WELL ANALYSIS CORPORATION

AUDIO DETECTION SURVEY

COMPANY: SOUTHERN CALIF. GAS CO.
WELL: PORTER 32F
FIELD: ALISO CANYON
COUNTY: LOS ANGELES STATE: CALIFORNIA

LOCATION:
DISTRICT 2
OTHER SVC:

API NUMBER: 0403721354
SEC: 27 TWN: 3N RNG: 16W

-ELEVATIONS-
KB: 2092 Ft.
DF: Ft.
GL: 2075 Ft.

WELL TYPE
GS, OG

VS

PERMANENT DATUM: GROUND LEVEL ELEV: 2075 FT.
LOG MEASURED FROM KB 17' ABOVE PERM DATUM
DRILLING MEASURED FROM

DATE LOG RAN	03-24-2016	PRESSURE	FLOWING	INJECTION	SHUT-IN
RUN NUMBER	ONE	TUBING PSI			1095
EFFECTIVE DEPTH	7430'	CASING PSI			1095
PICKUP DEPTH	7331'	INJECTION RATE		N/A	
BOT LOGGED INT	7331'	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	157.9 F.	OIL Gr.	N/A	OIL =	N/A
AT DEPTH	6992.0'	GAS Gr.	N/A	GAS=	N/A
TEMPERATURE SENS	1 F/DIV.	MPP	N/A	BHP =	N/A
LOGGING SPEED	VARIOUS			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

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SAND TAG MARKERS: 5333' TOP SS
                  6825' TOP MP
                  7098' TOP S1
                  7195' TOP S4
                  7271' TOP S8
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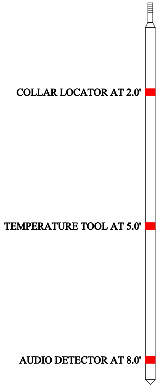
CASING AND TUBING RECORD

SIZE	WT(#)	FROM	TO	SIZE	WT(#)	FROM	TO
13.375"	48	SURFACE	799'				
8.625"	36	SURFACE	7190'				
6.625"	28	7009'	7402'				
2.875"	6.5	SURFACE	6990'				

STR.	PIPE DIA.	PERFORATIONS
A	8.625"	WSO: 7180', WSO: 7184', WSO: 7190'.
	6.625"	7015'-7402'.
		NO-GO: 6969'.
		PACKERS: 6980'.
		MANDRELS: 6889'.
		SLEEVES: 6929'.

