WELL ANALYSIS CORPORATION

AUDIO DETECTION SURVEY

COMPANY: SOUTHERN CALIF. GAS CO.
WELL: PORTER 32C
FIELD: ALISO CANYON
COUNTY: LOS ANGELES STATE: CALIFORNIA

WELL TYPE
GS, OG

LOCATION:
DISTRICT 2

OTHER SVC:

API NUMBER: 0403721360
SEC: 27 TWN: 3N RNG: 16W

VS

-ELEVATIONS-
KB: 2092 Ft.
DF: Ft.
GL: 2075 Ft.

PERMANENT DATUM: GROUND LEVEL ELEV: 2075 FT.
LOG MEASURED FROM KB 17' ABOVE PERM DATUM
DRILLING MEASURED FROM

DATE LOG RAN	03-25-2016	PRESSURE	FLOWING	INJECTION	SHUT-IN
RUN NUMBER	ONE	TUBING PSI			1348
EFFECTIVE DEPTH	7436'	CASING PSI			1348
PICKUP DEPTH	7415'	INJECTION RATE	N/A		
BOT LOGGED INT	7415'	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	163.5 F.	OIL Gr.	N/A	OIL =	N/A
AT DEPTH	7291.5'	GAS Gr.	N/A	GAS=	N/A
TEMPERATURE SENS	1 F/DIV.	MPP	N/A	BHP =	N/A
LOGGING SPEED	VARIOUS			WATER=	N/A
RECORDED BY	C. BARAJAS				
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"		

Remarks/Survey Results

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SAND TAG MARKERS: 6767' TOP MP
                  7233' TOP S1
                  7346' TOP S4
                  7415' TOP S8
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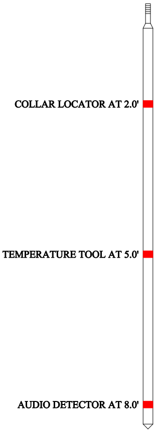
CASING AND TUBING RECORD

SIZE	WT(#)	FROM	TO	SIZE	WT(#)	FROM	TO
13.375"	48	SURFACE	820'	2.875"	6.5	SURFACE	7164'
8.625"	36	SURFACE	7345'				
6.625"	24	SURFACE	7160'				
6.625"	24	7261'	7435'				

STR.	PIPE DIA.	PERFORATIONS
A	8.625"	WSO: 7335', SQUEEZED: 3165'.
	6.625"	7348'-7431'.
		PATCH: 7374'-7389'.
		PACKERS: 7160'.
		MANDRELS: 7047'.
		SLEEVES: 7092'.
		J LATCH: 7160'.
		NO-GO: 7127'.
		STAGE COLLAR: 3127'.

