WELL ANALYSIS CORPORATION

AUDIO DETECTION SURVEY

WELL TYPE GS BFW	COMPANY: SOUTHERN CALIF. GAS CO. WELL: PORTER 32D FIELD: ALISO CANYON COUNTY: LOS ANGELES STATE: CALIFORNIA

LOCATION:
DISTRICT 2

API NUMBER: 0403721355
SEC: 27 TWN: 3N RNG: 16W

OTHER SVC:

PERMANENT DATUM: GROUND LEVEL ELEV: 2075.00

LOG MEASURED FROM KB 17' ABOVE PERM DATUM

DRILLING MEASURED FROM

-ELEVATIONS-
KB: 2092.00 Ft.
DF: Ft.
GL: 2075.00 Ft.

DATE LOG RAN	03-28-2016	PRESSURE	FLOWING	INJECTION	SHUT-IN
RUN NUMBER	ONE	TUBING PSI			1105
EFFECTIVE DEPTH	7726' FISH	CASING PSI			1105

PICKUP DEPTH	N|A	INJECTION RATE	N|A
BOT LOGGED INT	7700'	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	164.7 F	OIL Gr.	N|A	OIL =	N|A
AT DEPTH	7185.0'	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	D.PROKUSKI				
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

12:00PM - ON LOCATION
12:15PM - RAN IN HOLE
12:20PM - BEGIN SURVEY
03:30PM - PULL OUT OF HOLE
03:45PM - OFF LOCATION

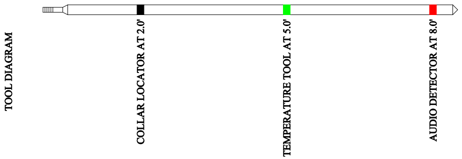
SAND TAG MARKERS: 7179' TOP MP
7410' TOP S1
7494' TOP S4
7593' TOP S8
7723' TOP HZ

CASING AND TUBING RECORD

SIZE	WT(#)	FROM	TO	SIZE	WT(#)	FROM	TO
13.375"	54.5	SURFACE	806'				
8.625"	36	SURFACE	7494'				
6.625"	24	7369'	7748'				
2.875"	6.5	SURFACE	7361'				

STR.	PIPE DIA.	PERFORATIONS
A	8.625"	WSO: 7483'.
A	6.625"	7503'-7621', 7645'-7747'.
		PACKERS: 7293.2'-7301.2'.
		GAS LIFT MANDRELS: 7188.5'-7194.8'.
		SLIDING SLEEVES: 7226.4'-7229.4'.
		NO-GO: 7260.4'.
		COLLARS: 3011'.

