WELL ANALYSIS CORPORATION

AUDIO DETECTION SURVEY

WELL TYPE
GS, OG

BFW

COMPANY: SOUTHERN CALIF. GAS CO.
WELL: PORTER 39
FIELD: ALISO CANYON
COUNTY: LOS ANGELES
STATE: CALIFORNIA

LOCATION:
DISTRICT 2

API NUMBER: 0403700726
SEC: 28 TWN: 3N RNG: 16W

OTHER SVC:

PERMANENT DATUM: GROUND LEVEL ELEV: 2602.00'

LOG MEASURED FROM KB 7' ABOVE PERM DATUM

DRILLING MEASURED FROM

-ELEVATIONS-
KB: 2609.00 Ft.
DF: Ft.
GL: 2602.00 Ft.

DATE LOG RAN	04-05-2016	PRESSURE	FLOWING	INJECTION	SHUT-IN
RUN NUMBER	ONE	TUBING PSI			
EFFECTIVE DEPTH	8682'	CASING PSI			
PICKUP DEPTH	8663'	INJECTION RATE	N|A		
BOT LOGGED INT	8663'	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					

WELL STATUS	STATIC			PRODUCTION DATA	
MAX TEMPERATURE	187.5 F	OIL Gr.	N|A	OIL =	N|A
AT DEPTH	8663.0'	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

10:30AM - ON LOCATION
10:45AM - RAN IN HOLE
11:00AM - BEGIN SURVEY
02:15PM - PULL OUT OF HOLE
02:30PM - OFF LOCATION

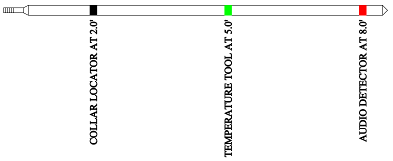
SAND TAG MARKERS: 8213' TOP MP
8408' TOP S1
8475' TOP S4
8570' TOP S8

CASING AND TUBING RECORD

SIZE	WT(#)	FROM	TO	SIZE	WT(#)	FROM	TO
13.375"	55	SURFACE	500'				
7.000"	29	SURFACE	8475'				
5.000"	18	8427'	8687'				
2.875"	6.5	SURFACE	8407'				

STR.	PIPE DIA.	PERFORATIONS
A	5.000"	8450'-8682'.
		PACKER: 8400'.
		GAS LIFT MANDRELS: 8309'.
		SLIDING SLEEVES: 8354'.
		NO-GO: 8385'.

