WELL ANALYSIS CORPORATION

AUDIO DETECTION SURVEY

COMPANY:	SOUTHERN CALIF GAS CO.
WELL:	PORTER 32E
FIELD:	ALISO CANYON
COUNTY:	LOS ANGELES
STATE:	CALIFORNIA
LOCATION:	DISTRICT 2
OTHER SVC:	
WELL TYPE	GS, OG
API NUMBER:	0403721363
SEC: 27	TWN: 03N RNG: 16W
	CB

PERMANENT DATUM: GROUND LEVEL ELEV: 2075.00 FT.
LOG MEASURED FROM KB 17' ABOVE PERM DATUM
DRILLING MEASURED FROM

-ELEVATIONS-
KB: 2092.00 Ft.
DF: Ft.
GL: 2075.00 Ft.

			PRESSURE	FLOWING	INJECTION	SHUT-IN
DATE LOG RAN	03-28-2016					
RUN NUMBER	ONE		TUBING PSI	N/A		1110
EFFECTIVE DEPTH	7770'		CASING PSI	N/A		1110
PICKUP DEPTH	7544'		INJECTION RATE	N/A		
BOTTOM LOGGED INT	7544'		OBSERVED RATE	N/A		
TOP LOGGED INT	100'		R. 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	161.4 F		OIL Gr.	OIL=		
AT DEPTH	7597.5'		GAS Gr.	GAS=		
TEMPERATURE SENS	F/DIV					
LOGGING SPEED	100 FPM		MBP	BHP =		
RECORDED BY	D. PROKISKI			WATER=		
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

07:00 AM - ON LOCATION
07:30 AM - RAN IN HOLE
07:45 AM - BEGIN SURVEY
11:15 AM - PULL OUT OF HOLE
11:30 AM - OFF LOCATION
SAND TAG MARKERS: 7182' TOP MP
7408' TOP S1
7483' TOP S4
7590' TOP S8
7710' TOP HZ

CASING AND TUBING RECORD

SIZE	WT(#)	FROM	TO	SIZE	WT(#)	FROM	TO
13.375"	54.5	SURFACE	791'				
8.625"	36.0	SURFACE	7443'				
6.625"	24.0	7414'	7770'				
2.875"	6.5	SURFACE	7411'				

STR.	PIPE DIA.	PERFORATIONS
A	6.625"	SLOTTED: 7448'-7710'.
		STAGE COLLAR: 3014'.
		PACKERS: 7400'.
		GAS LIFT MANDREL: 7272'.
		SLIDING SLEEVES: 7314'.
		PATCH: 3003'-3025'.
		NO-GO: 7349', 7389'.
		ON-OFF SEAL CONNECTOR: 7383'.

