WELL ANALYSIS CORPORATION

AUDIO DETECTION SURVEY

COMPANY: SOUTHERN CALIF. GAS CO.
WELL: PORTER 24A
FIELD: ALISO CANYON
COUNTY: LOS ANGELES
STATE: CALIFORNIA
LOCATION:
DISTRICT 2
OTHER SVC:
API NUMBER: 0403724143
SEC: 27 TWN: 3N RNG: 16W
WELL TYPE GS, OG
BFW
PERMANENT DATUM: GROUND LEVEL ELEV:
LOG MEASURED FROM MAT 0' ABOVE PERM DATUM
DRILLING MEASURED FROM
-ELEVATIONS-
KB: Ft.
DF: Ft.
GL: Ft.

DATE LOG RAN	03-23-2016	PRESSURE	FLOWING	INJECTION	SHUT-IN
RUN NUMBER	ONE	TUBING PSI			1227
EFFECTIVE DEPTH	7850'	CASING PSI			1227
PICKUP DEPTH	7838'	INJECTION RATE	N|A		
BOT LOGGED INT	7838'	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	181.0 F.	OIL Gr.	N|A	OIL =	N|A
AT DEPTH	7838.0'	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	🟩 1.375"		
Audio Detector	🟥 1.375"		

Remarks/Survey Results

11:45AM - ON LOCATION