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 |   19.40 |   11.60 |   10.40 |    8.80 |  WATER
     250 |   19.40 |   11.60 |   10.40 |    8.80 |  WATER DRIPPING
     500 |   11.50 |    7.80 |    6.70 |    5.60 |
     700 |   11.60 |    8.10 |    7.00 |    5.50 | ^
     720 |   10.80 |    7.50 |    6.30 |    4.90 | | GAS IN FLOWLINE
     740 |   12.70 |   10.00 |    9.10 |    7.90 | | NEAR SURFACE
     760 |   11.90 |    8.80 |    7.70 |    6.10 | |
     780 |   10.90 |    7.60 |    6.50 |    5.60 | |
     800 |   10.40 |    6.60 |    5.30 |    4.00 | |
     820 |   10.40 |    6.60 |    5.30 |    4.00 | |
     820 |    9.90 |    6.10 |    4.70 |    3.00 | |
     840 |    9.50 |    5.70 |    4.70 |    2.70 | |
     860 |    9.40 |    5.70 |    4.20 |    2.60 | |
     880 |    9.40 |    5.50 |    4.00 |    2.60 | |
     900 |    9.40 |    5.50 |    4.00 |    2.60 | v
     900 |    9.20 |    5.30 |    3.70 |    2.20 |
    1000 |    9.00 |    5.30 |    3.80 |    2.20 |
    1250 |    8.90 |    5.10 |    3.60 |    2.10 |
    1500 |    9.00 |    5.10 |    3.60 |    2.10 |
    1750 |    8.90 |    5.20 |    3.60 |    2.10 |
    2000 |    8.70 |    5.20 |    3.60 |    2.10 |
    2250 |    8.70 |    5.10 |    3.60 |    2.10 |
    2500 |    8.70 |    5.10 |    3.50 |    2.10 |
    2750 |    8.60 |    5.10 |    3.70 |    2.20 |
    3000 |    8.50 |    5.10 |    3.70 |    2.20 |
    3250 |    8.50 |    5.20 |    3.70 |    2.30 |
    3500 |    8.50 |    5.10 |    3.70 |    2.30 |
    3600 |    8.40 |    5.00 |    3.60 |    2.20 |