TOOL DIAGRAM



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     Audio Data:  C:\data\NOISE.txt
--------------------------------------------------------------
   DEPTH |   200HZ |   600HZ |  1000HZ |  2000HZ |    COMMENTS
--------------------------------------------------------------
     100 |   13.80 |    6.60 |    4.10 |    1.50 |
     250 |   13.90 |    6.70 |    4.20 |    1.70 |
     400 |   13.90 |    6.60 |    4.00 |    1.40 |
     420 |   13.80 |    6.60 |    4.00 |    1.40 |
     440 |   14.00 |    6.70 |    4.00 |    1.40 |
     460 |   13.80 |    6.60 |    4.10 |    1.50 |
     480 |   13.90 |    6.60 |    4.10 |    1.50 |
     500 |   14.00 |    6.60 |    4.10 |    1.50 |
     520 |   14.00 |    6.70 |    4.10 |    1.50 |
     540 |   13.90 |    6.60 |    4.10 |    1.50 |
     560 |   13.70 |    6.60 |    4.00 |    1.50 |
     580 |   13.90 |    6.60 |    4.00 |    1.40 |
     600 |   14.00 |    6.60 |    4.10 |    1.50 |
     750 |   13.70 |    6.60 |    4.10 |    1.50 |
     840 |   13.80 |    6.60 |    4.00 |    1.40 |
     860 |   13.80 |    6.60 |    4.10 |    1.40 |
     880 |   13.60 |    6.60 |    4.10 |    1.40 |
     900 |   13.70 |    6.60 |    4.10 |    1.40 |
     920 |   13.80 |    6.60 |    4.00 |    1.40 |
     940 |   13.90 |    6.60 |    4.10 |    1.50 |
     960 |   13.80 |    6.70 |    4.10 |    1.50 |
    1000 |   13.70 |    6.60 |    4.10 |    1.50 |
    1250 |   13.80 |    6.60 |    4.10 |    1.50 |
    1500 |   13.40 |    6.60 |    4.10 |    1.50 |
    1750 |   13.40 |    6.60 |    4.10 |    1.50 |
    2000 |   13.50 |    6.60 |    4.10 |    1.60 |
