WELL ANALYSIS CORPORATION

AUDIO DETECTION SURVEY

WELL TYPE: GS

COMPANY: SOUTHERN CALIF. GAS CO.
WELL: MISSION ADRIAN 3
FIELD: ALISO CANYON
COUNTY: LOS ANGELES STATE: CALIFORNIA

LOCATION:
DISTRICT 2

API NUMBER: 0403700693
SEC: 34 TWN: 3N RNG: 16W

AJ

OTHER SVC:

PERMANENT DATUM: GROUND LEVEL ELEV: 2053.00 FT.

LOG MEASURED FROM KB 8' ABOVE PERM DATUM

DRILLING MEASURED FROM

-ELEVATIONS-
KB: 2061.00 Ft.
DF: Ft.
GL: 2053.00 Ft.

DATE LOG RAN	04-05-2016	PRESSURE	FLOWING	INJECTION	SHUT-IN
RUN NUMBER	ONE	TUBING PSI			
EFFECTIVE DEPTH	7893'	CASING PSI			
PICKUP DEPTH	7536'	INJECTION RATE	N|A		
BOT LOGGED INT	7536'	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	790'				
WELL STATUS	STATIC			PRODUCTION DATA	
MAX TEMPERATURE	174.9 F	OIL Gr.		OIL =	
AT DEPTH	7536'	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	MANDREL				

Equipment Data

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

Remarks/Survey Results

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7:00AM ON LOCATION
7:10AM RAN IN HOLE
7:15AM BEGIN SURVEY
10:30AM PULL OUT OF HOLE
10:45AM OFF LOCATION
SAND TAG MARKERS: 7614' TOP S1
                  7700' TOP S4
                  7847' TOP S8
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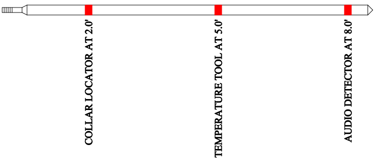
CASING AND TUBING RECORD

SIZE	WT(#)	FROM	TO	SIZE	WT(#)	FROM	TO
11.75"	54	SURFACE	549'				
7.000"	23	SURFACE	7800'				
5.50"	17	7209'	7875'				
2.875"	6.5	SURFACE	7559'				

STR.	PIPE DIA.	PERFORATIONS
A	5.50"	7705'-7752'.
		MANDRELS: 7489'-7494'.
		SLEEVES: 7524'-7529'.
		NO-GO: 7548'.

