

KAUPPI

WIRELINER SERVICE

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Bottom Hole Pressure Report

Willow 1-10

3/8/2015

Wireline Operator: Shawn Rogers

Report Creator: Shawn Rogers

SS SPARTEK SYSTEMS
GEOPHYSICAL INSTRUMENTATION

Electronic Memory Recorders

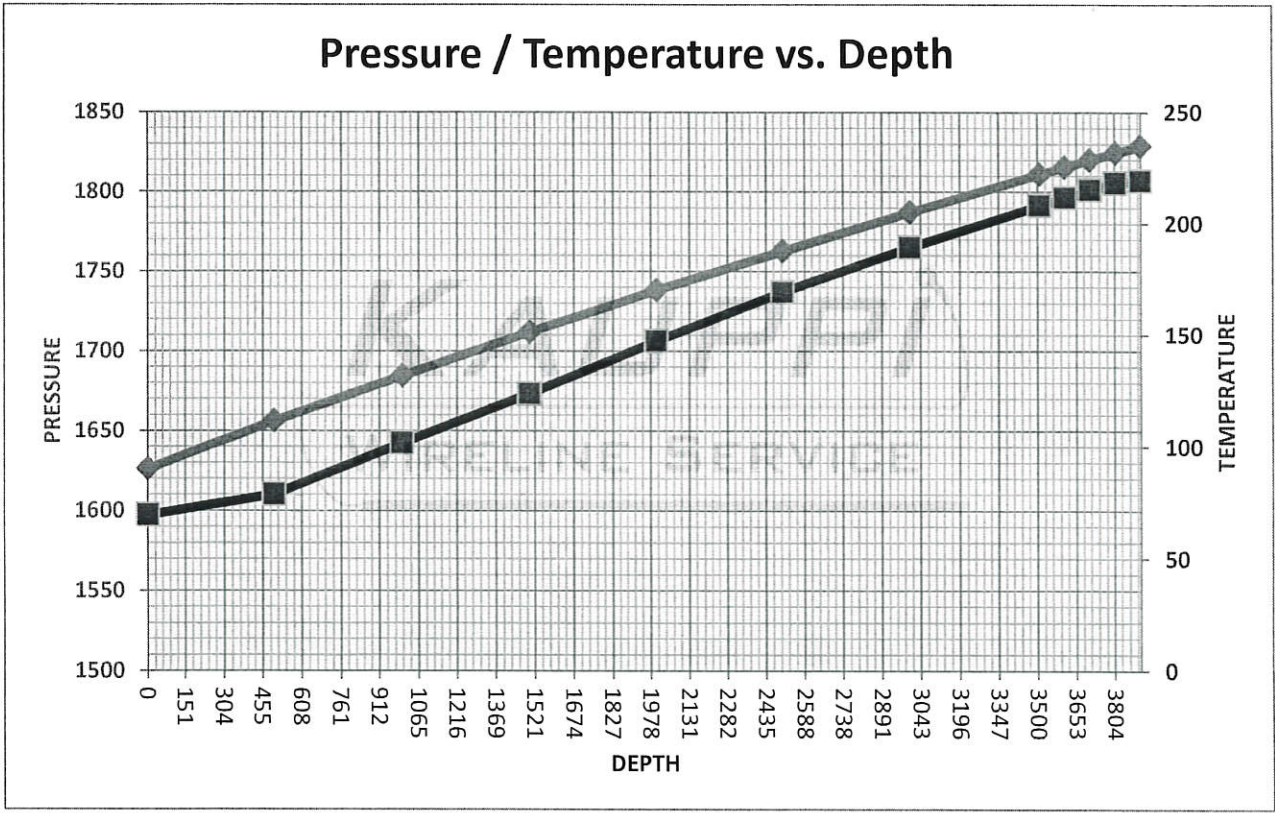
Surface and Downhole Systems
HPHT up to 30,000 psi and 200°C
Sapphire or Quartz Pressure
Fast Response Temperature
Memory and SRO Operations
Low Power
Large Memory Capacity
Real Time Redundant Memory



