WELL ANALYSIS CORPORATION

AUDIO DETECTION SURVEY

COMPANY:	SOUTHERN CALIF. GAS CO.
WELL:	STANDARD SESNON 2
FIELD:	ALISO CANYON
COUNTY:	LOS ANGELES
STATE:	CALIFORNIA
WELL TYPE	GS
LOCATION:	DISTRICT 2
OTHER SVC:	CB
API NUMBER:	0403700755
SEC: 28	TWN: 3N RNG: 16W

PERMANENT DATUM: GROUND LEVEL ELEV: 2880.00 FT.
LOG MEASURED FROM KB 7' ABOVE PERM DATUM
DRILLING MEASURED FROM

-ELEVATIONS-
KB: 2887.00 Ft.
DF: Ft.
GL: 2880.00 Ft.

			PRESSURE	FLOWING	INJECTION	SHUT-IN
DATE LOG RAN	06-07-2016					
RUN NUMBER	ONE		TUBING PSI			0
EFFECTIVE DEPTH	8808'		CASING PSI			0
PICKUP DEPTH	8490'		INJECTION RATE		N/A	
BOT LOGGED INT	8490'		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	168.9 F.		OIL Gr.	OIL =		
AT DEPTH	8401.5'		GAS Gr.	GAS=		
TEMPERATURE SENS	1 F/DIV.		MPP	BHP =		
LOGGING SPEED	100 FPM			WATER=		
RECORDED BY	C. BARAJAS					
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

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SAND TAG MARKERS: 8270' TOP MP
                  8458' TOP S1
                  8552' TOP S4
                  8648' TOP S8
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CASING AND TUBING RECORD

SIZE	WT(#)	FROM	TO	SIZE	WT(#)	FROM	TO
13.375"	54.5	SURFACE	510'	2.375"	4.7	7464'	8504'
7.000"	28.0	SURFACE	7678'				
5.000"	18.0	7557'	8803'				
2.875"	6.5	SURFACE	7464'				

STR.	PIPE DIA.	PERFORATIONS
A	5.000"	8455'-8456', 8500'-8558', 8540'-8541', 8550'-8558', 8575'-8617', 8643'-8644', 8655'-8790'.
		PACKERS: 8500'-8504'.
		GAS LIFT MANDRELS: 8268'-8272'.
		SLIDING SLEEVES: 8393'-8399'.
		NO-GO: 8467'.

Audio Data: C:\data\NOISE.txt

DEPTH	200HZ	600HZ	1000HZ	2000HZ
100	22.40	6.00	2.50	1.00
120	21.90	5.80	2.50	1.00
140	24.40	5.90	2.50	1.00
160	24.90	6.10	2.60	1.10
180	23.80	5.90	2.40	1.00
200	28.00	6.00	2.40	1.00
220	21.00	5.70	2.40	1.00
240	23.20	5.80	2.40	1.00
260	24.40	5.70	2.40	1.00
280	23.70	5.80	2.40	1.00
300	24.90	5.90	2.40	1.00
320	25.80	5.90	2.40	1.00
340	22.30	5.80	2.50	1.00
360	22.00	5.80	2.50	1.10
380	24.80	5.70	2.40	1.00
400	24.70	5.70	2.40	1.00
420	23.60	5.70	2.40	1.00
441	25.60	5.80	2.40	1.00
460	21.70	5.80	2.50	1.10
479	22.80	5.70	2.40	1.00
500	23.60	5.70	2.40	1.00
520	23.60	5.70	2.40	1.00
540	23.00	5.60	2.40	1.00
560	23.70	5.70	2.40	1.00
580	23.60	5.70	2.40	1.00
600	22.50	5.70	2.40	1.00
620	20.80	5.60	2.40	1.00
640	23.20	5.60	2.40	1.00
661	24.70	5.70	2.40	1.00
680	23.20	5.70	2.40	1.00
700	22.40	5.70	2.40	1.00
720	23.10	5.70	2.50	1.00
740	20.80	5.60	2.40	1.00
761	22.70	5.90	2.60	1.10
780	22.30	6.00	2.70	1.20
800	22.10	5.70	2.50	1.00
820	25.90	5.70	2.40	1.00
840	22.20	5.60	2.40	1.00
860	21.10	5.60	2.40	1.00
880	22.60	5.60	2.40	1.00
900	20.90	5.70	2.50	1.00
920	23.90	5.60	2.40	1.00
940	22.10	6.20	2.90	1.30
960	21.10	5.70	2.50	1.00
1000	22.30	5.70	2.40	1.00
1250	21.30	5.60	2.40	1.00
1500	22.60	5.90	2.80	1.30
1750	22.20	5.70	2.50	1.10
2000	19.50	5.60	2.50	1.00
2250	19.40	5.50	2.40	1.00
2500	19.30	5.50	2.40	1.00
2750	19.00	5.50	2.40	1.00
3000	19.00	5.50	2.50	1.00
3250	18.90	5.50	2.40	1.00
3500	18.70	5.50	2.40	1.00
3750	18.50	5.50	2.40	1.00
4000	18.10	5.40	2.40	1.00
4250	18.20	5.50	2.40	1.00
4500	17.90	5.40	2.40	1.00
4750	17.90	5.50	2.40	1.00
5000	17.90	5.50	2.50	1.00
5250	17.80	5.50	2.50	1.10
5500	17.80	5.50	2.40	1.00
5750	17.40	5.40	2.40	1.00
6000	17.60	5.40	2.50	1.10
6250	17.40	5.40	2.40	1.00
6500	17.70	5.50	2.60	1.10
6750	17.60	5.50	2.60	1.10
7000	17.30	5.50	2.60	1.10
7250	17.20	5.30	2.50	1.10
7500	17.40	5.60	2.70	1.20
7750	16.90	5.40	2.60	1.10
8000	16.60	5.20	2.50	1.10
8101	16.90	5.30	2.50	1.10
8120	16.60	5.30	2.60	1.10
8140	16.70	5.30	2.60	1.10
8160	16.50	5.20	2.50	1.10
8180	16.70	5.20	2.50	1.10
8200	16.50	5.20	2.50	1.10
8220	16.50	5.10	2.40	1.00
8240	16.60	5.10	2.40	1.00
8260	16.30	5.10	2.50	1.00
8280	16.40	5.10	2.40	1.00
8300	16.60	5.10	2.40	1.00
8310	16.40	5.10	2.40	1.00
8320	16.40	5.10	2.50	1.10
8330	16.30	5.10	2.40	1.00
8340	16.30	5.00	2.40	1.00
8350	16.40	5.10	2.40	1.00
8360	16.40	5.10	2.40	1.00
8370	16.40	5.10	2.40	1.00
8380	15.90	5.00	2.40	1.00
8390	16.50	5.20	2.50	1.10
8400	16.50	5.00	2.40	1.00
8410	16.20	4.90	2.40	1.00
8420	16.10	4.90	2.40	1.00
8430	16.50	5.00	2.40	1.00
8440	16.10	4.90	2.40	1.00
8450	16.40	4.90	2.40	1.00
8460	16.00	4.90	2.40	1.00
8470	16.20	4.90	2.30	1.00
8480	16.20	4.90	2.40	1.00
8490	16.10	4.80	2.40	1.00