WELL ANALYSIS CORPORATION

AUDIO DETECTION SURVEY

COMPANY:	SOUTHERN CALIF. GAS CO.
WELL:	PORTER 69J
FIELD:	ALISO CANYON
COUNTY:	LOS ANGELES
STATE:	CALIFORNIA
WELL TYPE	GS
LOCATION:	DISTRICT 2
API NUMBER:	0403724224
SEC: 28 TWN: 3N RNG: 16W	
OTHER SVC:	

BFW

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

PERMANENT DATUM: GROUND LEVEL ELEV:
LOG MEASURED FROM KB 28' ABOVE PERM DATUM
DRILLING MEASURED FROM

		PRESSURE	FLOWING	INJECTION	SHUT-IN
DATE LOG RAN	04-18-2016	TUBING PSI			1500
RUN NUMBER	ONE	CASING PSI			1150
EFFECTIVE DEPTH	8234'	INJECTION RATE	N/A		
PICKUP DEPTH	8019'	OBSERVED RATE	N/A		
BOT LOGGED INT	8019'	R/A SOURCE	N/A		
TOP LOGGED INT	100'	ACTIVITY	N/A		
TYPE OF INJECT	NONE	HALF LIFE	N/A		
FLUID IN WELL	G/W				
FLUID LEVEL	N/A	PRODUCTION DATA			
WELL STATUS	STATIC	OIL Gr.	N/A	OIL =	N/A
MAX TEMPERATURE	157.0 F	GAS Gr.	N/A	GAS=	N/A
AT DEPTH	8019.0'	MPP	N/A	BHP =	N/A
TEMPERATURE SENS	1 F/DIV.			WATER=	N/A
LOGGING SPEED	100 FPM				
RECORDED BY	D.PIORUSKI				
WITNESSED BY	N/A				
EMAIL TO	A.KARGAR				
DEPTH CORRELATION	PACKER				

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

07:00AM - ON LOCATION
10:00AM - RAN IN HOLE
10:15AM - BEGIN SURVEY
02:30PM - PULL OUT OF HOLE
03:00PM - OFF LOCATION

SAND TAG MARKERS: UNAVAILABLE

CASING AND TUBING RECORD

SIZE	WT(#)	FROM	TO	SIZE	WT(#)	FROM	TO
13.375"	54.5	SURFACE	874'				
9.625"	47.0	SURFACE	8234'				
2.875"	6.50	SURFACE	7552'				

STR.	PIPE DIA.	PERFORATIONS
A	9.625"	7696'-8019'.
		PACKERS: 7554.8'-7556.9'.
		SLIDING SLEEVES: 7486.9'-7490.8'.
		NO-GO: 7522'.

Audio Data: C:\data\NOISE.txt

DEPTH	200HZ	600HZ	1000HZ	2000HZ
6500	14.00	6.60	4.00	1.20
6750	14.30	6.60	4.00	1.20
7000	15.00	6.80	4.30	1.60
7050	14.90	6.70	4.20	1.40
7100	15.20	6.70	4.20	1.40
7150	14.80	6.70	4.20	1.40
7200	14.70	6.80	4.30	1.60
7250	14.70	6.80	4.30	1.60
7260	14.60	6.70	4.20	1.40
7270	14.20	6.60	4.10	1.30
7280	14.70	6.90	4.40	1.70
7290	14.80	6.70	4.10	1.30
7300	15.00	6.70	4.20	1.40
7310	15.50	6.90	4.30	1.60
7320	15.50	6.80	4.20	1.50
7330	16.00	7.00	4.40	1.70
7340	15.90	7.20	4.70	1.80
7350	15.40	7.00	4.40	1.60
7360	15.40	7.00	4.60	1.90
7370	15.20	7.00	4.60	1.70
7380	15.50	6.80	4.30	1.50
7390	15.40	6.60	4.10	1.30
7400	15.30	6.50	4.00	1.30
7410	15.80	6.50	4.10	1.30
7420	15.50	6.60	4.20	1.40
7430	17.10	6.80	4.40	1.60
7440	15.90	6.60	4.30	1.40
7450	16.50	6.60	4.10	1.30
7460	16.80	6.70	4.20	1.40
7470	16.30	6.60	4.20	1.30
7480	15.20	6.50	4.10	1.30
7490	15.20	6.50	4.10	1.30
7500	15.40	6.40	4.00	1.20
7510	15.60	6.60	4.20	1.30
7520	15.30	6.70	4.30	1.40
7530	15.20	6.40	4.00	1.30
7540	14.60	6.40	4.00	1.20
7550	14.60	6.50	4.20	1.30
7560	15.00	6.40	4.00	1.20
7570	13.20	6.30	4.00	1.20
7580	12.90	6.30	3.90	1.10
7590	13.00	6.30	3.90	1.10
7600	13.10	6.40	4.00	1.20
7610	12.50	6.30	4.00	1.20
7620	12.40	6.30	4.00	1.20
7630	12.30	6.30	4.00	1.20
7640	12.40	6.30	4.00	1.20
7650	12.70	6.30	4.00	1.20
7660	12.40	6.30	4.00	1.20
7670	12.40	6.30	4.00	1.20
7680	12.30	6.40	4.10	1.20
7690	12.40	6.30	4.00	1.20
7700	12.60	6.40	4.00	1.20
7710	12.30	6.30	4.00	1.20
7720	12.40	6.30	4.00	1.20
7730	13.70	6.50	4.20	1.20
7740	13.20	6.60	4.20	1.20
7750	12.70	6.40	4.10	1.20
7850	12.20	6.50	4.30	1.60
7900	13.30	7.20	5.00	1.50
7950	26.30	9.50	4.10	1.20
8018	14.50	6.30	4.00	1.20