WELL ANALYSIS CORPORATION

AUDIO DETECTION SURVEY

WELL TYPE
GS

CB

COMPANY: SOUTHERN CALIF. GAS CO.
WELL: PORTER 44
FIELD: ALISO CANYON
COUNTY: LOS ANGELES
STATE: CALIFORNIA

LOCATION:
DISTRICT 2

API NUMBER: 0403700731
SEC: 28 TWN: 03N RNG: 16W

OTHER SVC:

PERMANENT DATUM: GROUND LEVEL ELEV:

LOG MEASURED FROM KB 18' ABOVE PERM DATUM

DRILLING MEASURED FROM

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

DATE LOG RAN	03-30-2016	PRESSURE	FLOWING	INJECTION	SHUT-IN
RUN NUMBER	ONE	TUBING PSI			0
EFFECTIVE DEPTH	8042'	CASING PSI			0
PICKUP DEPTH	7587'	INJECTION RATE	N|A		
BOT LOGGED INT	7587'	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	168.6 F.	OIL Gr.	OIL =		
AT DEPTH	7587.0'	GAS Gr.	GAS=		
TEMPERATURE SENS	1 F/DIV.	MPP	BHP =		
LOGGING SPEED	100 FPM		WATER=		
RECORDED BY	C. BARAJAS				
WITNESSED BY	N|A				
EMAIL TO	A. KARGAR				
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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SAND TAG MARKERS: 7814' TOP MP
                  7916' TOP S8
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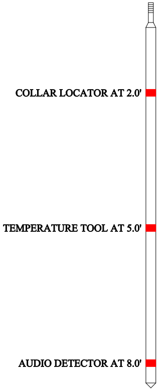
CASING AND TUBING RECORD

SIZE	WT(#)	FROM	TO	SIZE	WT(#)	FROM	TO
11.375"	42.0	SURFACE	530'				
7.000"	26.0	SURFACE	7805'				
5.000"	15.5	7639'	8042'				
2.875"	6.5	SURFACE	7613.3'				

STR.	PIPE DIA.	PERFORATIONS
A	5.000"	SLOTTED: 7802'-8042'.
		PACKERS: 7605.9'-7613.3'.
		SLIDING SLEEVES: 7561.5'.
		NO-GO: 7594.7'.
		CASING PATCHES: 4032', 7620'.

