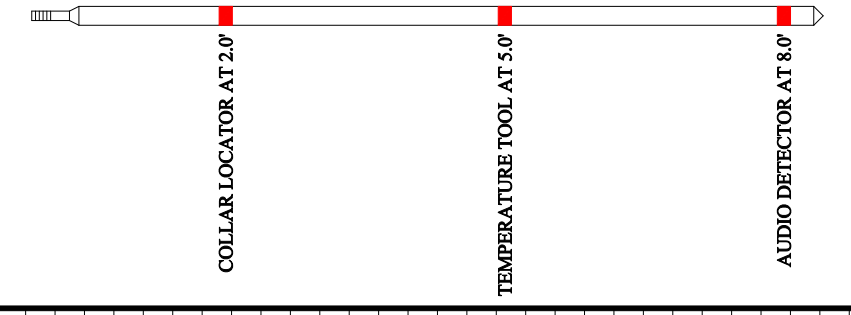
WELL ANALYSIS CORPORATION

AUDIO DETECTION SURVEY

FILING NO.	COMPANY: SOUTHERN CALIF. GAS CO. WELL: STANDARD SESON 31 FIELD: ALISO CANYON COUNTY: LOS ANGELES STATE: CALIFORNIA	
AJ	LOCATION: DISTRICT 2 API NUMBER: 0403700781 SEC: 28 TWN: 3N RNG: 16W	OTHER SVC:
	PERMANENT DATUM: GROUND LEVEL ELEV: LOG MEASURED FROM DF 10' ABOVE PERM DATUM DRILLING MEASURED FROM	-ELEVATIONS- KB: Ft. DF: Ft. GL: Ft.

DATE LOG RAN	05-26-2012	PRESSURE	FLOWING	INJECTION	SHUT-IN
RUN NUMBER	ONE	TUBING PSI		2630	
EFFECTIVE DEPTH	9130'	CASING PSI		2330	
PICKUP DEPTH	N/A	INJECTION RATE		N/A	
BOT LOGGED INT	8871'	OBSERVED RATE		N/A	
TOP LOGGED INT	7900'	R/A SOURCE		N/A	
TYPE OF INJECT	N/A	ACTIVITY		N/A	
FLUID IN WELL	GAS	HALF LIFE		N/A	
FLUID LEVEL	N/A				
WELL STATUS	STATIC			PRODUCTION DATA	
MAX TEMPERATURE	183.5 F	OIL Gr.		OIL =	
AT DEPTH	8820.0'	GAS Gr.		GAS=	
TEMPERATURE SENS	1 F/DIV.	MPP		BHP =	
LOGGING SPEED	100 FPM			WATER=	
RECORDED BY	S.MACIAS				
WITNESSED BY	N/A				
ENGINEER	A.KARGER				
DEPTH CORRELATION	PACKER				

TOOL DIAGRAM



Equipment Data

Collar Locator	1.375"
Temperature Tool	1.375"
Audio Detector	1.375"

Remarks/Survey Results

SURVEY INDICATES NO ABOVE NORMAL ACTIVITY.
02:00 PM - ON LOCATION
02:30 PM - RIG IN HOLE
02:50 PM - BEIGN SURVEY
03:30 PM - PULL OUT OF HOLE
05:00 PM - OFF LOCATION