11:50AM - RAN IN HOLE
12:00PM - BEGIN SURVEY
03:30PM - PULL OUT OF HOLE
04:00PM - OFF LOCATION

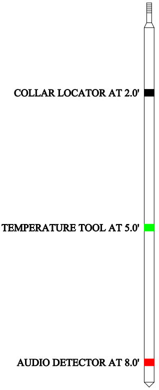
SANDTAG MARKERS: 7141' TOP MP
7267' TOP S1

CASING AND TUBING RECORD

SIZE	WT(#)	FROM	TO	SIZE	WT(#)	FROM	TO
13.375"	54.5	SURFACE	819'				
9.625"	47	SURFACE	7412'				
5.500"	17	7354'	7850'				
2.875"	6.5	SURFACE	7270'				

STR.	PIPE DIA.	PERFORATIONS
A	5.50"	7377'-7419', 7719'-7845'.
		PACKERS: 7269'-7270'.
		GAS LIFT MANDRELS: 7160.4'-7168.9'.
		SLIDING SLEEVES: 7199.4'-7202.6'.
		NO-GO: 7234.1'.

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 |    9.20 |    6.30 |    4.30 |    2.80 |
     250 |    9.20 |    6.80 |    4.70 |    3.10 |
     500 |    9.50 |    5.50 |    3.60 |    2.10 |
     700 |    8.30 |    5.80 |    3.60 |    2.10 |
     720 |    8.50 |    5.80 |    3.90 |    2.50 |