TOOL DIAGRAM



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     Audio Data:  C:\data\NOISE.txt
--------------------------------------------------
   DEPTH |   200HZ |   600HZ |  1000HZ |  2000HZ |
--------------------------------------------------
     100 |    3.60 |    3.20 |    1.70 |    0.90 |
     250 |    3.60 |    3.20 |    1.80 |    0.90 |
     400 |    3.50 |    3.20 |    1.70 |    0.90 |
     420 |    3.60 |    3.10 |    1.70 |    0.90 |
     440 |    3.60 |    3.20 |    1.80 |    0.90 |
     460 |    3.60 |    3.20 |    1.80 |    0.90 |
     480 |    3.50 |    3.10 |    1.70 |    0.90 |
     500 |    3.50 |    3.20 |    1.70 |    0.90 |
     520 |    3.50 |    3.20 |    1.80 |    0.90 |
     540 |    3.50 |    3.10 |    1.70 |    0.90 |
     560 |    3.50 |    3.20 |    1.70 |    0.90 |
     580 |    3.50 |    3.10 |    1.70 |    0.90 |
     750 |    3.50 |    3.20 |    1.70 |    0.90 |
    1000 |    3.50 |    3.20 |    1.70 |    0.90 |
    1220 |    3.50 |    3.10 |    1.70 |    0.90 |
    1240 |    3.50 |    3.10 |    1.70 |    0.90 |
    1260 |    3.50 |    3.20 |    1.80 |    0.90 |
    1280 |    3.50 |    3.20 |    1.70 |    0.90 |
    1300 |    3.50 |    3.20 |    1.80 |    0.90 |
    1320 |    3.50 |    3.10 |    1.70 |    0.90 |
    1340 |    3.50 |    3.10 |    1.70 |    0.90 |
    1360 |    3.50 |    3.20 |    1.70 |    0.90 |
    1380 |    3.50 |    3.10 |    1.70 |    0.90 |
    1450 |    3.50 |    3.10 |    1.80 |    0.90 |
    1700 |    3.50 |    3.20 |    1.80 |    0.90 |
    1950 |    3.50 |    3.20 |    1.70 |    0.90 |