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 |    4.00 |    3.10 |    1.70 |    0.90 |
      250 |    4.00 |    3.10 |    1.70 |    0.90 |
      500 |    4.30 |    3.20 |    1.80 |    0.90 |
      610 |    4.20 |    3.20 |    1.80 |    0.90 |
      630 |    4.40 |    3.20 |    1.70 |    0.90 |
      650 |    3.80 |    3.10 |    1.70 |    0.90 |
      670 |    4.90 |    3.20 |    1.80 |    0.90 |
      690 |    4.00 |    3.20 |    1.80 |    0.90 |
      710 |    4.90 |    3.10 |    1.70 |    0.90 |
      730 |    5.10 |    3.20 |    1.80 |    0.90 |
      750 |    4.80 |    3.50 |    2.20 |    0.90 |
      770 |    5.10 |    3.30 |    1.90 |    0.90 |
      790 |    4.20 |    3.20 |    1.80 |    0.90 |
      810 |    5.00 |    3.20 |    1.80 |    0.90 |
      830 |    5.40 |    3.20 |    1.80 |    0.90 |
      850 |    4.00 |    3.10 |    1.70 |    0.90 |
     1000 |    3.90 |    3.20 |    1.80 |    0.90 |
     1250 |    3.90 |    3.20 |    1.80 |    0.90 |
     1500 |    3.50 |    3.10 |    1.70 |    0.90 |
     1750 |    3.50 |    3.10 |    1.70 |    0.90 |
     2000 |    3.50 |    3.10 |    1.70 |    0.90 |
     2250 |    3.40 |    3.10 |    1.70 |    0.90 |
     2500 |    3.40 |    3.10 |    1.70 |    0.90 |
     2750 |    4.00 |    3.40 |    1.90 |    0.90 |
     3000 |    3.40 |    3.10 |    1.70 |    0.90 |
     3250 |    3.40 |    3.10 |    1.70 |    0.90 |
     3500 |    3.40 |    3.00 |    1.70 |    0.90 |
     3660 |    3.40 |    3.10 |    1.70 |    0.90 |
     3680 |    3.90 |    3.10 |    1.70 |    0.90 |
