WELL ANALYSIS CORPORATION

AUDIO DETECTION SURVEY

FILING NO.	COMPANY: SOUTHERN CALIF. GAS CO.	
	WELL: PORTER 42B	
	FIELD: ALISO CANYON	
	COUNTY: LOS ANGELES	STATE: CALIFORNIA
	LOCATION:	OTHER SVC:
	DISTRICT 2	
AL	API NUMBER: 0403721877	
	SEC: N/A TWN: N/A RNG: N/A	

PERMANENT DATUM: GROUND LEVEL ELEV: 1963'
LOG MEASURED FROM KB 22' ABOVE PERM DATUM
DRILLING MEASURED FROM

-ELEVATIONS-
KB: 1985 Ft.
DF: Ft.
GL: 1963 Ft.

			PRESSURE	FLOWING	INJECTION	SHUT-IN
DATE LOG RAN	03-31-2016					
RUN NUMBER	ONE		TUBING PSI			1284
EFFECTIVE DEPTH	7823'		CASING PSI			1284
PICKUP DEPTH	7718'		INJECTION RATE	N/A		
BOT LOGGED INT	7718'		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	158.3 F.	OIL Gr.	OIL =			
AT DEPTH	7718.0'	GAS Gr.	GAS=			
TEMPERATURE SENS	1 F/DIV.	MPP	BHP =			
LOGGING SPEED	100 FPM		WATER=			
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

PLEASE NOTE: FOUND PACKER @ 7198'-7205'
09:15 AM - ON LOCATION
09:30 AM - RAN IN HOLE
09:35 AM - BEGIN SURVEY
01:00 PM - PULLED OUT OF HOLE
01:30 OFF LOCATION
SAND TAG MARKERS: 7330' M-P
7324' S-1
7500' S-4
7685' S-8

CASING AND TUBING RECORD

SIZE	WT(#)	FROM	TO	SIZE	WT(#)	FROM	TO
13.375"	54.5	SURFACE	1020'				
8.625"	36	SURFACE	7598'				
5.500"	17	7431'	7823'				
3.500"	9.3	SURFACE	7359.08'				

STR.	PIPE DIA.	PERFORATIONS
A	5.500"	7587'-7822'.
		PACKERS: 7198'-7205'.
		SLIDING SLEEVES: 7296.4'-7299.85'.
		NO-GO: 7299.9', 7358.59'.

