WELL ANALYSIS CORPORATION

AUDIO DETECTION SURVEY

C:\DATA\SESNON FEE 3.LAS

WELL TYPE	GS
COMPANY:	SOUTHERN CALIF. GAS CO.
WELL:	SESNON FEE 3
FIELD:	ALISO CANYON
COUNTY:	LOS ANGELES
STATE:	CALIFORNIA
LOCATION:	DISTRICT 2
OTHER SVC:	
API NUMBER:	0403700649
SEC: 33	TWN: 3N RNG: 16W
BFW	

PERMANENT DATUM: GROUND LEVEL ELEV:
LOG MEASURED FROM KB 11' ABOVE PERM DATUM
DRILLING MEASURED FROM

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

DATE LOG RAN	04-21-2016	PRESSURE	FLOWING	INJECTION	SHUT-IN
RUN NUMBER	ONE	TUBING PSI			1776
EFFECTIVE DEPTH	9120'	CASING PSI			1776
PICKUP DEPTH	9118'	INJECTION RATE			N/A
BOT LOGGED INT	9118'	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	194.8 F	OIL Gr.	N/A	OIL =	N/A
AT DEPTH	9115.5'	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	S. MACIAS				
WITNESSED BY	N/A				
EMAIL TO	A.KARGAR				
DEPTH CORRELATION	PACKERS				

Equipment Data

Collar Locator	1.375"
Temperature Tool	1.375"
Audio Detector	1.375"

Remarks/Survey Results

06:30AM - ON LOCATION
09:07AM - RAN IN HOLE
09:07AM - BEGIN SURVEY
12:30PM - PULL OUT OF HOLE
01:00PM - OFF LOCATION

SAND TAG MARKERS: 8680' TOP MP
9010' TOP S4
9148' TOP S8

TOOL DIAGRAM

COLLAR LOCATOR AT 2.0'
TEMPERATURE TOOL AT 5.0'
AUDIO DETECTOR AT 8.0'

CASING AND TUBING RECORD

SIZE	WT(#)	FROM	TO	SIZE	WT(#)	FROM	TO
13.375"	54.5	SURFACE	1002'				
7.000"	29.0	SURFACE	9011'				
5.500"	18.0	8920'	9284'				
2.875"	6.50	SURFACE	9024'				

STR.	PIPE DIA.	PERFORATIONS
A	7.000"	WSO 8903'. WSO 8924'.
	5.500"	9001'-9061', 9070'-9110', 9124'-9125', 9165'-9198'.
	PACKERS:	8870'-8875', 9060'-9065', 9073'-9078'.
	GAS LIFT MANDRELS:	2874'-2879', 2920'-2925', 6594'-6599', 7910'-7915', 8805'-8810'.
	SLIDING SLEEVES:	8969'-8974'.
	NO-GO:	8844', 9030', 9069', 9083'.