TOOL DIAGRAM



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     Audio Data:  C:\data\NOISE.txt
--------------------------------------------------
   DEPTH |   200HZ |   600HZ |  1000HZ |  2000HZ |
--------------------------------------------------
     100 |    4.10 |    3.20 |    1.80 |    0.90 |
     250 |    4.00 |    3.20 |    1.80 |    0.90 |
     460 |    4.10 |    3.20 |    1.80 |    0.90 |
     480 |    3.70 |    3.20 |    1.80 |    0.90 |
     500 |    4.00 |    3.40 |    2.00 |    0.90 |
     520 |    3.80 |    3.20 |    1.80 |    0.90 |
     540 |    4.10 |    3.20 |    1.80 |    0.90 |
     560 |    3.80 |    3.20 |    1.80 |    0.90 |
     580 |    3.90 |    3.30 |    1.80 |    0.90 |
     600 |    3.70 |    3.20 |    1.80 |    0.90 |
     620 |    3.70 |    3.20 |    1.80 |    0.90 |
     640 |    3.90 |    3.20 |    1.80 |    0.90 |
     660 |    3.70 |    3.20 |    1.70 |    0.90 |
     680 |    3.70 |    3.20 |    1.80 |    0.90 |
     700 |    3.60 |    3.20 |    1.80 |    0.90 |
     720 |    3.70 |    3.20 |    1.70 |    0.90 |
     740 |    3.70 |    3.20 |    1.80 |    0.90 |
     760 |    3.60 |    3.10 |    1.70 |    0.90 |
     780 |    3.70 |    3.20 |    1.80 |    0.90 |
     800 |    3.60 |    3.20 |    1.80 |    0.90 |
     820 |    4.10 |    3.40 |    1.80 |    0.90 |
     840 |    3.90 |    3.20 |    1.80 |    0.90 |
     860 |    3.70 |    3.20 |    1.70 |    0.90 |
    1000 |    3.90 |    3.20 |    1.70 |    0.90 |
    1250 |    3.70 |    3.20 |    1.70 |    0.90 |
    1500 |    3.70 |    3.20 |    1.80 |    0.90 |
    1750 |    3.60 |    3.20 |    1.80 |    0.90 |
    2000 |    3.50 |    3.10 |    1.70 |    0.90 |
    2250 |    3.70 |    3.20 |    1.80 |    0.90 |
    2500 |    3.50 |    3.10 |    1.80 |    0.90 |
    2750 |    3.50 |    3.10 |    1.70 |    0.90 |
    3000 |    3.40 |    3.10 |    1.70 |    0.90 |