TOOL DIAGRAM



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     Audio Data:  C:\data\NOISE.txt
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   DEPTH |   200HZ |   600HZ |  1000HZ |  2000HZ |    COMMENTS
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     100 |   12.20 |    7.00 |    4.20 |    1.70 |
     250 |   11.70 |    6.90 |    4.20 |    1.60 |
     440 |   10.90 |    6.80 |    4.20 |    1.50 |
     460 |   11.10 |    6.90 |    4.20 |    1.50 |
     480 |   10.80 |    6.70 |    4.00 |    1.40 |
     500 |   10.80 |    6.70 |    4.00 |    1.50 |
     520 |   10.90 |    6.90 |    4.20 |    1.50 |
     540 |   10.90 |    6.80 |    4.10 |    1.50 |
     560 |   10.80 |    6.80 |    4.10 |    1.50 |
     580 |   10.60 |    6.60 |    3.90 |    1.40 |
     600 |   10.70 |    6.70 |    4.00 |    1.50 |
     620 |   10.80 |    6.70 |    4.00 |    1.60 |
     640 |   10.90 |    6.80 |    4.10 |    1.70 |
     660 |   10.70 |    6.70 |    4.10 |    1.80 |
     680 |   10.70 |    6.80 |    4.10 |    1.70 |
     700 |   10.60 |    6.60 |    4.00 |    1.40 |
     720 |   10.70 |    6.80 |    4.10 |    1.70 |
     740 |   10.70 |    6.70 |    4.00 |    1.60 |
     760 |   10.80 |    6.90 |    4.40 |    2.30 |       ABOVE FLUID LEVEL
     780 |   10.60 |    6.70 |    4.00 |    1.40 |
     800 |   10.60 |    6.60 |    3.90 |    1.40 |
     820 |   10.80 |    6.70 |    4.00 |    1.50 |
     840 |   10.70 |    6.80 |    4.00 |    1.50 |
