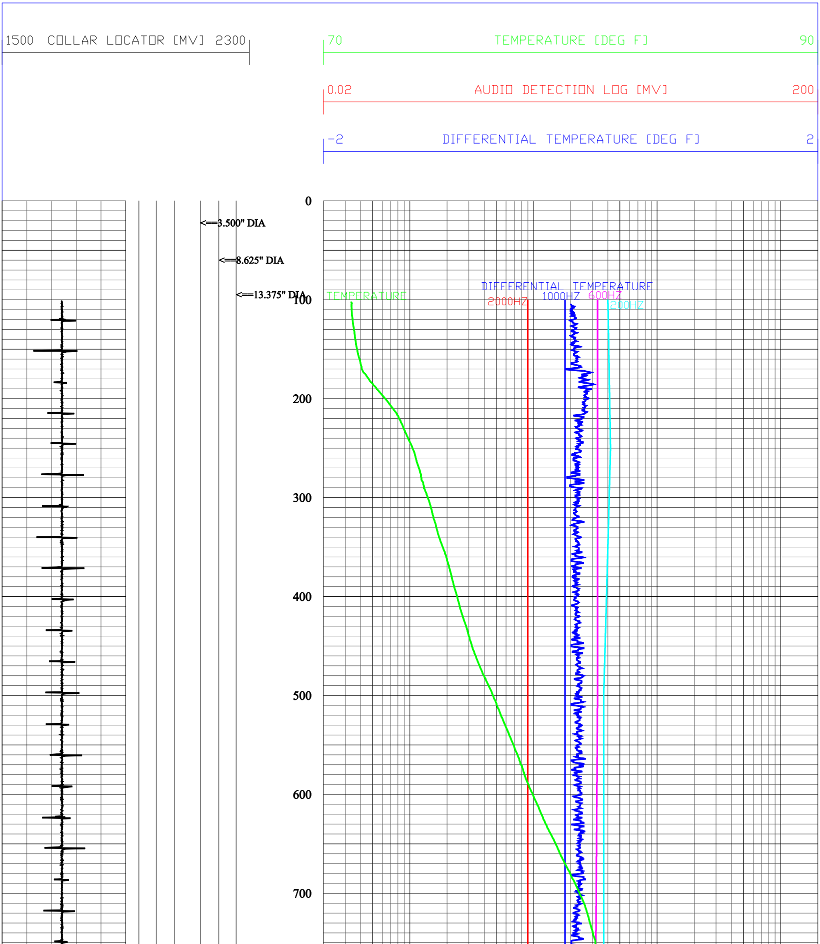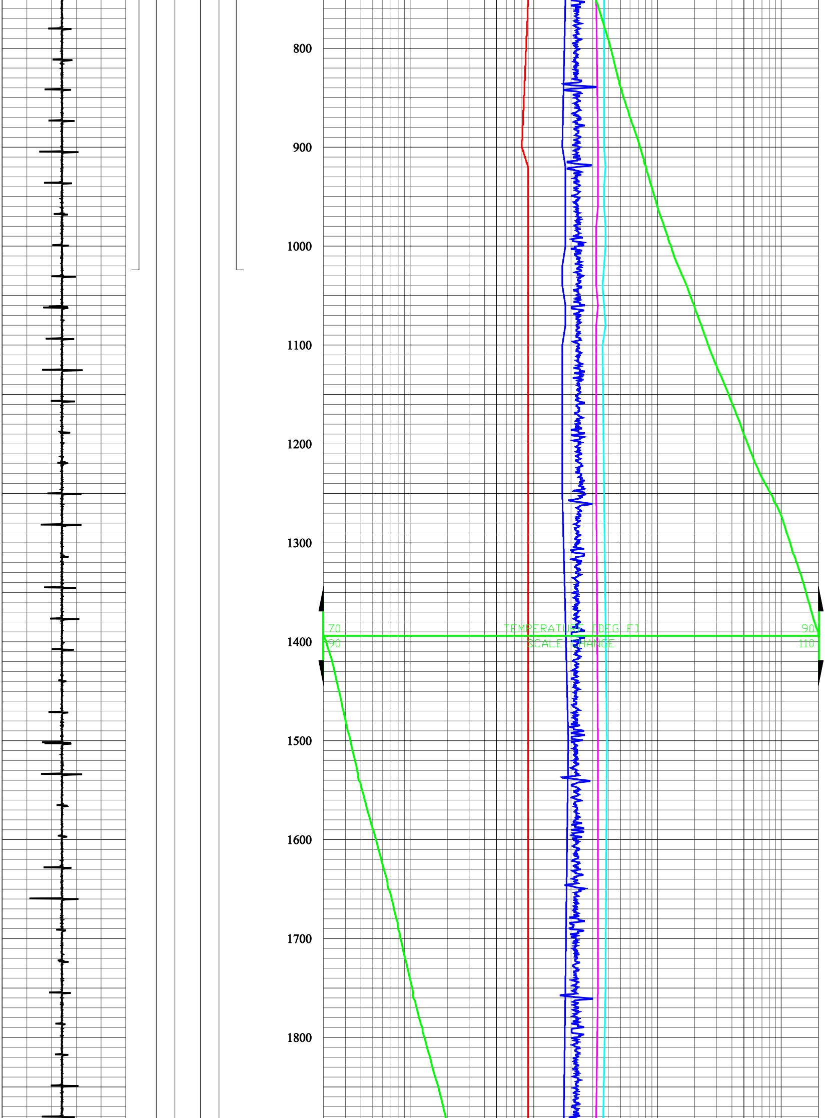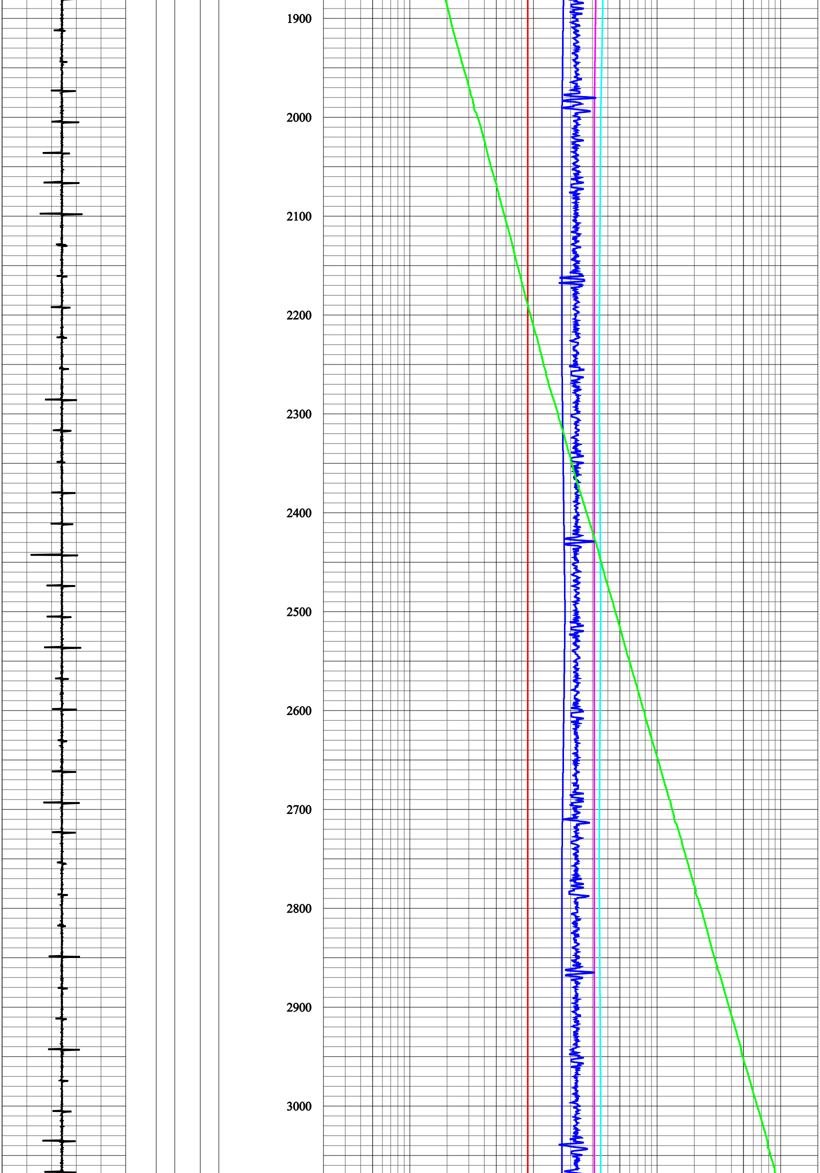