    3160 |    3.50 |    3.10 |    1.80 |    0.90 |
    3180 |    3.40 |    3.10 |    1.70 |    0.90 |
    3200 |    3.40 |    3.10 |    1.70 |    0.90 |
    3220 |    3.60 |    3.10 |    1.80 |    0.90 |
    3240 |    3.50 |    3.10 |    1.80 |    0.90 |
    3260 |    3.50 |    3.10 |    1.80 |    0.90 |
    3500 |    3.40 |    3.10 |    1.70 |    0.90 |
    3760 |    3.40 |    3.00 |    1.70 |    0.90 |
    3780 |    3.70 |    3.10 |    1.80 |    0.90 |
    3800 |    3.60 |    3.00 |    1.70 |    0.90 |
    3820 |    3.50 |    3.00 |    1.70 |    0.90 |
    3840 |    3.40 |    3.10 |    1.70 |    0.90 |
    3860 |    3.40 |    3.00 |    1.70 |    0.90 |
    3880 |    3.40 |    3.00 |    1.70 |    0.90 |
    3900 |    3.50 |    3.00 |    1.80 |    0.90 |
    3920 |    3.40 |    3.00 |    1.70 |    0.90 |
    3940 |    3.60 |    3.00 |    1.70 |    0.90 |
    3960 |    3.40 |    3.00 |    1.70 |    0.90 |
    3980 |    3.40 |    3.00 |    1.70 |    0.90 |