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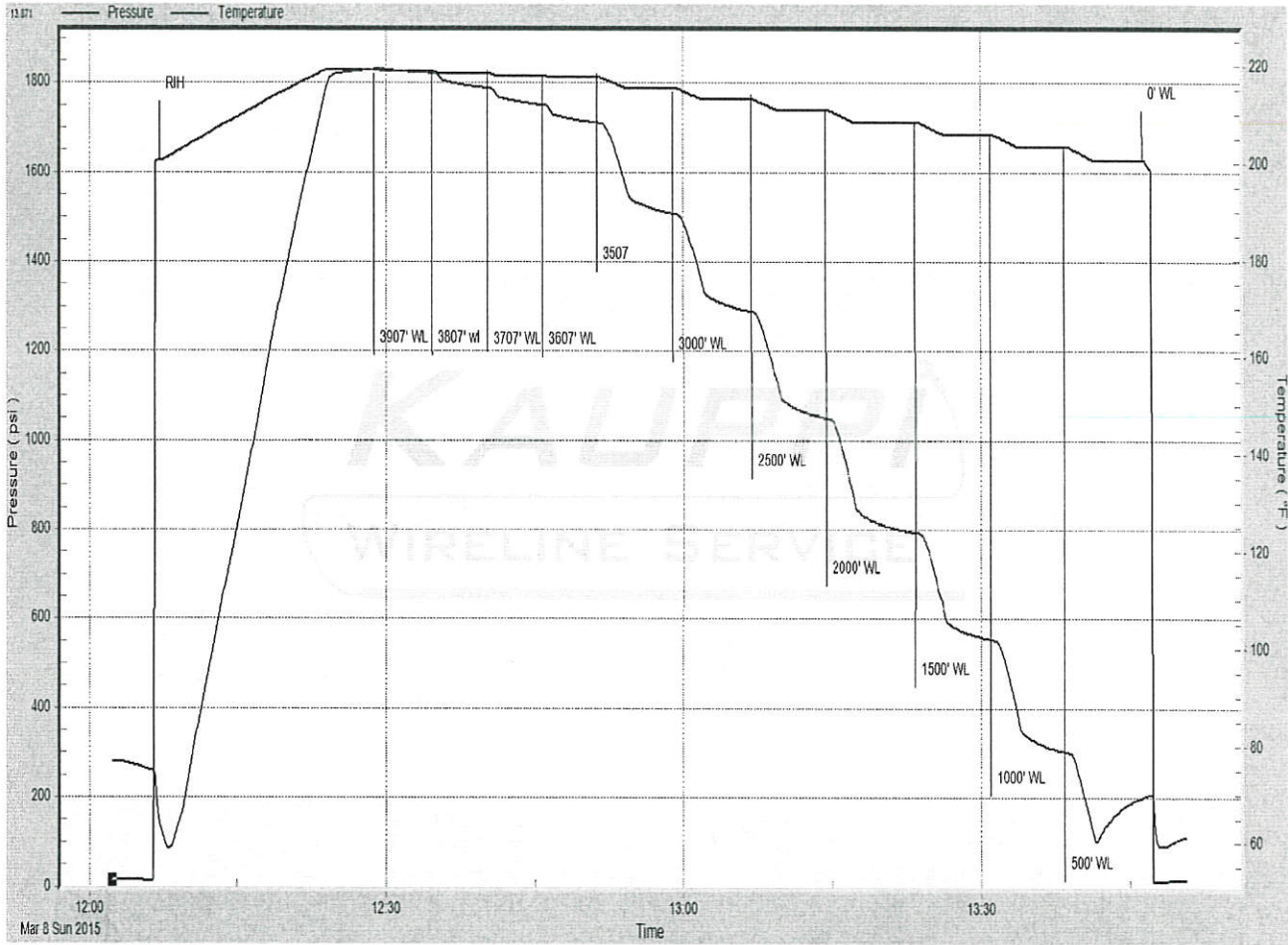
DEPTH	PRESSURE	GRADIENT	TEMP	TEMP GRADIENT
0	1626	0 to 500	69.54	0.018
500	1656.16	500 to 1000	78.68	0.046
1000	1684.54	1000 to 1500	101.73	0.044
1500	1711.84	1500 to 2000	123.72	0.047
2000	1738.23	2000 to 2500	147.3	0.044
2500	1762.72	2500 to 3000	169.3	0.040
3000	1787.05	3000 to 3507	189.39	0.037
3507	1811.05	3507 to 3607	208.14	0.035
3607	1815.56	3607 to 3707	211.68	0.036
3707	1820.03	3707 to 3807	215.24	0.031
3807	1824.47	3807 to 3907	218.3	0.009
3907	1828.75	3907 to 0	219.25	0.038