    3620 |    8.40 |    5.00 |    3.60 |    2.20 |
    3640 |    8.50 |    5.10 |    3.60 |    2.30 |
    3660 |    8.40 |    5.10 |    3.60 |    2.30 |
    3680 |    8.50 |    5.10 |    3.70 |    2.20 |
    3700 |    8.50 |    5.10 |    3.60 |    2.20 |
    3720 |    8.40 |    5.00 |    3.60 |    2.20 |
    3740 |    8.40 |    5.10 |    3.60 |    2.30 |
    3760 |    8.50 |    5.10 |    3.60 |    2.30 |
    3780 |    8.40 |    5.00 |    3.60 |    2.30 |
    3800 |    8.40 |    5.00 |    3.60 |    2.30 |
    3820 |    8.30 |    5.00 |    3.70 |    2.30 |
    3840 |    8.30 |    5.00 |    3.60 |    2.20 |
    3860 |    8.40 |    5.00 |    3.60 |    2.30 |
    3880 |    8.40 |    5.00 |    3.60 |    2.30 |
    3880 |    8.20 |    5.00 |    3.60 |    2.30 |
    3900 |    8.30 |    5.10 |    3.70 |    2.40 |
    3920 |    8.20 |    5.00 |    3.70 |    2.40 |
    3940 |    8.30 |    5.00 |    3.60 |    2.30 |
    3960 |    8.40 |    5.10 |    3.70 |    2.30 |
    3980 |    8.30 |    5.00 |    3.60 |    2.30 |
    4000 |    8.30 |    5.00 |    3.60 |    2.30 |
    4020 |    8.30 |    5.00 |    3.60 |    2.30 |
    4040 |    8.20 |    5.00 |    3.70 |    2.30 |
    4060 |    8.20 |    5.00 |    3.70 |    2.30 |
    4080 |    8.30 |    5.20 |    3.90 |    2.50 |
    4100 |    8.30 |    5.20 |    3.90 |    2.60 |
    4120 |    8.30 |    5.20 |    3.80 |    2.50 |
    4140 |    8.10 |    5.10 |    3.80 |    2.50 |
    4160 |    8.30 |    5.20 |    3.80 |    2.50 |
    4180 |    8.20 |    5.20 |    3.70 |    2.50 |
    4200 |    8.10 |    5.10 |    3.70 |    2.40 |
