WELL ANALYSIS CORPORATION

AUDIO DETECTION SURVEY

COMPANY:	SOUTHERN CALIF. GAS CO.
WELL:	PORTER 72B
FIELD:	ALISO CANYON
COUNTY:	KERN
STATE:	CALIFORNIA
LOCATION:	DISTRICT 2
OTHER SVC:	
WELL TYPE	GS, OG
API NUMBER:	0403724146
SEC: 27 TWN: 3N RNG: 16W	

VS

PERMANENT DATUM: GROUND LEVLE ELEV: 1909.00 Ft. ASL

LOG MEASURED FROM KB 23.50' ABOVE PERM DATUM

DRILLING MEASURED FROM

-ELEVATIONS-
KB: 1932.50 Ft. ASL
DF: Ft.
GL: 1909.00 Ft. ASL

		PRESSURE	FLOWING	INJECTION	SHUT-IN
DATE LOG RAN	03-21-2016				
RUN NUMBER	ONE	TUBING PSI			1105
EFFECTIVE DEPTH	7163'	CASING PSI			873
PICKUP DEPTH	7162'	INJECTION RATE	N/A		
BOT LOGGED INT	7162'	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	171.6 F.	OIL Gr.		OIL =	
AT DEPTH	7162.0'	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	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

07:30 AM - ON LOCATION
07:45 AM - RAN IN HOLE
07:50 AM - BEGIN SURVEY
10:45 AM - PULL OUT OF HOLE
11:00 AM - OFF LOCATION
SAND TAG MARKERS: 6514' TOP MP
6794' TOP S1
6910' TOP S4
6980' TOP S8
7110' BASE SESNON
7126' TOP FREW
7213' BASE FREW

CASING AND TUBING RECORD

SIZE	WT(#)	FROM	TO	SIZE	WT(#)	FROM	TO
13.375"	54.5	SURFACE	815'				
9.625"	47	SURFACE	6828'				
5.500"	17	6711'	7163'				
3.500"	9.3	SURFACE	6649'				

STR.	PIPE DIA.	PERFORATIONS
A	5.500"	6734'-7092', 7122'-7163'.
		PACKERS: 6646'.
		MANDRELS: 6536'.
		SLEEVES: 6577'.
		NO-GO: 6612', 6713'.
		FLAG JOINT: 2988.8'-3004', 6511'-6526.3'.

Audio Data: C:\data\NOISE.txt

DEPTH	200HZ	600HZ	1000HZ	2000HZ
100	34.30	8.10	4.60	3.00
250	23.30	6.30	4.00	2.40
500	11.70	5.90	4.00	2.30
700	10.00	5.70	3.90	2.30
720	9.10	5.50	3.70	2.30
740	9.10	5.50	3.70	2.30
760	9.20	5.60	3.80	2.30
780	10.00	5.60	3.90	2.40
800	9.70	5.60	3.80	2.30
820	9.60	5.50	3.80	2.30
840	10.50	5.60	3.80	2.30
860	10.20	5.60	3.80	2.30
880	10.10	5.60	3.80	2.30
900	10.00	5.60	3.80	2.30
1000	10.60	5.60	3.80	2.40
1250	10.20	5.60	3.80	2.30
1500	10.00	5.60	3.80	2.30
1750	10.80	5.80	3.90	2.30
2000	9.60	5.50	3.80	2.30
2250	10.20	5.60	3.80	2.20
2500	9.80	8.50	3.80	2.30
2750	10.80	5.80	4.00	2.40
3000	9.90	5.60	3.90	2.30
3250	9.40	5.50	3.80	2.30
3500	8.80	5.30	3.70	2.20
3750	9.20	5.30	3.70	2.20
4000	11.00	5.80	3.90	2.20
4250	8.50	5.30	3.60	2.20
4540	8.50	5.30	3.60	2.20
4560	8.30	5.30	3.70	2.30
4580	8.50	5.30	3.60	2.20
4600	8.30	5.30	3.70	2.30
4620	8.50	5.20	3.60	2.20
4640	8.40	5.30	3.60	2.20
4660	8.40	5.20	3.60	2.20
4680	8.40	5.20	3.60	2.20
4700	8.50	5.20	3.60	2.20
4720	8.70	5.20	3.60	2.20
4740	8.50	5.10	3.60	2.20
4760	8.80	5.20	3.60	2.20
4780	8.90	5.20	3.70	2.30
4800	9.40	5.20	3.60	2.20
4820	9.20	5.30	3.80	2.30
4840	8.80	5.10	3.60	2.30
4860	9.80	5.40	3.80	2.30
4880	10.10	5.40	3.70	2.30
4900	8.90	5.20	3.70	2.30
4920	9.40	5.30	3.70	2.20
4940	8.70	5.20	3.70	2.30
4960	9.10	5.20	3.70	2.30
4980	8.50	5.10	3.60	2.30
5000	9.90	5.40	3.80	2.30
5020	12.00	6.00	4.20	2.50
5040	9.30	5.40	3.90	2.50
5060	12.50	5.70	3.70	2.30
5080	10.50	5.60	3.90	2.40
5100	10.10	5.40	3.80	2.30
5250	11.50	6.10	4.50	3.00
5500	10.40	6.10	4.60	2.80
5750	11.20	5.90	4.00	2.40
6000	8.00	5.20	3.70	2.30
6250	7.90	5.30	3.80	2.40
6450	8.80	5.50	3.90	2.40
6460	9.30	5.60	4.00	2.50
6470	8.80	5.60	4.20	2.90
6480	8.40	5.50	4.00	2.70
6490	9.90	5.90	4.30	2.90
6500	8.60	5.60	4.10	2.70
6510	8.80	5.80	4.30	2.80
6520	8.10	5.60	4.10	2.70
6530	8.30	5.70	4.30	2.80
6540	11.60	7.80	6.60	4.90
6550	9.30	5.70	4.10	2.60
6560	7.60	5.40	3.90	2.50
6570	10.60	7.70	6.20	4.10
6580	11.80	9.10	8.10	6.90
6590	13.50	9.70	8.60	7.20
6600	14.50	10.40	9.40	7.30
6610	15.50	11.70	10.90	8.70
6620	14.50	9.90	8.90	7.20
6630	8.10	6.10	4.60	3.30
6640	13.50	10.40	9.30	7.10
6650	7.80	5.60	4.00	2.70
6660	8.10	6.40	5.00	3.80
6670	9.30	7.50	6.40	5.40
6680	7.70	6.00	4.50	3.30
6690	7.60	5.70	3.90	2.60
6700	7.80	6.00	4.40	3.00
6710	7.70	5.70	4.00	2.70
6720	8.40	5.90	4.20	2.90
6730	8.00	5.60	4.00	2.70
6740	7.80	5.80	4.20	3.00
6750	10.50	6.60	4.80	3.50
6800	9.20	6.60	5.10	4.00
6850	14.00	9.20	7.90	6.80
7162	379.10	334.00	241.20	129.20