WELL ANALYSIS CORPORATION

AUDIO DETECTION SURVEY

COMPANY:	SOUTHERN CALIF. GAS CO.
WELL:	PORTER 34
FIELD:	ALISO CANYON
COUNTY:	LOS ANGELES
STATE:	CALIFORNIA
LOCATION:	DISTRICT 2
OTHER SVC:	
WELL TYPE	GS
	VS
API NUMBER:	0403700721
SEC: 28	TWN: 3N RNG: 16W

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	03-28-2016	PRESSURE	FLOWING	INJECTION	SHUT-IN	
RUN NUMBER	ONE	TUBING PSI			1198	
EFFECTIVE DEPTH	7929'	CASING PSI			1198	
PICKUP DEPTH	7689'	INJECTION RATE	N/A			
BOT LOGGED INT	7689'	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	175.4 F.	OIL Gr.	N/A	OIL =	N/A	
AT DEPTH	7689.0'	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	C. BARAJAS					
WITNESSED BY	N/A					
EMAIL TO	A. KARGAR					
DEPTH CORRELATION	PACKER					

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

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SAND TAG MARKERS: 7480' TOP MP
                  7698' TOP S1
                  7782' TOP S4
                  7828' TOP S6
                  7882' TOP S8
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CASING AND TUBING RECORD

SIZE	WT(#)	FROM	TO	SIZE	WT(#)	FROM	TO
13.375"	54.5	SURFACE	520'	2.375"	4.7	SURFACE	7644'
7.000"	28	SURFACE	7760'	2.375"	4.7	7684'	7920'
5.500"	20	SURFACE	7640'				
5.000"	18	7712'	8016'				

STR.	PIPE DIA.	PERFORATIONS
A	5.000"	7742'-8016'.
	2.375"	7767'-7915'.
		PACKERS: 7640'.
		SLEEVES: 7573'.
		NO-GO: 7607'.
		J LATCH: 7640'.

Audio Data: C:\data\NOISE.txt

DEPTH	200HZ	600HZ	1000HZ	2000HZ
100	4.80	3.50	1.90	0.90
250	4.30	3.40	1.80	0.80
300	4.40	3.50	1.90	0.90
320	3.90	3.30	1.80	0.80
340	4.50	3.50	1.90	0.90
360	4.20	3.30	1.80	0.80
380	4.60	3.30	1.80	0.80
400	4.90	3.50	1.90	0.90
420	4.40	3.50	1.90	0.90
440	4.20	3.30	1.80	0.80
460	4.20	3.40	1.80	0.80
480	4.80	3.40	1.80	0.80
500	4.70	3.40	1.80	0.80
520	4.20	3.30	1.80	0.80
540	4.30	3.40	1.80	0.90
560	4.00	3.30	1.80	0.80
580	3.80	3.30	1.80	0.80
600	4.40	3.30	1.80	0.90
620	4.30	3.40	1.80	0.90
640	4.10	3.40	1.80	0.90
660	4.30	3.30	1.80	0.90
680	4.10	3.30	1.80	0.90
700	4.10	3.40	1.80	0.80
720	3.80	3.30	1.80	0.90
740	3.80	3.30	1.80	0.90
760	3.90	3.20	1.80	0.90
780	3.70	3.20	1.80	0.90
800	3.80	3.30	1.80	0.90
820	4.00	3.30	1.80	0.90
840	3.70	3.20	1.80	0.90
860	3.80	3.30	1.80	0.90
880	4.10	3.40	2.00	1.00
900	3.70	3.20	1.80	0.90
920	3.80	3.30	1.80	0.90
940	3.90	3.30	1.80	0.90
960	4.30	3.50	2.00	1.00
980	4.70	3.40	1.90	0.90
1000	4.00	3.30	1.80	0.90
1250	3.80	3.30	1.80	0.90
1500	3.60	3.20	1.80	0.90
1750	3.50	3.10	1.80	0.90
2000	4.20	3.40	2.00	1.00
2250	3.60	3.20	1.80	0.90
2500	3.50	3.20	1.80	0.90
2750	3.70	3.10	1.80	0.90
3000	3.50	3.20	1.80	0.90
3250	3.60	3.30	2.00	1.00
3500	3.90	3.40	2.00	1.00
3750	4.40	3.40	2.10	1.00
4000	3.50	3.20	1.80	0.90
4250	3.60	3.10	1.80	0.90
4500	3.60	3.20	1.80	0.90
4750	3.60	3.20	1.80	0.90
5000	3.60	3.20	1.80	0.90
5250	3.50	3.10	1.80	1.00
5500	3.40	3.10	1.80	0.90
5750	3.50	3.20	2.00	1.10
6000	3.70	3.20	1.90	1.00
6250	3.70	3.40	2.10	1.20
6500	3.30	3.00	1.80	1.00
6750	3.30	3.10	1.80	1.00
7000	3.30	3.10	1.80	1.00
7250	3.30	3.00	1.80	1.00
7450	3.30	3.00	1.80	1.00
7460	3.30	3.00	1.80	1.00
7470	3.30	3.10	1.80	1.00
7480	3.30	3.00	1.80	1.00
7490	3.30	3.00	1.80	1.00
7500	3.30	3.10	1.80	1.00
7510	3.30	3.00	1.80	1.00
7520	3.30	3.00	1.80	1.00
7530	3.30	3.00	1.80	1.00
7540	3.50	3.00	1.80	1.00
7550	3.40	3.10	1.80	1.00
7560	3.40	3.00	1.80	1.00
7570	3.40	3.10	1.80	1.00
7580	3.40	3.00	1.80	1.00
7590	3.40	3.00	1.80	1.00
7600	3.30	3.00	1.80	1.00
7610	3.30	3.80	1.80	1.00
7620	3.30	3.00	1.80	1.00
7630	3.40	3.00	1.80	1.00
7640	3.40	3.00	1.80	1.00
7650	3.30	3.00	1.70	1.00
7660	3.30	3.00	1.80	1.00
7670	3.30	3.00	1.70	1.00
7680	3.40	3.00	1.70	1.00
7689	3.30	3.00	1.70	0.90