C:\DATA\03700719_SURVEY_NOISE_03-23-2016(P32).LAS

WELL ANALYSIS CORPORATION

AUDIO DETECTION SURVEY

WELL TYPE: GS

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

API NUMBER: 0403700719
SEC: 27 TWN: 3N RNG: 16W
VS

-ELEVATIONS-
KB: 2086 Ft.
DF: Ft.
GL: 2079 Ft.

PERMANENT DATUM: GROUND LEVEL ELEV: 2079 FT.
LOG MEASURED FROM KB 7' ABOVE PERM DATUM
DRILLING MEASURED FROM

		PRESSURE	FLOWING	INJECTION	SHUT-IN
DATE LOG RAN	03-23-2016				
RUN NUMBER	ONE	TUBING PSI			1094
EFFECTIVE DEPTH	7870'	CASING PSI			1094
PICKUP DEPTH	7830'	INJECTION RATE	N/A		
BOT LOGGED INT	7830'	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	171.7 F.	OIL Gr.	N/A	OIL =	N/A
AT DEPTH	7830.0'	GAS Gr.	N/A	GAS=	N/A
TEMPERATURE SENS	1 F/DIV.	MPP	N/A	BHP =	N/A
LOGGING SPEED	VARIOUS			WATER=	N/A
RECORDED BY	C. BARAJAS				
WITNESSED BY	N/A				
EMAIL TO	A. KARGAR				
DEPTH CORRELATION	LINER TOP				

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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

07:00 AM - ON LOCATION
01:00 PM - OFF LOCATION
SAND TAG MARKERS: 7276' TOP MP
7521' TOP S1
7616' TOP S4
7722' TOP S8
7860' TOP HZ

CASING AND TUBING RECORD

SIZE	WT(#)	FROM	TO	SIZE	WT(#)	FROM	TO
13.375"	55	SURFACE	522'	2.375"	4.7	SURFACE	7445'
7.000"	29	SURFACE	7600'				
5.500"	17	SURFACE	5440'				
5.000"	18	7455'	7870'				

STR.	PIPE DIA.	PERFORATIONS
A	5.000"	WSO: 7539, 7581'-7848'.
		PACKERS: 5440', 7438'.
		SLEEVES: 7369'.
		NO-GO: 7403'.