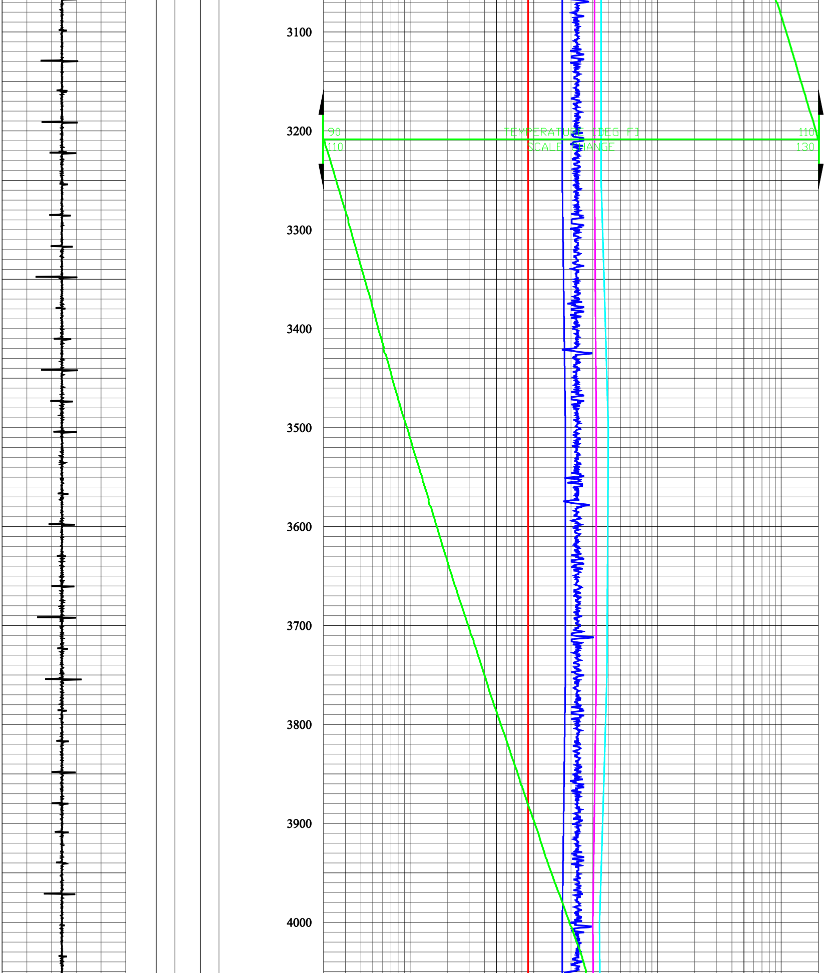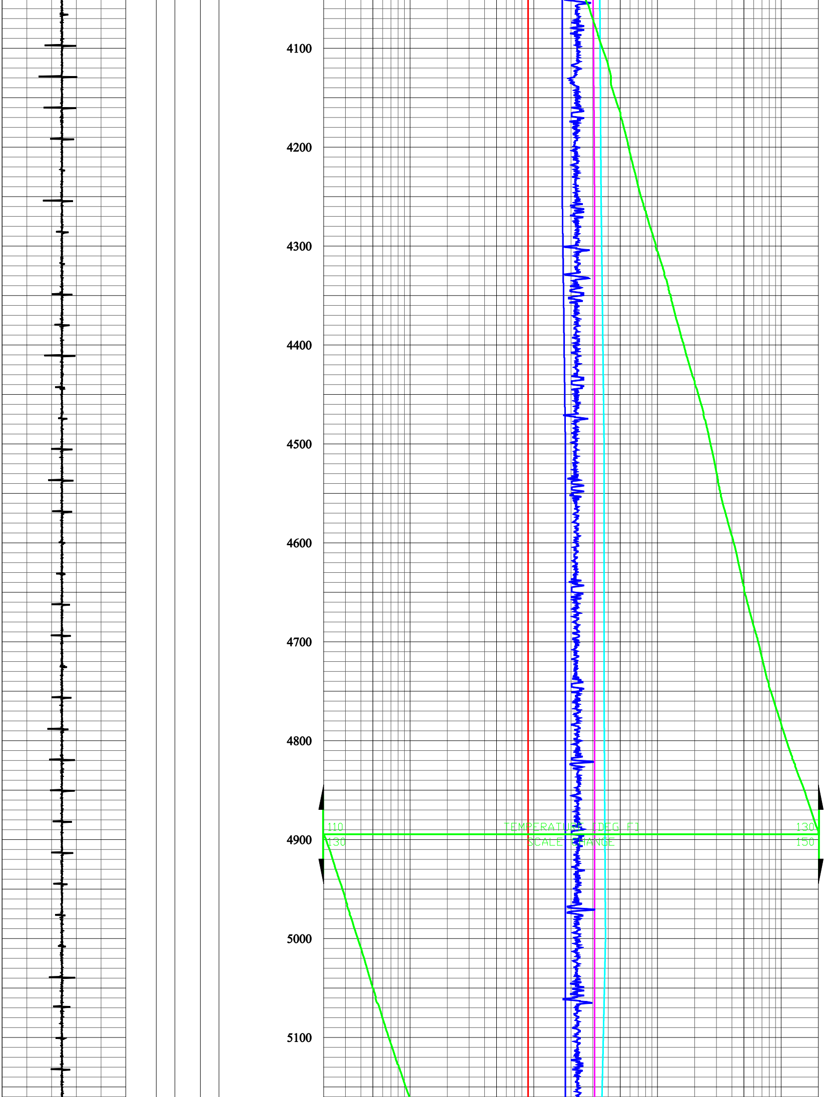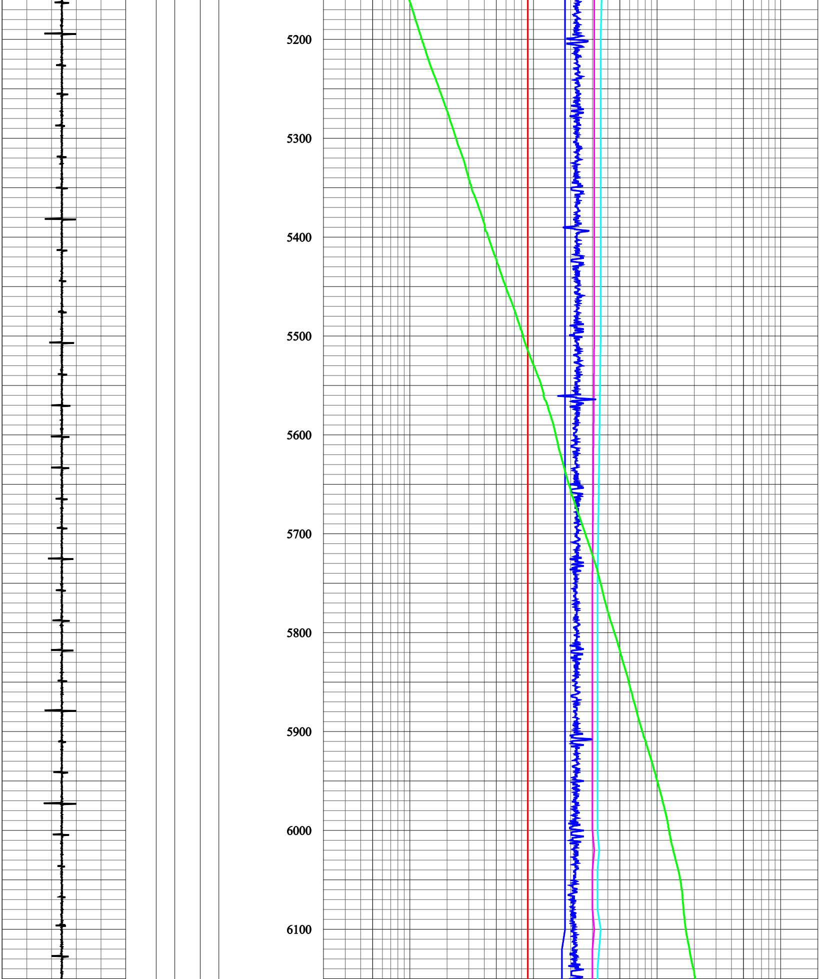