Audio Data: C:\data\NOISE.txt

DEPTH	200HZ	600HZ	1000HZ	2000HZ
100	61.80	35.40	22.40	8.50
250	54.20	29.10	17.80	6.30
500	43.80	21.60	13.30	4.40
520	44.10	21.40	12.70	4.40
540	44.20	21.50	12.80	4.50
560	43.20	21.30	12.60	4.30
580	41.00	20.50	12.20	4.20
600	42.00	20.90	12.50	4.30
620	43.30	22.90	13.10	4.30
640	40.20	19.40	11.70	4.10
660	43.30	20.10	11.90	4.10
680	5.90	4.40	4.30	3.10
700	5.70	4.30	4.20	3.00
720	5.20	4.40	4.30	3.10
740	5.00	4.30	4.20	3.00
760	5.70	4.50	4.30	3.10
780	6.10	4.50	4.30	3.10
800	5.50	4.40	4.30	3.10
820	4.90	4.30	4.20	3.00
840	5.50	4.50	4.40	3.10
860	4.80	4.30	4.20	3.00
880	5.40	4.40	4.20	3.00
900	4.70	4.30	4.20	3.00
920	4.70	4.40	4.30	3.00
940	4.70	4.30	4.20	3.00
960	4.60	4.30	4.20	3.00
980	4.60	4.30	4.20	3.00
1000	4.60	4.30	4.20	3.00
1020	4.60	4.30	4.20	3.00
1040	4.80	4.30	4.20	3.00
1060	4.70	4.30	4.20	3.00
1250	5.30	4.70	4.60	3.50
1500	5.10	4.30	4.20	3.00
1750	5.30	4.30	4.10	2.90
2000	5.40	4.30	4.20	3.00
2250	5.80	4.40	4.20	3.00
2500	5.40	4.30	4.20	3.00
2750	5.40	4.30	4.20	3.00
3000	6.10	4.40	4.20	3.00
3250	5.20	4.40	4.30	3.10
3500	5.10	4.20	4.10	2.90
3750	5.10	4.30	4.20	3.00
4000	4.70	4.30	4.20	3.00
4250	4.80	4.20	4.10	2.90
4500	4.40	4.20	4.10	2.90
4750	4.80	4.30	4.20	3.00
5000	5.30	4.50	4.10	2.90
5250	4.80	4.40	4.30	3.00
5500	5.10	4.30	4.20	3.00
5750	6.00	4.30	4.20	3.00
6000	4.90	4.20	4.10	2.90
6250	7.40	4.20	4.10	2.90
6500	7.10	4.30	4.20	3.00
6750	6.20	4.30	4.20	3.00
7000	5.10	4.20	4.10	2.90
7250	5.00	4.20	4.10	2.90
7500	5.00	4.40	4.20	2.90
7750	6.60	4.70	4.10	2.80
8000	14.10	11.80	5.30	2.90
8050	15.10	12.30	5.30	2.90
8100	15.70	13.10	5.50	2.90
8150	15.90	13.30	5.50	2.90
8200	16.40	13.60	5.60	2.90
8250	15.60	12.40	5.40	2.90
8300	15.70	12.10	5.70	2.90
8350	19.50	16.30	5.90	3.10
8400	21.70	15.40	7.00	3.10
8450	42.60	13.10	7.60	3.80
8500	35.40	11.00	6.40	3.30
8510	35.30	10.60	6.10	3.20
8520	34.70	10.80	6.40	3.30
8530	33.80	10.70	6.20	3.20
8540	33.70	10.80	6.60	3.30
8550	35.20	9.40	5.80	3.20
8560	34.00	8.70	5.40	3.10
8570	36.20	8.70	5.60	3.20
8580	33.30	9.80	5.60	3.20
8590	38.50	8.40	5.40	3.20
8600	36.70	9.20	5.70	3.20
8610	37.40	8.50	5.40	3.10
8620	35.40	8.90	5.70	3.20
8630	36.90	8.30	5.30	3.20
8640	38.30	8.00	5.20	3.20
8650	34.70	8.70	5.40	3.20
8660	34.90	8.40	5.40	3.20
8670	36.70	8.40	5.40	3.20
8680	39.40	8.90	5.60	3.30
8690	39.90	8.90	5.60	3.30
8700	37.70	8.90	5.50	3.30
8710	39.70	7.70	5.30	3.40
8720	40.60	8.10	5.40	3.40
8730	45.40	9.00	5.80	3.50
8740	52.10	9.70	6.00	3.70
8750	47.40	10.40	6.50	3.70
8760	41.60	10.80	7.20	3.80
8770	27.20	8.60	5.60	3.20
8780	44.20	8.00	5.60	3.20
8790	54.20	9.50	6.00	3.40
8800	51.10	11.50	7.30	3.60
8810	52.60	10.60	6.60	3.60
8820	37.70	7.80	5.70	3.30
8830	49.60	9.90	6.50	3.50
8840	51.20	11.90	8.00	3.70
8850	54.00	10.40	8.00	3.70
8860	43.50	8.50	6.20	3.50
8870	41.60	11.70	8.00	3.70
8880	13.20	5.50	4.40	3.00
8890	13.30	5.20	4.20	2.90
8900	14.10	5.20	4.20	2.90
8910	13.00	5.60	4.20	3.00
8920	12.70	5.40	4.20	2.90
8930	13.20	5.00	4.20	2.90
8940	13.60	5.20	4.20	2.90
8950	14.60	5.60	4.30	2.90
8960	13.50	5.20	4.20	2.90
8970	15.00	5.60	4.30	2.90
8980	14.20	5.30	4.30	2.90
8990	13.50	5.10	4.20	2.90
9000	13.50	5.40	4.30	2.90
9050	4.60	4.20	4.10	2.90
9100	71.90	59.90	56.20	8.20
9117	20.10	13.80	12.30	7.10