WELL ANALYSIS CORPORATION

AUDIO DETECTION SURVEY

WELL TYPE:	GS
COMPANY:	SOUTHERN CALIF. GAS CO.
WELL:	STANDARD SESNON 29
FIELD:	ALISO CANYON
COUNTY:	LOS ANGELES
STATE:	CALIFORNIA
LOCATION:	DISTRICT 2
OTHER SVC:	
API NUMBER:	0403700041
SEC: 28 TWN: 3N RNG: 16W	
AJ	

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	9074' [FISH]	CASING PSI			0
PICKUP DEPTH	8002'	INJECTION RATE		N/A	
BOT LOGGED INT	8002'	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	167.2 F	OIL Gr.		OIL =	
AT DEPTH	7989.5'	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	MANDREL				

Time/Events			Equipment Data	
On Location	10:45pm		Collar Locator	1.375"
Ran In Hole	11:00am		Temperature Tool	1.375"
Begin Survey	11:05am		Audio Detector	1.375"
Pull Out Of Hole	02:30pm			
Off Location	03:00pm			

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

Remarks/Survey Results

SAND TAG MARKERS: 8150' BOT MP
8346' TOP S1
8428' TOP S4
8452' TOP S6
8522' TOP S8
8728' TOP FREW

CASING AND TUBING RECORD

SIZE	WT(#)	FROM	TO	SIZE	WT(#)	FROM	TO
11.75"	42	SURFACE	1042'	2.875"	6.5	8029'	8035'
7.000"	23	SURFACE	8170'				
5.000"	18	8075'	9077'				
3.500"	9.3	SURFACE	8029'				

STR.	PIPE DIA.	PERFORATIONS
A	5.000"	SQUEEZED: 8330'-8331', 8428'-8820', SLOTTED: 8727'-9077'.
		PACKERS: 8032'-8037'.
		GAS LIFT MANDRELS: 7923'-7928'.
		SLIDING SLEEVES: 7962'-7967'.
		NO-GO: 7999'.
		CROSSOVER: 8029'.

Audio Data: C:\data\NOISE.txt

DEPTH	200HZ	600HZ	1000HZ	2000HZ
100	28.00	6.20	2.60	1.00
250	24.40	6.10	2.50	1.10
500	23.10	6.10	2.60	1.10
750	22.50	6.10	2.50	1.00
1000	20.30	6.00	2.40	1.00
1020	20.30	6.00	2.40	0.90
1040	20.50	6.10	2.50	1.00
1060	20.50	6.00	2.40	1.00
1080	20.50	6.00	2.40	1.00
1200	20.50	6.10	2.50	1.00
1250	20.30	6.10	2.50	1.00
1500	20.10	6.00	2.50	1.00
1750	20.10	6.00	2.40	1.00
2000	20.10	6.00	2.50	1.00
2250	20.00	6.00	2.40	1.00
2500	19.90	6.00	2.40	1.00
2750	19.80	6.00	2.50	1.00
3000	19.60	5.90	2.40	1.00
3250	19.50	6.00	2.50	1.00
3500	19.40	5.90	2.40	1.00
3750	19.40	5.90	2.40	1.00
4000	19.40	5.90	2.40	1.00
4250	19.30	5.90	2.40	1.00
4500	19.30	5.90	2.40	1.00
4750	19.20	5.90	2.50	1.00
5000	19.20	5.90	2.40	1.00
5250	19.20	5.80	2.40	1.00
5500	19.10	5.80	2.40	1.00
5750	19.00	5.80	2.40	1.00
6000	19.10	5.80	2.40	1.00
6250	19.10	5.90	2.40	1.00
6500	18.80	5.80	2.40	1.00
6750	19.00	5.80	2.40	1.00
7000	18.90	5.80	2.40	1.00
7250	18.80	5.80	2.40	1.00
7500	18.60	5.70	2.40	1.00
7750	18.70	5.70	2.40	1.10
7850	18.70	5.80	2.50	1.10
7860	18.70	5.70	2.50	1.10
7870	15.40	5.10	2.60	1.00
7880	18.20	5.80	2.50	1.00
7890	18.40	5.70	2.40	1.00
7900	18.60	5.70	2.40	1.00
7910	18.60	5.70	2.40	1.10
7920	18.40	5.60	2.40	1.00
7930	18.50	5.80	2.40	1.10
7940	18.70	5.70	2.40	1.10
7950	18.40	5.60	2.40	1.00
7960	18.50	5.60	2.30	1.00
7970	18.60	5.70	2.40	1.00
7980	18.70	5.70	2.40	1.10
7992	18.40	5.60	2.40	1.00