WELL ANALYSIS CORPORATION

AUDIO DETECTION SURVEY

WELL TYPE	OG
BFW	
COMPANY:	SOUTHERN CALIF. GAS CO.
WELL:	SESNON FEE 7
FIELD:	ALISO CANYON
COUNTY:	LOS ANGELES
STATE:	CALIFORNIA
LOCATION:	DISTRICT 2
OTHER SVC:	
API NUMBER:	0403700653
SEC: 33	TWN: 3N RNG: 16W

PERMANENT DATUM: GROUND LEVEL ELEV: 2261.00'
LOG MEASURED FROM KB 12' ABOVE PERM DATUM
DRILLING MEASURED FROM

-ELEVATIONS-
KB: 2273.00 Ft.
DF: Ft.
GL: 2261.00 Ft.

DATE LOG RAN	07-13-2016	PRESSURE	FLOWING	INJECTION	SHUT-IN
RUN NUMBER	ONE	TUBING PSI			0
EFFECTIVE DEPTH	9279'	CASING PSI			0
PICKUP DEPTH	7053'	INJECTION RATE		N/A	
BOT LOGGED INT	7053'	OBSERVED RATE		N/A	
TOP LOGGED INT	50'	R/A SOURCE		N/A	
TYPE OF INJECT	NONE	ACTIVITY		N/A	
FLUID IN WELL	GAS	HALF LIFE		N/A	
FLUID LEVEL	300'				
WELL STATUS	STATIC		PRODUCTION DATA		
MAX TEMPERATURE	163.0 F.	OIL Gr.	N/A	OIL =	N/A
AT DEPTH	7053.0'	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	N/A				

Times | Events		Equipment Data	
07:30AM - ON LOCATION		Collar Locator	1.375"
08:00AM - RAN IN HOLE		Temperature Tool	1.375"
08:05AM - BEGIN SURVEY		Audio Detector	1.375"
01:00AM - OFF LOCATION			

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

Remarks/Survey Results

SAND TAG MARKERS: 7184' TOP SS
9200' TOP S4
9319' TOP S8

CASING AND TUBING RECORD

SIZE	WT(#)	FROM	TO	SIZE	WT(#)	FROM	TO
13.375"	54.5	SURFACE	621'				
7.000"	29.0	SURFACE	9445'				
2.875"	6.50	SURFACE	9108'				

STR.	PIPE DIA.	PERFORATIONS
A	7.000"	WSO: 9074', WSO: 9086', 9120'-9130',
		9140'-9180', 9197'-9237', 9252'-9273'.
		PACKERS: 9100'.
		GAS LIFT MANDRELS: 1712', 3243',
		4616', 5886',
		6996', 8098',
		9018'.
		SLIDING SLEEVES: 9059'.
		NO-GO: 9088'.