     740 |    8.60 |    5.50 |    3.60 |    2.10 |
     760 |    8.20 |    5.50 |    3.60 |    2.20 |
     780 |    8.30 |    5.50 |    3.60 |    2.20 |
     800 |    8.60 |    5.60 |    3.60 |    2.10 |
     820 |    8.40 |    5.50 |    3.60 |    2.10 |
     840 |    8.40 |    5.50 |    3.60 |    2.20 |
     860 |    8.40 |    5.50 |    3.60 |    2.20 |
     880 |    8.90 |    5.50 |    3.60 |    2.20 |
     900 |    8.50 |    5.60 |    3.60 |    2.20 |
    1000 |    8.50 |    5.50 |    3.60 |    2.20 |
    1250 |    8.00 |    5.40 |    3.60 |    2.30 |
    1500 |    8.00 |    5.40 |    3.60 |    2.30 |
    1750 |    8.10 |    5.40 |    3.60 |    2.30 |
    2000 |    8.00 |    5.40 |    3.60 |    2.30 |
    2250 |    8.10 |    5.50 |    3.70 |    2.40 |
    2500 |    7.90 |    5.40 |    3.70 |    2.30 |
    2780 |    8.00 |    5.40 |    3.60 |    2.20 |
    3000 |    7.80 |    5.30 |    3.70 |    2.30 |
    3250 |    7.70 |    5.30 |    3.60 |    2.30 |
    3500 |    7.70 |    5.30 |    3.60 |    2.30 |
    3500 |    7.70 |    5.30 |    3.60 |    2.20 |
    3750 |    7.70 |    5.30 |    3.60 |    2.20 |
    3800 |    7.80 |    5.30 |    3.70 |    2.30 |
    3820 |    7.90 |    5.40 |    3.70 |    2.30 |
    3840 |    7.70 |    5.30 |    3.60 |    2.20 |
    3860 |    7.90 |    5.40 |    3.70 |    2.30 |
    3880 |    7.70 |    5.30 |    3.60 |    2.20 |
    3900 |    7.80 |    5.40 |    3.70 |    2.30 |
    3920 |    7.90 |    5.40 |    3.70 |    2.30 |
    3940 |    7.90 |    5.40 |    3.70 |    2.30 |
    3960 |    7.80 |    5.40 |    3.70 |    2.30 |
    3980 |    7.80 |    5.40 |    3.80 |    2.40 |
    4000 |    7.70 |    5.30 |    3.60 |    2.30 |