Audio Data: C:\DATA\NOISE.txt

DEPTH	200HZ	600HZ	1000HZ	2000HZ
99	9.00	5.70	3.90	2.50
250	9.00	5.70	3.90	2.50
500	9.00	5.70	3.80	2.30
750	9.00	5.60	3.80	2.40
900	8.90	5.60	3.80	2.40
920	8.70	5.60	3.80	2.40
940	8.70	5.60	3.80	2.40
960	8.70	5.60	3.80	2.40
980	8.60	5.60	3.90	2.40
1000	8.70	5.60	3.80	2.40
1020	8.80	5.60	3.80	2.40
1039	8.70	5.60	3.80	2.40
1060	8.80	5.60	3.80	2.40
1080	8.90	5.60	3.80	2.40
1100	9.00	5.60	3.80	2.40
1250	8.90	5.80	4.10	2.60
1500	8.80	5.60	3.80	2.50
1750	8.80	5.60	3.80	2.40
1999	8.90	5.50	3.70	2.40
2248	8.90	5.60	3.80	2.40
2498	8.90	5.50	3.70	2.30
2749	8.80	5.50	3.80	2.40
3000	9.10	5.50	3.70	2.30
3250	9.10	5.50	3.80	2.40
3499	9.00	5.50	3.70	2.30
3750	9.90	5.50	3.70	2.40
4000	9.80	5.50	3.80	2.40
4250	10.00	5.50	3.90	2.60
4500	10.20	5.50	3.80	2.40
4749	10.10	5.70	4.10	2.80
4999	9.70	5.90	3.70	2.40
5248	10.60	6.20	3.80	2.40
5499	11.40	6.30	3.70	2.40
5750	13.20	6.90	4.00	2.60
6000	14.90	8.20	4.60	2.80
6250	16.50	11.00	6.90	4.10
6499	17.50	12.60	7.80	4.20
6750	22.10	17.30	13.30	9.40
6900	24.80	20.30	16.30	12.10
6910	26.20	22.00	18.10	13.30
6920	26.00	21.50	18.00	13.40
6935	26.50	22.50	18.90	14.50
6940	25.80	21.50	17.80	13.50
6950	26.10	21.60	17.60	13.20
6959	27.70	22.90	18.80	14.70
6970	27.80	23.10	19.10	14.40
6980	27.30	22.80	18.90	14.40
6990	28.40	24.30	20.40	15.80
7000	28.30	23.10	19.50	15.00
7010	29.00	25.00	21.40	17.80
7019	28.40	24.50	20.70	16.40
7030	29.90	26.80	23.60	19.50
7039	39.20	36.90	34.70	31.80
7050	42.10	39.40	36.30	31.60
7059	35.00	30.90	27.60	22.60
7070	36.30	32.60	29.20	25.30
7080	59.60	46.50	39.20	33.80
7090	56.80	45.10	40.60	36.40
7100	56.60	45.60	40.40	35.20
7110	54.50	44.40	38.50	33.00
7120	64.60	51.90	46.80	42.30
7130	60.10	48.30	43.00	38.40
7140	62.60	49.60	44.30	40.00
7150	66.50	54.30	48.80	43.90
7160	58.40	51.00	48.00	44.90
7169	64.20	59.70	58.10	56.40
7180	63.60	58.90	57.30	54.80
7190	69.90	65.80	64.40	62.60
7199	90.50	83.30	81.30	78.10
7210	199.30	193.40	189.00	182.10
7220	293.70	289.80	273.70	215.80
7228	267.50	262.20	256.20	207.30
7240	326.60	321.80	314.40	250.90
7250	274.90	268.90	259.70	207.10
7260	201.70	194.30	190.00	172.20
7270	171.30	162.60	159.00	135.30
7280	192.50	184.40	176.40	144.20
7289	211.30	202.80	194.10	175.60
7300	187.50	178.70	171.60	151.20
7310	196.20	188.40	181.40	145.40
7320	162.20	152.20	141.20	114.30
7330	187.40	179.50	172.90	146.90
7340	163.00	153.60	148.90	119.80
7350	182.00	173.10	165.00	136.90
7360	168.10	158.80	152.40	118.70
7369	181.10	172.00	164.60	135.60
7380	173.30	162.80	156.30	115.90
7389	183.20	176.10	169.80	127.40
7399	183.90	174.70	169.10	134.00
7410	154.60	143.00	136.80	114.10
7420	160.80	148.50	141.80	123.60
7430	156.20	144.80	141.40	128.40
7440	113.80	108.10	103.10	88.40
7450	106.50	94.80	91.00	74.80
7460	101.90	94.10	89.40	78.40
7470	101.40	95.90	92.30	74.40
7480	84.60	74.90	71.20	58.80
7490	92.90	85.30	80.00	63.10
7500	96.70	89.40	84.80	71.50
7509	92.90	84.30	80.30	68.10
7520	85.10	75.40	71.40	57.80
7530	85.10	76.30	71.90	56.90
7540	80.80	71.20	66.60	54.30
7550	91.20	78.80	71.90	58.30
7560	53.50	42.80	37.60	26.80
7570	44.50	26.80	23.20	16.50
7580	35.90	22.20	18.80	9.20
7590	45.90	33.20	28.00	17.80
7599	32.70	23.80	19.90	9.30
7650	12.60	5.60	3.60	2.40
7699	8.30	5.50	3.70	2.60
7750	6.90	5.30	3.50	2.30

1460 CCL 2125
70 TEMPERATURE (DEG F) 90
0.2 AUDIO DETECTION LOG (MV) 2000
-1 DIFFERENTIAL 2