     860 |   11.30 |    7.20 |    4.40 |    1.60 |
     880 |   11.00 |    7.10 |    4.40 |    1.90 |       NEAR FLUID LEVEL
     900 |   10.80 |    6.80 |    4.00 |    1.50 |
    1000 |   10.60 |    6.60 |    3.90 |    1.50 |
    1250 |   10.60 |    6.60 |    3.90 |    1.50 |
    1500 |   10.90 |    6.70 |    3.90 |    1.50 |
    1750 |   10.90 |    6.60 |    3.90 |    1.50 |
    2000 |   10.80 |    6.60 |    3.90 |    1.50 |
    2250 |   11.10 |    6.70 |    3.90 |    1.50 |
    2500 |   11.20 |    6.70 |    3.90 |    1.50 |
    2750 |   11.50 |    6.60 |    3.90 |    1.50 |
    3000 |   11.40 |    6.70 |    3.90 |    1.50 |
    3250 |   10.60 |    7.00 |    3.90 |    1.50 |
    3500 |   10.40 |    6.90 |    4.00 |    1.50 |
    3750 |   10.50 |    7.00 |    4.00 |    1.50 |
    4000 |   10.40 |    6.80 |    3.90 |    1.50 |
    4250 |   10.40 |    7.20 |    4.40 |    1.60 |
    4500 |   10.30 |    6.90 |    4.20 |    1.50 |
    4750 |   10.20 |    6.90 |    4.20 |    1.50 |
    5000 |   10.50 |    7.20 |    4.40 |    1.60 |
    5250 |   10.60 |    7.30 |    4.50 |    1.60 |
    5500 |   10.50 |    7.20 |    4.60 |    1.60 |
    5750 |   10.70 |    7.30 |    4.60 |    1.70 |
    6000 |   10.60 |    7.30 |    4.60 |    1.70 |
    6250 |   10.10 |    7.10 |    4.20 |    1.50 |
    6500 |   10.10 |    6.90 |    4.10 |    1.50 |
    6780 |   10.10 |    6.80 |    3.90 |    1.60 |
    7000 |    9.80 |    6.80 |    3.90 |    1.60 |
    7250 |    9.90 |    6.80 |    3.90 |    1.50 |