All pressures shown in PSI and all temperatures are in degrees Fahrenheit



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PRESSURE / TEMPERATURE VS. TIME



JOB LOG

12:05	12:24	1,614	RIH W / TANDEM ELECTRONIC BHP GAUGES TO 3907' WL
12:24	12:29		STOP @ 3907' WL
12:29	12:34		STOP @ 3807' WL
12:35	12:40		STOP @ 3707' WL
12:40	12:45		STOP @ 3607' WL
12:46	12:51		STOP @ 3507' WL
12:54	12:59		STOP @ 3000' WL
13:02	13:07		STOP @ 2500' WL
13:09	13:14		STOP @ 2000' WL
13:17	13:23		STOP @ 1500' WL
13:26	13:31		STOP @ 1000' WL
13:33	13:38		STOP @ 500' WL
13:41	13:46		STOP @ 0' WL
13:46	13:55		SURF W / GAUGES, DOWNLOAD AND VERIFY DATA
13:55	14:20		DATA GOOD / MAX BHP 1828 PSI, MAX BHT 219 DEG F, RIG DOWN WL UNIT
14:20			TRAVEL TO HAMILTON 1-17, TRAVEL TO BASE

GAUGES ON @: 12:02:20 PM
GAUGES OFF @: ????

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Comments:

Maximum bottom hole pressure was 1828.75 psi.

Maximum bottom hole temperature was 219.25 degrees F.

Average pressure gradient is .052 psi / ft.

Average temperature gradient is .038 degrees F / ft.

NO FLUID DETECTED

* Raw data will be sent as a separate excel file

SUPERIOR ENERGY SERVICES, INC.

BHP SUMMARY REPORT



Company: Bridge Energy
Field:
Lease & Well: Willow 1-10
County/Parish:

Date: 9/23/2010
Reservoir/Sand:
Service Ticket #:
State: Co

Completion Information - All Depths Are Measured Depths						Gauge Information	
Tubing Size		Mandrel Depths - MD				Gauge Serial Number	5354
Tubing Depth		#1				Pressure Rating	15,000
Casing Size		#2				Calibration Date	May-09
Casing Depth		#3				Gauge Type	Electronic
Liner Depth		#4				Manufacturer	Canada Tech
Total Depth		#5				Model	CT Shortline
Plug Back Total Depth		#6				Report Information	
Packer Type		#7				Client Contact	B. Galle
Packer Depth		#8				Gauge Operator	Grand Junction, CO
Perforated Interval		#9				District Location	P. Buckner
Shots / Foot		#10				Report Analyst	Broussard, LA
Elevation	12	#11				Analyst Location	337-837-8604
		#12				Phone Number	

Wireline Depth from THF	Measured Depth from RKB	TVD from RKB	Static Psi (psia)	Gradient (psi/ft.)	Static Temp. (°F)	Gradient (°F/ft.)	Gradient Plot																												
0	12	12	1627		79.8																														
3993	4005	4005	1841	0.054	222.3	0.036																													

Well Test Information						Survey Information		
Parameter	Going in Hole	Rate #1	Rate #2	Rate #3	Rate #4	This Test	Last Test	
Length Of Test	N/A					Casing Pressure	w/ gauge	N/A
Total Gas / mscf/d	N/A					Tbg. Pressure	w/ dwt	1627
Inj. Gas / mscf/d	N/A					Fluid Level	ft. (tvd)	N/A
BOPD / BCPD	N/A					Water Level	ft. (tvd)	N/A
BWPD	N/A					Maximum BHT	@ mid-perfs	N/A
Choke Size	N/A					Maximum BHP	@ mid-perfs	N/A
% BS & W	N/A					Hrs. Shut-in		N/A

Remarks: Max press 1846 psia **API #:**