C:\DATA\SESNON FEE 2.LAS

WELL ANALYSIS CORPORATION

AUDIO DETECTION SURVEY

WELL TYPE	OG
COMPANY:	SOUTHERN CALIF. GAS CO.
WELL:	SESNON FEE 2
FIELD:	ALISO CANYON
COUNTY:	LOS ANGELES
STATE:	CALIFORNIA
LOCATION:	DISTRICT 2
OTHER SVC:	
API NUMBER:	0403700648
SEC: 33 TWN: 3N RNG: 16W	
MM	

PERMANENT DATUM: GROUND LEVEL ELEV: 2439.00'
LOG MEASURED FROM MAT 0' ABOVE PERM DATUM
DRILLING MEASURED FROM

-ELEVATIONS-
KB: 2452.50 Ft.
DF: Ft.
GL: 2439.00 Ft.

			PRESSURE	FLOWING	INJECTION	SHUT-IN
DATE LOG RAN	09-27-2016					
RUN NUMBER	ONE	TUBING PSI				0
EFFECTIVE DEPTH	9429' PBTD	CASING PSI				0
PICKUP DEPTH	9033'	INJECTION RATE	N/A			
BOT LOGGED INT	9033'	OBSERVED RATE	N/A			
TOP LOGGED INT	100'	R/A SOURCE	N/A			
TYPE OF INJECT	N/A	ACTIVITY	N/A			
FLUID IN WELL	WATER	HALF LIFE	N/A			
FLUID LEVEL	SURFACE					
WELL STATUS	STATIC		PRODUCTION DATA			
MAX TEMPERATURE	191.1 F.	OIL Gr.	OIL =			
AT DEPTH	8982.5'	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. ALSHAMMASI					
DEPTH CORRELATION	N/A					

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Time/Events		Equipment Data	
7:00 AM ON LOCATION		COLLAR LOCATOR	1.375"
7:20 AM RAN IN HOLE		TEMPERATURE TOOL	1.375"
7:30 AM BEGIN SURVEY		AUDIO DETECTOR	1.375"
10:15 AM PULL OUT OF HOLE			
10:30 AM OFF LOCATION			

TOOL DIAGRAM

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

Remarks/Survey Results

SAND TAG MARKERS: 9165' TOP S1
9178' TOP S4
9290' TOP S8

CASING AND TUBING RECORD

SIZE	WT(#)	FROM	TO	SIZE	WT(#)	FROM	TO
13.375"	54.5	SURFACE	1594'				
7.000"	29	SURFACE	9245'				
5.000"	17.9	9237'	9469'				
2.875"	6.5	SURFACE	9147'				

STR.	PIPE DIA.	PERFORATIONS
A	7.000"	WSO: 9140', WSO: 9153, SQUEEZED: 9172'-9180', SQUEEZED: 9190'-9208' SQUEEZED: 9212'-9225'
	5.000"	9250'-9300', 9308'-9316', 9322'-9428'.
		PACKERS: 9140'.
		GAS LIFT MANDRELS: 2989', 5800',
		8017', 9039'.
		SLIDING SLEEVES: 9076'.
		NO-GO: 9109'.
		CASING PATCH: 3226'-3258'.