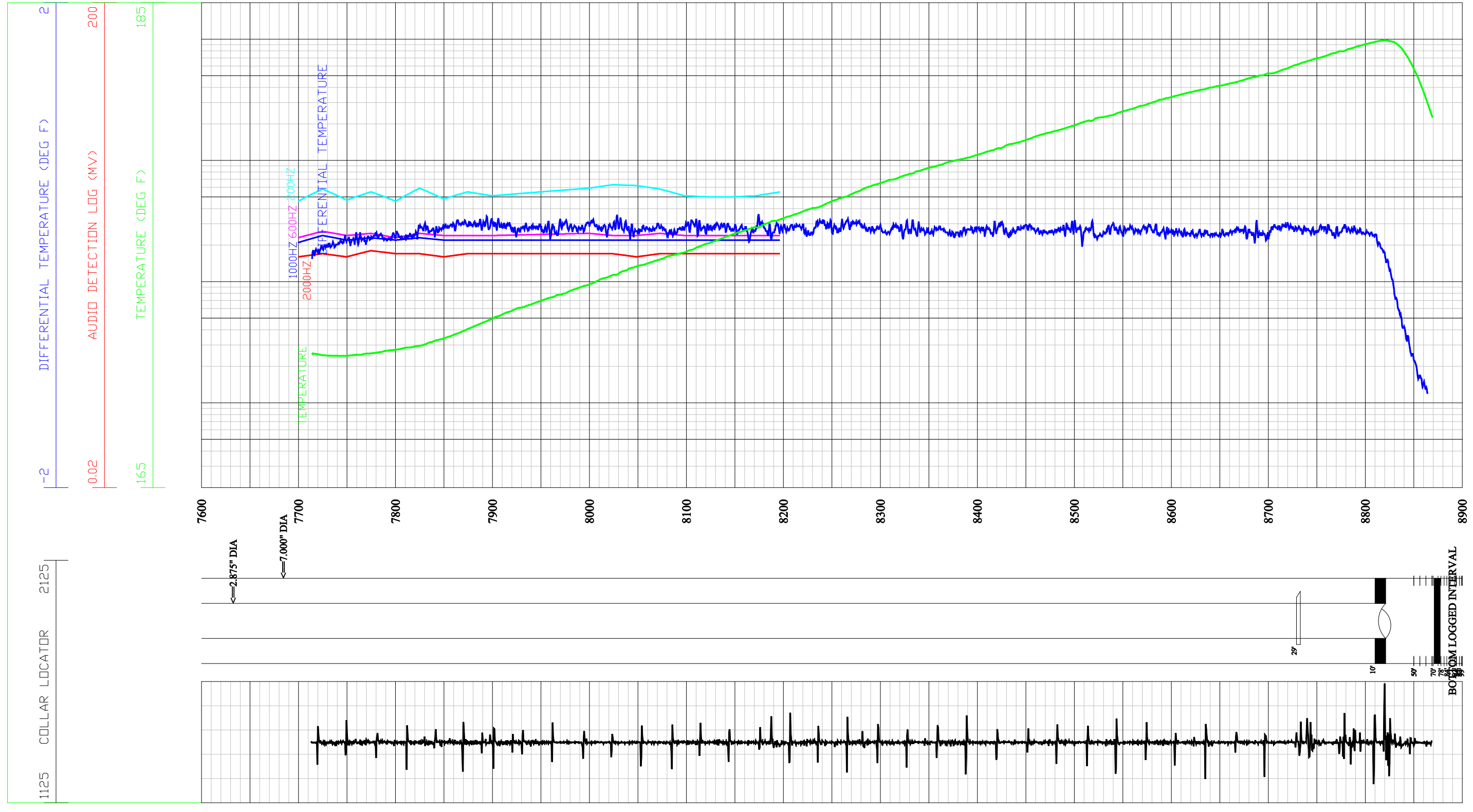
CASING AND TUBING RECORD

SIZE	WT(#)	FROM	TO	SIZE	WT(#)	FROM	TO
7.000"	23.0	SURFACE	9130'				
2.875"	6.5	SURFACE	8821'				

STR.	PIPE DIA.
A	7.000"

WSD 8849'

PERFORATIONS
8501'-8870', 8878'-8884',
8850'-8920', 8892'-8894', 8897'-8899',
8935'-8980', 8995'-9095', 9064'-9067',
9105'-9128'.
PACKERS: 8810'-8821'.
MANDRELS: 8729'-8733'.
NO-GO: 8806'.

Audio Data: C:\DATA\NOISE.txt

DEPTH	200HZ	600HZ	1000HZ	2000HZ
7700	4.60	2.30	2.10	1.60
7725	5.80	2.60	2.40	1.70
7750	4.70	2.40	2.20	1.60
7774	5.50	2.50	2.30	1.80
7800	4.60	2.30	2.20	1.70
7825	5.90	2.50	2.30	1.70
7850	4.80	2.40	2.20	1.60
7875	5.10	2.20	2.20	1.70
7900	5.40	2.40	2.20	1.70
8000	5.90	2.50	2.20	1.70
8025	6.30	2.40	2.20	1.70
8050	6.20	2.40	2.20	1.60
8075	5.80	2.50	2.20	1.70
8100	5.10	2.40	2.20	1.70
8125	5.00	2.40	2.20	1.70
8150	5.00	2.40	2.20	1.70
8175	5.10	2.40	2.20	1.70
8200	5.50	2.40	2.20	1.70