    2200 |    3.50 |    3.10 |    1.70 |    0.90 |
    2450 |    3.50 |    3.20 |    1.80 |    0.90 |
    2700 |    3.50 |    3.20 |    1.80 |    0.90 |
    2950 |    3.40 |    3.10 |    1.70 |    0.90 |
    3200 |    3.40 |    3.10 |    1.70 |    0.90 |
    3220 |    3.50 |    3.20 |    1.80 |    0.90 |
    3240 |    3.50 |    3.10 |    1.80 |    0.90 |
    3260 |    3.50 |    3.10 |    1.80 |    0.90 |
    3280 |    3.40 |    3.10 |    1.70 |    0.90 |
    3300 |    3.40 |    3.10 |    1.70 |    0.90 |
    3320 |    3.40 |    3.10 |    1.80 |    0.90 |
    3340 |    3.50 |    3.10 |    1.80 |    0.90 |
    3360 |    3.40 |    3.10 |    1.70 |    0.90 |
    3380 |    3.40 |    3.10 |    1.70 |    0.90 |
    3400 |    3.40 |    3.10 |    1.70 |    0.90 |
    3420 |    3.40 |    3.10 |    1.70 |    0.90 |
    3440 |    3.40 |    3.10 |    1.70 |    0.90 |
    3460 |    3.40 |    3.10 |    1.80 |    0.90 |
    3480 |    3.40 |    3.10 |    1.80 |    0.90 |
    3500 |    3.40 |    3.10 |    1.80 |    0.90 |
    3520 |    3.40 |    3.10 |    1.80 |    0.90 |
    3540 |    3.40 |    3.10 |    1.80 |    0.90 |
    3560 |    3.40 |    3.10 |    1.70 |    0.90 |
    3580 |    3.40 |    3.10 |    1.80 |    0.90 |
    3600 |    3.40 |    3.10 |    1.80 |    0.90 |
    3620 |    3.40 |    3.10 |    1.70 |    0.90 |
    3640 |    3.40 |    3.10 |    1.70 |    0.90 |
    3660 |    3.40 |    3.10 |    1.70 |    0.90 |
    3680 |    3.40 |    3.10 |    1.70 |    0.90 |
    3700 |    3.40 |    3.10 |    1.70 |    0.90 |
    3720 |    3.40 |    3.10 |    1.70 |    0.90 |
