WELL ANALYSIS CORPORATION

AUDIO DETECTION SURVEY

COMPANY:	SOUTHERN CALIF. GAS CO.		
WELL:	PORTER 44		
FIELD:	ALISO CANYON		
COUNTY:	LOS ANGELES	STATE:	CALIFORNIA
LOCATION:	DISTRICT 2	OTHER SVC:	
WELL TYPE	GS		
API NUMBER: 0403700731			
SEC: 28	TWN: 3N	RNG: 16W	
VS			

PERMANENT DATUM: GROUND LEVEL ELEV:
LOG MEASURED FROM KB 18' ABOVE PERM DATUM
DRILLING MEASURED FROM

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

DATE LOG RAN	04-19-2016	PRESSURE	FLOWING	INJECTION	SHUT-IN
RUN NUMBER	ONE	TUBING PSI			1300
EFFECTIVE DEPTH	8042'	CASING PSI			1100
PICKUP DEPTH	8017'	INJECTION RATE		N/A	
BOT LOGGED INT	8017'	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	179.0 F.	OIL Gr.	N/A	OIL =	N/A
AT DEPTH	8017.0'	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"		

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

Remarks/Survey Results

07:00AM - ON LOCATION
07:15AM - RAN IN HOLE
07:20AM - BEGIN SURVEY
10:45AM - PULL OUT OF HOLE
11:00AM - OFF LOCATION
SAND TAG MARKERS: 7814' TOP S4
7916' TOP S8

CASING AND TUBING RECORD

SIZE	WT(#)	FROM	TO	SIZE	WT(#)	FROM	TO
11.750"	42	SURFACE	530'				
7.000"	26	SURFACE	7805'				
5.000"	15.5	7636'	8042'				
2.875"	6.5	SURFACE	7613.7'				

STR.	PIPE DIA.	PERFORATIONS
A	5.000"	SLOTTED: 7802'-8042'.
		CASING PATCH: 3971.8'-4032', 7598.7'-7620.'.
		PACKERS: 7605.9'-7613.3'.
		SLEEVES: 7561.5'-7564.5'.
		NO-GO: 7594.7'.

