WELL ANALYSIS CORPORATION

AUDIO DETECTION SURVEY

COMPANY:	SOUTHERN CALIF. GAS CO.		
WELL:	PORTER 24B		
FIELD:	ALISO CANYON		
COUNTY:	LOS ANGELES	STATE:	CALIFORNIA
LOCATION: DISTRICT 2		OTHER SVC:	
API NUMBER: 0403724144			
SEC: 27	TWN: 3N	RNG: 16W	

WELL TYPE: GS, OG

BFW

PERMANENT DATUM: GROUND LEVEL ELEV:

LOG MEASURED FROM KB 23.5' ABOVE PERM DATUM

DRILLING MEASURED FROM

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

DATE LOG RAN	03-23-2016	PRESSURE	FLOWING	INJECTION	SHUT-IN
RUN NUMBER	ONE	TUBING PSI			1250
EFFECTIVE DEPTH	7607'	CASING PSI			1250
PICKUP DEPTH	7567'	INJECTION RATE	N/A		
BOT LOGGED INT	7567'	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	166.7 F	OIL Gr.	N/A	OIL =	N/A
AT DEPTH	7066.5'	GAS Gr.	N/A	GAS=	N/A
TEMPERATURE SENS	1 F/DIV.	MPP	N/A	BHP =	N/A
LOGGING SPEED	100 FPM			WATER=	N/A
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

08:00AM - ON LOCATION
08:30AM - RAN IN HOLE
08:40AM - BEGIN SURVEY
11:30AM - PULL OUT OF HOLE
12:00PM - OFF LOCATION

SAND TAG MARKERS: 6664' TOP MP
7034' TOP S1
7218' TOP S8
7440' FREW

CASING AND TUBING RECORD

SIZE	WT(#)	FROM	TO	SIZE	WT(#)	FROM	TO
13.375"	54.5	SURFACE	827'				
9.625"	47	SURFACE	7030'				
5.500"	17	6917'	7607'				
2.875"	6.5	SURFACE	6848'				

STR.	PIPE DIA.	PERFORATIONS
A	5.500"	6941'-7001', 7001'-7397', 7435'-7603'.
		PACKERS: 6845'-6850'.
		GAS LIFT MANDRELS: 7636'-7641'.
		SLIDING SLEEVES: 6776'-6781'.
		NO-GO: 6811'.