    3740 |    3.40 |    3.10 |    1.70 |    0.90 |
    3760 |    3.40 |    3.10 |    1.70 |    0.90 |
    3780 |    3.40 |    3.10 |    1.70 |    0.90 |
    3800 |    3.40 |    3.10 |    1.70 |    0.90 |
    3820 |    3.40 |    3.10 |    1.70 |    0.90 |
    3840 |    3.40 |    3.10 |    1.70 |    0.90 |
    3860 |    3.40 |    3.10 |    1.70 |    0.90 |
    3880 |    3.40 |    3.10 |    1.70 |    0.90 |
    3900 |    3.40 |    3.10 |    1.70 |    0.90 |
    3920 |    3.40 |    3.10 |    1.70 |    0.90 |
    3940 |    3.40 |    3.10 |    1.70 |    0.90 |
    3960 |    3.40 |    3.10 |    1.70 |    0.90 |
    3980 |    3.40 |    3.10 |    1.70 |    0.90 |
    4000 |    3.40 |    3.00 |    1.70 |    0.90 |
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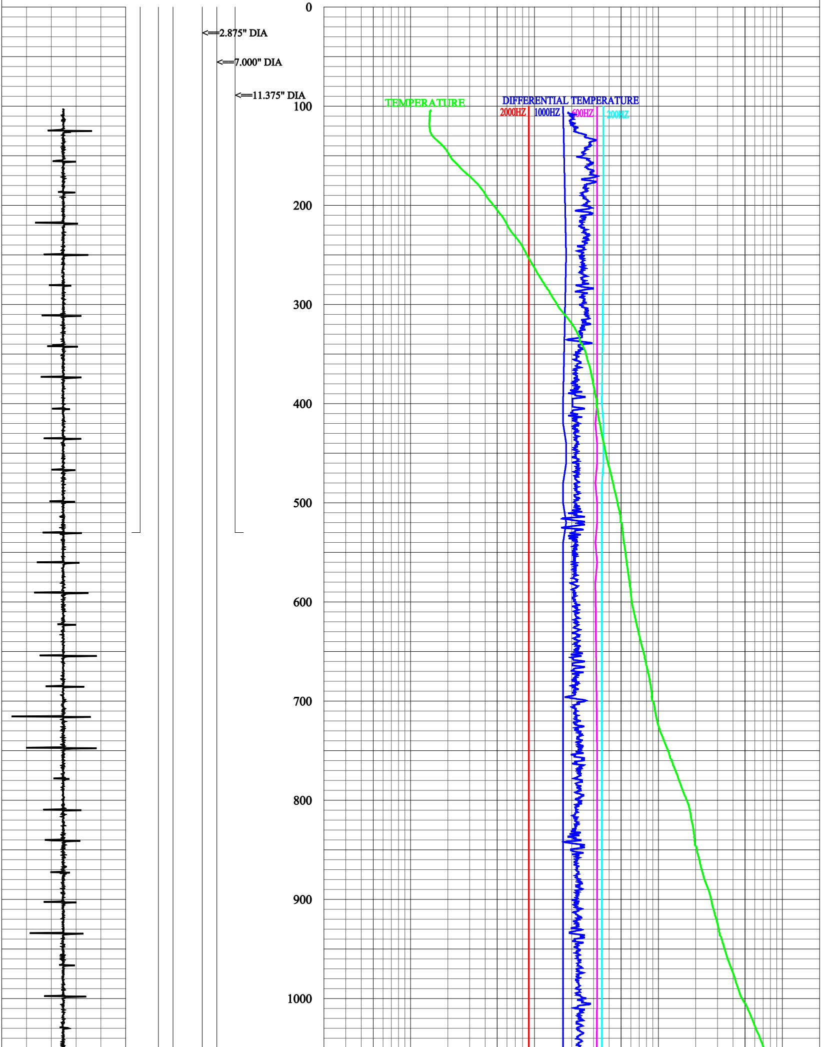