    4000 |    3.50 |    3.00 |    1.70 |    0.90 |
    4020 |    3.80 |    3.10 |    1.70 |    0.90 |
    4040 |    3.30 |    3.00 |    1.70 |    0.90 |
    4060 |    3.40 |    3.00 |    1.70 |    0.90 |
    4080 |    3.30 |    3.00 |    1.70 |    0.90 |
    4100 |    4.10 |    3.20 |    1.90 |    1.00 |
    4120 |    3.60 |    3.10 |    1.70 |    0.90 |
    4140 |    3.40 |    3.00 |    1.70 |    0.90 |
    4160 |    3.40 |    3.00 |    1.80 |    0.90 |
    4180 |    3.90 |    3.10 |    1.80 |    1.00 |
    4200 |    3.40 |    3.00 |    1.80 |    0.90 |
    4560 |    3.40 |    3.00 |    1.80 |    0.90 |
    4580 |    3.40 |    3.00 |    1.70 |    0.90 |
    4600 |    3.40 |    3.10 |    1.80 |    0.90 |
    4620 |    3.40 |    3.10 |    1.80 |    0.90 |
    4640 |    3.50 |    3.10 |    1.80 |    0.90 |
    4660 |    3.30 |    3.00 |    1.70 |    0.90 |
    4680 |    3.60 |    3.10 |    1.80 |    0.90 |