    4020 |    7.80 |    5.30 |    3.70 |    2.30 |
    4040 |    7.70 |    5.30 |    3.70 |    2.40 |
    4060 |    7.70 |    5.30 |    3.70 |    2.40 |
    4080 |    7.70 |    5.30 |    3.70 |    2.30 |
    4100 |    7.80 |    5.30 |    3.70 |    2.30 |
    4250 |    7.90 |    5.50 |    3.90 |    2.50 |
    4500 |    7.70 |    5.30 |    3.80 |    2.60 |
    4750 |    7.50 |    5.20 |    3.80 |    2.60 |
    5000 |    7.70 |    5.30 |    3.90 |    2.60 |
    5250 |    7.50 |    5.20 |    3.80 |    2.60 |
    5340 |    7.50 |    5.30 |    3.80 |    2.60 |
    5360 |    7.50 |    5.30 |    3.80 |    2.60 |
    5380 |    7.50 |    5.20 |    3.80 |    2.60 |
    5400 |    7.60 |    5.20 |    3.80 |    2.60 |
    5420 |    7.50 |    5.20 |    3.80 |    2.60 |
    5440 |    7.50 |    5.20 |    3.80 |    2.60 |
    5460 |    7.50 |    5.30 |    3.90 |    2.70 |
    5480 |    7.40 |    5.20 |    3.80 |    2.60 |
    5500 |    7.40 |    5.20 |    3.80 |    2.60 |
    5750 |    7.40 |    5.20 |    3.80 |    2.60 |
    6000 |    7.50 |    5.10 |    3.70 |    2.50 |
    6250 |    7.30 |    5.10 |    3.70 |    2.50 |
    6500 |    7.60 |    5.10 |    3.70 |    2.50 |
    6520 |    7.60 |    5.20 |    3.70 |    2.50 |
    6540 |    7.50 |    5.10 |    3.70 |    2.40 |
    6560 |    7.30 |    5.10 |    3.70 |    2.50 |
    6580 |    7.70 |    5.20 |    3.80 |    2.50 |
    6600 |    7.60 |    5.10 |    3.70 |    2.40 |
    6620 |    7.70 |    5.10 |    3.70 |    2.40 |
    6640 |    7.70 |    5.10 |    3.70 |    2.40 |
    6660 |    7.50 |    5.20 |    3.70 |    2.40 |
    6680 |    7.70 |    5.20 |    3.70 |    2.40 |