    2250 |   13.40 |    6.60 |    4.10 |    1.60 |
    2500 |   13.60 |    6.60 |    4.10 |    1.60 |
    2750 |   13.40 |    6.60 |    4.20 |    1.50 |
    3000 |   13.40 |    6.60 |    4.20 |    1.60 |
    3250 |   13.30 |    6.50 |    4.10 |    1.50 |
    3500 |   13.00 |    6.80 |    4.20 |    1.50 |
    3750 |   13.00 |    6.50 |    4.10 |    1.50 |
    4000 |   12.90 |    6.50 |    4.10 |    1.50 |
    4250 |   12.90 |    6.50 |    4.10 |    1.50 |
    4500 |   12.70 |    6.50 |    4.20 |    1.50 |
    4750 |   12.70 |    6.50 |    4.10 |    1.50 |
    5000 |   12.60 |    6.40 |    4.10 |    1.50 |
    5250 |   12.60 |    6.50 |    4.10 |    1.50 |
    5500 |   12.70 |    6.50 |    4.10 |    1.50 |
    5750 |   12.70 |    6.60 |    4.40 |    1.50 |
    5900 |   12.60 |    6.60 |    4.20 |    1.50 |
    5920 |   12.50 |    6.50 |    4.10 |    1.50 |
    5940 |   12.50 |    6.50 |    4.20 |    1.50 |
    5960 |   12.60 |    6.50 |    4.20 |    1.50 |
    5980 |   12.30 |    6.40 |    4.10 |    1.50 |
    6000 |   12.60 |    6.50 |    4.20 |    1.50 |
    6250 |   12.50 |    6.50 |    4.20 |    1.60 |
    6500 |   12.40 |    6.50 |    4.20 |    1.60 |
    6750 |   12.30 |    6.40 |    4.20 |    1.60 |
    7000 |   12.20 |    6.40 |    4.20 |    1.60 |
    7250 |   12.20 |    6.40 |    4.20 |    1.60 |
    7500 |   12.10 |    6.40 |    4.20 |    1.60 |
    7660 |   12.00 |    6.40 |    4.20 |    1.60 |
    7680 |   12.10 |    6.40 |    4.20 |    1.60 |
    7700 |   12.20 |    6.40 |    4.20 |    1.60 |
    7720 |   12.20 |    6.40 |    4.20 |    1.60 |
    7740 |   12.10 |    6.40 |    4.20 |    1.60 |
