WELL ANALYSIS CORPORATION

AUDIO DETECTION SURVEY

FILING NO.	
COMPANY:	SOUTHERN CALIF. GAS CO.
WELL:	PORTER 72A
FIELD:	ALISO CANYON
COUNTY:	LOS ANGELES
STATE:	CALIFORNIA
LOCATION:	DISTRICT 1
OTHER SVC:	
API NUMBER:	040372145
SEC: 27	TWN: 3N RNG: 16W

VS

PERMANENT DATUM: GROUND LEVEL ELEV:
LOG MEASURED FROM KB 24.5' ABOVE PERM DATUM
DRILLING MEASURED FROM

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

		PRESSURE	FLOWING	INJECTION	SHUT-IN
DATE LOG RAN	03-11-2016				
RUN NUMBER	ONE	TUBING PSI			1067
EFFECTIVE DEPTH	7170'	CASING PSI			1067
PICKUP DEPTH	7155'	INJECTION RATE	N/A		
BOT LOGGED INT	7155'	OBSERVED RATE	N/A		
TOP LOGGED INT	25'	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	152.2 F.	OIL Gr.	N/A	OIL =	N/A
AT DEPTH	6774.5'	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	S. MACIAS				
WITNESSED BY	A. KARGAR				
EMAIL TO					
DEPTH CORRELATION	LINER TOP				

Equipment Data

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

TOOL DIAGRAM

COLLAR LOCATOR AT 2.0'
TEMPERATURE TOOL AT 5.0'
AUDIO DETECTOR AT 8.0'

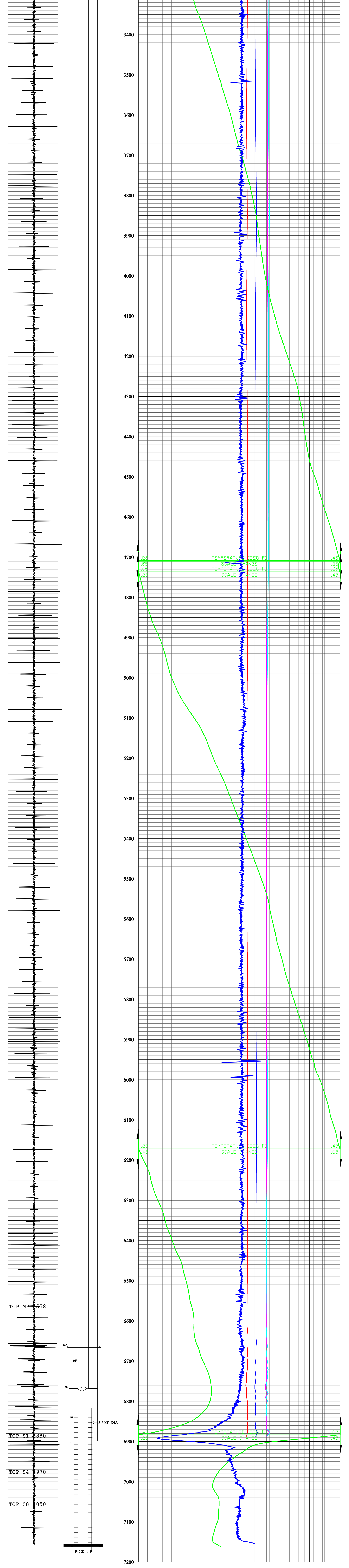
Remarks/Survey Results

10:45AM - ON LOCATION
11:10AM - RAN IN HOLE
11:10AM - BEGIN SURVEY
01:36PM - PULL OUT OF HOLE
02:00PM - OFF LOCATION
SAND TAG MARKERS: 6558' TOP MP
6880' TOP S1
6970' TOP S4
7050' TOP S8

CASING AND TUBING RECORD

SIZE	WT(#)	FROM	TO	SIZE	WT(#)	FROM	TO
13.375"	54.5	SURFACE	814'				
9.625"	47	SURFACE	6899'				
5.500"	17	6816'	7170'				
3.500"	9.3	SURFACE	6770'				

STR.	PIPE DIA.	PERFORATIONS
A	5.500"	6840'-6901', 6901'-7160'.
		PACKERS: 6766'.
		MANDRELS: 6662'.
		SLEEVES: 6701'.
		NO-GO: 6733'.
		FLAG JOINTS: 2985', 6610'.

Audio Data: c:\data\noise.txt

DEPTH	200HZ	600HZ	1000HZ	2000HZ
50	11.40	8.40	4.40	2.70
250	10.10	7.60	4.10	2.50
500	9.70	7.40	3.90	2.50
750	8.90	8.00	4.60	3.00
810	8.60	7.40	3.90	2.50
830	8.40	7.70	4.10	2.50
850	8.00	7.20	4.00	2.60
1100	9.40	8.60	4.70	2.90
1350	8.80	7.60	4.10	2.60
1600	8.70	7.40	4.20	2.80
1850	8.20	6.90	3.70	2.40
2100	8.20	7.40	4.30	2.90
2350	7.70	7.40	4.20	2.80
2600	7.60	7.30	4.20	2.80
2850	7.50	7.30	4.30	2.90
3100	7.40	7.20	4.30	2.90
3350	7.50	7.20	4.30	2.90
3600	7.60	7.40	4.20	2.80
3850	7.90	7.40	4.40	2.90
4100	7.60	7.40	4.20	2.80
4350	7.50	7.20	4.30	2.90
4600	7.70	7.40	4.30	2.90
4850	7.40	7.10	4.30	2.90
5100	7.10	6.90	4.30	3.00
5350	7.20	7.00	4.30	3.00
5600	7.10	6.90	4.30	3.00
5850	7.10	6.90	4.30	3.00
6100	7.40	7.10	4.40	2.90
6350	7.00	6.80	4.30	3.00
6600	7.00	6.90	4.30	3.00
6610	7.10	6.90	4.30	3.00
6620	7.00	6.90	4.30	3.00
6630	6.90	6.80	4.30	2.90
6640	7.00	6.90	4.30	3.00
6650	7.00	6.90	4.30	3.00
6660	7.10	6.90	4.40	3.00
6670	7.30	6.90	4.30	3.00
6680	7.10	6.90	4.30	2.90
6690	7.00	6.80	4.30	3.00
6700	7.10	6.90	4.30	3.00
6710	7.30	6.90	4.20	2.90
6720	7.10	6.90	4.30	2.90
6730	7.50	6.90	4.30	2.90
6740	7.20	7.00	4.20	2.80
6750	7.30	7.00	4.30	2.80
6760	7.10	6.90	4.20	2.80
6770	6.90	6.70	4.10	2.80
6780	6.80	6.60	4.10	2.80
6790	7.50	7.30	4.30	2.80
6800	6.90	6.70	4.20	2.80
6810	7.30	6.90	4.20	2.90
6820	7.00	6.90	4.20	2.90
6830	7.10	6.80	4.20	2.90
6840	6.90	6.90	4.30	2.90
6850	7.00	6.90	4.30	2.90
6860	7.10	6.90	4.30	3.00
6870	7.00	6.90	4.20	2.90
6880	7.00	6.90	4.20	2.90
6890	8.10	7.90	4.60	2.90
6900	7.00	6.80	4.20	2.80