    6700 |    7.50 |    5.20 |    3.70 |    2.40 |
    6720 |    7.50 |    5.20 |    3.70 |    2.40 |
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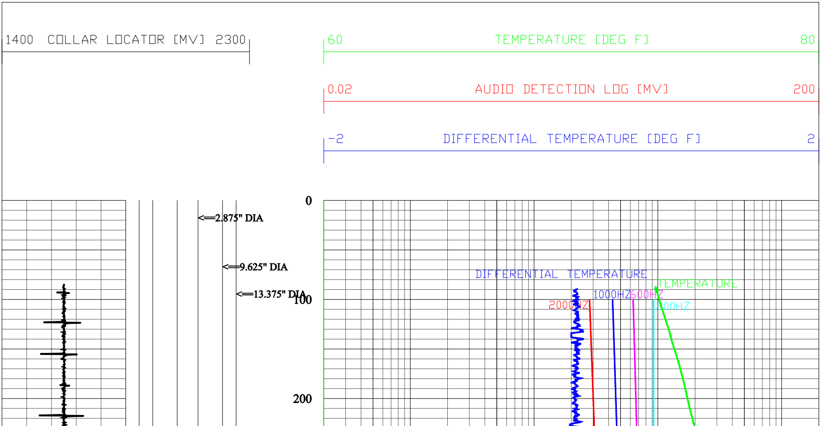
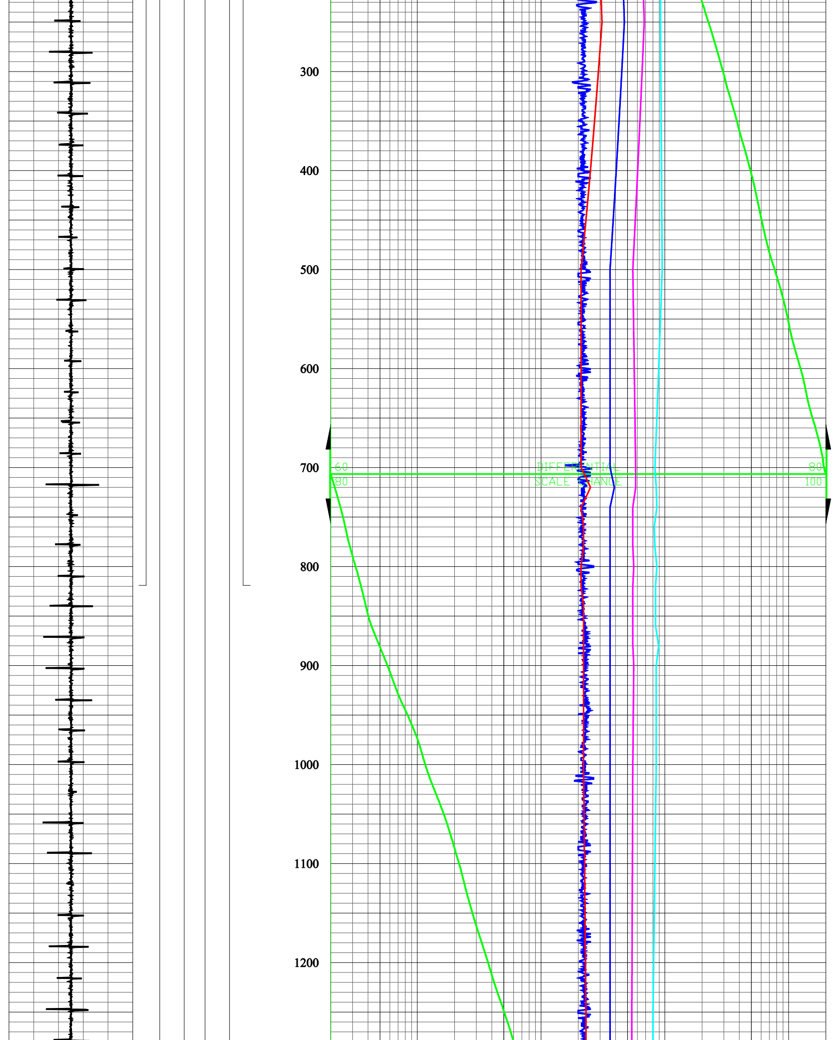
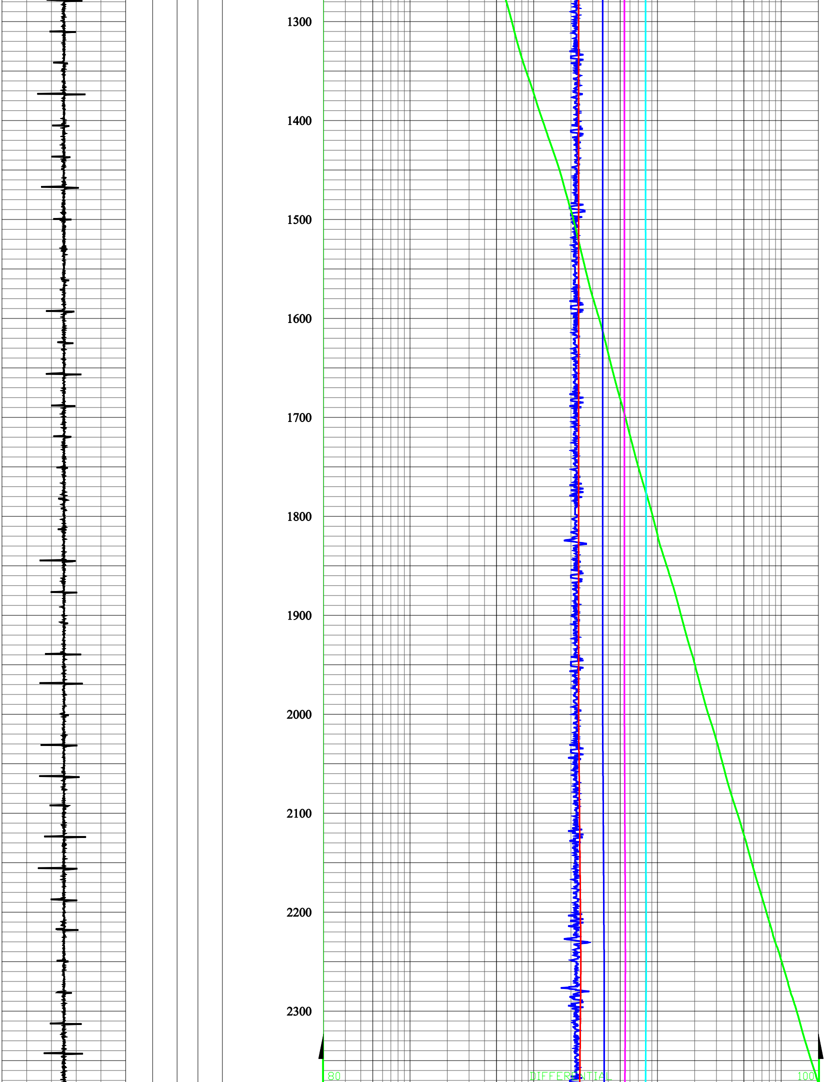
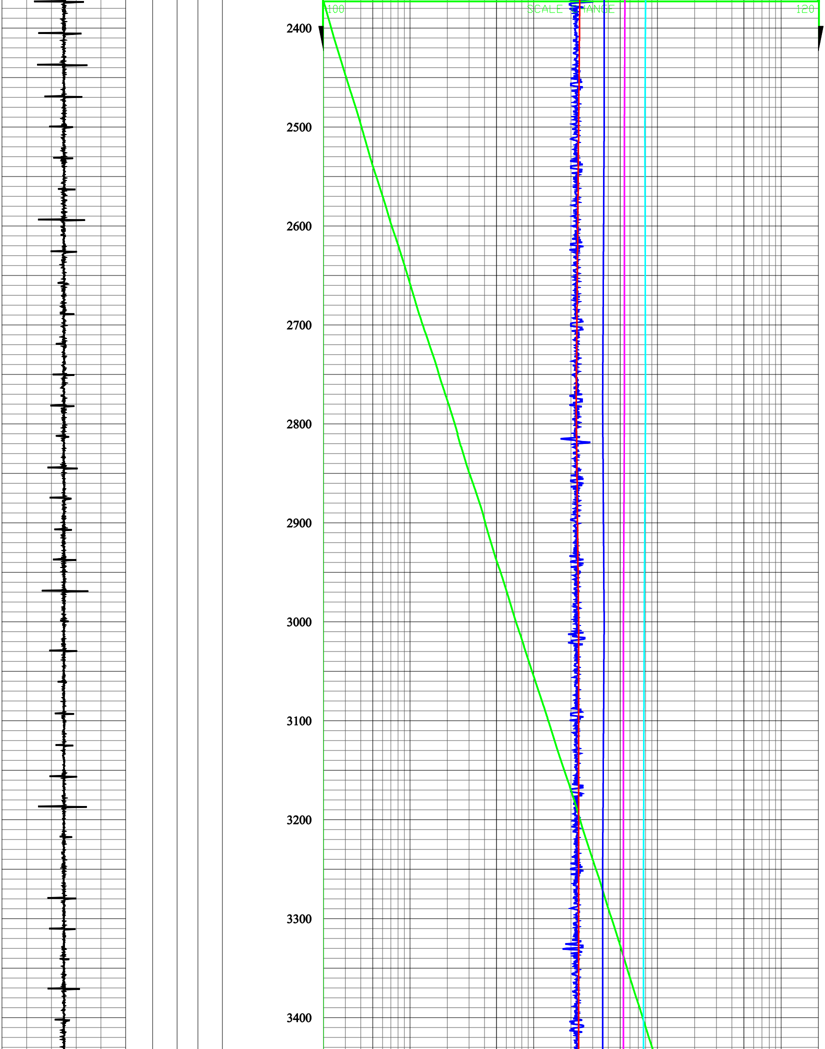
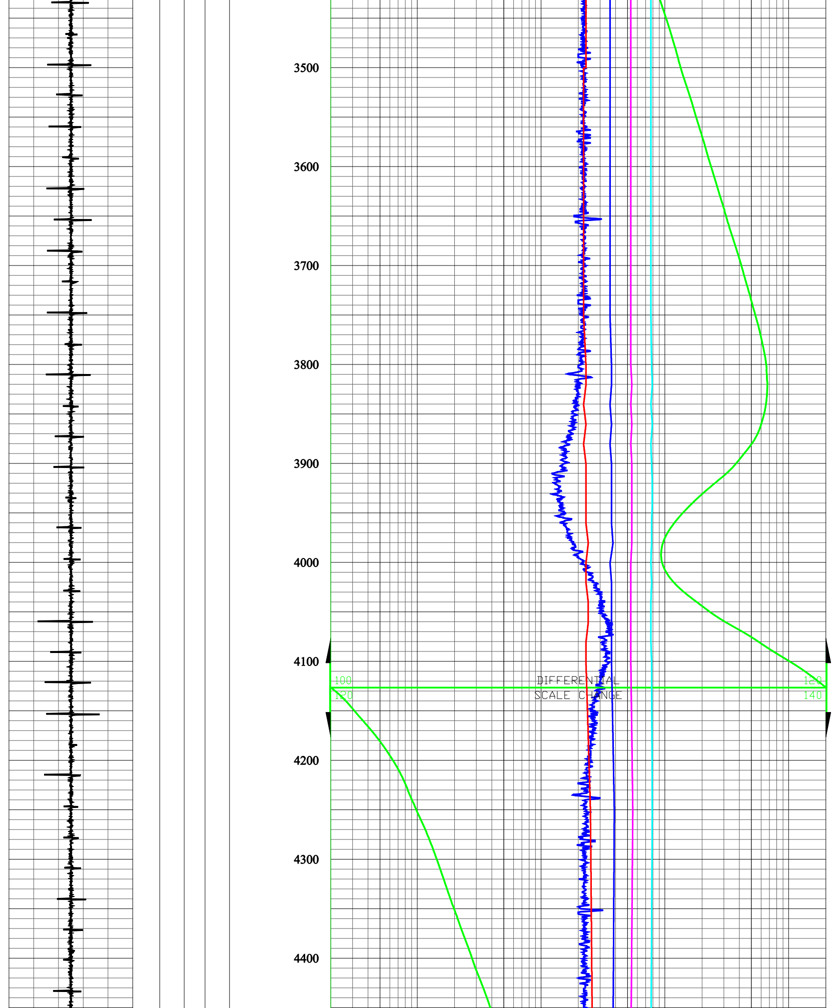
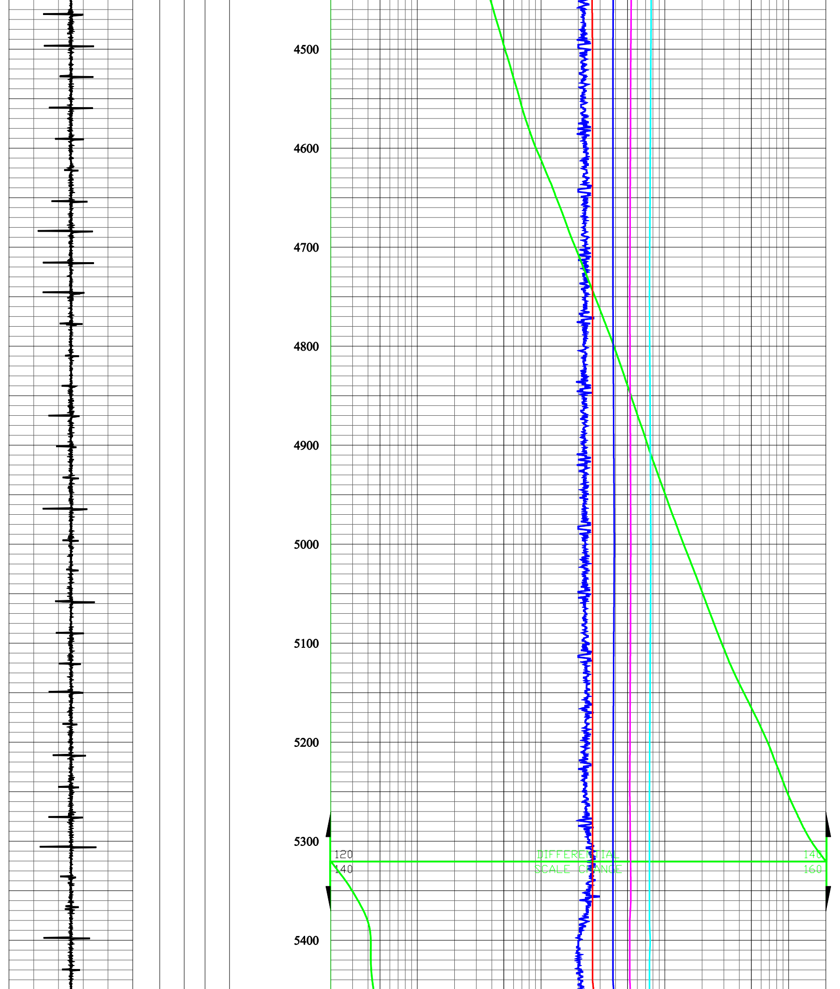
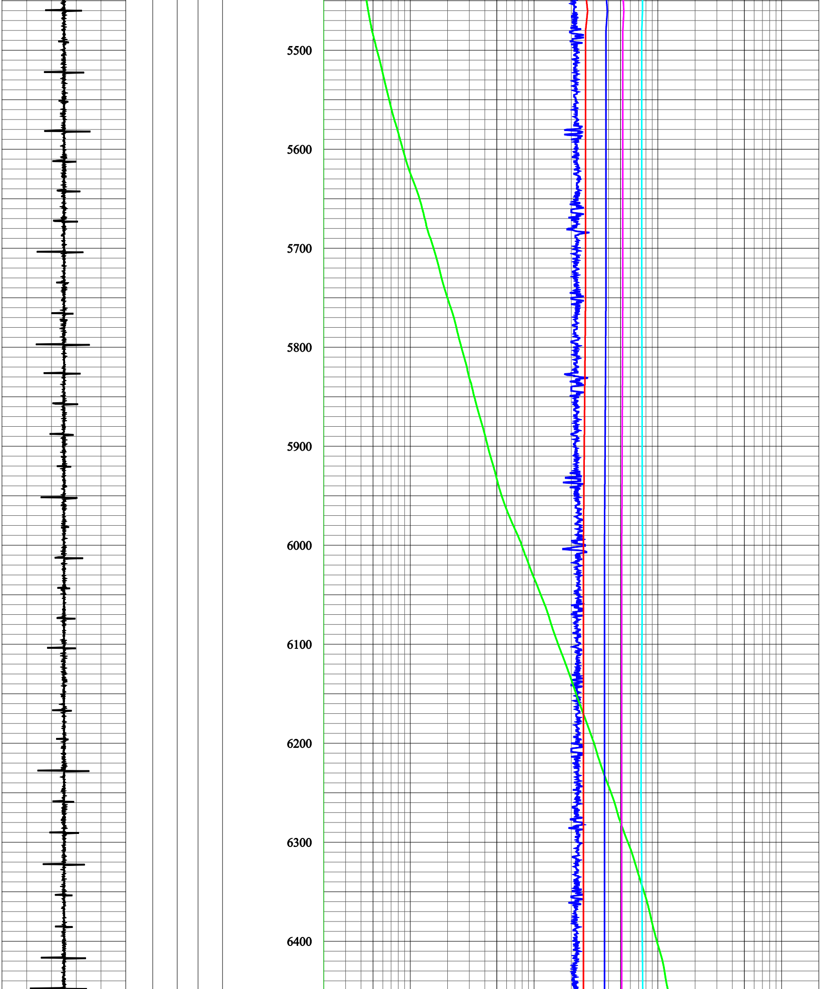
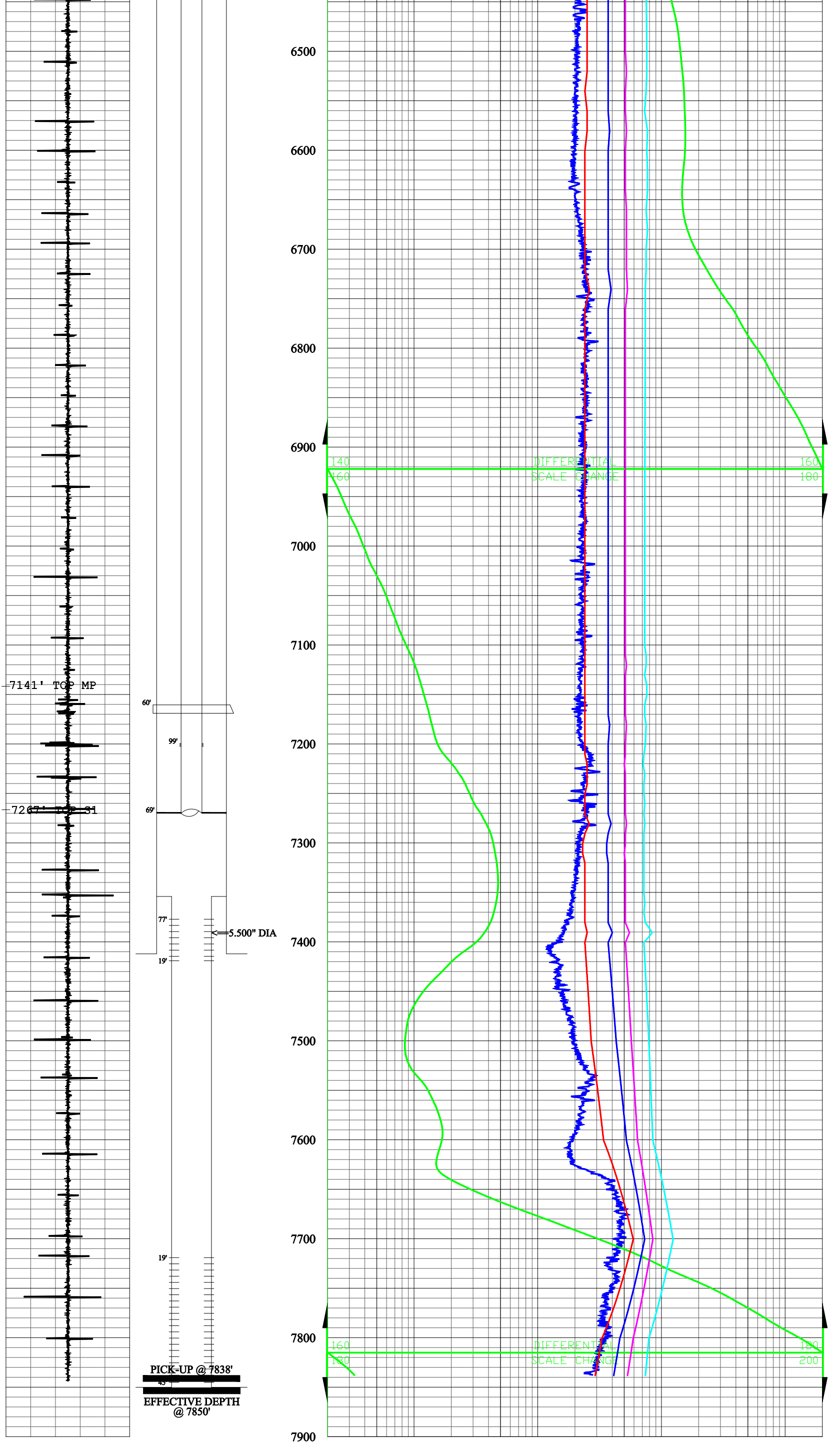
6740	7.40	5.30	3.90	2.60
6760	7.40	5.10	3.70	2.40
7000	7.30	5.10	3.70	2.40
7100	7.30	5.10	3.70	2.40
7110	7.50	5.10	3.70	2.40
7120	7.50	5.20	3.70	2.40
7130	7.30	5.10	3.70	2.40
7140	7.60	5.10	3.70	2.40
7150	7.60	5.10	3.70	2.40
7160	7.30	5.10	3.70	2.40
7170	7.30	5.10	3.70	2.40
7180	7.50	5.20	3.80	2.40
7200	7.40	5.10	3.70	2.40
7210	7.20	5.10	3.70	2.40
7220	7.10	5.00	3.70	2.50