    7300 |   10.00 |    6.90 |    4.10 |    1.60 |
    7310 |   10.00 |    6.90 |    3.90 |    1.60 |
    7320 |    9.90 |    6.80 |    3.90 |    1.60 |
    7330 |    9.60 |    6.80 |    4.00 |    1.80 |
    7340 |    9.70 |    6.90 |    4.00 |    1.80 |
    7350 |    9.90 |    6.80 |    3.90 |    1.70 |
    7360 |    9.20 |    6.80 |    3.90 |    1.70 |
    7370 |    9.20 |    6.80 |    3.90 |    1.60 |
    7380 |    9.20 |    6.70 |    3.60 |    1.60 |
    7390 |    9.40 |    6.90 |    4.10 |    1.70 |
    7400 |    9.40 |    7.00 |    4.20 |    2.00 |
    7410 |    9.30 |    6.90 |    4.10 |    1.80 |
    7420 |    9.20 |    6.80 |    3.80 |    1.60 |
    7430 |    9.70 |    7.30 |    4.30 |    1.80 |
    7440 |    9.90 |    7.40 |    4.30 |    1.80 |
    7450 |    9.50 |    7.10 |    4.20 |    1.80 |
    7460 |    9.50 |    7.00 |    3.90 |    1.60 |
    7470 |    9.40 |    6.90 |    3.90 |    1.60 |
    7480 |    9.70 |    7.20 |    4.10 |    1.70 |
    7490 |    9.30 |    7.00 |    3.80 |    1.50 |
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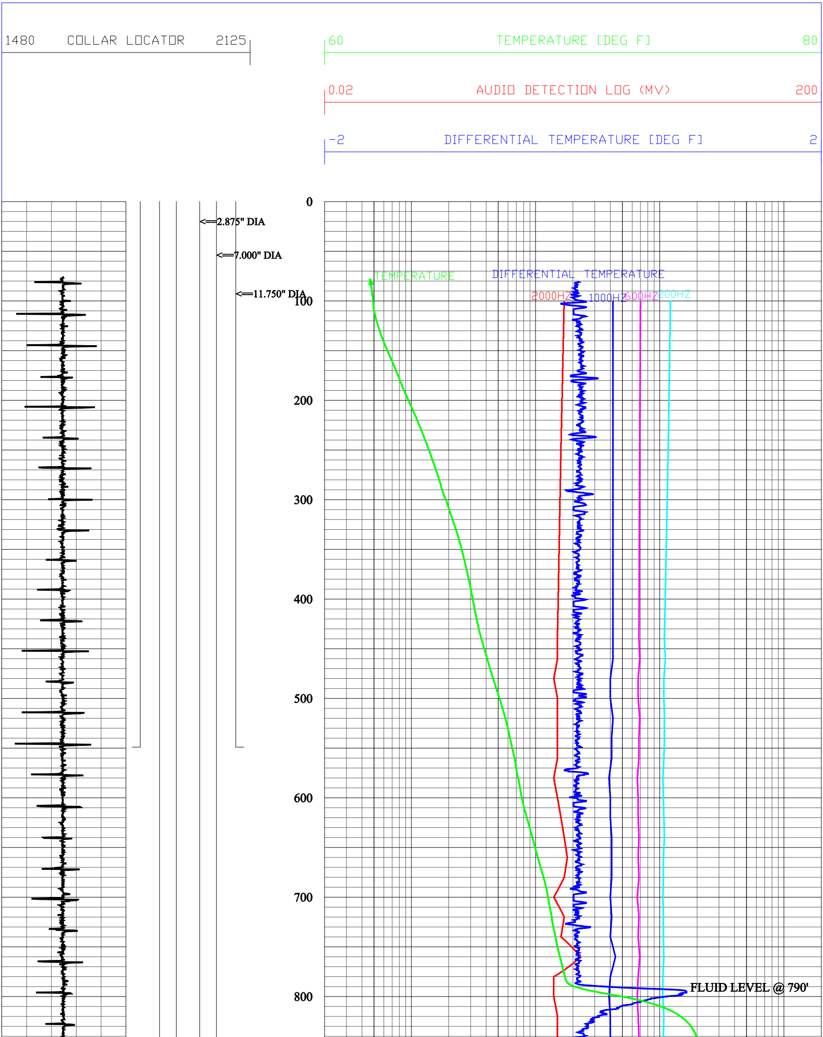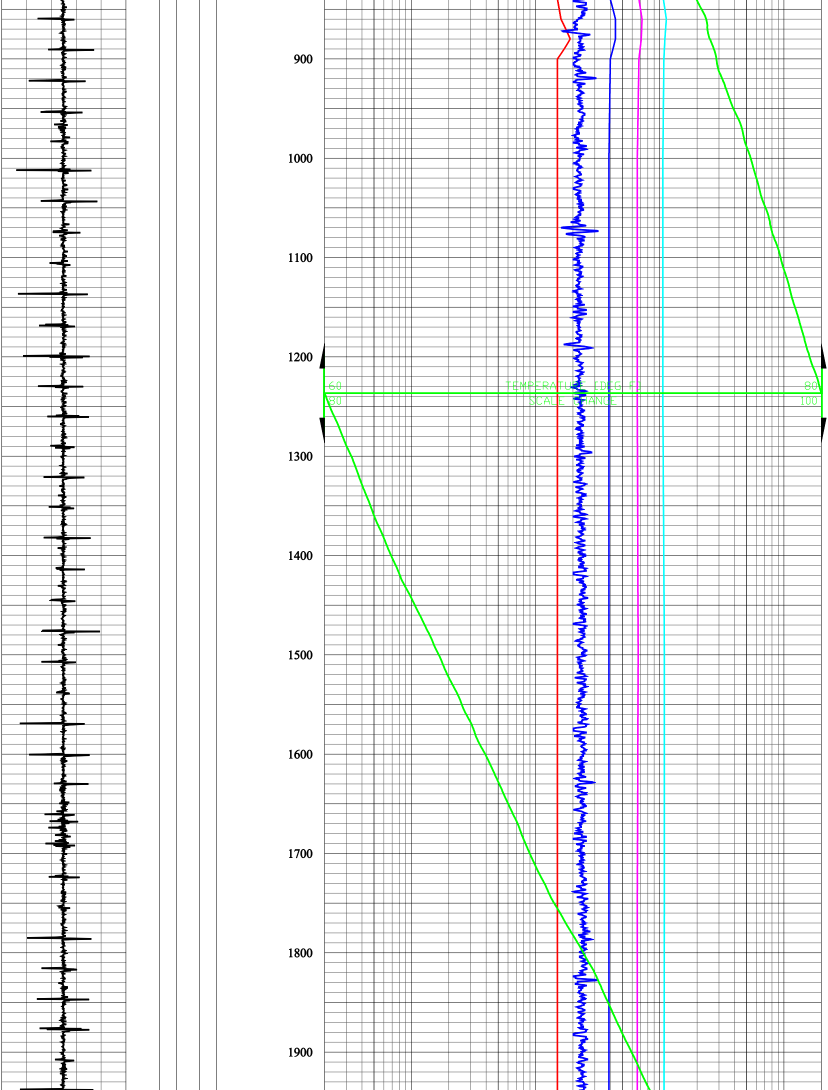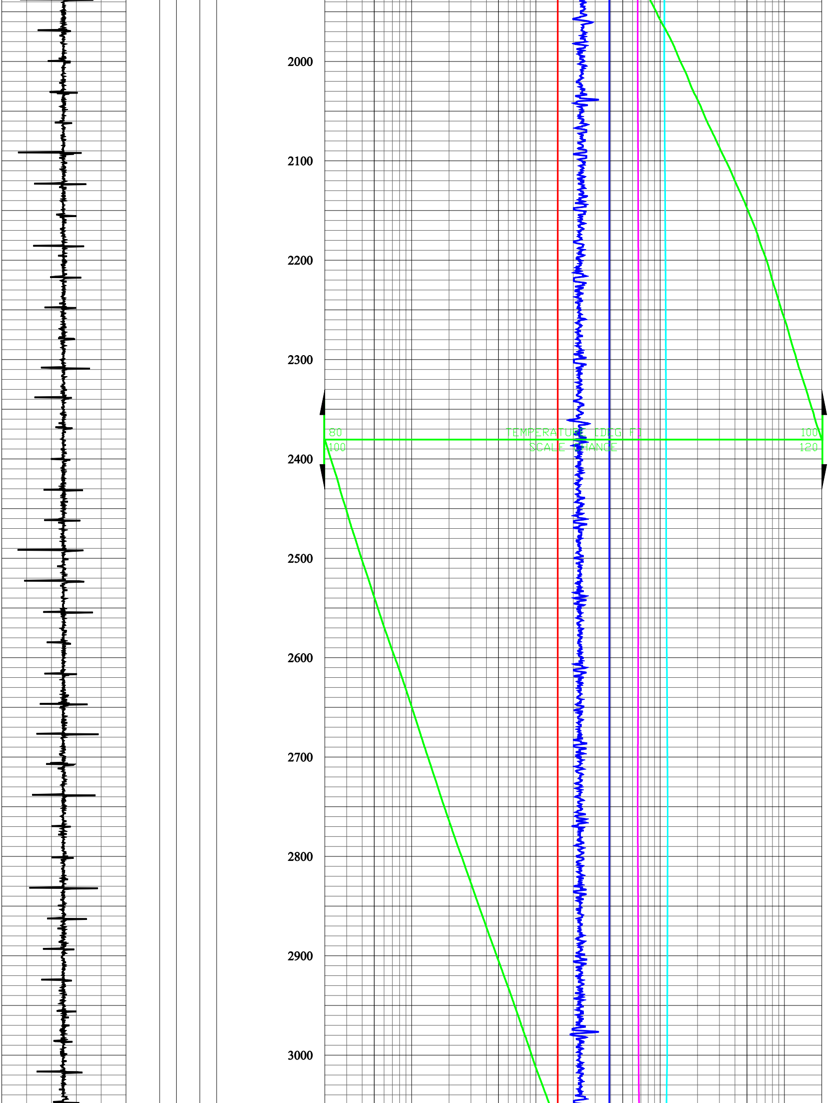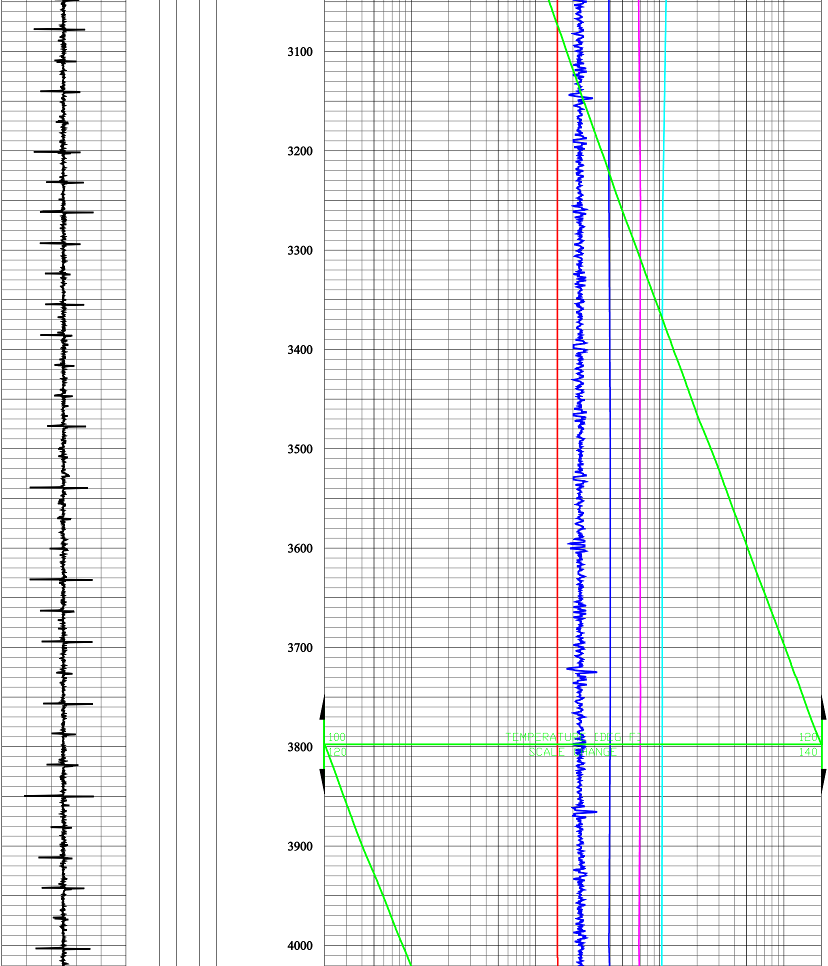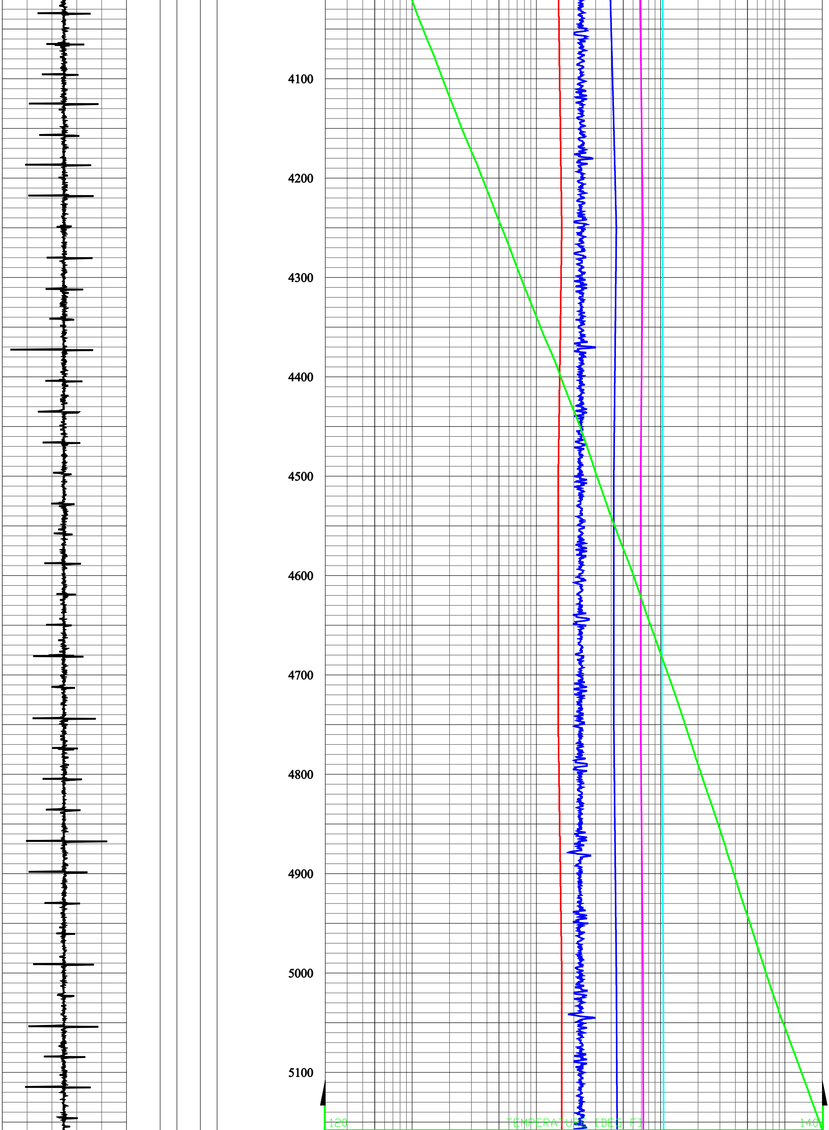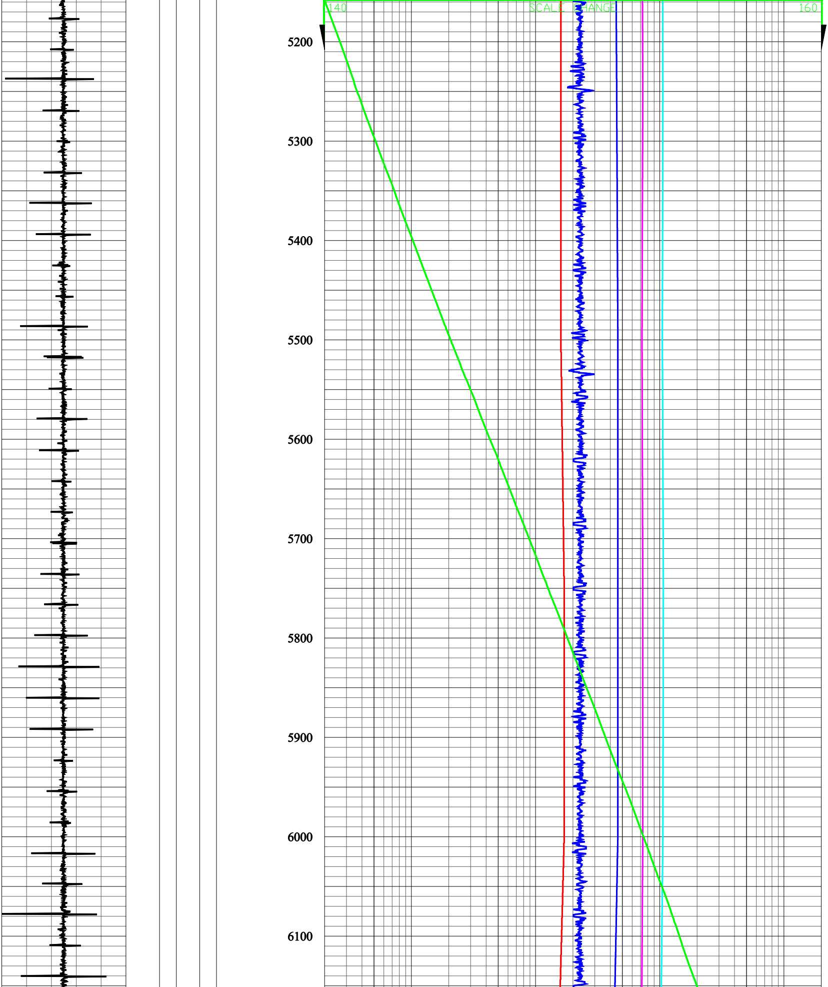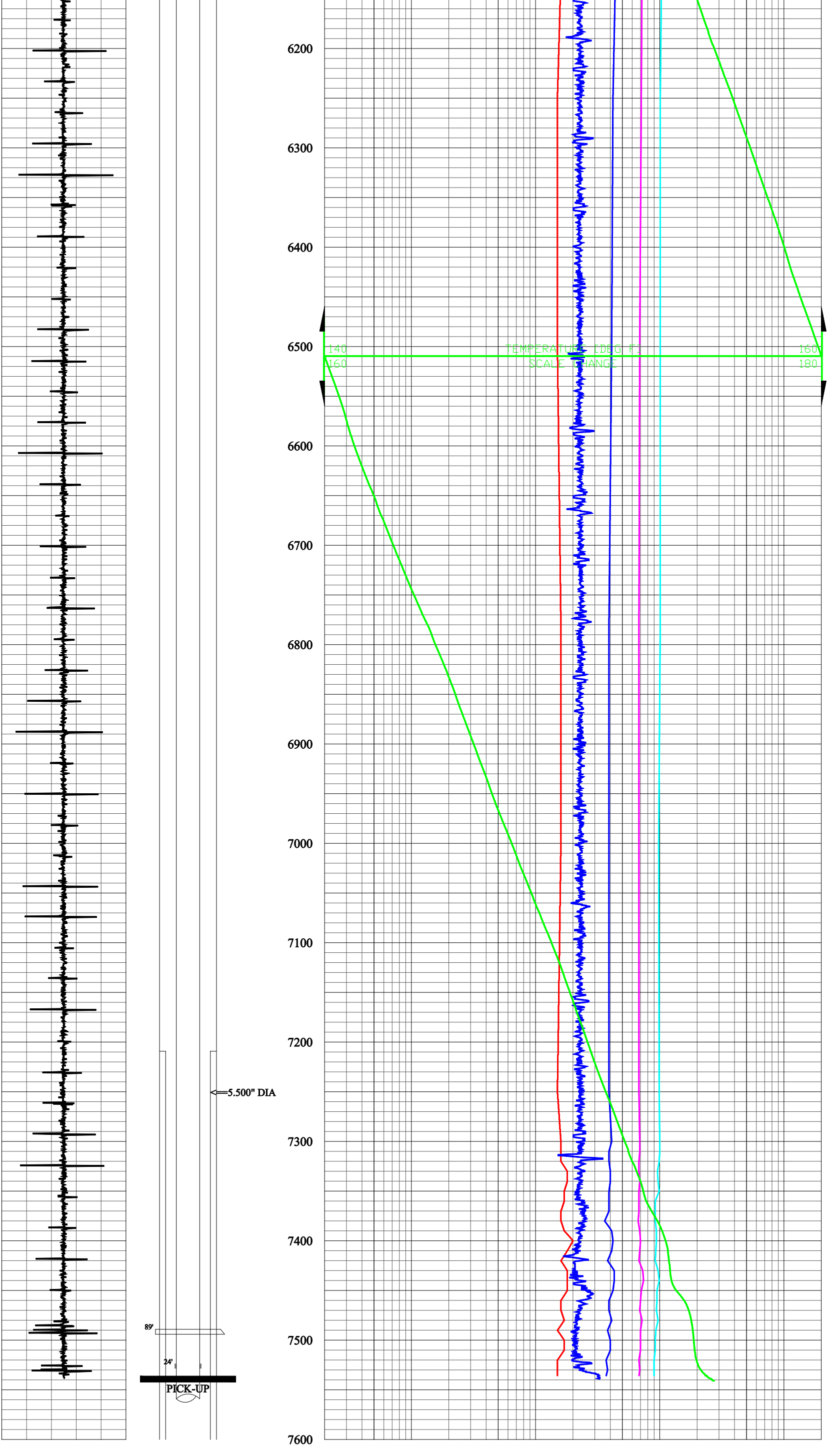7500	9.20	7.00	4.00	1.70
7510	9.20	7.00	4.00	1.70
7520	9.00	6.80	3.70	1.50
7530	9.00	6.90	3.80	1.50
7536	9.00	6.80	3.70	1.50