Audio Data: C:\data\NOISE.txt

DEPTH	200HZ	600HZ	1000HZ	2000HZ
50	3.40	2.90	1.50	0.40
100	3.70	2.90	1.50	0.40
200	3.10	2.80	1.50	0.40
220	3.10	2.70	1.40	0.40
240	3.50	2.80	1.50	0.40
260	3.40	2.90	1.50	0.40
280	3.20	2.70	1.40	0.40
300	3.00	2.70	1.40	0.40
320	2.90	2.70	1.40	0.40
340	2.80	2.70	1.40	0.40
360	2.80	2.70	1.40	0.30
380	2.80	2.70	1.40	0.30
400	2.80	2.70	1.40	0.40
500	2.90	2.70	1.40	0.40
520	2.80	2.70	1.40	0.40
540	2.80	2.60	1.40	0.40
560	2.80	2.70	1.40	0.40
580	2.80	2.70	1.40	0.40
600	2.80	2.60	1.40	0.40
620	2.80	2.60	1.40	0.30
640	2.80	2.60	1.40	0.40
660	2.70	2.60	1.30	0.30
680	2.70	2.60	1.40	0.40
700	2.80	2.60	1.40	0.40
800	2.70	2.60	1.40	0.40
820	2.70	2.60	1.40	0.40
840	2.80	2.60	1.40	0.40
860	2.70	2.60	1.30	0.30
880	2.70	2.60	1.40	0.30
900	2.70	2.60	1.40	0.30
920	2.70	2.60	1.40	0.30
940	2.80	2.60	1.40	0.30
960	2.80	2.60	1.40	0.30
980	2.70	2.60	1.40	0.40
1000	2.80	2.60	1.40	0.30
1200	2.70	2.60	1.30	0.40
1400	2.70	2.50	1.30	0.30
1600	2.70	2.60	1.40	0.40
1800	2.60	2.50	1.30	0.30
2000	2.90	2.70	1.40	0.30
2200	2.70	2.50	1.40	0.40
2400	2.90	2.50	1.30	0.40
2600	2.60	2.50	1.40	0.40
2800	2.70	2.50	1.40	0.40
3000	2.70	2.50	1.30	0.40
3200	2.70	2.50	1.30	0.40
3400	2.70	2.50	1.30	0.40
3600	2.60	2.50	1.40	0.40
3800	2.60	2.40	1.30	0.40
4000	2.70	2.40	1.30	0.40
4200	2.70	2.50	1.40	0.40
4400	2.60	2.40	1.40	0.40
4600	2.60	2.50	1.40	0.40
4800	2.60	2.40	1.30	0.40
5000	2.60	2.40	1.30	0.40
5200	2.50	2.40	1.30	0.40
5400	2.50	2.40	1.30	0.40
5600	2.50	2.40	1.30	0.40
5800	2.50	2.40	1.30	0.40
6000	2.50	2.40	1.30	0.40
6200	2.40	2.30	1.30	0.40
6400	2.40	2.30	1.30	0.40
6500	2.40	2.30	1.30	0.40
6520	2.50	2.40	1.30	0.40
6540	2.40	2.30	1.30	0.40
6560	2.50	2.40	1.30	0.40
6580	2.40	2.30	1.30	0.40
6600	2.40	2.30	1.30	0.40
6620	2.40	2.30	1.30	0.40
6640	2.40	2.30	1.30	0.40
6660	2.40	2.30	1.30	0.40
6680	2.40	2.30	1.30	0.40
6700	2.40	2.30	1.30	0.40
6710	2.50	2.30	1.30	0.40
6720	2.40	2.30	1.30	0.40
6730	2.40	2.30	1.30	0.40
6740	2.40	2.30	1.30	0.40
6750	2.40	2.30	1.30	0.40
6760	2.40	2.30	1.30	0.40
6770	2.40	2.30	1.30	0.40
6780	2.40	2.30	1.30	0.40
6790	2.40	2.30	1.30	0.40
6800	2.40	2.30	1.30	0.40
6810	2.40	2.30	1.30	0.40
6820	2.50	2.30	1.40	0.40
6830	2.40	2.30	1.30	0.40
6840	2.40	2.30	1.30	0.40
6850	2.70	2.40	1.40	0.40
6860	2.40	2.30	1.30	0.40
6870	2.40	2.30	1.30	0.40
6880	2.50	2.30	1.30	0.40
6890	2.40	2.30	1.30	0.40
6900	2.40	2.30	1.40	0.40
6910	2.40	2.30	1.30	0.40
6920	2.40	2.30	1.30	0.40
6930	2.40	2.30	1.30	0.40
6940	2.40	2.30	1.30	0.50
6950	2.50	2.40	1.40	0.60
6960	2.50	2.40	1.50	0.70
6970	2.50	2.40	1.50	0.70
6980	2.50	2.40	1.50	0.60
6990	2.50	2.40	1.50	0.60
7000	2.50	2.40	1.50	0.70
7010	2.50	2.40	1.50	0.60
7020	2.70	2.50	1.60	0.70
7030	2.50	2.40	1.50	0.70
7040	2.50	2.40	1.50	0.70
7053	2.60	2.50	1.60	0.70