    4700 |    3.40 |    3.00 |    1.70 |    0.90 |
    4720 |    3.30 |    3.00 |    1.70 |    0.90 |
    4740 |    3.30 |    3.00 |    1.70 |    0.90 |
    4760 |    3.40 |    3.00 |    1.80 |    0.90 |
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4780	3.40	3.00	1.80	0.90
4800	3.40	3.00	1.70	0.90
4820	3.30	3.00	1.70	0.90
4840	3.60	3.20	1.90	1.00
4860	3.40	3.00	1.80	0.90
4880	3.30	3.00	1.70	0.90
4900	3.30	3.00	1.70	0.90
4920	3.30	3.00	1.70	0.90
4940	3.40	3.00	1.80	0.90
4960	3.60	3.00	1.80	0.90
4980	4.00	3.00	1.80	0.90
5000	3.60	3.10	1.90	1.00
5020	3.90	3.10	1.80	0.90
5250	3.40	3.00	1.80	0.90
5320	3.50	3.00	1.80	0.90
5340	3.40	3.00	1.80	0.90
5360	3.40	3.00	1.80	0.90
5380	3.80	3.20	2.00	1.00
5400	3.40	3.00	1.80	0.90
5420	3.40	3.00	1.80	0.90
5440	3.60	3.00	1.80	0.90
5460	3.70	3.10	1.80	1.00
5480	3.50	3.00	1.80	0.90
5500	3.40	3.00	1.80	0.90
5520	3.40	3.00	1.80	0.90
5540	3.40	3.00	1.80	0.90
5560	3.70	3.00	1.80	1.00
5750	3.30	3.00	1.80	0.90