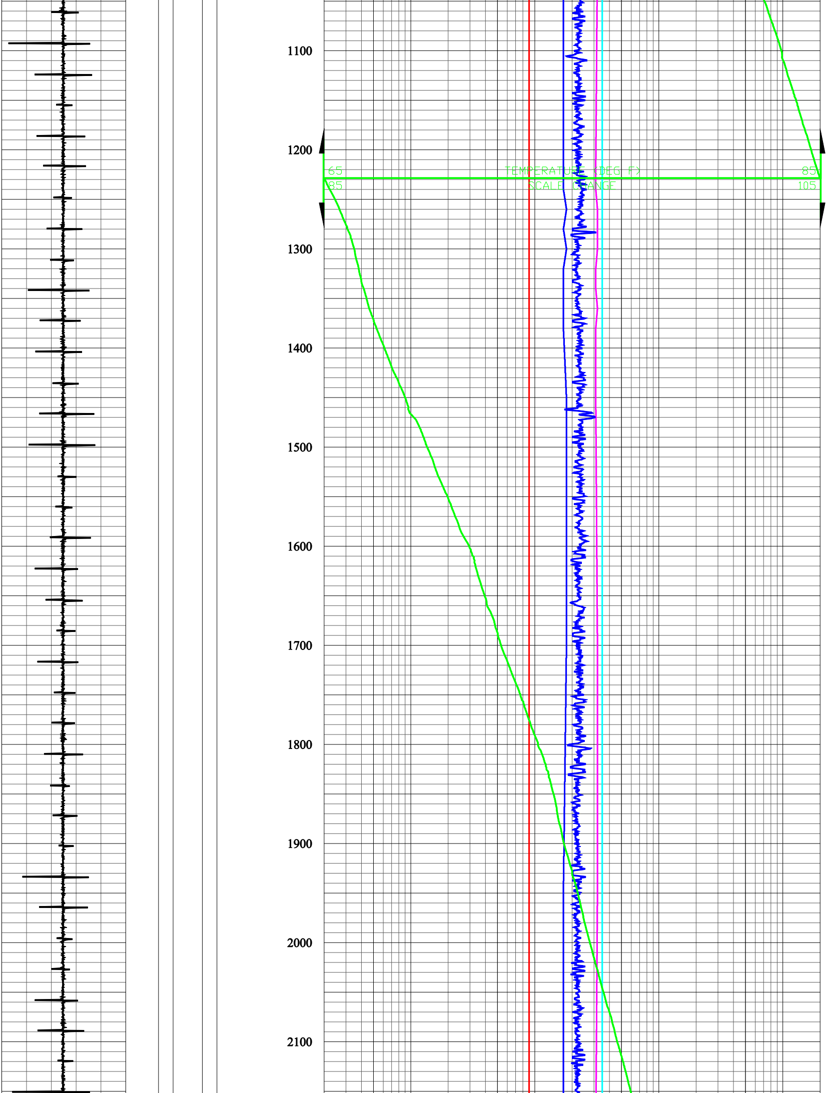
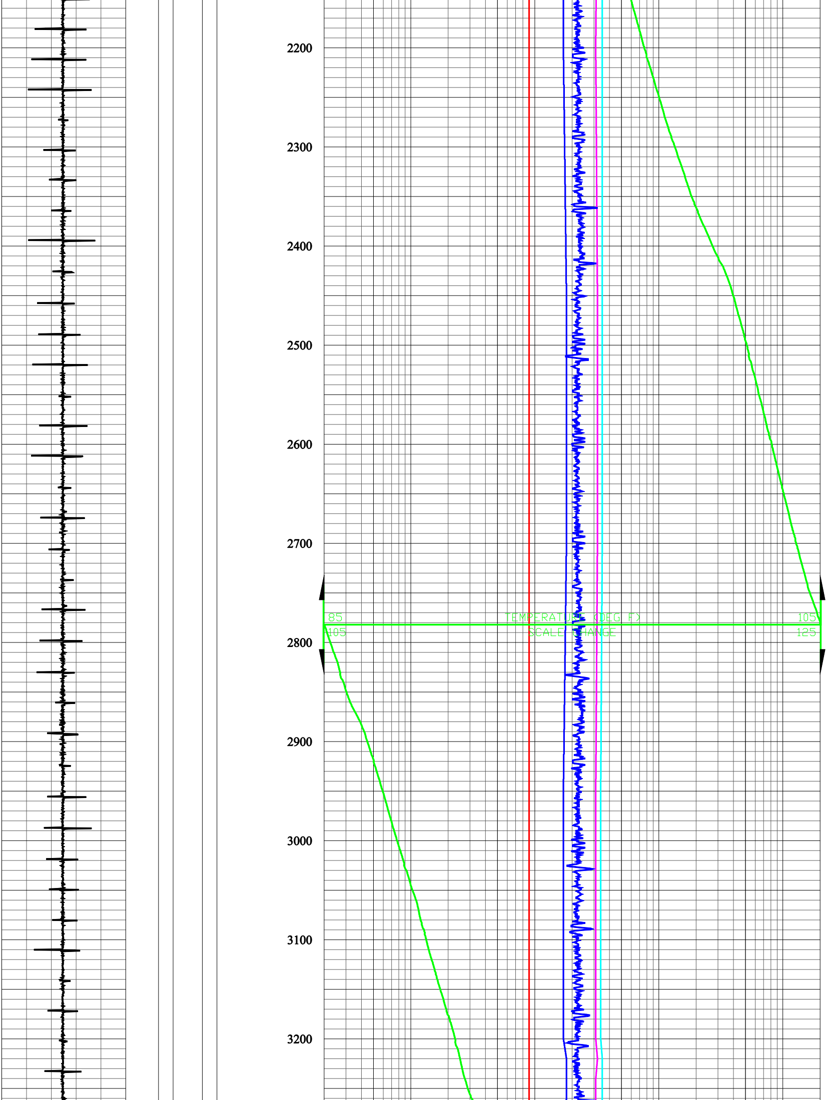
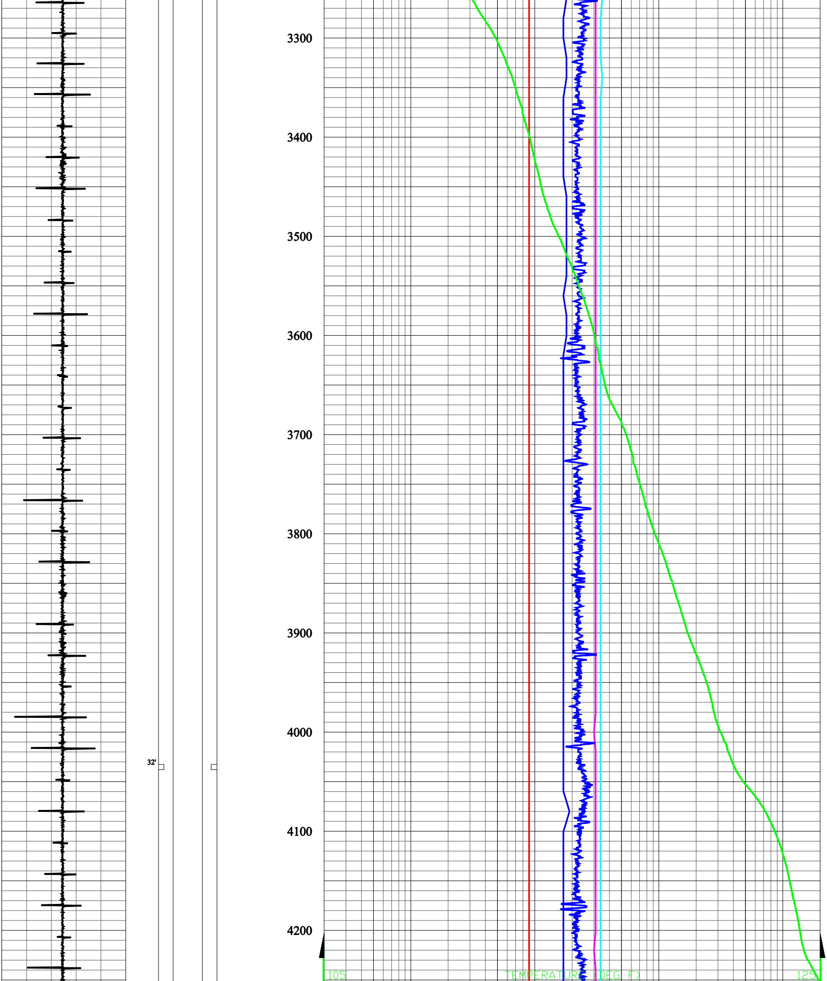
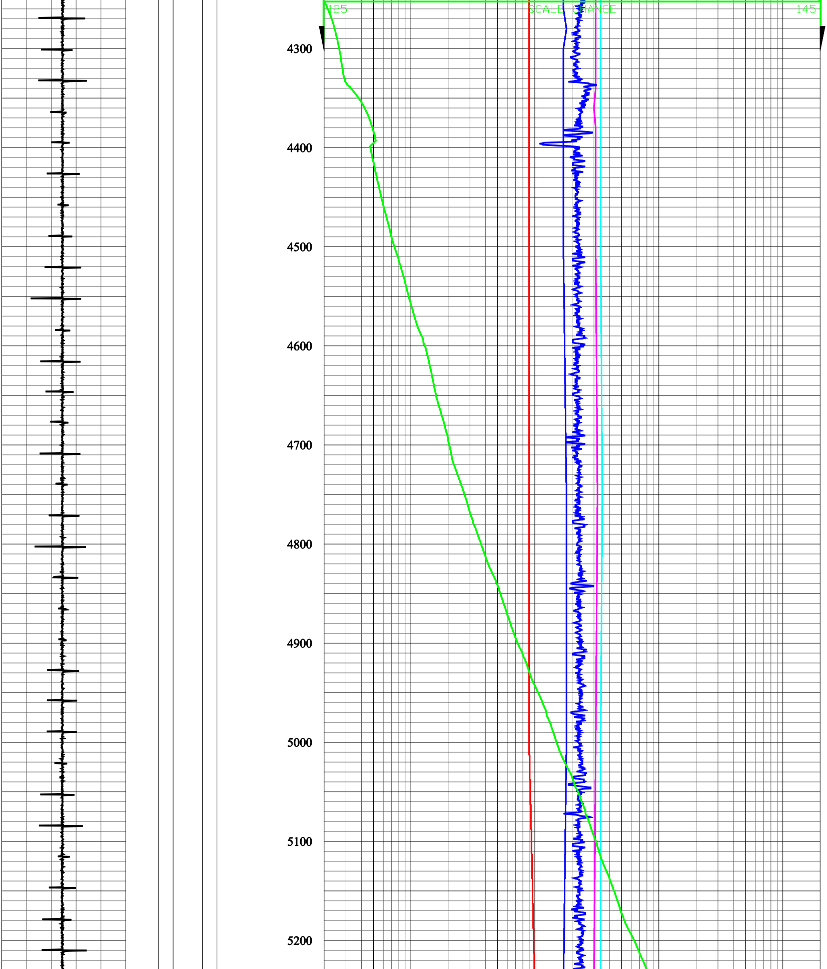
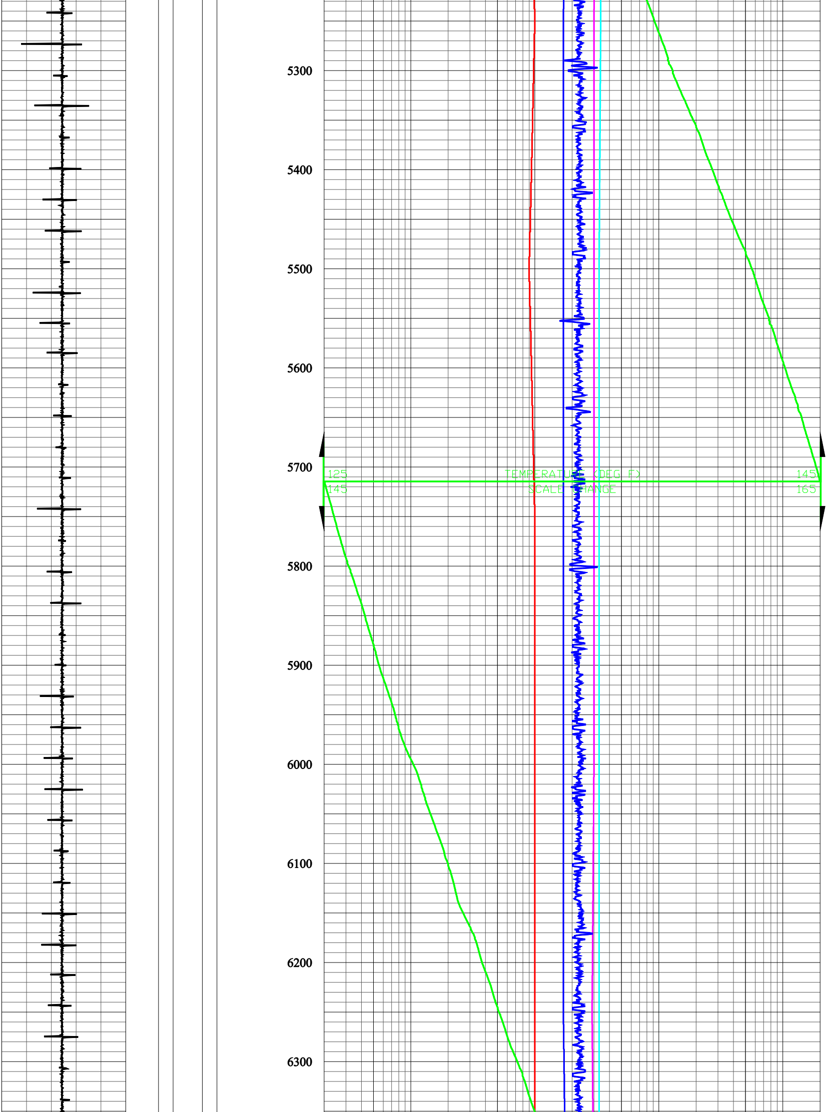
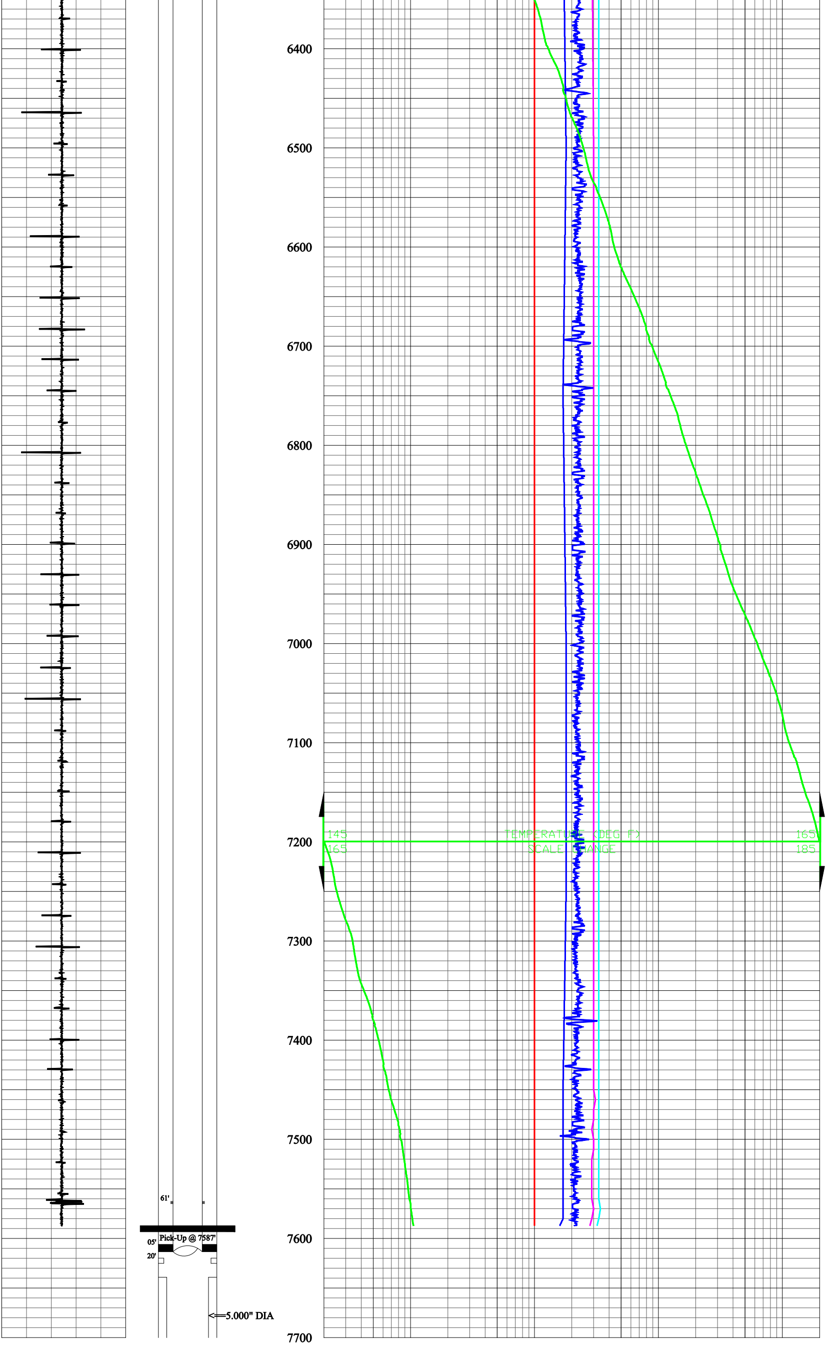
4020	3.40	3.10	1.70	0.90
4040	3.40	3.10	1.70	0.90
4060	3.40	3.10	1.70	0.90
4080	3.40	3.10	1.90	0.90
4100	3.40	3.10	1.70	0.90
4120	3.40	3.10	1.70	0.90
4140	3.40	3.10	1.70	0.90
4160	3.40	3.10	1.70	0.90
4180	3.40	3.10	1.70	0.90
4200	3.40	3.10	1.70	0.90
4220	3.40	3.00	1.70	0.90
4240	3.40	3.10	1.70	0.90
4260	3.40	3.10	1.70	0.90
4280	3.40	3.10	1.80	0.90
4300	3.40	3.10	1.70	0.90
4320	3.40	3.10	1.70	0.90
4340	3.40	3.10	1.70	0.90
4360	3.40	3.00	1.70	0.90
4380	3.40	3.10	1.70	0.90
4400	3.40	3.10	1.70	0.90
4420	3.40	3.10	1.70	0.90
4440	3.40	3.10	1.70	0.90
