WELL ANALYSIS CORPORATION

AUDIO DETECTION SURVEY

WELL TYPE GS	COMPANY: SOUTHERN CALIF. GAS CO. WELL: PORTER 47 FIELD: ALISO CANYON COUNTY: LOS ANGELES STATE: CALIFORNIA	
CB	LOCATION: DISTRICT 2 API NUMBER: 0403700734 SEC: 28 TWN: 3N RNG: 16W	OTHER SVC:
	PERMANENT DATUM: GROUND LEVEL ELEV: 2496.00 FT. LOG MEASURED FROM KB 7' ABOVE PERM DATUM DRILLING MEASURED FROM	-ELEVATIONS- KB: 2496.00 Ft. DF: Ft. GL: 2489.00 Ft.

DATE LOG RAN	10-29-2015	PRESSURE	FLOWING	INJECTION	SHUT-IN
RUN NUMBER	ONE	TUBING PSI			2700
EFFECTIVE DEPTH	8366'	CASING PSI			2700
PICKUP DEPTH	N/A	INJECTION RATE	N/A		
BOT LOGGED INT	2000'	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	95.1 F	OIL Gr.		OIL =	
AT DEPTH	1997.0'	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	N/A				

Equipment Data

COLLAR LOCATOR	1375'
TEMPERATURE TOOL	1375'
AUDIO DETECTOR	1375'

Remarks/Survey Results

01:00 PM - ON LOCATION
02:00 PM - RAN IN HOLE
02:30 PM - BEGIN SURVEY
03:00 PM - PULLED OUT OF HOLE
05:00 PM - OFF LOCATION
SAND TAG MARKERS: 7850' TOP MP
8070' TOP S1
8155' TOP S4
8250' TOP S8

CASING AND TUBING RECORD

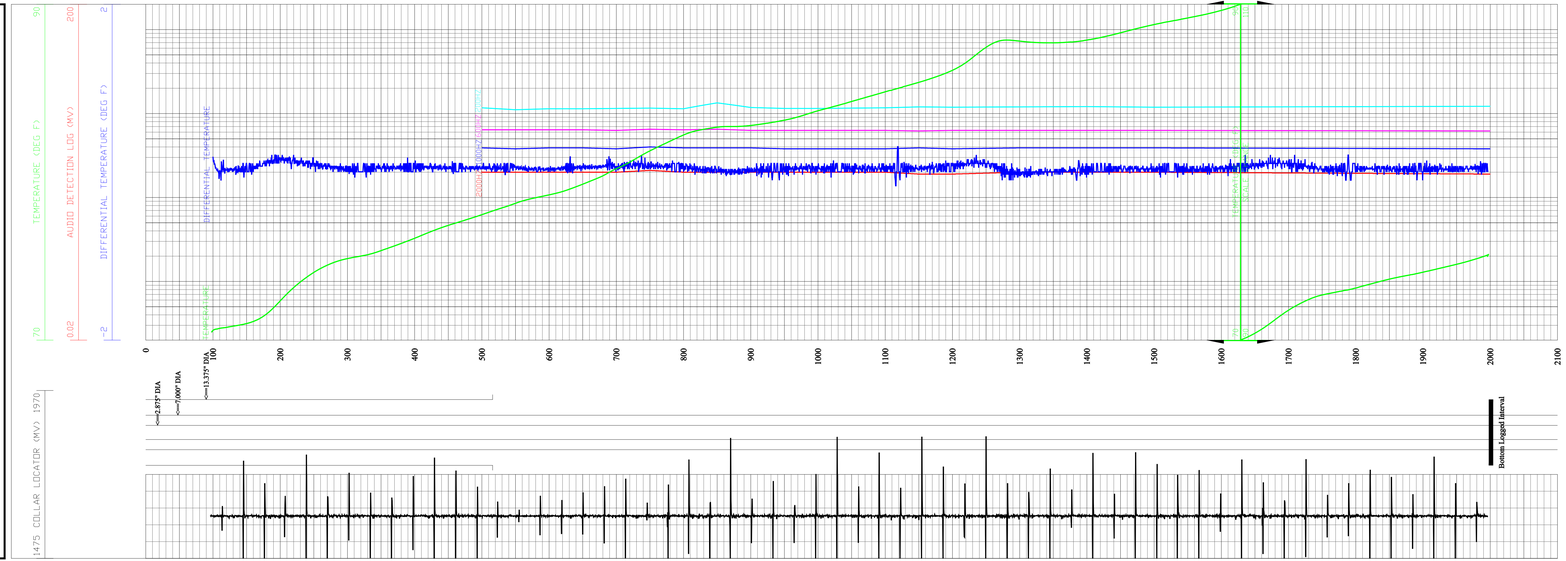
SIZE	WT(#)	FROM	TO	SIZE	WT(#)	FROM	TO
13.375"	55 16	SURFACE	516'	2.375"	4.7	6889'	8159'
7.000"	26/29/30	SURFACE	7005'				
5.000"	13.0	6889'	8366.8'				
2.375"	4.7	SURFACE	6889'				

PIPE DIA.

STR.	
A	5.000"

PERFORATIONS

7320'-7328', 8136'-8138', 8153'-8159',
8200'-8222', 8230'-8236', 8252'-8257',
CEMENT SQUEEZED FROM 8156.
PACKERS: 6891'-6895', 8153'-8157'.
SLIDING SLEEVE: 6890'.
SHOES: 8159'.

Audio Data: C:\data\NOISE.txt

DEPTH	200HZ	600HZ	1000HZ	2000HZ
500	11.70	6.40	3.80	2.00
550	11.10	6.40	3.80	2.00
600	11.40	6.40	3.90	2.00
650	11.40	6.40	3.90	2.00
700	11.60	6.50	3.90	2.00
750	11.60	6.50	4.00	2.10
800	11.40	6.40	3.90	2.00
850	13.40	6.50	3.90	2.00
900	11.80	6.30	3.80	2.00
950	11.50	6.30	3.80	2.00
1000	11.50	6.30	3.80	2.00
1050	11.60	6.30	3.80	2.00
1100	11.70	6.30	3.80	2.00
1150	12.00	6.20	3.90	1.90
1200	11.90	6.30	3.80	1.90
1300	12.00	6.30	3.90	2.00
1400	12.00	6.20	3.90	2.00
1500	11.90	6.30	3.90	2.00
2000	12.20	6.20	3.80	1.90