WELL ANALYSIS CORPORATION

AUDIO DETECTION SURVEY

WELL TYPE	GS, OG
COMPANY:	SOUTHERN CALIF. GAS CO.
WELL:	PORTER 32A
FIELD:	ALISO CANYON
COUNTY:	LOS ANGELES
STATE:	CALIFORNIA
LOCATION:	DISTRICT 2
OTHER SVC:	

CB

API NUMBER: 0403721277
SEC: 27 TWN: 03N RNG: 16W

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

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

			PRESSURE	FLOWING	INJECTION	SHUT-IN
DATE LOG RAN	03-23-2016					
RUN NUMBER	ONE		TUBING PSI			1094
EFFECTIVE DEPTH	7570' PLUG		CASING PSI			1094
PICKUP DEPTH	7243'		INJECTION RATE		N/A	
BOT LOGGED INT	7243'		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	158.5 F.		OIL Gr.	OIL =		
AT DEPTH	7053.5'		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: 6956' TOP MP
                  7190' TOP S1
                  7260' TOP S4
                  7350' TOP S8
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CASING AND TUBING RECORD

SIZE	WT(#)	FROM	TO	SIZE	WT(#)	FROM	TO
13.375"	48.0	SURFACE	731'	2.875"	6.5	SURFACE	7170'
8.625"	36.0	SURFACE	7260'				
6.625"	32.0	7183'	7575'				
5.000"	18.0	7261'	7563'				

STR.	PIPE DIA.	PERFORATIONS
A	8.625"	WSO: 7208'.
	6.625"	7292'-7328', 7352'-7428', 7436'-7446'.
	5.000"	SLOTTED: 7273'-7453'.
		PACKERS: 7160-7165'.
		GAS LIFT MANDREL: 7071'-7074'.
		SLIDING SLEEVES: 7128'-7131'.
		NO-GO: 7149'.

Audio Data: C:\data\NOISE.txt

DEPTH	200HZ	600HZ	1000HZ	2000HZ
100	7.10	4.20	2.30	1.20
350	8.00	3.80	2.10	1.00
600	4.90	4.10	2.10	1.00
610	5.30	4.00	2.20	1.20
630	5.30	3.80	2.00	0.90
650	4.10	3.40	1.80	0.90
670	5.60	3.60	1.80	0.90
690	4.30	3.50	1.80	0.90
710	4.70	3.80	2.00	0.90
730	4.40	3.40	1.80	0.90
750	4.70	3.80	2.00	1.00
770	4.60	3.70	2.10	1.20
790	4.30	3.40	1.80	0.90
810	4.20	3.40	1.80	0.90
830	4.40	3.60	1.90	0.90
850	4.60	3.50	1.80	0.90
1000	4.40	3.50	1.90	0.90
1250	4.20	3.40	1.00	0.90
1500	3.90	3.40	1.80	0.90
1750	4.40	3.70	2.10	1.20
2000	3.90	3.40	1.80	0.90
2250	4.80	4.00	2.20	1.20
2500	4.10	3.70	1.90	0.90
2750	3.80	3.30	1.80	0.90
3000	3.70	3.30	1.80	0.90
3250	3.80	3.40	1.80	0.90
3500	3.90	3.30	1.90	0.90
3740	5.10	4.30	2.40	1.30
3760	4.10	3.70	1.90	0.90
3780	4.40	3.70	1.90	0.90
3800	3.90	3.40	1.80	0.90
3820	4.40	3.90	2.10	1.10
3840	4.30	3.90	2.00	0.90
3860	3.70	3.30	1.80	0.90
3900	3.70	3.30	1.80	0.90
3920	3.80	3.30	1.80	0.90
3940	3.60	3.30	1.80	0.90
3960	3.60	3.30	1.80	0.90
3980	3.70	3.30	1.80	0.90
4000	4.10	3.40	1.90	0.90
4020	3.60	3.30	1.70	0.90
4040	3.70	3.30	1.80	0.90
4060	4.10	3.70	2.00	1.00
4080	3.80	3.40	1.80	0.90
4100	3.70	3.30	1.80	0.90
4250	4.80	4.00	2.30	1.30
4500	4.30	3.50	2.00	0.90
4750	4.10	3.40	1.90	0.90
5000	3.10	3.70	2.00	1.00
5250	3.00	3.40	1.80	0.90
5500	3.50	3.20	1.80	0.90
5750	4.50	3.70	2.20	1.30
6000	4.00	3.50	2.00	1.00
6250	3.90	3.60	1.90	0.90
6500	4.10	3.50	1.90	1.00
6750	4.10	3.70	2.00	1.00
6950	3.60	3.30	1.80	0.90
6960	4.00	3.60	2.00	1.00
6970	3.80	3.60	2.00	0.90
6980	3.80	3.40	1.90	1.00
6990	4.10	3.70	2.00	1.00
7000	4.60	4.10	2.30	1.20
7010	4.40	3.80	2.10	1.10
7020	4.70	4.10	2.20	1.10
7030	4.70	4.00	2.20	1.10
7040	3.90	3.50	2.00	0.90
7050	3.50	3.20	1.80	0.90
7060	3.70	3.40	1.80	0.90
7070	4.60	4.00	2.30	1.10
7080	4.10	3.80	2.00	1.00
7090	3.50	3.20	1.80	0.90
7100	3.40	3.10	1.70	0.90
7110	4.00	3.40	1.90	0.90
7120	3.30	3.00	1.70	0.90
7130	3.40	3.10	1.70	0.90
7140	3.50	3.10	1.80	0.90
7150	3.80	3.30	2.00	1.00
7160	3.50	3.10	1.80	0.90
7170	4.20	3.50	2.10	1.20
7180	4.10	3.40	2.00	0.90
7190	4.10	3.50	2.00	1.00
7200	3.60	3.30	1.90	0.90
7210	3.40	3.10	1.70	0.90
7220	3.70	3.40	1.90	0.90
7230	5.20	4.10	2.60	1.50
7240	3.40	3.10	1.80	0.90