6000	3.40	3.00	1.80	1.00
6250	3.30	2.90	1.80	1.00
6500	3.30	3.00	1.80	1.00
6750	3.30	3.00	1.80	1.00
6760	3.50	3.00	1.80	1.00
6770	3.30	3.00	1.80	1.00
6780	3.30	3.00	1.80	1.00
6790	3.30	3.00	1.80	1.00
6800	3.30	3.00	1.80	1.00
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6820	3.30	3.00	1.80	1.00
6830	3.30	3.00	1.80	1.00
6840	3.30	3.00	1.80	1.00
6850	3.30	3.00	1.80	1.00
6860	3.30	3.00	1.80	1.00
6870	3.40	3.00	1.80	1.00
6880	3.30	3.00	1.80	1.00
6890	3.30	3.00	1.80	1.00
6900	3.30	3.00	1.80	1.00
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6920	3.30	3.00	1.80	1.00
6930	3.30	3.00	1.80	1.00
6940	3.30	3.00	1.80	1.00
6950	3.30	3.00	1.80	1.00
6960	3.30	3.00	1.80	1.00
6970	3.30	3.00	1.80	1.00
6980	3.30	3.00	1.80	1.00
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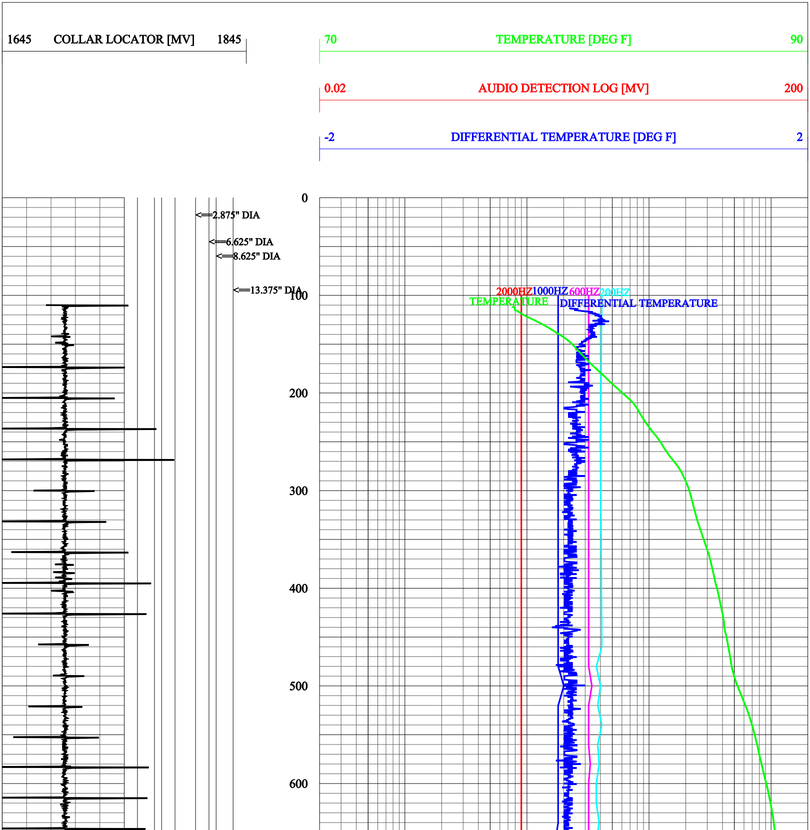
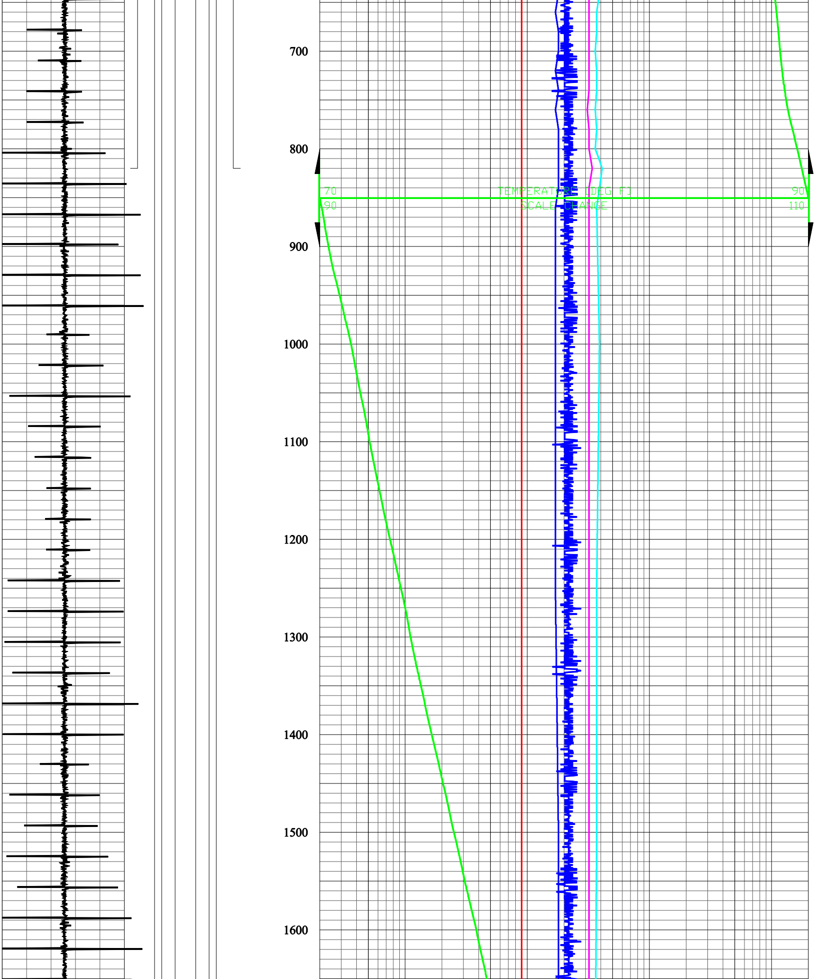
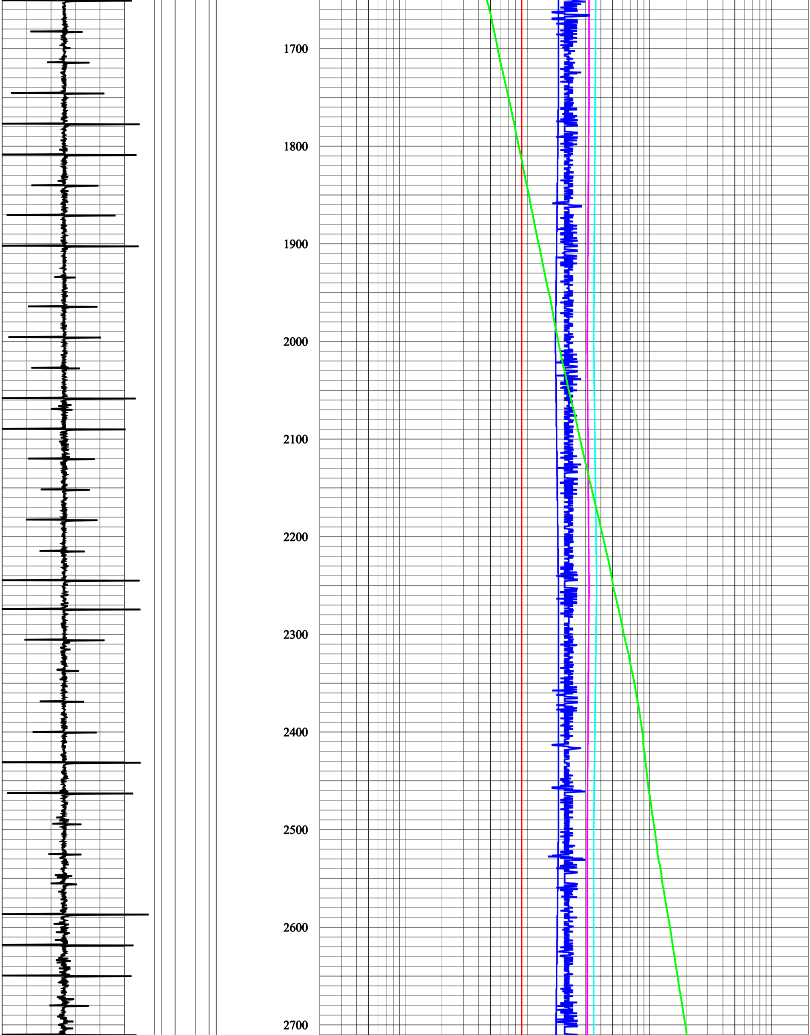
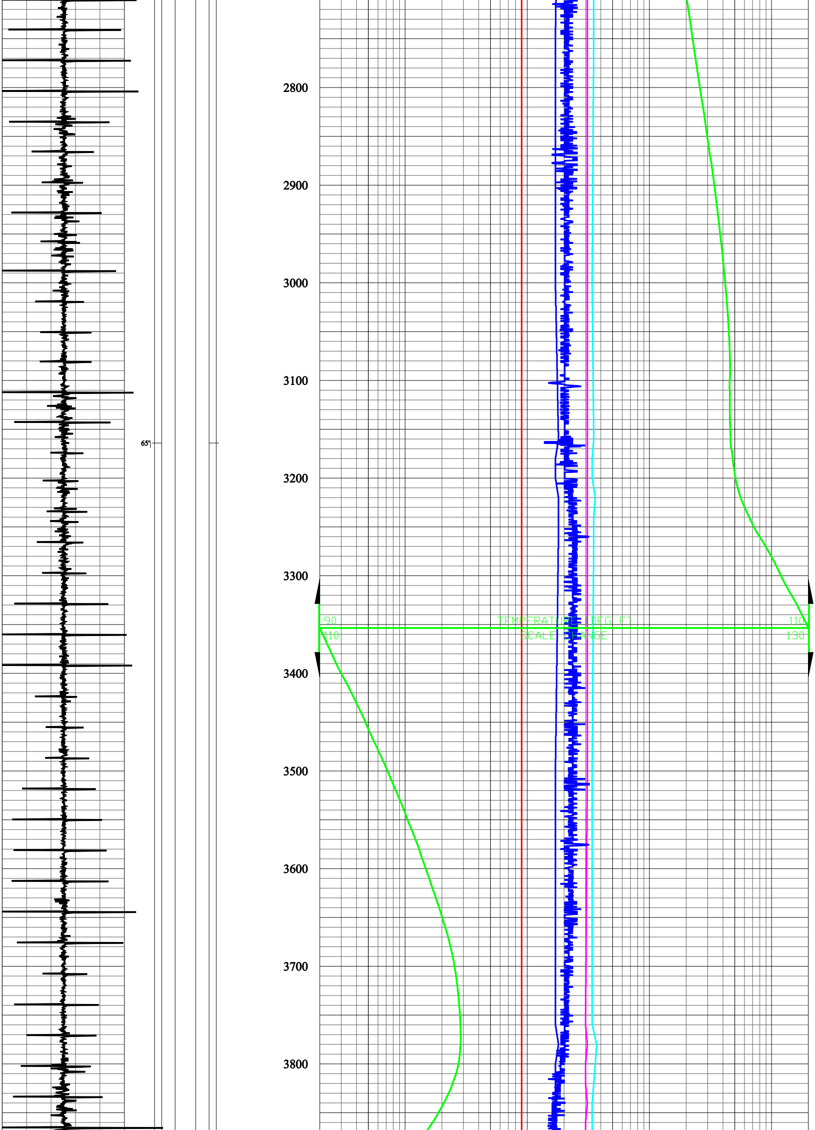
