WELL ANALYSIS CORPORATION

AUDIO DETECTION SURVEY

COMPANY:	SOUTHERN CALIF. GAS CO.
WELL:	PORTER 26E
FIELD:	ALISO CANYON
COUNTY:	LOS ANGELES
STATE:	CALIFORNIA
WELL TYPE:	GS
LOCATION:	DISTRICT 2
OTHER SVC:	
API NUMBER:	0403721319
SEC: 28	TWN: 3N RNG: 16W

AJ

PERMANENT DATUM: GROUND LEVEL ELEV: 2505 FT.
LOG MEASURED FROM MAT 0' ABOVE PERM DATUM
DRILLING MEASURED FROM

-ELEVATIONS-
KB: 2517 Ft.
DF: Ft.
GL: 2505 Ft.

			FLOWING	INJECTION	SHUT-IN
DATE LOG RAN	10-03-2016	PRESSURE			
RUN NUMBER	ONE	TUBING PSI			0
EFFECTIVE DEPTH	7353 [PLUG]	CASING PSI			0
PICKUP DEPTH	7340'	INJECTION RATE		N/A	
BOT LOGGED INT	7340'	OBSERVED RATE		N/A	
TOP LOGGED INT	100'	R/A SOURCE		N/A	
TYPE OF INJECT	N/A	ACTIVITY		N/A	
FLUID IN WELL	WATER	HALF LIFE		N/A	
FLUID LEVEL	SURFACE				
WELL STATUS	STATIC	PRODUCTION DATA			
MAX TEMPERATURE	163.1 F	OIL Gr.		OIL =	
AT DEPTH	7340'	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.ALSHAMMASI				
DEPTH CORRELATION	MANDREL				

Time|Events			Equipment Data	
On Location	07:00am		Collar Locator	1.375"
Ran In Hole	07:20am		Temperature Tool	1.375"
Begin Survey	07:25am		Audio Detector	1.375"
Pull Out Of Hole	10:15am			
Off Location	10:30am			

TOOL DIAGRAM

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

Remarks/Survey Results

```
SAND TAG MARKERS: 7190' MP
                  7435' S1
                  7537' S4
                  7610' S8
```

CASING AND TUBING RECORD

SIZE	WT(#)	FROM	TO	SIZE	WT(#)	FROM	TO
13.375"	54.5	SURFACE	659'				
8.625"	36	SURFACE	7412'				
6.625"	28	7398'	7912'				
2.875"	6.5	SURFACE	7398'				

STR.	PIPE DIA.	PERFORATIONS
A	6.625"	WSO: 7521'-7523', WSO: 7357'-7359' , 7540'-7545', 7568'-7572',
		7613'-7676', 7691'-7761', 7798'-7808',
		7822'-7854', 7860'-7912'.
		PACKERS: 7394'-7397'.
		GAS LIFT MANDRELS: 7273'-7278'.
		SLIDING SLEEVES: 7319'-7323'.
		NO-GO: 7353'.

Audio Data: C:\data\NOISE.txt

DEPTH	200HZ	600HZ	1000HZ	2000HZ
50	16.90	3.10	0.70	0.20
250	17.00	3.20	0.80	0.30
500	17.00	3.10	0.70	0.20
600	17.10	3.10	0.70	0.20
620	17.00	3.10	0.70	0.20
640	17.10	3.10	0.70	0.20
660	17.10	3.10	0.70	0.20
680	16.90	3.10	0.70	0.20
700	17.00	3.10	0.70	0.20
720	17.20	3.10	0.70	0.20
740	17.20	3.10	0.70	0.20
760	17.10	3.10	0.70	0.20
780	17.00	3.10	0.70	0.20
800	17.20	3.10	0.70	0.20
820	17.10	3.10	0.70	0.20
840	17.00	3.10	0.70	0.20
860	17.00	3.10	0.70	0.20
880	16.90	3.10	0.70	0.20
900	17.10	3.10	0.70	0.20
1000	16.90	3.10	0.70	0.20
1250	16.90	3.10	0.70	0.20
1500	16.90	3.00	0.70	0.20
1750	16.80	3.10	0.70	0.20
2000	17.00	3.10	0.70	0.30
2250	16.50	3.00	0.70	0.20
2500	16.80	3.00	0.70	0.20
2750	16.60	3.00	0.70	0.20
2800	17.00	3.00	0.70	0.20
2820	16.50	3.00	0.70	0.20
2840	16.80	3.10	0.70	0.20
2860	17.10	3.00	0.70	0.20
2880	17.00	3.00	0.70	0.20
2900	16.90	3.00	0.70	0.20
2920	16.80	3.00	0.70	0.20
2940	16.80	3.00	0.70	0.20
2960	17.10	3.00	0.70	0.20
2980	17.00	3.00	0.70	0.20
3000	17.00	3.00	0.70	0.20
3020	16.90	3.00	0.70	0.20
3040	17.00	3.00	0.70	0.20
3060	16.90	3.00	0.70	0.20
3080	17.00	3.00	0.70	0.20
3100	16.90	3.00	0.70	0.20
3250	16.80	3.00	0.70	0.20
3500	16.90	2.90	0.60	0.20
3750	17.00	2.90	0.70	0.20
4000	16.90	3.00	0.70	0.20
4250	16.90	2.90	0.60	0.20
4500	16.60	2.90	0.70	0.20
4750	16.50	2.90	0.70	0.20
5000	16.50	2.90	0.60	0.20
5250	16.40	2.90	0.60	0.20
5500	16.30	2.90	0.70	0.20
5750	16.10	2.80	0.60	0.20
6000	16.00	2.90	0.70	0.20
6250	15.80	2.80	0.70	0.20
6500	15.70	2.90	0.80	0.30
6750	15.80	2.90	0.80	0.30
7000	15.60	2.90	0.90	0.50
7200	15.40	2.90	0.80	0.30
7210	15.20	2.90	0.80	0.30
7220	15.20	2.80	0.80	0.30
7230	15.20	2.90	0.70	0.30
7240	15.20	2.80	0.70	0.30
7250	15.30	2.90	0.70	0.30
7260	15.30	2.80	0.70	0.30
7270	15.20	2.80	0.70	0.30
7280	15.30	2.90	0.70	0.30
7290	15.20	2.80	0.70	0.30
7300	14.90	2.70	0.70	0.30
7310	15.00	2.80	0.70	0.30
7320	15.00	2.80	0.70	0.30
7330	14.60	2.70	0.70	0.30
7340	14.90	2.80	0.70	0.30