    7760 |   12.00 |    6.40 |    4.20 |    1.60 |
    7780 |   12.00 |    6.40 |    4.20 |    1.60 |
    7800 |   12.00 |    6.40 |    4.30 |    1.70 |
    7820 |   12.10 |    6.40 |    4.20 |    1.60 |
    7840 |   12.00 |    6.40 |    4.20 |    1.60 |
    7860 |   12.00 |    6.40 |    4.20 |    1.60 |
    7880 |   12.00 |    6.40 |    4.20 |    1.60 |
    7900 |   12.00 |    6.40 |    4.20 |    1.60 |
    7920 |   12.00 |    6.30 |    4.20 |    1.60 |
    7940 |   11.90 |    6.30 |    4.20 |    1.60 |
    7960 |   12.00 |    6.40 |    4.20 |    1.60 |
    7980 |   11.90 |    6.30 |    4.20 |    1.60 |
    8000 |   12.00 |    6.40 |    4.20 |    1.60 |
    8020 |   12.00 |    6.40 |    4.30 |    1.60 |
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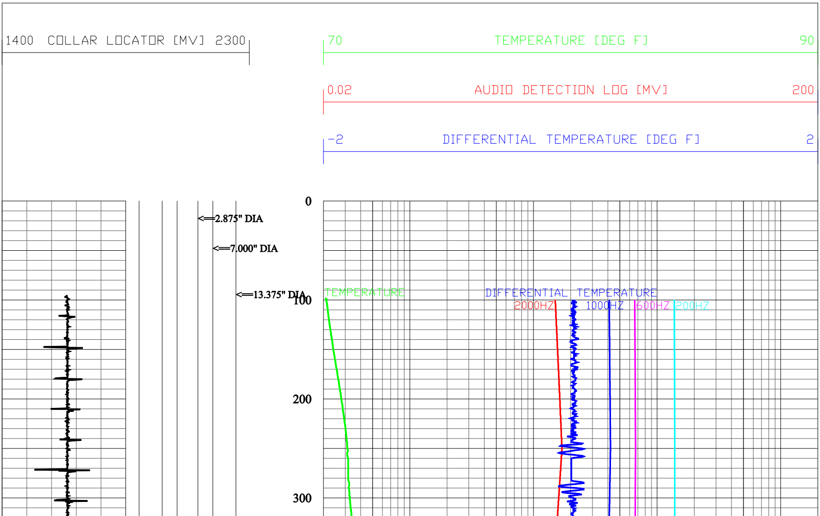
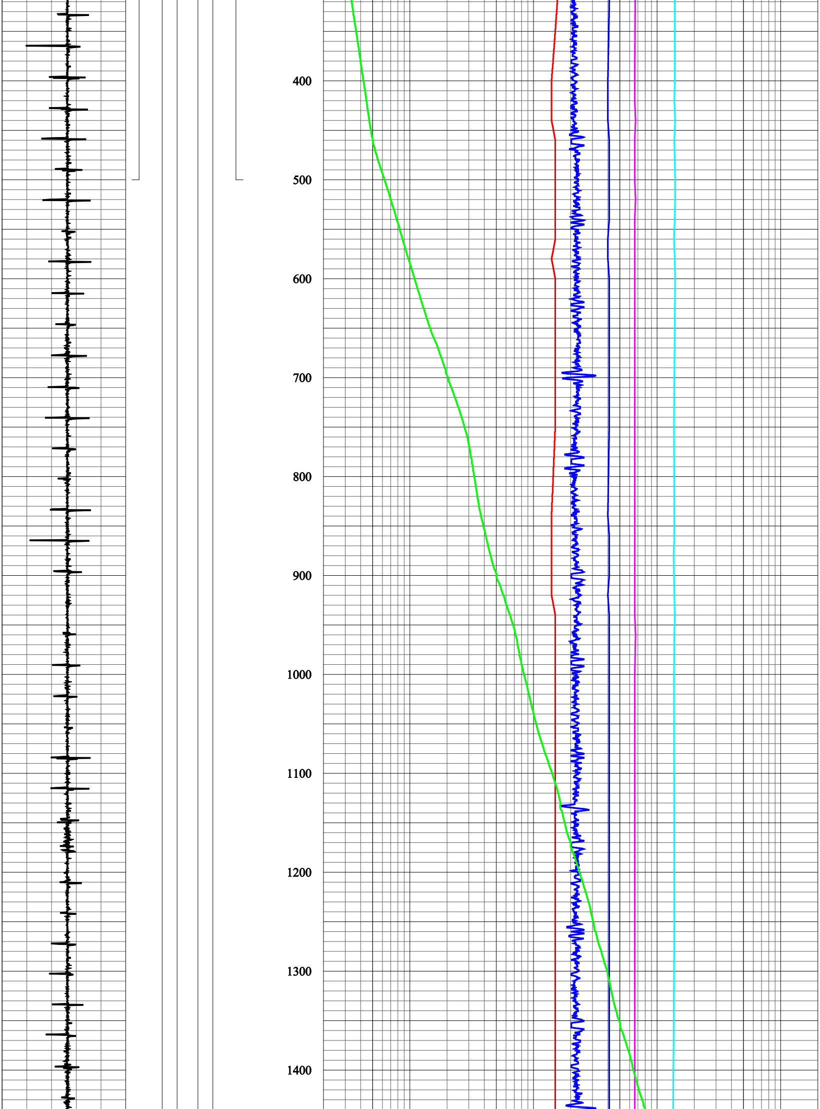