Audio Data: C:\data\NOISE.txt

DEPTH	200HZ	600HZ	1000HZ	2000HZ	COMMENTS
100	13.90	6.40	3.70	0.80	
250	13.50	6.40	3.70	0.80	
400	13.70	6.40	3.70	0.80	
420	13.40	6.40	3.70	0.80	
440	13.40	6.40	3.70	0.80	
460	13.30	6.40	3.80	0.80	
480	13.40	6.40	3.80	0.90	
500	13.50	6.40	3.70	0.80	
520	13.30	6.40	3.70	0.80	
540	13.40	6.50	3.80	0.80	
560	13.40	6.40	3.70	0.80	
580	13.30	6.40	3.70	0.80	
600	13.40	6.40	3.70	0.70	
620	13.50	6.40	3.70	0.70	
640	13.50	6.40	3.70	0.70	
660	13.60	6.40	3.70	0.80	
680	13.40	6.50	3.80	0.70	
700	13.50	6.50	3.80	0.70	
720	13.50	6.50	3.70	0.80	
740	13.40	6.50	3.80	0.80	
760	13.50	6.40	3.70	0.80	
780	13.50	6.40	3.70	0.70	
800	13.40	6.40	3.70	0.70	
820	13.50	6.50	3.80	0.80	
840	13.40	6.40	3.70	0.70	
860	13.40	6.40	3.70	0.70	
1000	13.10	6.30	3.70	0.80	
1220	13.00	6.30	3.70	0.90	
1240	13.00	6.30	3.70	0.90	
1260	13.10	6.30	3.70	0.90	
1280	13.10	6.40	3.70	0.90	
1300	13.00	6.30	3.70	0.80	
1320	12.90	6.30	3.70	0.90	
1340	13.00	6.30	3.70	0.90	
1360	12.90	6.30	3.70	0.90	
1380	12.90	6.30	3.80	0.90	
1400	12.90	6.30	3.70	0.90	
1420	12.80	6.30	3.70	0.90	
1440	12.80	6.30	3.70	0.90	
1460	13.00	6.30	3.70	0.90	
1480	12.90	6.30	3.70	0.80	
1500	12.90	6.30	3.70	0.90	
1520	13.10	6.30	3.70	0.90	
1540	13.00	6.30	3.70	0.90	
1560	13.10	6.40	3.80	0.90	
1580	13.10	6.40	3.80	0.90	
1600	13.00	6.30	3.70	0.80	
1620	12.90	6.20	3.70	0.90	
1640	13.00	6.30	3.70	1.00	
1660	12.90	6.30	3.70	1.00	
1680	12.90	6.20	3.70	0.90	
1700	12.70	6.20	3.70	1.00	
1720	12.80	6.30	3.70	1.00	
1740	12.80	6.30	3.70	1.00	
2000	12.70	6.20	3.70	1.00	
2250	12.90	6.30	3.70	0.80	
2500	12.90	6.30	3.70	0.80	
2750	12.80	6.30	3.70	0.80	
3000	12.80	6.30	3.70	0.80	
3250	12.90	6.40	3.70	0.80	
3500	12.60	6.30	3.80	0.80	
3750	12.50	6.40	3.90	1.00	
3900	12.50	6.30	3.80	0.90	
3920	12.60	6.30	3.70	0.90	
3940	12.70	6.30	3.80	0.80	
3960	12.70	6.30	3.80	0.90	
3980	12.60	6.30	3.80	0.90	
4000	12.50	6.30	3.80	0.80	
4020	12.40	6.40	3.80	0.90	
4040	12.40	6.30	3.80	0.90	
4060	12.50	6.30	3.80	0.80	
4080	12.50	6.30	3.80	0.80	
4100	12.40	6.30	3.80	0.90	
4120	12.40	6.30	3.80	0.90	
4140	12.50	6.30	3.80	0.90	
4160	12.40	6.30	3.80	0.90	
4180	12.60	6.30	3.80	0.90	
4200	12.40	6.30	3.80	0.80	
4220	12.40	6.30	3.70	0.80	
4240	12.50	6.30	3.80	0.90	
4260	12.50	6.30	3.80	0.90	
4280	12.30	6.30	3.80	0.90	
4300	12.30	6.30	3.90	0.90	
4320	12.30	6.40	3.90	0.90	
4340	12.20	6.30	3.80	0.90	
4360	12.30	6.40	3.90	1.00	
4380	12.10	6.30	3.80	0.90	
4400	12.20	6.30	3.80	0.90	
4750	12.10	6.30	3.80	0.90	
5000	12.10	6.30	3.80	0.90	
5250	11.90	6.30	3.80	0.90	
5440	12.00	6.20	3.80	0.90	
5460	11.90	6.20	3.80	0.90	
5480	11.90	6.30	3.80	0.90	
5500	11.90	6.20	3.80	0.90	
5520	11.90	6.30	3.80	0.90	
5540	12.00	6.40	4.00	1.20	
5560	11.90	6.20	3.80	0.90	
5580	11.90	6.30	3.80	1.00	
5750	12.00	6.30	3.80	0.90	
6000	11.90	6.30	3.80	0.90	
6250	12.00	6.30	3.80	1.00	
6500	11.90	6.30	3.80	0.90	
6640	12.00	6.30	3.90	1.00	
6660	12.00	6.30	4.00	1.10	
6680	11.90	6.30	3.80	0.90	
6700	12.00	6.30	3.80	0.90	
6720	12.10	6.30	3.80	1.00	
6740	12.20	6.30	3.90	1.00	
6760	12.20	6.30	3.90	1.00	
6780	12.40	6.50	3.90	1.00	
7000	12.70	6.40	3.90	1.10	
7200	13.60	6.70	4.30	1.60	
7450	14.40	6.50	4.00	1.30	
7470	14.20	6.50	4.00	1.20	
7480	13.50	6.50	4.00	1.20	
7490	14.30	6.60	4.00	1.20	
7500	14.20	6.50	4.00	1.10	
7510	14.20	6.50	4.00	1.20	
7520	14.60	6.50	4.00	1.20	
7530	13.90	6.60	4.00	1.20	
7540	13.50	6.50	4.00	1.20	
7550	14.10	6.50	4.00	1.20	
7560	14.60	6.60	4.10	1.20	
7570	17.20	7.20	4.60	1.80	
7580	18.90	7.20	4.70	2.00	
7590	18.70	7.80	5.20	2.20	
7600	16.80	8.00	5.40	2.70	
7610	19.80	9.10	6.40	2.90	
7620	24.90	10.10	7.40	4.20	WATER.
7630	11.30	6.40	3.90	1.10	
7640	11.40	6.40	3.80	1.00	
7650	11.50	6.50	3.90	1.00	
7660	11.40	6.50	3.80	1.00	
7670	11.30	6.40	3.70	0.90	
7680	11.30	6.40	3.80	0.90	
7690	11.30	6.50	3.80	0.90	
7700	11.50	6.50	3.80	0.90	
7710	11.30	6.50	3.80	1.00	
7720	11.40	6.60	3.90	1.10	
7730	11.30	6.50	3.80	1.00	
7740	11.20	6.50	3.80	0.90	
7750	11.40	6.60	3.80	1.00	
7760	11.20	6.50	3.80	0.90	
7770	11.20	6.50	3.80	0.90	
7780	11.30	6.50	3.80	1.00	
7790	11.20	6.60	3.80	1.00	
7800	11.20	6.60	3.80	1.00	
7810	11.20	6.60	3.80	1.00	
7820	11.00	6.60	3.80	1.00	
7830	10.90	6.50	3.80	1.00	
7840	10.90	6.60	3.80	1.00	
7850	11.70	6.70	4.00	1.10	
7900	10.90	6.60	3.80	1.00	
8017	12.00	6.90	3.90	1.00	

1235 COLLAR LOCATOR [MV] 1435
60 TEMPERATURE [DEG F] 80
0.02 AUDIO DETECTION LOG [MV] 200
-2 DIFFERENTIAL TEMPERATURE [DEG F] 2