Audio Data: C:\data\NOISE.txt

DEPTH	200HZ	600HZ	1000HZ	2000HZ
100	6.20	4.10	2.30	1.10
150	4.30	3.40	1.80	0.90
400	4.10	3.40	1.80	0.90
410	6.40	3.40	1.80	0.90
430	5.60	3.50	1.90	0.90
450	6.10	3.50	1.80	0.90
470	5.70	3.50	1.80	0.90
490	5.30	3.40	1.90	0.90
510	5.20	3.40	1.80	0.90
530	4.50	3.50	1.90	0.90
550	6.20	3.60	1.80	0.90
570	5.60	3.80	2.00	1.00
590	6.40	3.80	1.90	1.00
610	5.00	3.50	1.90	0.90
630	5.60	3.80	1.90	0.90
650	5.70	3.60	2.00	1.00
670	4.70	3.60	1.90	0.90
690	4.00	3.40	1.80	0.90
710	4.80	3.30	1.80	0.90
730	4.00	3.30	1.80	0.90
750	4.30	3.40	1.80	0.90
770	4.00	3.30	1.80	0.90
790	4.20	3.40	1.80	0.90
810	4.40	3.40	1.80	0.90
830	4.20	3.30	1.80	0.90
850	5.40	4.30	2.40	1.20
1000	4.00	3.40	1.90	0.90
1250	4.20	3.30	1.80	0.90
1500	3.60	3.20	1.70	0.90
1750	4.90	4.40	3.00	0.90
2000	4.70	4.10	2.60	0.90
2250	4.00	3.50	2.00	0.90
2500	3.90	3.40	1.90	1.00
2750	3.90	3.30	1.80	0.90
3000	3.90	3.30	1.80	0.90
3250	3.70	3.30	1.80	0.90
3500	3.60	3.20	1.70	0.90
3700	3.70	3.20	1.80	0.90
3710	3.70	3.30	1.80	0.90
3730	3.50	3.20	1.70	0.90
3750	3.50	3.20	1.70	0.90
3770	3.50	3.20	1.70	0.90
3790	3.70	3.20	1.80	0.90
3810	3.60	3.20	1.80	0.90
3830	3.60	3.20	1.80	1.00
3850	4.00	3.40	1.90	1.00
3870	3.60	3.30	1.80	1.00
3890	3.60	3.30	1.80	1.00
3910	3.80	3.40	1.90	1.00
3930	3.60	3.20	1.70	0.90
3950	3.80	3.30	1.80	0.90
3970	3.70	3.30	1.80	0.90
3990	3.80	3.30	1.80	1.00
4010	3.70	3.20	1.80	0.90
4030	4.00	3.50	2.00	1.10
4050	3.60	3.20	1.80	0.90
4070	3.90	3.20	1.80	1.00
4090	3.80	3.30	1.80	1.00
4110	3.70	3.20	1.80	0.90
4130	3.60	3.20	1.80	1.00
4150	4.30	3.60	2.10	1.20
4170	3.60	3.20	1.80	0.90
4190	3.60	3.20	1.80	0.90
4210	3.60	3.20	1.80	0.90
4230	3.60	3.20	1.80	0.90
4250	3.60	3.20	1.80	1.00
4500	3.60	3.20	1.80	0.90
4520	4.00	3.60	2.00	1.10
4540	3.80	3.40	1.90	1.00
4560	3.60	3.20	1.80	1.00
4580	4.10	3.60	2.20	1.30
4600	3.80	3.40	2.00	1.10
4850	4.70	3.90	2.30	1.30
5100	3.50	3.20	1.80	0.90
5350	3.60	3.30	1.80	0.90
5360	4.20	3.60	2.10	1.10
5380	3.50	3.20	1.80	0.90
5400	3.60	3.20	1.80	0.90
5420	3.50	3.20	1.80	0.90
5440	3.70	3.30	1.80	1.00
5460	4.00	3.50	2.00	1.10
5480	3.50	3.20	1.80	1.00
5500	3.90	3.40	2.00	1.00
5750	3.80	3.40	1.90	1.10
6000	3.40	3.10	1.70	0.90
6250	3.50	3.20	1.80	1.00
6500	3.50	3.20	1.00	0.90
6750	3.50	3.20	1.80	1.00
7000	3.40	3.10	1.70	0.90
7250	3.50	3.20	1.80	0.90
7260	3.80	3.40	1.90	1.00
7270	3.90	3.50	1.90	1.00
7280	4.10	3.70	2.00	1.00
7290	3.80	3.50	1.90	1.00
7300	4.20	3.70	2.00	1.10
7310	3.50	3.20	1.80	0.90
7320	3.60	3.30	1.80	1.00
7330	3.60	3.20	1.80	1.00
7340	3.80	3.40	1.90	1.00
7350	3.60	3.20	1.80	1.00
7360	3.80	3.50	1.90	1.00
7370	4.20	3.60	2.00	1.10
7380	4.10	3.70	2.00	1.10
7390	4.10	3.70	2.00	1.10
7400	3.70	3.40	1.80	1.00
7410	3.80	3.40	1.80	1.00
7420	3.60	3.30	1.80	1.00
7430	4.90	4.20	2.30	1.20
7440	3.50	3.20	1.70	1.00
7450	3.90	3.50	1.90	1.00
7460	4.60	4.20	2.10	1.10
7470	4.60	4.10	2.10	1.20
7480	3.90	3.50	1.90	1.00
7490	4.70	4.20	2.10	1.10
7500	4.70	4.20	2.10	1.20
7510	4.50	4.10	2.10	1.10
7520	4.50	4.10	2.10	1.10
7530	4.40	3.90	2.00	1.10
7540	4.10	3.70	1.90	1.10
7550	20.90	11.50	7.60	2.90
7630	4.50	4.10	2.10	1.10
7730	52.30	32.60	22.80	7.00
7830	3.50	3.10	1.70	1.00