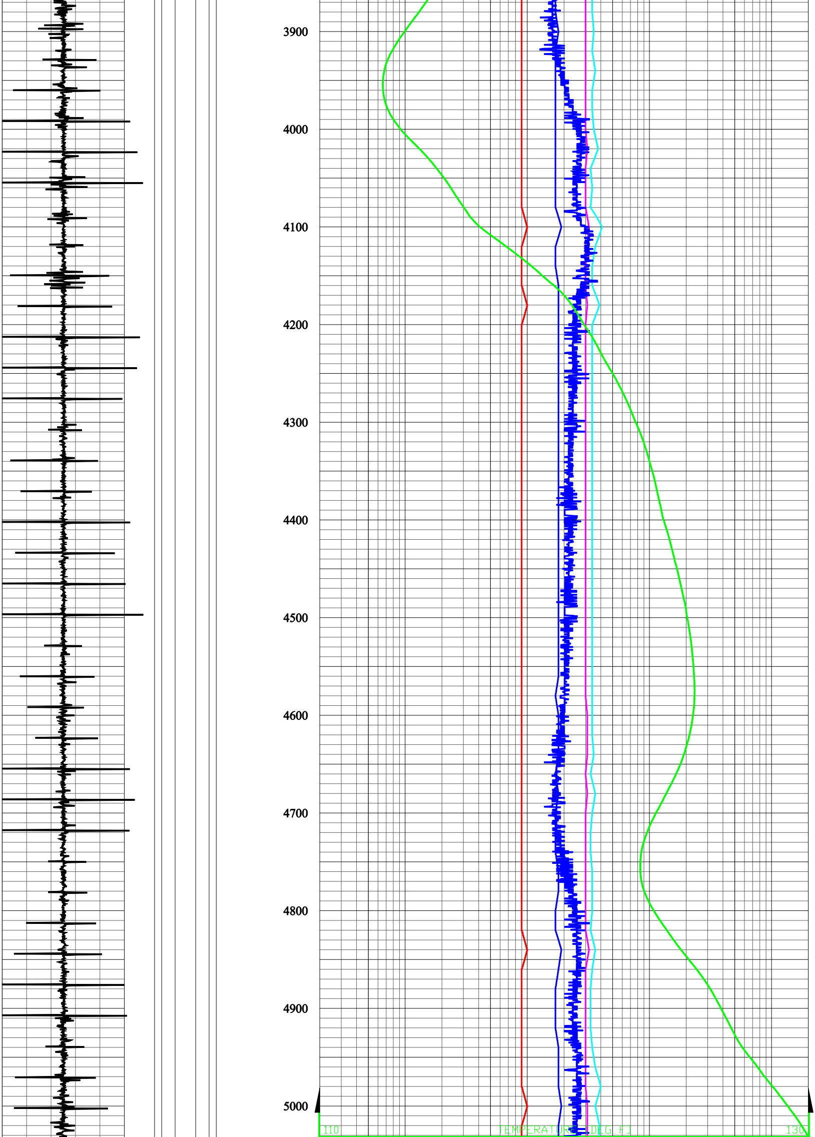
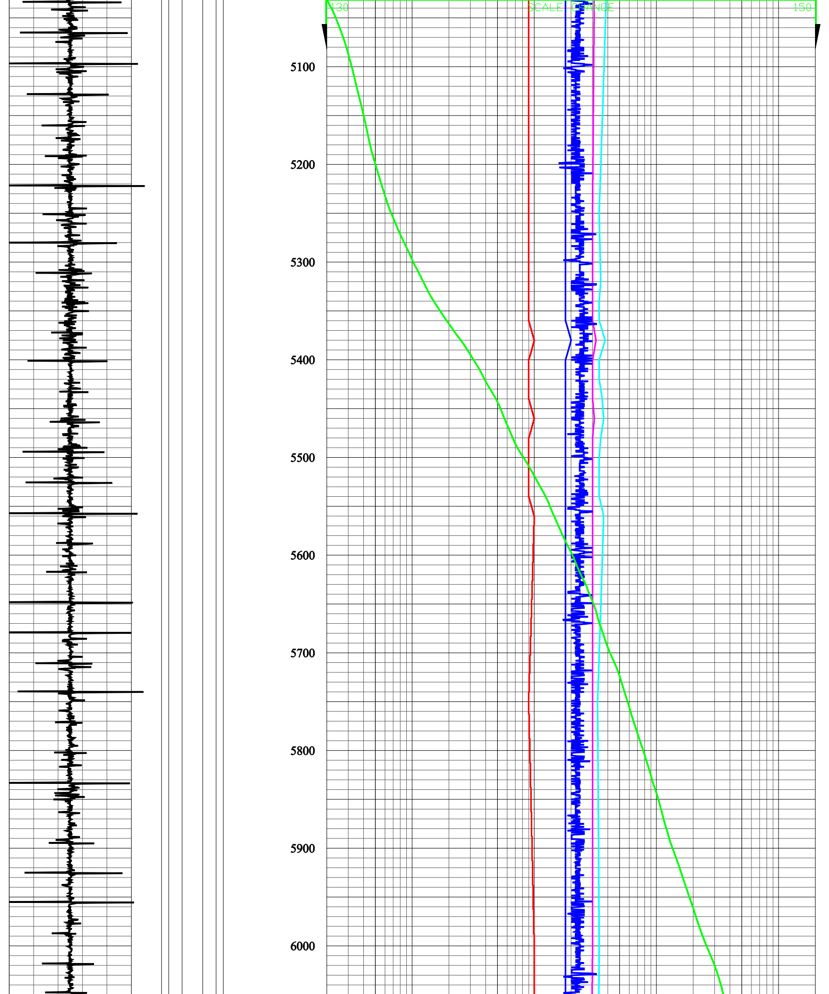
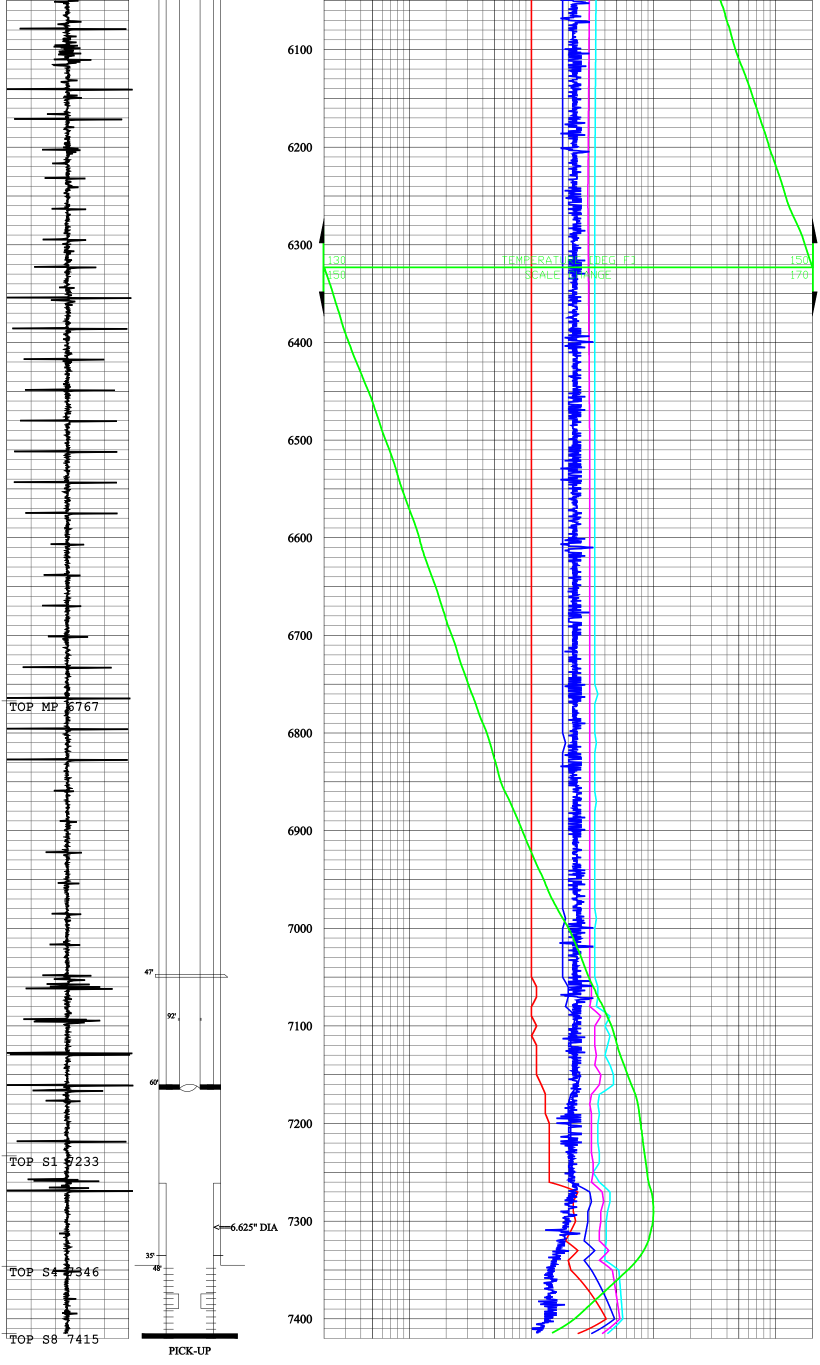
7050	3.30	3.00	1.80	1.00
7060	3.50	3.10	2.00	1.10
7070	3.50	3.10	2.00	1.10
7080	3.40	3.00	1.90	1.00
7090	4.40	3.70	2.30	1.00
7100	4.00	3.30	2.20	1.10
7110	4.40	3.30	2.10	1.00
7120	4.20	3.30	2.10	1.10
7130	4.00	3.40	2.30	1.10
7140	4.40	3.30	2.20	1.10
7150	4.70	3.70	2.50	1.10
7160	4.70	3.60	2.40	1.20
7170	3.60	3.10	2.10	1.30
7180	3.50	3.00	2.00	1.30
7190	3.60	3.10	2.00	1.30
7200	3.50	3.10	2.10	1.40

7210	3.50	3.10	2.10	1.40
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7240	3.60	3.20	2.10	1.40
7250	3.20	3.20	2.20	1.40
7260	3.60	3.10	2.10	1.40
7270	4.40	3.80	3.00	2.40
7280	4.40	3.90	3.10	2.20
7290	4.20	3.70	2.90	2.20
7300	4.10	3.70	2.90	2.30
7310	4.10	3.60	2.80	2.10
7320	4.10	3.60	2.70	1.90
7330	4.00	4.30	3.30	2.40
7340	4.00	3.60	2.70	2.00
7350	5.20	4.60	3.10	2.10
7400	5.60	5.30	4.80	4.10
7415	4.20	3.80	3.10	2.40