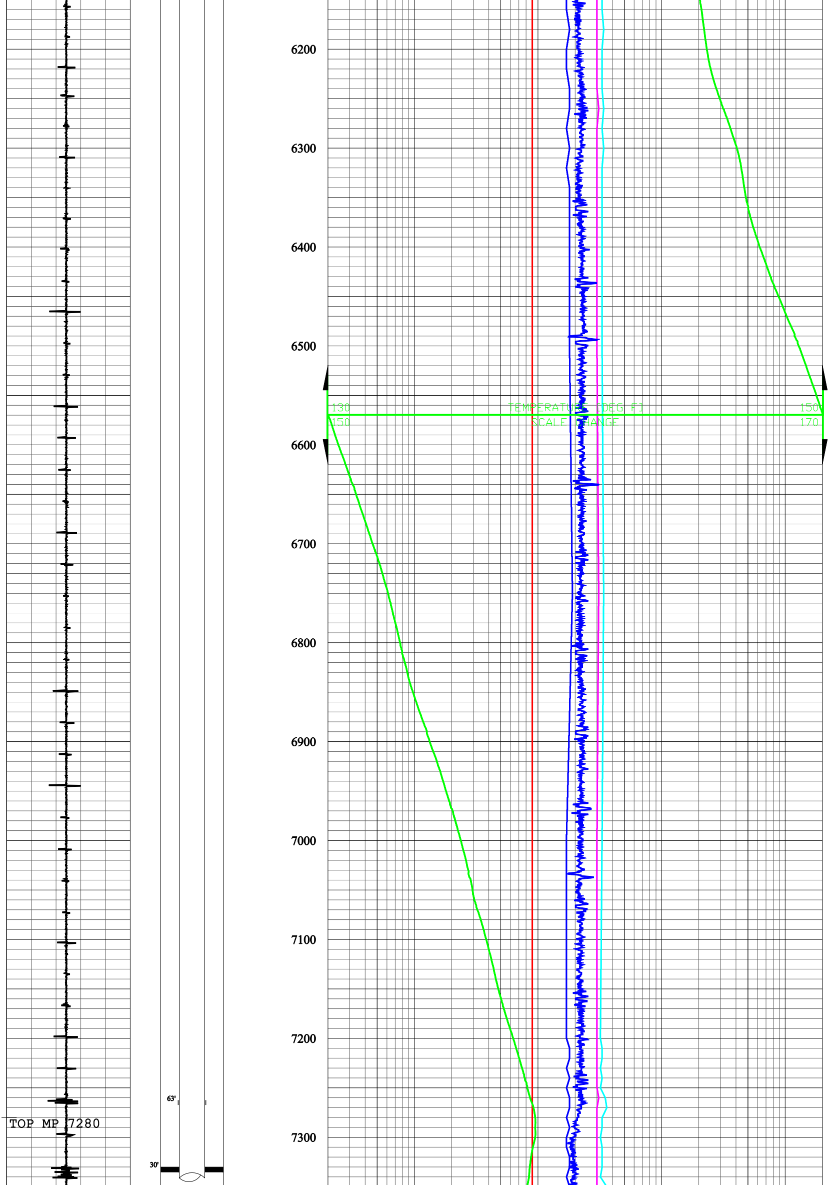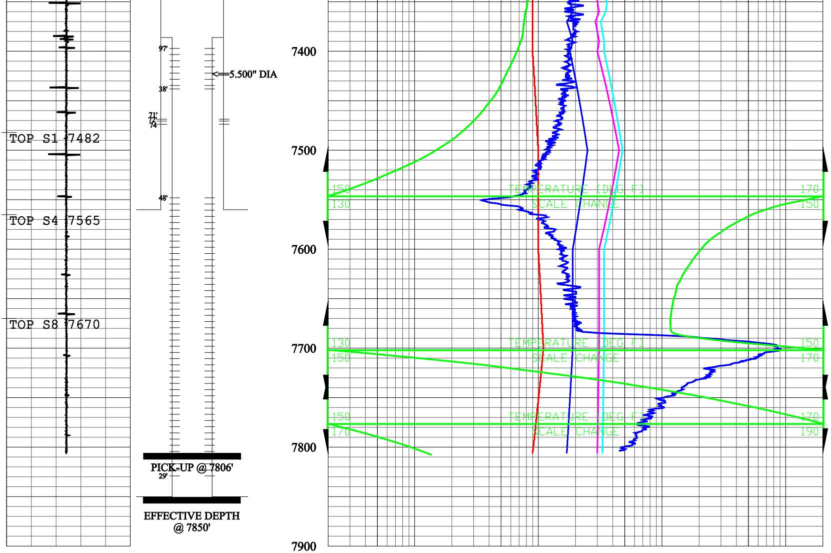7340	3.20	3.00	1.70	0.90
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7360	3.50	3.10	1.90	0.90
7370	3.20	2.90	1.70	0.90
7380	3.30	3.00	1.80	0.90
7390	3.40	3.10	1.90	0.90
7400	3.40	3.00	1.80	0.90
7500	4.80	4.50	2.50	1.00
7600	3.40	3.10	1.90	1.00
7700	3.40	3.10	1.90	1.10
7806	3.30	3.00	1.70	0.90