C:\DATA\FERNANDO FEE 35A.LAS

WELL ANALYSIS CORPORATION

AUDIO DETECTION SURVEY

WELL TYPE GS, OG	COMPANY: SOUTHERN CALIF. GAS CO. WELL: FERNANDO FEE 35A FIELD: ALISO CANYON COUNTY: LOS ANGELES STATE: CALIFORNIA
CB	LOCATION: DISTRICT 2 API NUMBER: 0403721457 SEC: 34 TWN: 3N RNG: 16W

OTHER SVC:

PERMANENT DATUM: GROUND LEVEL ELEV:

LOG MEASURED FROM KB 15' ABOVE PERM DATUM

DRILLING MEASURED FROM

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

DATE LOG RAN	03-21-2016	PRESSURE	FLOWING	INJECTION	SHUT-IN
RUN NUMBER	ONE	TUBING PSI			1096
EFFECTIVE DEPTH	7223'	CASING PSI			1096
PICKUP DEPTH	7204'	INJECTION RATE	N|A		
BOT LOGGED INT	7204'	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	155.6 F.	OIL Gr.	OIL =		
AT DEPTH	6845.5'	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. KARGAR				
DEPTH CORRELATION	LINER TOP				

C:\DATA\FERNANDO FEE 35A.LAS

Equipment Data

COLLAR LOCATOR	1.375"
TEMPERATURE TOOL	1.375"
AUDIO DETECTOR	1.375"

Remarks/Survey Results

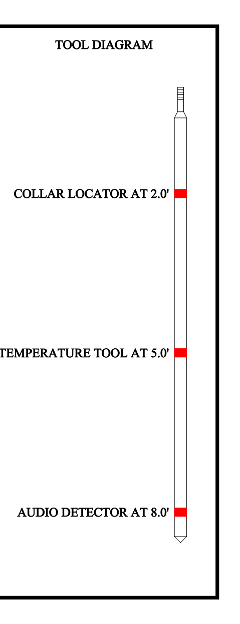
11:00 AM - ON LOCATION
11:20 AM - RAN IN HOLE
11:30 AM - BEGIN SURVEY
02:45 PM - PULL OUT OF HOLE
03:00 PM - OFF LOCATION
SAND TAG MARKERS: 6725' TOP MP
6962' TOP S1
7040' TOP S4
7120' TOP S8
7190' TOP HZ

CASING AND TUBING RECORD

SIZE	WT(#)	FROM	TO	SIZE	WT(#)	FROM	TO
13.375"	54.5	SURFACE	790'	3.500"	9.3	6975.9'	6985'
8.625"	36	SURFACE	7039'				
6.625"	32	6990.6'	7223'				
2.875"	6.5	SURFACE	6975.9'				

STR.	PIPE DIA.	PERFORATIONS
A	8.625"	WSO: 7029'.
A	6.625"	7027'-7223'.
		PACKERS: 6977.8'-6981.8'.
		NO-GO: 6925.4', 6964.6'.

TOOL DIAGRAM



Audio Data: c:\data\noise.txt

DEPTH	200HZ	600HZ	1000HZ	2000HZ
100	9.10	5.40	4.00	2.70
700	9.30	6.10	4.90	3.70
720	9.30	6.00	4.70	3.60
740	9.30	5.90	4.60	3.40
760	9.30	5.80	4.50	3.30
780	9.20	5.90	4.60	3.40
800	9.40	6.10	4.80	3.60
820	9.30	5.90	4.60	3.50
840	9.10	5.80	4.50	3.30
860	9.00	5.40	4.10	2.80
880	9.20	5.90	4.60	3.50
900	9.10	5.80	4.50	3.30
1000	9.20	5.90	4.60	3.50
1250	9.00	5.50	4.10	2.70
1500	9.00	5.50	4.20	2.90
1750	9.00	5.40	4.10	2.90
2000	8.80	5.30	4.00	2.70
2250	8.80	5.50	4.20	2.90
2500	8.90	5.80	4.60	3.40
2750	8.70	5.40	4.10	2.70
3000	8.50	5.40	4.10	2.70
3250	8.70	5.40	4.10	2.70
3500	8.50	5.50	4.20	3.00
3750	8.40	5.40	4.20	3.00
4000	8.50	5.30	4.10	2.80
4250	8.50	5.30	4.00	2.70
4500	8.20	5.20	3.90	2.60
4750	8.50	5.40	4.10	2.70
5000	8.80	6.00	4.80	3.50
5250	8.20	5.20	3.90	2.60
5500	8.30	5.30	4.00	2.60
5750	8.50	5.60	4.30	3.10
6000	8.80	5.80	4.40	3.10
6250	9.30	6.40	4.90	3.40
6500	10.50	7.90	6.50	4.70
6600	11.30	8.80	7.30	5.50
6620	11.10	8.70	7.10	5.20
6640	11.00	8.30	6.60	4.70
6660	11.10	8.60	7.00	4.90
6680	12.00	9.10	7.40	5.40
6700	12.10	9.60	8.10	6.10
6710	12.50	9.70	8.00	6.00
6720	12.00	9.20	7.60	5.50
6730	11.60	9.20	7.60	5.30
6740	12.50	10.40	8.90	6.90
6750	12.50	10.10	8.40	6.20
6760	12.20	9.90	8.20	6.00
6770	12.40	10.00	8.40	5.80
6780	12.80	10.10	8.50	6.10
6790	12.50	10.20	8.60	6.20
6800	12.80	10.50	8.90	6.20
6810	12.70	10.50	9.00	6.40
6820	12.60	10.20	8.60	6.00
6830	13.60	11.40	9.70	7.00
6840	13.40	11.10	9.60	7.10
6850	13.40	11.30	9.90	7.40
6860	13.40	11.10	9.60	7.10
6870	13.60	11.40	9.90	6.90
6880	13.60	11.30	9.90	6.90
6890	14.90	12.70	11.30	8.40
6900	14.80	12.30	10.80	8.00
6910	14.40	12.30	10.70	8.10
6920	15.40	12.60	11.10	8.10
6930	17.00	14.10	12.60	9.20
6940	27.40	19.40	15.00	10.50
6950	28.90	21.60	17.80	13.50
6960	29.90	22.30	17.70	12.20
6970	23.90	18.50	15.60	10.50
6980	18.40	15.00	12.60	9.80
6990	25.60	21.90	19.80	16.30
7000	24.20	20.60	19.70	15.00
7010	24.70	21.20	20.20	14.90
7020	23.80	20.20	19.20	13.50
7030	26.00	22.30	21.30	15.70
7040	28.60	25.20	24.50	18.50
7050	46.60	44.50	44.00	33.50
7100	23.70	22.30	21.70	17.50
7150	9.40	6.20	4.60	2.60
7204	10.30	7.40	6.30	5.00