    4500 |    8.30 |    5.10 |    3.70 |    2.50 |
    4750 |    8.10 |    5.20 |    3.90 |    2.60 |
    5000 |    7.90 |    5.00 |    3.60 |    2.40 |
    5250 |    8.00 |    5.00 |    3.70 |    2.40 |
    5500 |    8.30 |    5.00 |    3.70 |    2.40 |
    5750 |    7.80 |    5.00 |    3.70 |    2.40 |
    6000 |    8.10 |    5.00 |    3.70 |    2.40 |
    6250 |    8.10 |    5.00 |    3.70 |    2.40 |
    6500 |    7.90 |    5.00 |    3.70 |    2.40 |
    6750 |    7.70 |    4.90 |    3.60 |    2.20 |
    7000 |    7.50 |    5.00 |    3.80 |    2.70 |
    7100 |    7.40 |    5.00 |    3.80 |    2.70 |
    7110 |    7.50 |    5.00 |    3.80 |    2.70 |
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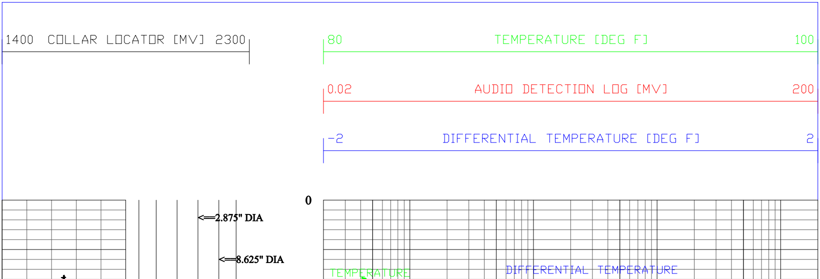
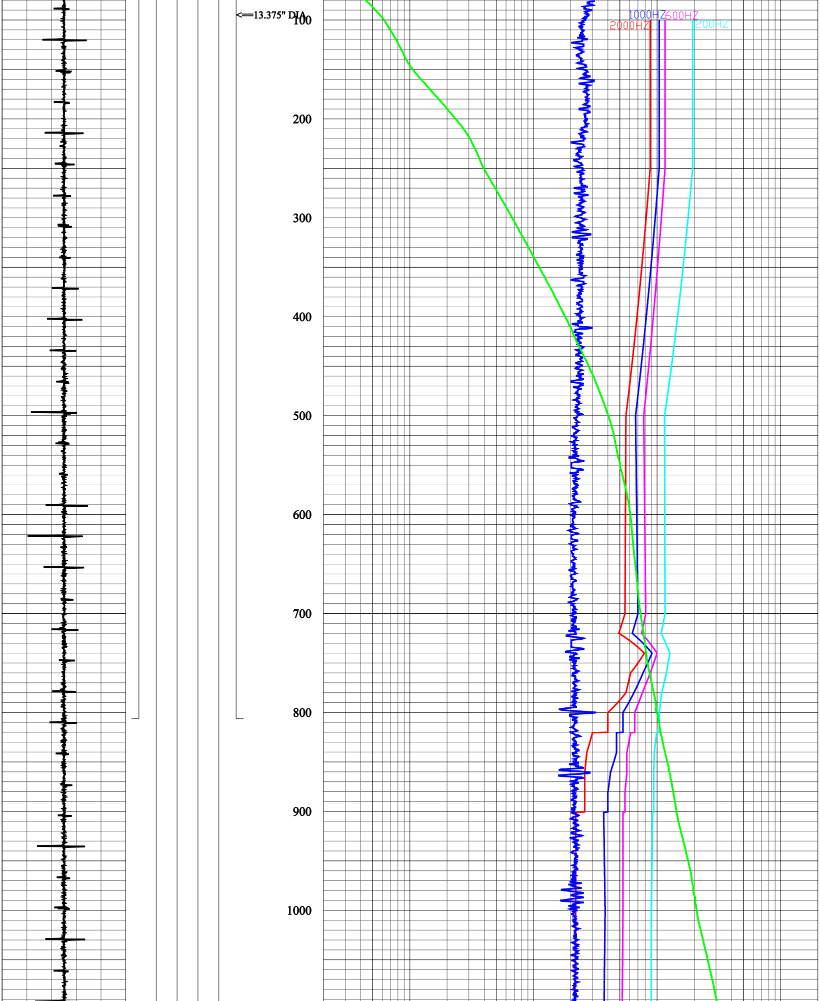