7230	7.30	5.10	3.70	2.50
7240	7.20	5.10	3.70	2.50
7250	7.20	5.10	3.70	2.40
7260	7.30	5.10	3.70	2.40
7270	7.20	5.10	3.70	2.40
7280	7.30	5.20	3.90	2.60
7290	7.20	5.10	3.70	2.40
7300	7.20	5.10	3.60	2.30
7310	7.20	5.00	3.60	2.30
7320	7.20	5.10	3.70	2.40
7330	7.20	5.10	3.70	2.40
7340	7.20	5.10	3.70	2.40
7350	7.20	5.10	3.70	2.40
7360	7.30	5.10	3.70	2.40
7370	7.20	5.10	3.70	2.40
7380	7.40	5.10	3.70	2.40
7390	8.40	5.50	4.00	2.50
7400	7.20	5.10	3.70	2.40
7500	7.90	5.70	4.30	2.70
7600	8.50	6.40	5.20	3.40
7700	12.40	8.50	7.30	5.90
7800	7.90	5.90	4.60	3.30
7838	7.40	5.30	4.10	2.90


1400 COLLAR LOCATOR [MV] 2300
60 TEMPERATURE [DEG F] 80
0.02 AUDIO DETECTION LOG [MV] 200
-2 DIFFERENTIAL TEMPERATURE [DEG F] 2
0
<==2.875" DIA
<==9.625" DIA
<==13.375" DIA
100
200
DIFFERENTIAL TEMPERATURE
TEMPERATURE
2000HZ
1000HZ
600HZ
200HZ