Audio Data: c:\data\noise.txt

DEPTH	200HZ	600HZ	1000HZ	2000HZ
100	9.80	6.10	4.00	2.60
250	9.00	5.90	3.80	2.40
500	8.40	5.80	3.60	2.30
700	9.20	5.90	3.70	2.30
720	8.90	6.00	3.90	2.50
740	8.60	5.80	3.70	2.30
760	8.60	5.90	3.80	2.40
780	9.10	5.80	3.70	2.30
800	8.40	5.90	3.70	2.30
820	8.50	5.80	3.70	2.30
840	8.40	5.90	3.70	2.30
860	8.20	5.80	3.70	2.40
880	8.20	5.80	3.70	2.40
900	8.10	5.80	3.80	2.40
1000	8.00	5.70	3.60	2.30
1250	8.00	5.70	3.60	2.30
1500	7.80	5.60	3.60	2.30
1700	7.80	5.60	3.70	2.40
1720	7.90	5.60	3.70	2.40
1740	7.80	5.60	3.70	2.40
1760	7.80	5.60	3.70	2.40
1780	7.70	5.50	3.60	2.40
1800	7.70	5.60	3.70	2.40
1820	7.80	5.60	3.70	2.40
1840	7.70	5.60	3.70	2.40
1860	7.80	5.60	3.60	2.30
1880	7.80	5.60	3.60	2.30
1900	7.80	5.60	3.60	2.30
1920	7.80	5.60	3.60	2.30
1940	7.80	5.60	3.60	2.20
1960	7.70	5.60	3.60	2.20
1980	7.80	5.60	3.60	2.30
2000	7.80	5.50	3.60	2.20
2250	7.80	5.60	3.60	2.20
2500	7.70	5.60	3.60	2.20
2750	7.50	5.60	3.80	2.70
3000	7.50	5.60	3.80	2.60
3250	7.40	5.50	3.70	2.50
3500	7.40	5.50	3.80	2.60
3750	7.50	5.60	3.80	2.60
4000	7.40	5.60	3.80	2.70
4250	7.30	5.50	3.80	2.60
4500	7.20	5.50	3.80	2.70
4750	7.10	5.50	3.80	2.60
4900	7.50	5.50	3.80	2.60
4920	7.60	5.50	3.80	2.60
4940	7.60	5.50	3.70	2.60
4960	7.40	5.50	3.80	2.70
4980	7.30	5.50	3.80	2.60
5000	7.20	5.60	3.80	2.60
5020	7.10	5.50	3.70	2.60
5040	7.50	5.50	3.80	2.60
5060	7.10	5.50	3.80	2.60
5080	7.30	5.50	3.80	2.70
5100	7.30	5.60	3.90	2.70
5120	7.30	5.50	3.80	2.60
5140	7.10	5.50	3.80	2.60
5160	7.20	5.50	3.80	2.60
5250	7.20	5.70	3.90	2.70
5500	7.10	5.60	3.90	2.70
5750	7.20	5.70	3.90	2.70
6000	6.90	5.50	3.80	2.60
6250	6.90	5.50	3.80	2.70
6500	6.90	5.60	4.00	2.80
6550	6.80	5.60	3.90	2.70
6560	7.30	5.60	3.90	2.70
6570	7.40	5.60	3.90	2.70
6580	7.20	5.50	3.80	2.60
6590	6.90	5.60	3.80	2.70
6600	6.80	5.60	3.90	2.70
6610	7.20	5.50	3.80	2.60
6620	7.50	5.60	3.80	2.70
6630	6.70	5.50	3.80	2.70
6640	7.50	5.60	3.90	2.70
6650	7.30	5.60	3.80	2.70
6660	7.30	5.50	3.80	2.60
6670	7.60	5.60	3.80	2.60
6680	7.30	5.50	3.80	2.60
6690	7.00	5.60	3.80	2.70
6700	6.80	5.60	3.80	2.60
6710	7.00	5.50	3.80	2.60
6720	6.70	5.60	3.80	2.70
6730	6.80	5.60	3.80	2.70
6740	6.70	5.60	3.80	2.70
6750	7.20	5.60	3.80	2.60
6760	6.60	5.50	3.80	2.60
6770	7.30	5.60	3.80	2.60
6780	6.70	5.60	3.80	2.70
6790	6.60	5.50	3.80	2.60
6800	6.70	5.60	3.90	2.70
6810	6.80	5.60	3.90	2.80
6820	6.60	5.60	3.90	2.70
6830	6.60	5.60	3.80	2.70
6840	6.50	5.60	3.80	2.70
6850	6.50	5.60	3.80	2.70
6860	7.10	5.70	3.90	2.80
6870	6.70	5.60	3.80	2.70
6880	6.60	5.60	3.80	2.60
6890	6.70	5.60	3.80	2.60
6900	6.50	5.60	3.70	2.60
6910	7.10	5.80	4.00	2.90
6920	6.80	5.60	3.80	2.60
6930	7.10	5.70	3.70	2.50
6940	6.60	5.60	3.60	2.40
6950	6.90	5.60	3.60	2.40
6960	6.60	5.70	3.70	2.60
6970	7.00	5.70	3.70	2.50
6980	7.10	5.70	3.70	2.50
6990	6.90	5.60	3.70	2.50
7000	6.70	5.70	3.70	2.50
7010	6.80	5.70	3.70	2.50
7020	6.70	5.70	3.70	2.50
7050	6.60	5.70	3.70	2.40
7350	6.40	5.60	3.60	2.40
7400	7.00	6.10	4.10	2.50
7450	9.60	8.50	6.80	5.10
7500	7.40	6.30	4.10	2.60
7567	7.20	6.50	4.70	3.70

1400 COLLAR LOCATOR [MV] 2300

70 TEMPERATURE [DEG F] 90

0.02 AUDIO DETECTION LOG [MV] 200

-2 DIFFERENTIAL TEMPERATURE [DEG F] 2