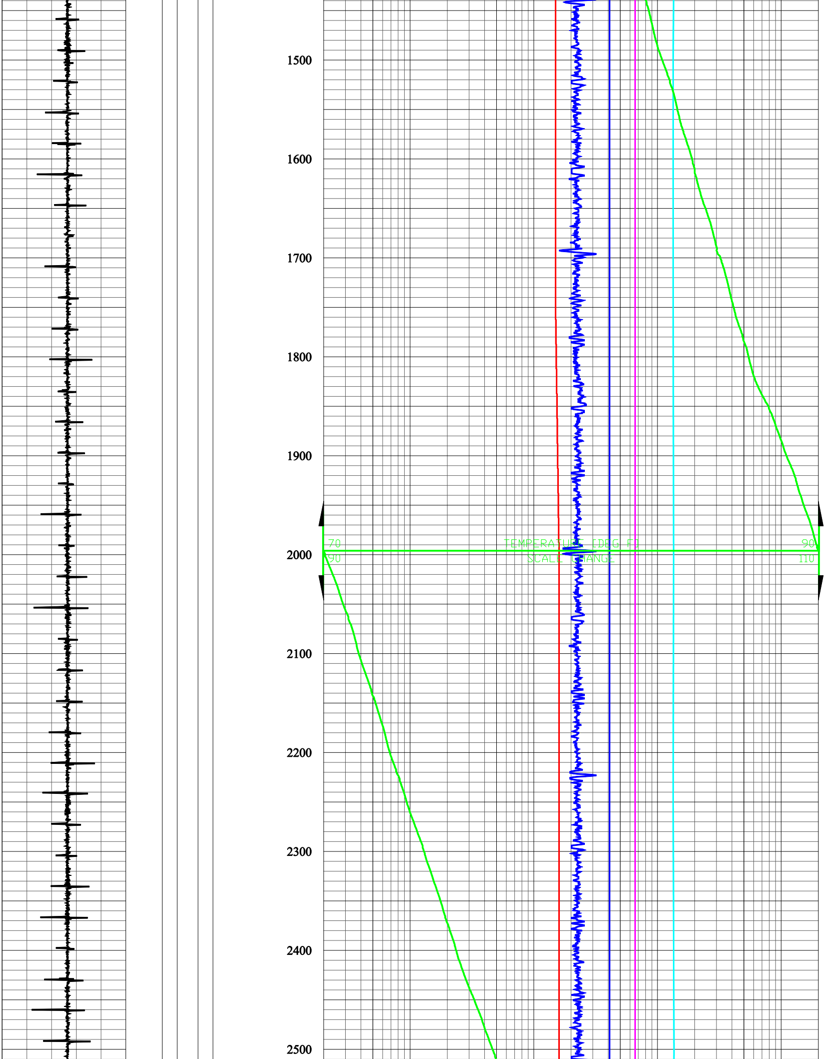
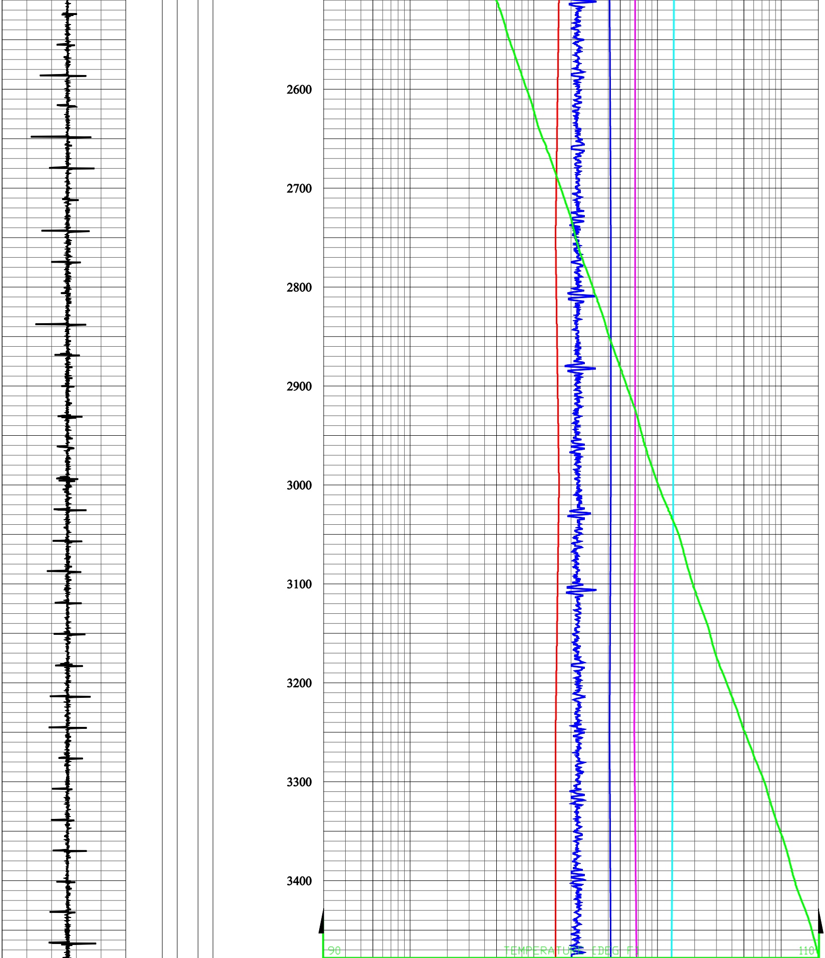
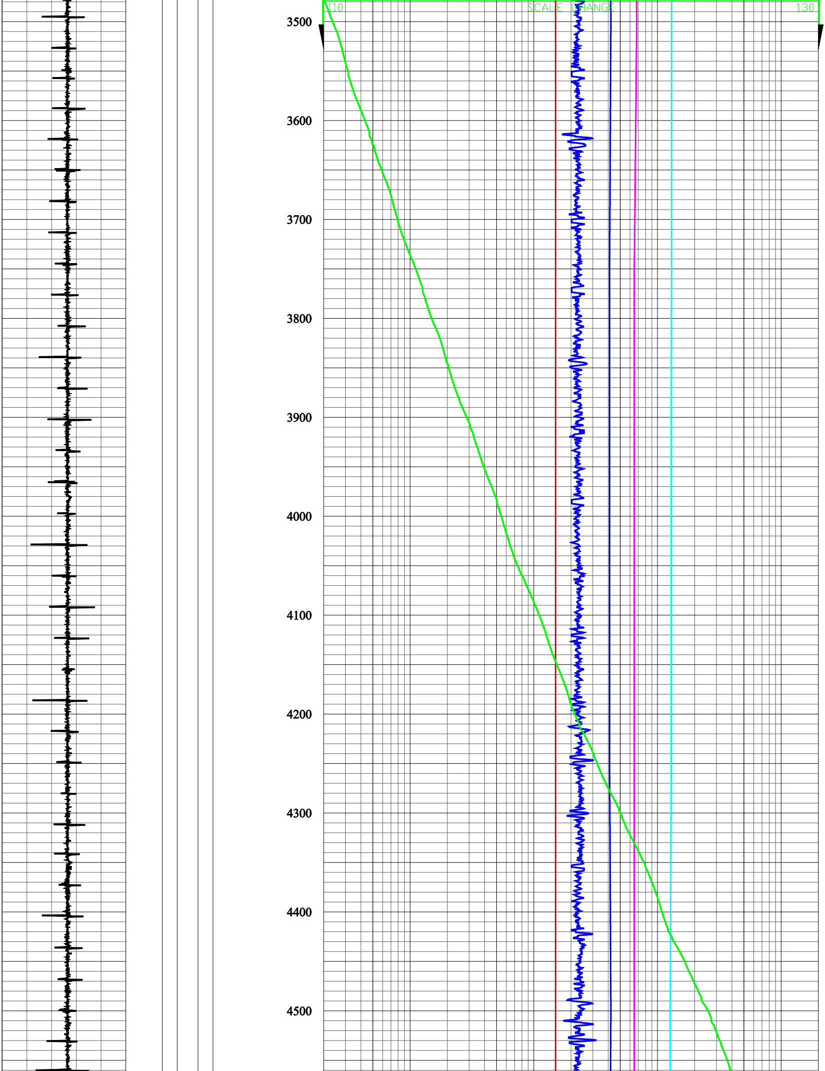
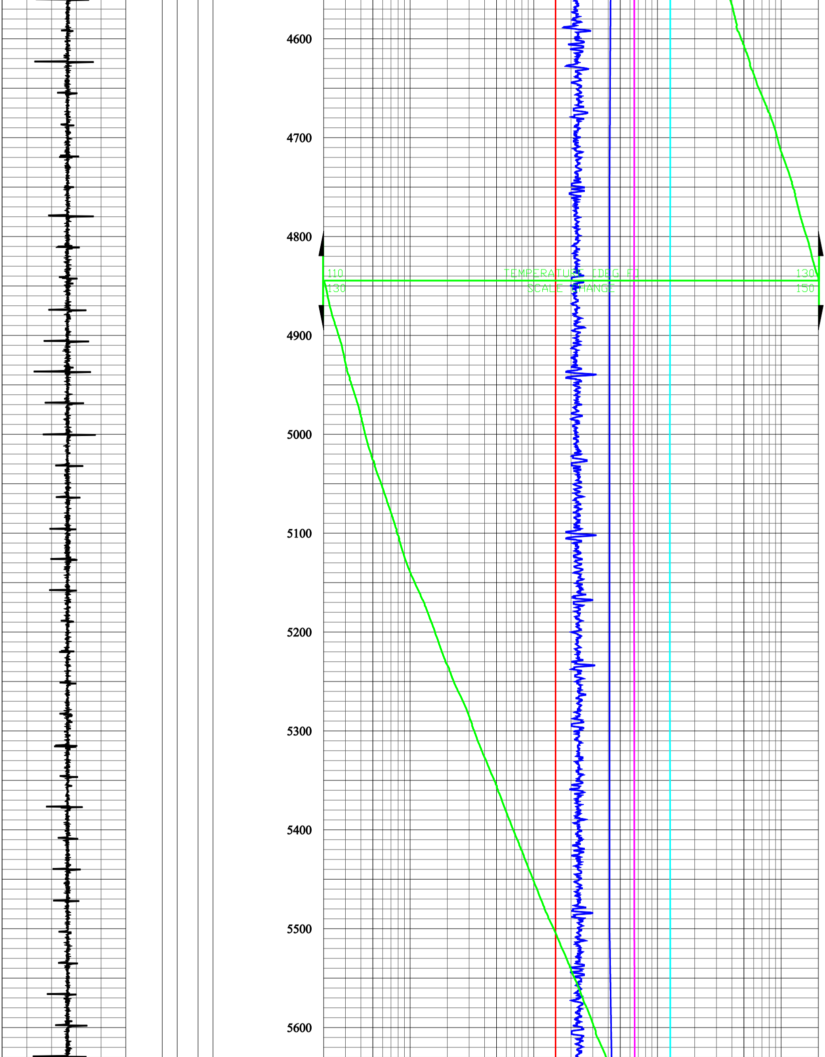
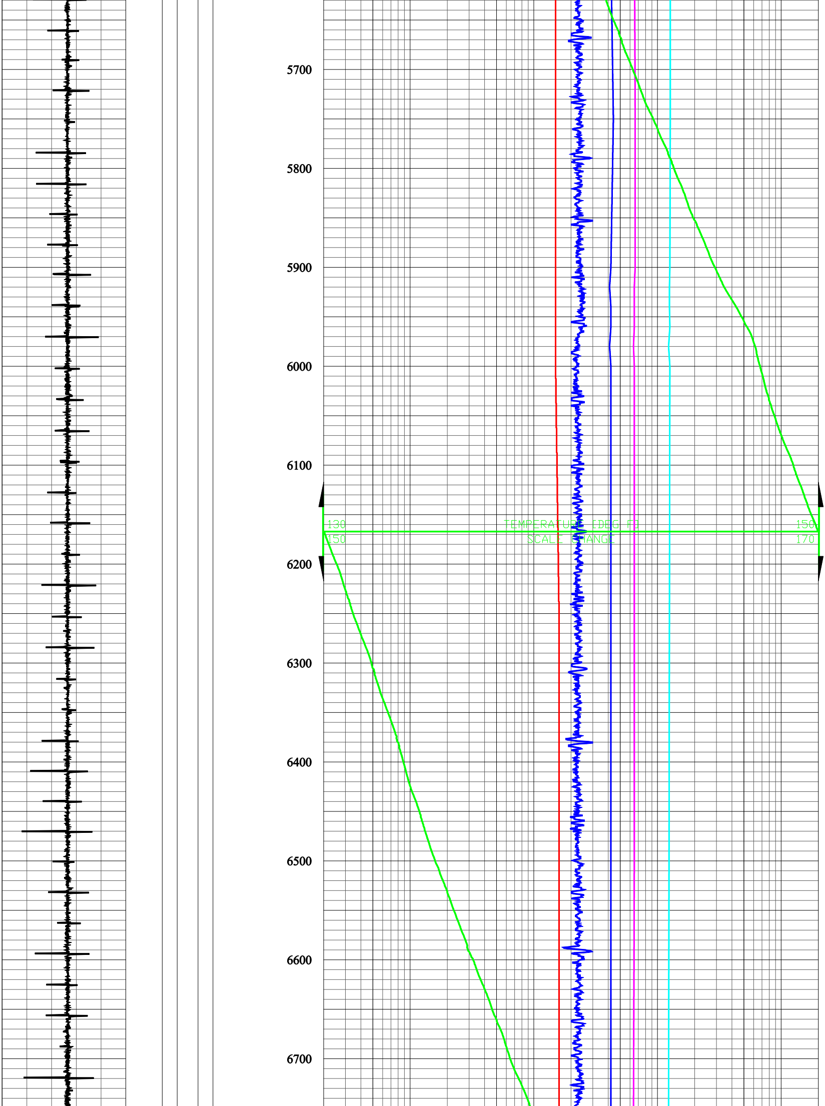
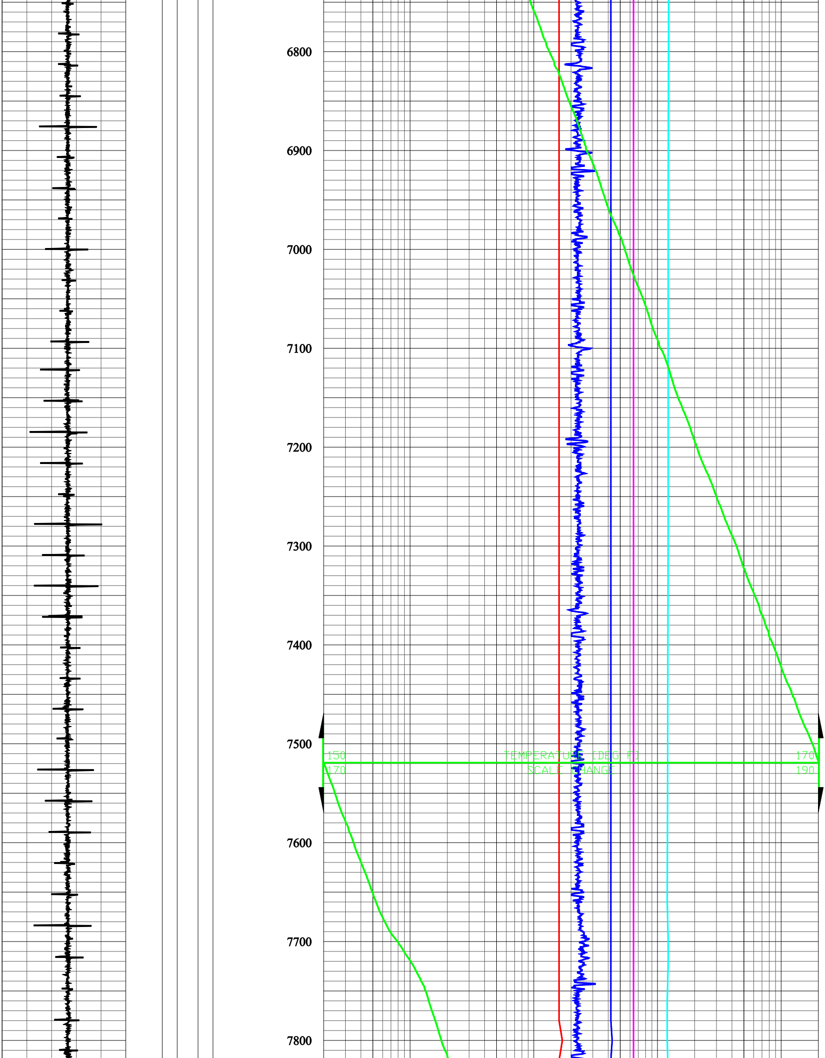
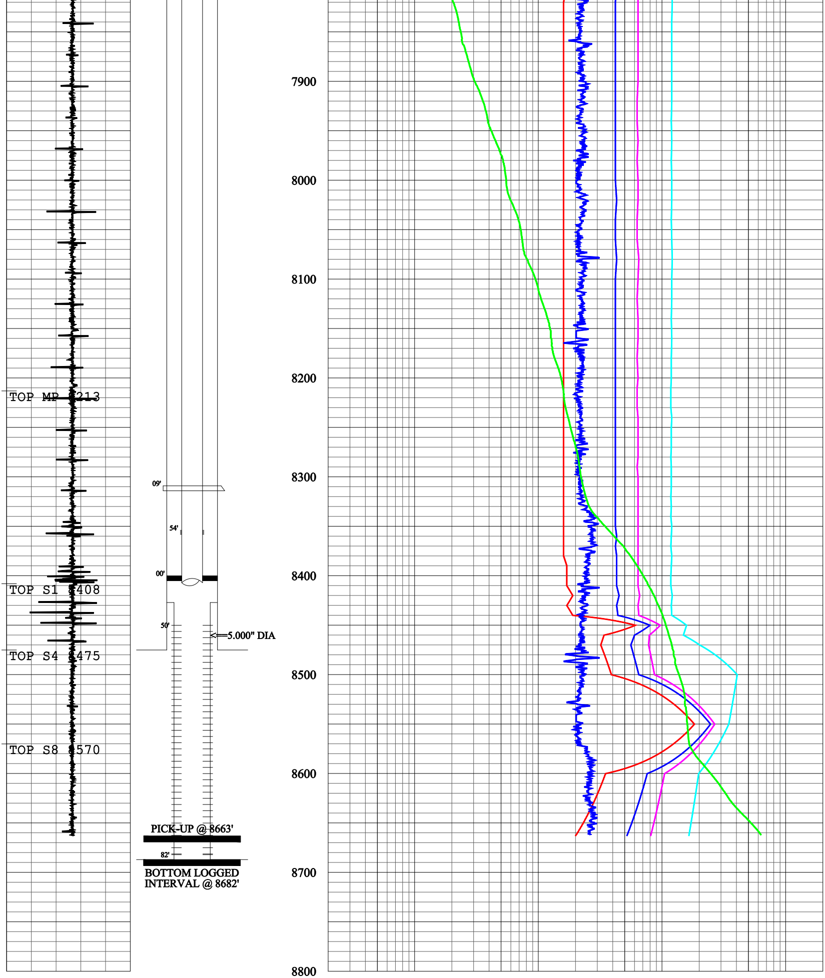
8040	11.90	6.30	4.20	1.60	
8060	12.00	6.30	4.20	1.60	
8080	12.10	6.50	4.30	1.60	
8100	12.00	6.40	4.20	1.60	
8120	12.00	6.30	4.20	1.60	
8140	11.90	6.40	4.20	1.60	
8160	12.00	6.40	4.20	1.60	
8180	11.90	6.30	4.20	1.60	
8200	11.90	6.40	4.20	1.60	
8210	11.80	6.30	4.20	1.60	
8220	11.80	6.30	4.20	1.60	
8230	11.80	6.30	4.20	1.60	
8240	12.00	6.40	4.20	1.60	
8250	11.90	6.40	4.20	1.60	
8260	11.90	6.40	4.20	1.60	
8270	11.90	6.40	4.20	1.60	
8280	11.80	6.40	4.20	1.60	
8290	11.90	6.30	4.20	1.60	
8300	11.90	6.40	4.20	1.60	