     3700 |    3.60 |    3.20 |    1.90 |    0.90 |
     3720 |    3.70 |    3.20 |    1.80 |    0.90 |
     3740 |    3.40 |    3.10 |    1.70 |    0.90 |
     3760 |    3.40 |    3.00 |    1.70 |    0.90 |
     3780 |    3.80 |    3.20 |    1.80 |    0.90 |
     3800 |    3.50 |    3.10 |    1.80 |    0.90 |
     3820 |    3.40 |    3.10 |    1.80 |    0.90 |
     3840 |    4.20 |    3.50 |    2.10 |    1.10 |
     3860 |    4.90 |    4.10 |    2.30 |    1.20 |
     3880 |    3.90 |    3.00 |    1.70 |    0.90 |
     3900 |    4.60 |    3.80 |    2.20 |    1.00 |
     3920 |    4.40 |    3.60 |    2.00 |    1.00 |
     3940 |    4.60 |    3.90 |    2.30 |    1.20 |
     3960 |    4.90 |    3.90 |    2.40 |    1.30 |
     3980 |    4.20 |    3.50 |    2.10 |    1.20 |
     4000 |    4.20 |    3.60 |    2.00 |    1.10 |
     4020 |    3.90 |    3.60 |    1.90 |    1.00 |
     4040 |    3.70 |    3.30 |    1.90 |    0.90 |
     4060 |    3.70 |    3.40 |    1.90 |    0.90 |
     4080 |    3.80 |    3.40 |    1.90 |    0.90 |
     4100 |    3.70 |    3.30 |    1.90 |    0.90 |
     4120 |    3.70 |    3.30 |    1.80 |    0.90 |
     4140 |    3.70 |    3.40 |    1.90 |    0.90 |
     4160 |    3.80 |    3.40 |    1.90 |    0.90 |
     4180 |    4.00 |    3.60 |    2.00 |    1.00 |
     4200 |    3.90 |    3.40 |    1.90 |    1.00 |
     4250 |    3.90 |    3.30 |    1.90 |    1.00 |
     4500 |    4.70 |    4.00 |    2.30 |    1.10 |
     4750 |    4.10 |    3.50 |    2.10 |    1.10 |
     5000 |    3.90 |    3.50 |    1.90 |    1.00 |