Audio Data: C:\data\NOISE.txt

DEPTH	200HZ	600HZ	1000HZ	2000HZ	
50	17.20	4.70	1.30	0.30	WATER SOUNDS
250	12.70	3.70	1.30	0.30	
500	12.10	3.50	1.20	0.30	
520	12.10	3.50	1.20	0.30	
540	12.60	3.60	1.20	0.30	
560	12.50	3.60	1.20	0.30	
580	12.30	3.60	1.30	0.30	
600	12.10	3.50	1.20	0.30	
620	12.10	3.50	1.20	0.30	
638	12.30	3.50	1.20	0.30	
660	12.10	3.50	1.20	0.30	
680	12.10	3.60	1.20	0.30	
700	12.00	3.50	1.20	0.30	
750	12.30	3.50	1.20	0.30	
999	11.90	3.50	1.20	0.30	
1248	11.80	3.40	1.20	0.30	
1499	11.50	3.40	1.20	0.30	
1520	11.50	3.40	1.20	0.30	
1539	11.40	3.40	1.20	0.30	
1559	11.40	3.40	1.20	0.30	
1579	11.60	3.40	1.20	0.30	
1599	11.40	3.40	1.20	0.30	
1620	11.60	3.40	1.20	0.30	
1641	11.70	3.40	1.20	0.30	
1660	11.40	3.40	1.20	0.30	
1681	11.60	3.40	1.20	0.30	
1700	11.50	3.40	1.20	0.30	
1750	11.60	3.40	1.20	0.30	
2000	11.50	3.40	1.20	0.30	
2250	11.50	3.40	1.20	0.30	
2500	11.30	3.40	1.20	0.30	
2750	11.20	3.40	1.20	0.30	
2999	11.00	3.40	1.20	0.30	
3100	11.00	3.30	1.20	0.30	
3120	11.00	3.30	1.20	0.30	
3140	11.00	3.40	1.20	0.30	
3160	11.00	3.30	1.20	0.30	
3180	10.90	3.30	1.20	0.30	
3199	11.10	3.40	1.20	0.30	
3220	11.00	3.30	1.20	0.30	
3238	10.90	3.30	1.20	0.30	
3259	11.10	3.30	1.20	0.30	
3280	11.00	3.30	1.20	0.30	
3300	11.00	3.30	1.20	0.30	
3500	10.90	3.30	1.20	0.30	
3750	10.80	3.30	1.20	0.30	
4000	9.20	2.90	0.90	0.30	
4250	9.30	2.90	0.90	0.30	
4500	9.20	2.90	0.90	0.30	
4750	9.20	2.80	0.90	0.30	
5000	9.20	2.80	0.90	0.30	
5250	9.00	2.80	0.90	0.30	
5499	8.70	2.70	0.90	0.30	
5750	8.80	2.80	0.90	0.30	
6000	9.20	2.80	0.90	0.30	
6251	8.80	2.80	0.90	0.30	
6499	9.00	2.70	0.90	0.30	
6750	8.50	2.70	0.90	0.30	
7000	8.30	2.70	0.90	0.30	
7250	8.60	3.00	1.10	0.40	
7500	9.20	2.90	1.10	0.40	
7750	9.00	3.10	1.20	0.30	
8000	9.50	3.10	1.20	0.30	
8250	9.40	3.10	1.20	0.30	
8500	9.20	3.10	1.20	0.30	
8750	9.30	3.00	1.20	0.40	
8800	9.20	3.00	1.20	0.30	
8809	9.20	3.10	1.20	0.30	
8820	9.20	3.10	1.20	0.40	
8830	9.20	3.00	1.20	0.30	
8839	9.10	3.00	1.20	0.30	
8850	9.40	3.00	1.20	0.30	
8861	9.30	3.10	1.20	0.40	
8870	9.30	3.00	1.20	0.30	
8880	9.30	3.00	1.20	0.30	
8889	9.20	3.10	1.20	0.40	
8900	9.30	3.00	1.20	0.40	
8910	9.20	3.00	1.20	0.40	
8921	9.20	3.10	1.20	0.40	
8930	9.10	3.00	1.20	0.30	
8940	9.20	3.10	1.20	0.30	
8950	9.20	3.10	1.20	0.30	
8961	9.20	3.10	1.20	0.30	
8970	9.20	3.10	1.20	0.30	
8980	9.20	3.10	1.20	0.30	
8990	9.10	3.00	1.20	0.40	
9000	9.00	3.00	1.20	0.30	
9010	9.10	3.00	1.20	0.30	
9021	9.10	3.00	1.20	0.40	
9033	9.10	3.00	1.20	0.40	

1375 COLLAR LOCATOR [MV] 2375
0 LINESPEED [MW] 200
60 TEMPERATURE [DEG F] 80
-2 DIFFERENTIAL TEMPERATURE [DEG F] 2
0.02 AUDIO DETECTION LOG (MV) 200