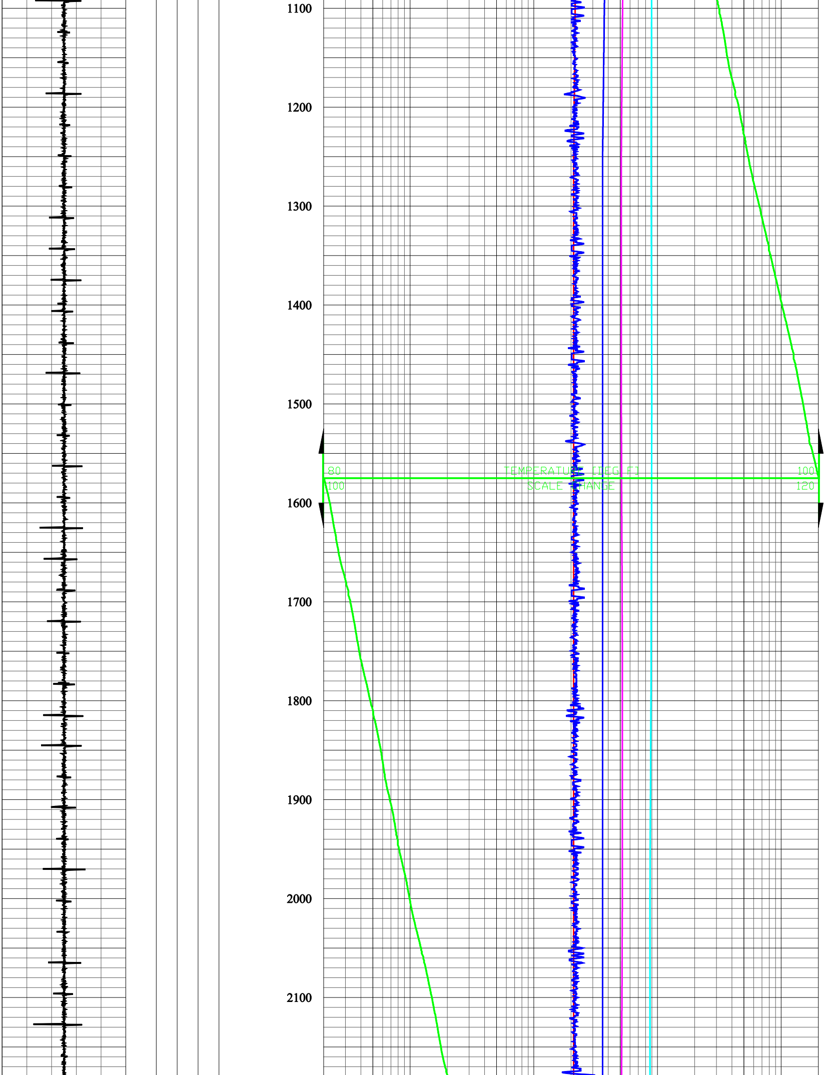
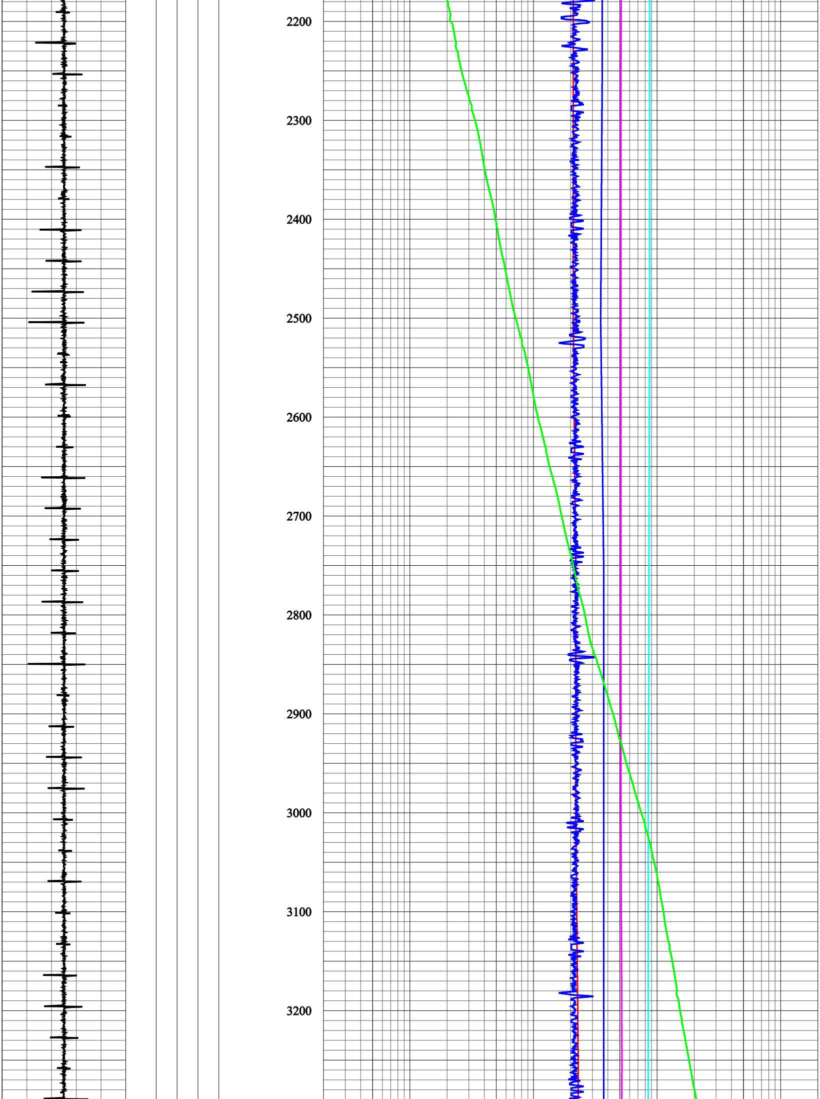
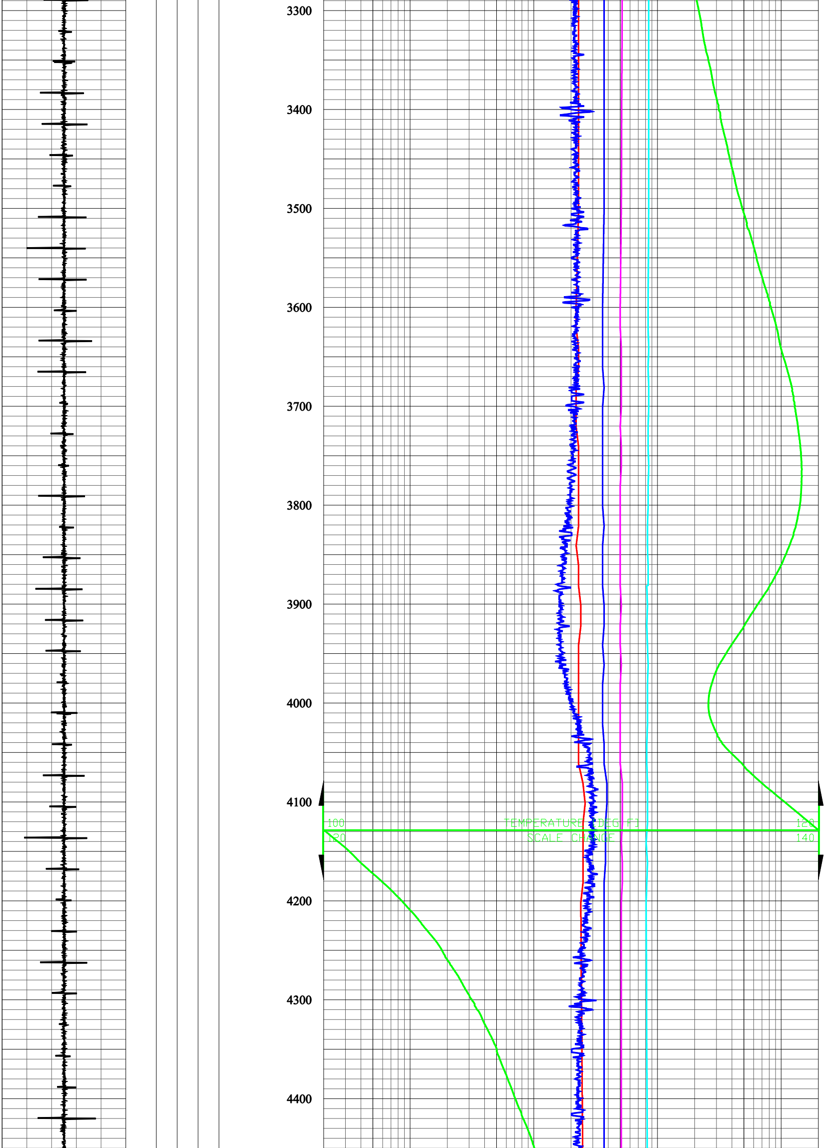
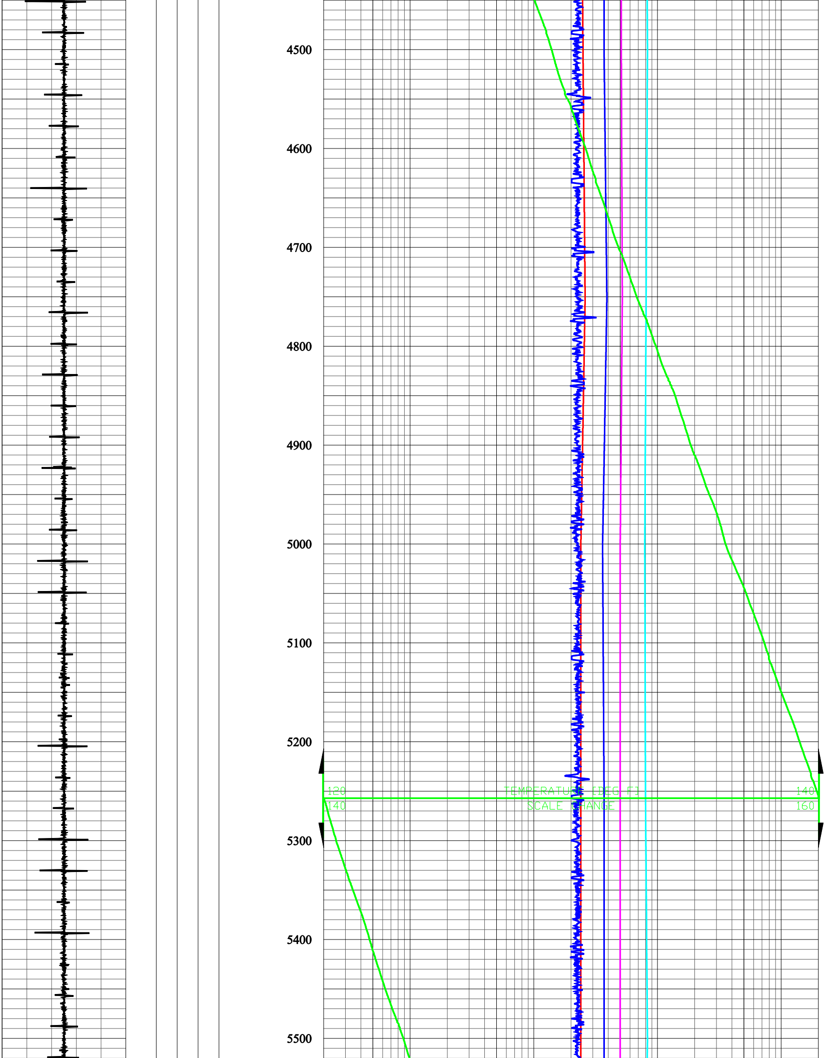
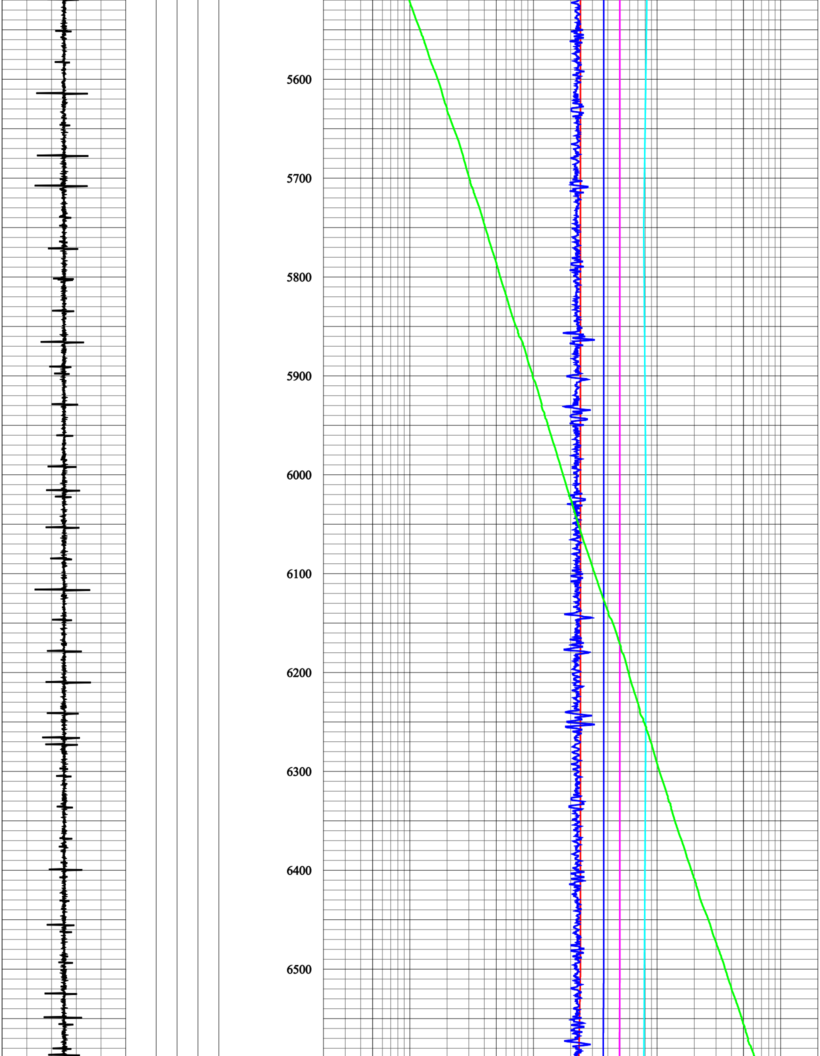
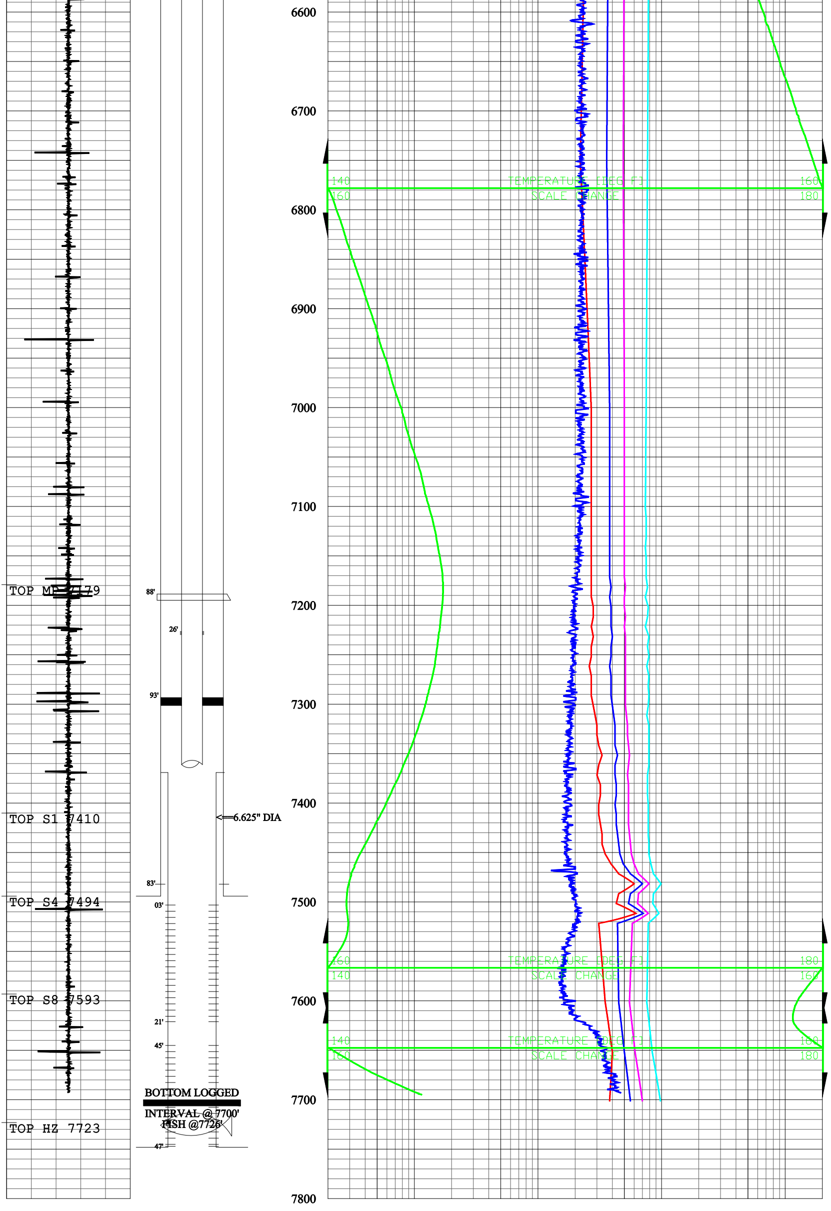
7120	7.50	5.00	3.80	2.70
7130	7.50	5.00	3.80	2.70
7140	7.40	5.00	3.80	2.70
7150	7.50	5.00	3.80	2.70
7160	7.50	5.00	3.80	2.70
7170	7.50	5.00	3.80	2.70
7180	7.70	5.10	3.90	2.70
7190	7.40	5.00	3.80	2.70
7200	7.80	5.00	3.90	2.80
7210	7.70	5.10	3.90	2.80
7220	7.40	5.00	3.90	2.70
7230	7.90	5.10	4.00	2.80
7240	7.70	5.10	3.90	2.70
7250	7.90	5.10	3.90	2.70
7260	7.60	5.10	3.80	2.60
7270	7.90	5.10	3.90	2.70
7280	7.80	5.10	3.90	2.70
7290	7.90	5.10	3.90	2.70
7300	7.80	5.10	4.00	2.80
7310	7.60	5.20	4.10	2.90
7320	7.90	5.30	4.20	3.00