8310	11.90	6.40	4.20	1.60	
8320	11.80	6.40	4.20	1.60	
8330	11.90	6.40	4.20	1.60	
8340	11.80	6.40	4.20	1.60	
8350	12.00	6.40	4.20	1.60	
8360	11.90	6.40	4.30	1.60	
8370	11.80	6.40	4.20	1.60	
8380	12.00	6.40	4.30	1.60	
8390	11.90	6.40	4.30	1.70	
8400	11.80	6.40	4.30	1.70	
8410	11.80	6.40	4.30	1.70	
8420	12.10	6.60	4.50	1.90	
8430	11.90	6.40	4.30	1.70	
8440	12.00	6.50	4.40	1.90	
8450	15.80	9.70	8.00	6.10	
8460	14.90	7.90	6.00	3.40	WATER SOUNDS
8470	20.20	7.80	5.60	3.20	
8500	40.60	8.70	6.50	3.90	
8550	34.70	26.70	24.70	18.30	
8600	19.80	10.50	7.60	3.50	
8663	16.50	8.10	5.20	2.00	


1400 COLLAR LOCATOR [MV] 2300
70 TEMPERATURE [DEG F] 90
0.02 AUDIO DETECTION LOG [MV] 200
-2 DIFFERENTIAL TEMPERATURE [DEG F] 2
0
<==2.875" DIA
<==7.000" DIA
<==13.375" DIA
100
TEMPERATURE
DIFFERENTIAL TEMPERATURE
2000HZ
1000HZ
600HZ
200HZ
200
300