WELL ANALYSIS CORPORATION

AUDIO DETECTION SURVEY

WELL TYPE	GS
COMPANY:	SOUTHERN CALIF. GAS CO.
WELL:	STANDARD SESNON 3
FIELD:	ALISO CANYON
COUNTY:	LOS ANGELES
STATE:	CALIFORNIA
LOCATION: DISTRICT 2	
OTHER SVC:	
API NUMBER:	0403700756
SEC: 28	TWN: 3N RNG: 16W
BFW	

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	06-09-2016	PRESSURE	FLOWING	INJECTION	SHUT-IN
RUN NUMBER	ONE	TUBING PSI			0
EFFECTIVE DEPTH	9196'	CASING PSI			0
PICKUP DEPTH	8628'	INJECTION RATE		N/A	
BOT LOGGED INT	8628'	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	181.6 F.	OIL Gr.	N/A	OIL =	N/A
AT DEPTH	8628.0'	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	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

07:00AM - ON LOCATION
07:30AM - RAN IN HOLE
07:35AM - BEGIN SURVEY
11:00AM - PULL OUT OF HOLE
11:30AM - OFF LOCATION

SAND TAG MARKERS: 8478' TOP MP
8694' TOP S1
8763' TOP S4
8872' TOP S6

CASING AND TUBING RECORD

SIZE	WT(#)	FROM	TO	SIZE	WT(#)	FROM	TO
13.375"	55	SURFACE	539'	2.875"	6.4	SURFACE	8630'
9.625"	43.5	SURFACE	6065'				
7.000"	29	SURFACE	8725'				
3.500"	9.3	8665'	9196'				

STR.	PIPE DIA.	PERFORATIONS
A	3.500"	8734'-9196'.
		PACKERS: 8605'-8609'.
		GAS LIFT MANDRELS: 8529'-8534'.
		SLIDING SLEEVES: 8570'-8575', 8615'-8620'.
		NO-GO: 8629'.

Audio Data: C:\data\NOISE.txt

DEPTH	200HZ	600HZ	1000HZ	2000HZ
100	20.50	6.00	2.40	0.90
250	20.20	5.90	2.40	0.90
400	20.30	6.00	2.40	1.00
420	20.00	6.00	2.40	0.90
440	20.30	6.00	2.40	1.00
460	20.10	5.90	2.40	0.90
480	19.90	5.90	2.40	0.90
500	19.90	5.90	2.40	0.90
520	20.10	6.00	2.40	0.90
540	20.00	5.90	2.40	0.90
560	20.10	5.90	2.40	0.90
580	20.00	5.90	2.40	0.90
600	20.10	5.90	2.40	0.90
750	20.00	5.90	2.30	0.90
1000	19.80	5.90	2.40	0.90
1250	19.70	5.80	2.30	0.90
1500	19.50	5.80	2.40	0.90
1750	19.70	5.80	2.40	0.90
2000	19.70	5.80	2.40	0.90
2250	19.20	5.80	2.30	0.90
2500	19.30	5.80	2.40	0.90
2750	19.30	5.80	2.40	0.90
3000	19.10	5.80	2.40	0.90
3250	19.20	5.80	2.30	0.90
3500	19.10	5.70	2.40	0.90
3750	19.10	5.80	2.40	1.00
4000	19.00	5.80	2.40	0.90
4250	18.80	5.70	2.40	0.90
4500	18.70	5.70	2.40	1.00
4750	18.80	5.60	2.30	1.00
5000	18.70	5.80	2.40	1.00
5250	18.50	5.60	2.30	1.00
5500	18.40	5.60	2.30	1.00
5750	18.40	5.60	2.40	1.00
6000	18.10	5.60	2.40	1.00
6020	18.30	5.60	2.40	1.00
6040	18.20	5.60	2.40	1.00
6060	18.30	5.60	2.30	1.00
6080	18.10	5.50	2.30	1.00
6100	18.00	5.60	2.30	1.00
6250	18.10	5.60	2.40	1.00
6500	18.00	5.60	2.40	1.00
6750	18.00	5.60	2.40	1.00
7000	18.00	5.50	2.40	1.00
7250	18.20	5.60	2.40	1.00
7500	17.50	5.50	2.40	1.00
7750	17.60	5.40	2.40	1.00
8000	17.40	5.40	2.40	1.00
8250	17.50	5.40	2.40	1.00
8350	17.20	5.30	2.40	1.00
8360	17.40	5.40	2.40	1.00
8370	17.40	5.30	2.40	1.00
8380	17.40	5.30	2.40	1.00
8390	17.10	5.30	2.40	1.00
8400	17.20	5.30	2.40	1.00
8410	17.20	5.30	2.40	1.00
8420	17.10	5.30	2.40	1.00
8430	17.00	5.30	2.40	1.00
8440	17.10	5.30	2.40	1.00
8450	17.30	5.30	2.50	1.00
8460	17.20	5.30	2.40	1.00
8470	17.10	5.30	2.40	1.00
8480	17.10	5.20	2.40	1.00
8490	17.00	5.20	2.40	1.00
8500	17.00	5.20	2.40	1.00
8510	16.80	5.20	2.40	1.10
8520	16.90	5.30	2.50	1.00
8530	16.80	5.20	2.50	1.00
8540	16.80	5.20	2.40	1.00
8550	16.80	5.20	2.50	1.00
8560	16.60	5.20	2.50	1.00
8570	16.90	5.20	2.50	1.00
8580	16.90	5.20	2.50	1.00
8590	16.90	5.10	2.50	1.00
8600	16.60	5.10	2.50	1.10
8610	16.70	5.10	2.50	1.10
8620	16.60	5.10	2.50	1.00
8628	14.00	4.20	2.10	0.80