4500	3.40	3.10	1.70	0.90
4750	3.50	3.20	1.80	0.90
5000	3.40	3.10	1.80	0.90
5250	3.40	3.00	1.70	1.00
5500	3.30	3.00	1.70	0.90
5750	3.30	3.00	1.70	1.00
6000	3.30	3.00	1.70	1.00
6250	3.30	2.90	1.70	1.00
6500	3.30	3.00	1.80	1.00
6750	3.30	3.00	1.70	1.00
7000	3.30	3.00	1.80	1.00
7250	3.30	3.00	1.80	1.00
7450	3.30	3.00	1.70	1.00
7460	3.30	3.10	1.70	1.00
7470	3.30	3.00	1.70	1.00
7480	3.30	3.00	1.70	1.00
7490	3.30	2.90	1.70	1.00
7500	3.30	3.00	1.70	1.00
7510	3.30	3.00	1.70	1.00
7520	3.30	2.90	1.70	1.00
7530	3.30	2.90	1.70	1.00
7540	3.30	2.90	1.70	1.00
7550	3.30	2.90	1.70	1.00
7560	3.30	2.90	1.70	1.00
7570	3.40	3.00	1.70	1.00
7580	3.30	2.90	1.70	1.00
7587	3.20	2.80	1.60	1.00

1575 COLLAR LOCATOR (MV) 2075

65 TEMPERATURE (DEG F) 85

0.02 AUDIO DETECTION LOG (MV) 200

-2 DIFFERENTIAL TEMPERATURE (DEG F) 2