     5250 |    3.90 |    3.40 |    1.90 |    1.00 |
     5500 |    3.40 |    3.10 |    1.70 |    0.90 |
     5750 |    3.40 |    3.10 |    1.80 |    0.90 |
     6000 |    3.70 |    3.40 |    1.90 |    1.00 |
     6250 |    3.70 |    3.40 |    1.90 |    1.00 |
     6500 |    3.70 |    3.40 |    1.90 |    1.00 |
     6780 |    3.80 |    3.50 |    2.00 |    1.00 |
     6790 |    4.20 |    3.70 |    2.10 |    1.10 |
     6800 |    3.60 |    3.30 |    1.90 |    1.00 |
     6810 |    3.50 |    3.20 |    1.80 |    0.90 |
     6820 |    3.40 |    3.10 |    1.80 |    0.90 |
     6830 |    4.60 |    3.90 |    2.30 |    1.20 |
     6840 |    3.60 |    3.30 |    1.90 |    1.00 |
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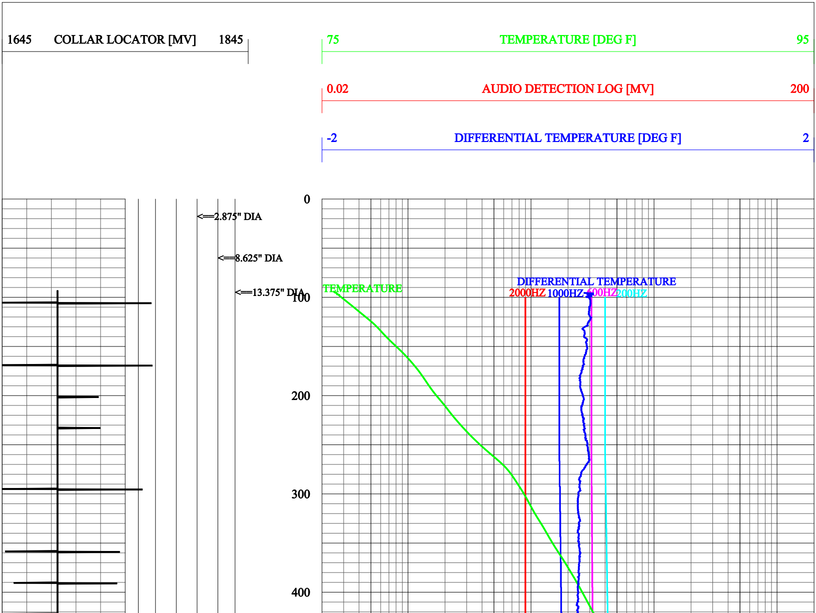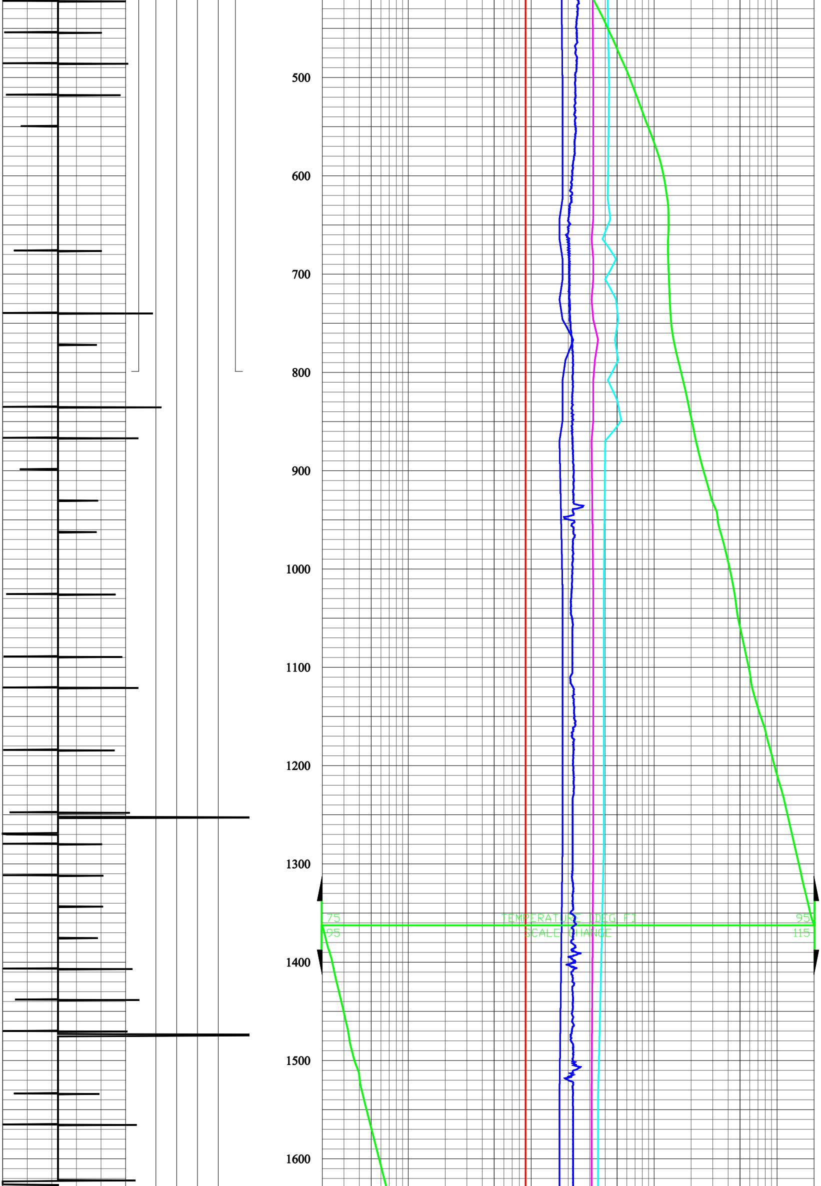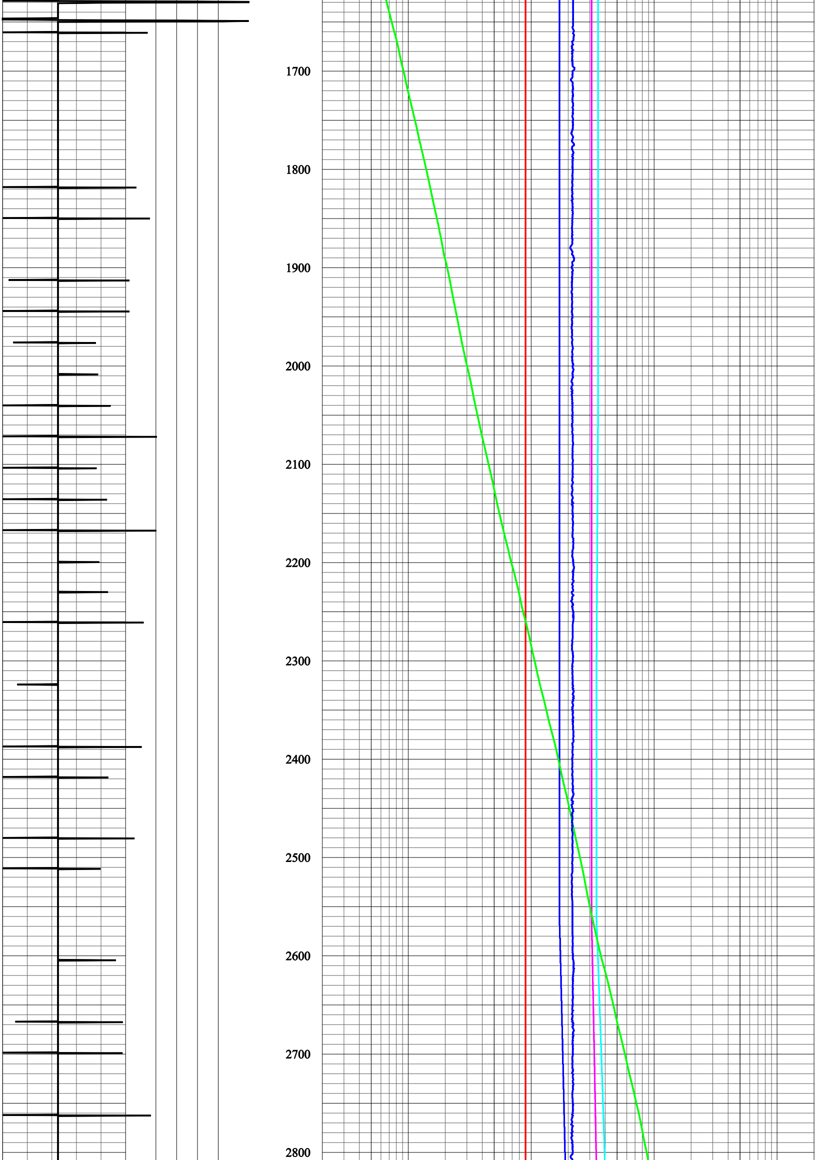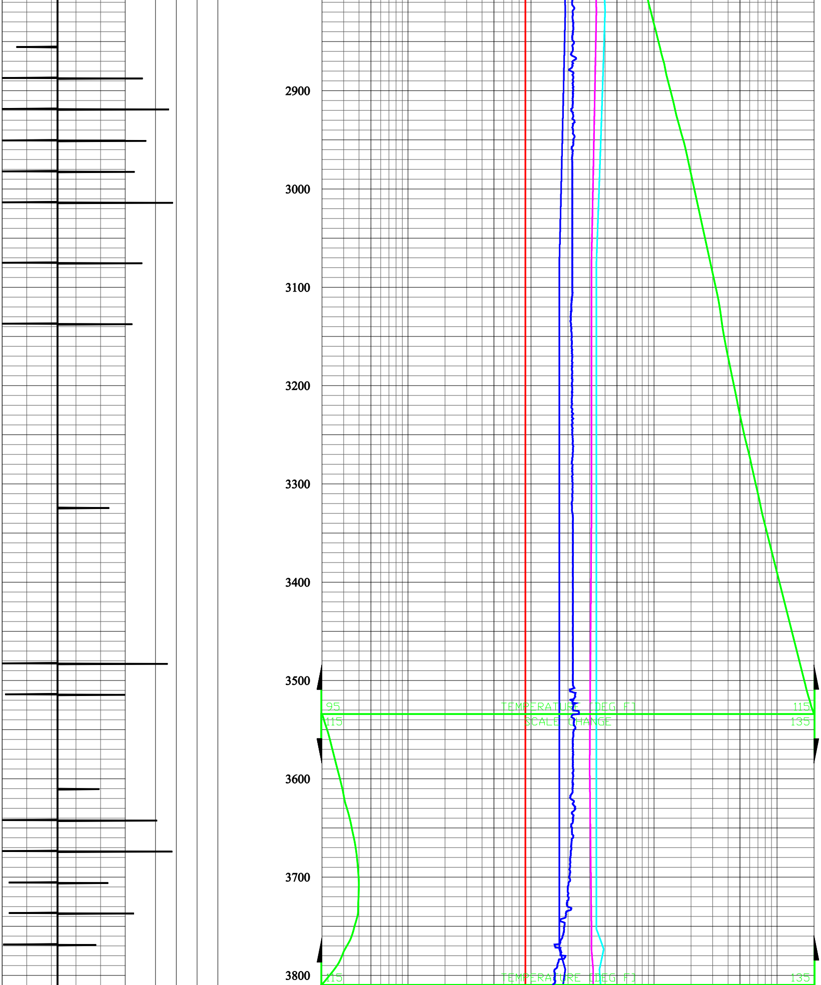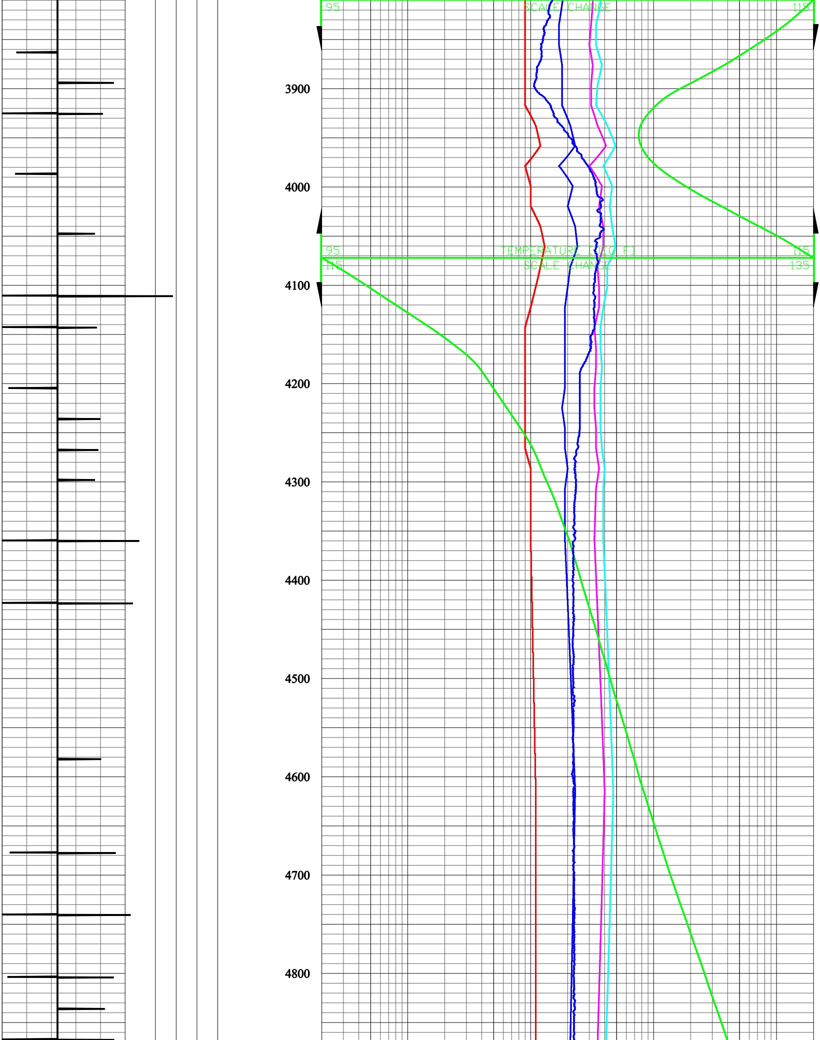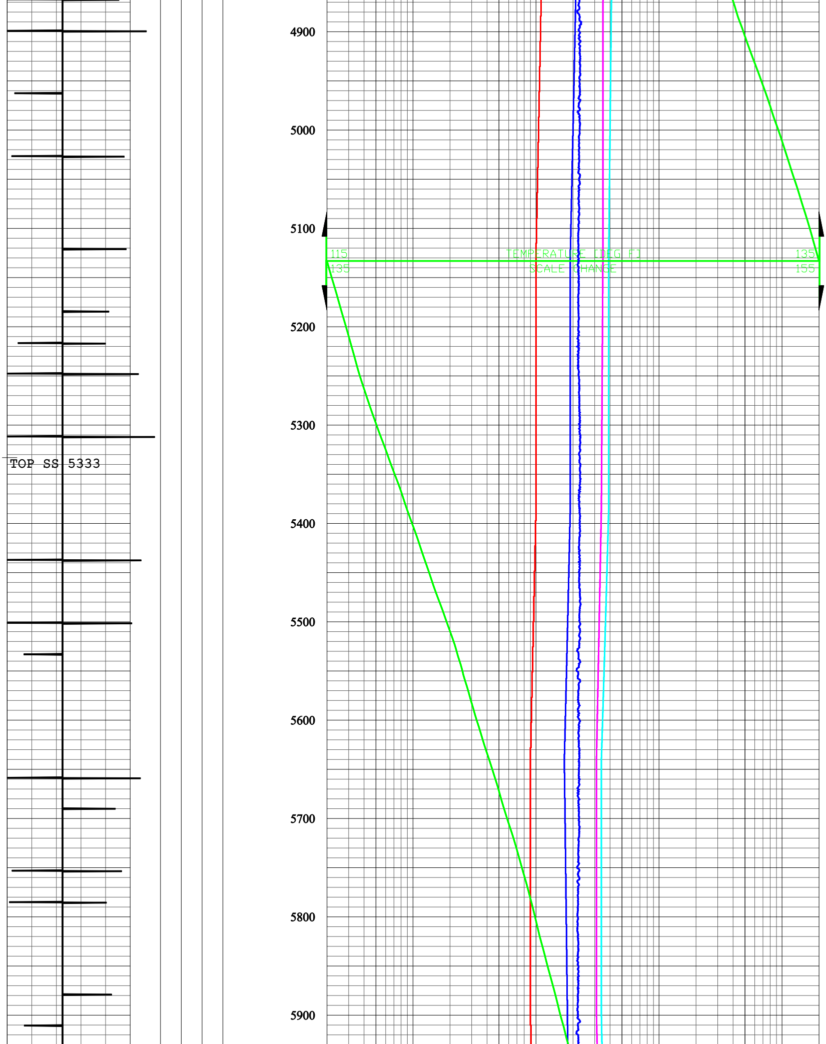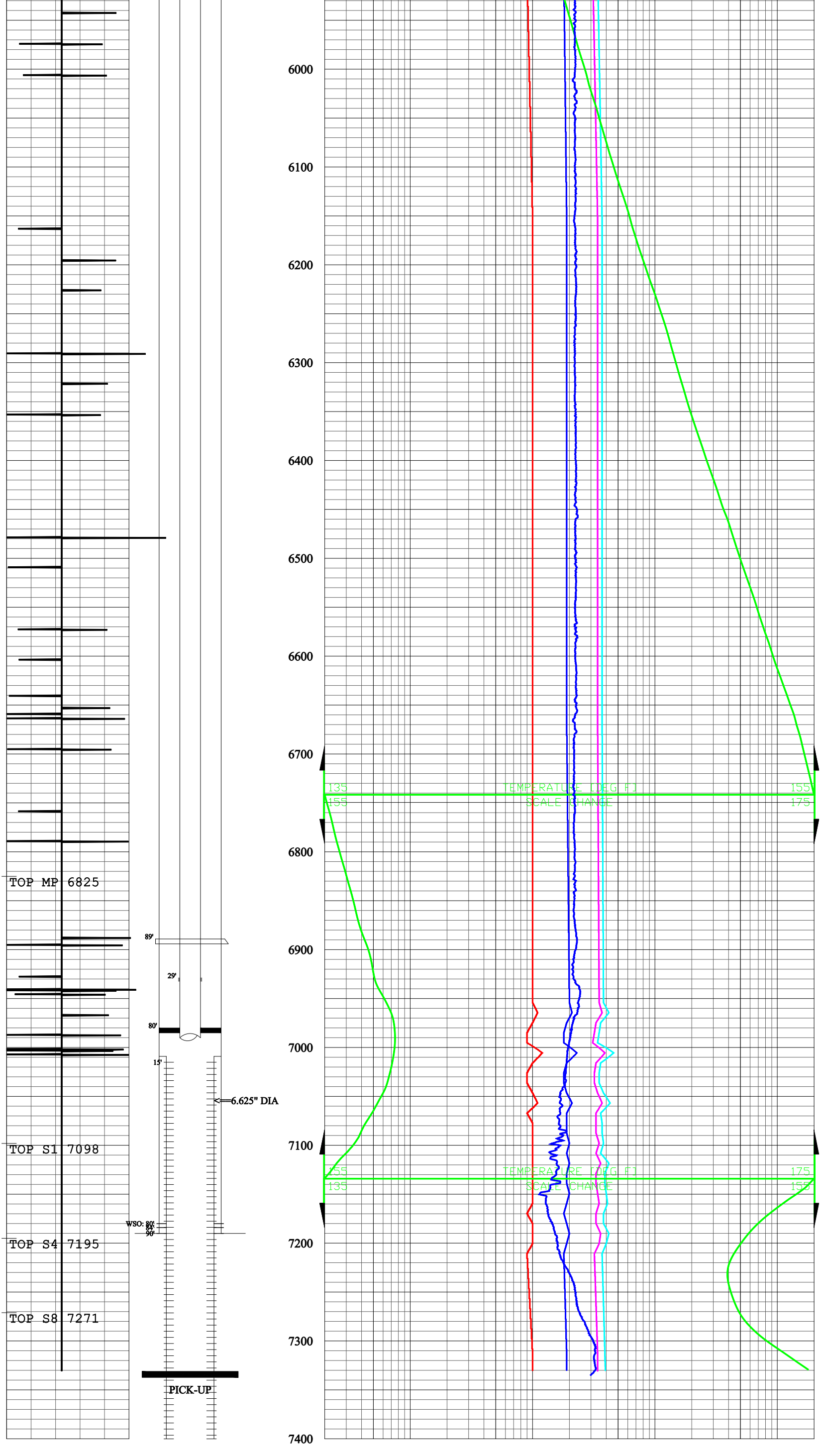6850	3.50	3.20	1.80	0.90
6860	3.50	3.20	1.80	0.90
6870	3.80	3.40	1.90	1.00
6880	4.30	3.70	2.10	1.10
6890	3.60	3.30	1.90	0.90
6900	3.70	3.30	1.90	1.00
6910	3.70	3.30	1.90	1.00
6920	3.80	3.50	2.00	1.00
6930	3.60	3.30	1.90	1.00
6940	4.20	3.60	2.00	1.00
6950	3.90	3.30	1.90	1.00
6960	3.90	3.30	1.90	1.00
6970	4.00	3.40	2.00	1.00
6980	4.10	3.50	1.90	1.00
6990	3.80	3.30	1.80	0.90
7000	3.80	3.30	1.90	1.00
7010	4.20	3.60	2.00	1.00
7020	4.00	3.50	1.90	1.00
7030	3.70	3.20	1.80	0.90
7130	3.90	3.40	1.90	1.00
7230	4.10	3.40	1.90	1.00
7331	4.10	3.20	2.00	1.10