Audio Data: C:\data\NOISE.txt

DEPTH	200HZ	600HZ	1000HZ	2000HZ
100	12.10	7.20	5.70	4.20
250	12.50	6.80	5.40	4.20
500	9.50	5.70	4.00	2.60
600	9.80	5.70	4.00	2.60
620	9.60	5.70	4.00	2.60
640	9.20	5.70	4.00	2.70
660	9.50	5.70	4.00	2.70
680	9.70	5.60	3.90	2.40
700	9.60	6.10	4.60	3.50
720	9.70	5.60	4.00	2.60
740	9.90	5.50	3.70	2.30
760	9.40	5.50	3.70	2.50
780	9.30	5.50	3.70	2.30
800	9.30	5.50	3.90	2.50
820	9.20	5.40	3.60	2.10
840	8.90	5.40	3.60	2.10
860	9.10	5.30	3.60	2.10
880	9.00	5.40	3.60	2.10
900	9.30	5.40	3.60	2.10
1000	9.20	5.50	3.70	2.30
1250	9.20	5.60	4.00	2.70
1500	9.20	5.60	3.90	2.40
1750	9.10	5.40	3.70	2.30
2000	9.20	5.30	3.60	2.20
2250	9.10	5.30	3.60	2.20
2500	8.80	5.30	3.70	2.30
2750	8.80	5.40	3.70	2.40
2900	8.90	5.30	3.70	2.20
2920	8.60	5.40	3.80	2.50
2940	8.70	5.40	3.70	2.40
2960	8.70	5.30	3.70	2.40
2980	9.10	5.50	3.90	2.40
3000	9.00	5.40	3.70	2.40
3020	8.80	5.30	3.70	2.30
3040	8.60	5.40	3.80	2.50
3060	9.00	5.40	3.80	2.60
3080	9.00	5.40	3.70	2.30
3100	8.90	5.30	3.70	2.40
3250	9.00	5.50	3.70	2.30
3500	8.80	5.40	3.70	2.40
3750	9.00	5.30	3.60	2.40
3760	9.00	5.60	4.00	2.60
3780	8.60	5.40	3.90	2.50
3800	8.70	5.40	3.70	2.40
3820	8.80	5.40	3.70	2.30
3840	8.80	5.40	3.70	2.40
3860	8.80	5.60	4.00	2.70
3880	8.90	5.30	3.60	2.20
3900	8.70	5.50	3.90	2.70
3920	8.90	5.50	4.00	2.60
3940	8.80	5.40	3.80	2.40
3960	8.80	5.40	3.80	2.30
3980	9.40	5.60	3.80	2.50
4000	8.60	5.60	4.10	2.80
4020	8.70	5.60	4.00	2.70
4040	8.40	5.40	3.80	2.40
4060	8.50	5.30	3.70	2.30
4080	8.60	5.30	3.70	2.30
4100	8.70	5.30	3.70	2.40
4120	8.70	5.30	3.70	2.30
4140	8.60	5.40	3.70	2.30
4160	8.70	5.50	3.90	2.50
4180	8.70	5.90	4.40	3.00
4200	8.80	5.40	3.70	2.50
4220	8.30	5.30	3.70	2.40
4240	8.50	5.30	3.70	2.40
4260	9.30	5.40	3.80	2.40
4280	9.00	5.50	4.00	2.70
4300	8.70	5.80	4.30	3.10
4320	8.10	5.40	3.80	2.50
4340	8.90	6.00	4.50	3.10
4360	9.20	5.50	3.90	2.60
4380	9.10	5.40	3.90	2.50
4400	9.20	6.50	5.00	3.80
4500	10.70	5.80	4.20	2.70
4600	10.10	6.80	5.50	4.00
4700	10.10	7.00	5.80	4.20
4800	10.90	7.00	5.60	4.10
4900	10.10	6.10	4.50	3.00
5000	11.90	8.10	6.70	5.20
5100	12.20	7.30	6.00	4.70
5200	12.20	7.00	5.70	4.30
5300	5.60	7.80	6.40	4.70
5400	15.50	6.80	5.20	3.40
5500	19.10	8.20	6.30	4.00
5600	15.30	8.40	6.80	4.80
5700	14.40	8.20	6.80	5.30
5800	10.30	7.50	6.40	5.10
5900	10.70	7.30	6.10	4.60
6000	11.30	7.30	6.10	4.80
6100	13.00	8.10	6.80	5.40
6200	16.00	8.10	6.40	4.30
6300	27.30	12.20	9.70	6.50
6400	12.10	8.80	7.60	6.30
6500	14.80	10.70	9.50	7.20
6600	12.20	10.10	9.20	6.70
6700	11.40	8.10	6.60	4.70
6800	12.90	10.90	10.00	8.80
6900	15.70	13.60	12.70	10.80
7000	14.50	12.40	11.50	7.70
7100	10.50	7.30	5.80	4.00
7110	9.90	7.80	6.50	4.80
7120	13.00	10.80	9.80	6.60
7130	8.50	6.90	5.20	3.60
7140	8.80	7.30	5.60	3.80
7150	9.30	7.50	5.80	4.30
7160	9.90	8.20	6.50	4.80
7170	8.70	7.00	5.20	3.50
7180	8.90	7.10	5.20	3.60
7190	8.50	7.00	5.20	3.80
7200	9.30	7.60	6.00	4.40
7210	8.30	6.60	4.70	3.30
7220	9.20	7.40	5.60	3.90
7230	8.10	6.50	4.60	3.10
7240	9.90	8.30	6.60	4.80
7250	10.60	8.60	6.80	5.00
7260	12.00	10.00	8.50	5.90
7270	11.70	9.80	8.20	6.60
7280	14.90	12.80	11.50	8.60
7290	12.70	11.60	10.40	8.20
7300	17.80	15.00	14.90	13.40
7310	18.50	16.10	15.10	13.00
7320	17.60	16.00	14.80	13.00
7330	18.80	16.70	15.40	13.00
7340	25.40	21.80	20.60	17.50
7350	28.90	24.90	23.10	19.70
7360	30.90	27.30	25.40	21.60
7370	27.50	23.50	21.80	18.80
7380	47.70	44.50	43.10	38.20
7390	27.30	21.60	19.30	16.40
7400	28.80	24.60	23.00	20.90
7410	30.00	27.90	26.90	25.10
7420	33.00	31.30	30.60	29.20
7430	41.50	41.20	40.90	38.20
7440	53.90	52.50	52.10	50.90
7450	46.40	46.10	45.70	44.40
7460	40.60	38.60	38.20	36.80
7470	47.70	47.30	46.90	46.20
7480	60.60	60.40	60.20	59.70
7490	30.00	29.90	29.50	28.40
7500	15.80	14.80	13.90	12.60
7544	7.50	6.60	4.80	3.70