7330	7.90	5.30	4.20	3.00
7340	7.90	5.40	4.20	3.10
7350	7.90	5.50	4.40	3.30
7360	7.90	5.40	4.20	3.10
7370	7.70	5.30	4.20	3.00
7380	7.70	5.40	4.30	3.20
7390	7.70	5.40	4.30	3.20
7400	7.80	5.40	4.20	3.10
7410	7.80	5.40	4.30	3.10
7420	7.80	5.40	4.30	3.20
7430	7.80	5.50	4.40	3.30
7440	7.90	5.60	4.50	3.30
7450	7.90	5.70	4.60	3.50
7460	8.20	6.00	4.90	3.90
7470	8.60	6.50	5.60	4.50
7480	9.90	7.90	7.00	6.00
7490	8.60	6.50	5.60	4.50
7500	8.50	6.40	5.40	4.30
7510	9.50	7.80	7.10	6.20
7520	7.80	5.80	4.40	3.10
7600	7.60	5.50	4.50	3.50
7650	8.40	6.10	5.00	4.00
7700	9.80	7.00	5.60	3.80


1400 COLLAR LOCATOR [MV] 2300
80 TEMPERATURE [DEG F] 100
0.02 AUDIO DETECTION LOG [MV] 200
-2 DIFFERENTIAL TEMPERATURE [DEG F] 2
0
<==2.875" DIA
<==8.625" DIA
TEMPERATURE
DIFFERENTIAL TEMPERATURE