

# KAUPPI

## WIRELINER SERVICE

Bottom Hole Pressure Report

ML Investments 1-11 LS

3/7/2015

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Wireline Operator: Shawn Rogers

Report Creator: Shawn Rogers

 **SPARTEK SYSTEMS**  
GEOPHYSICAL INSTRUMENTATION

### Electronic Memory Recorders

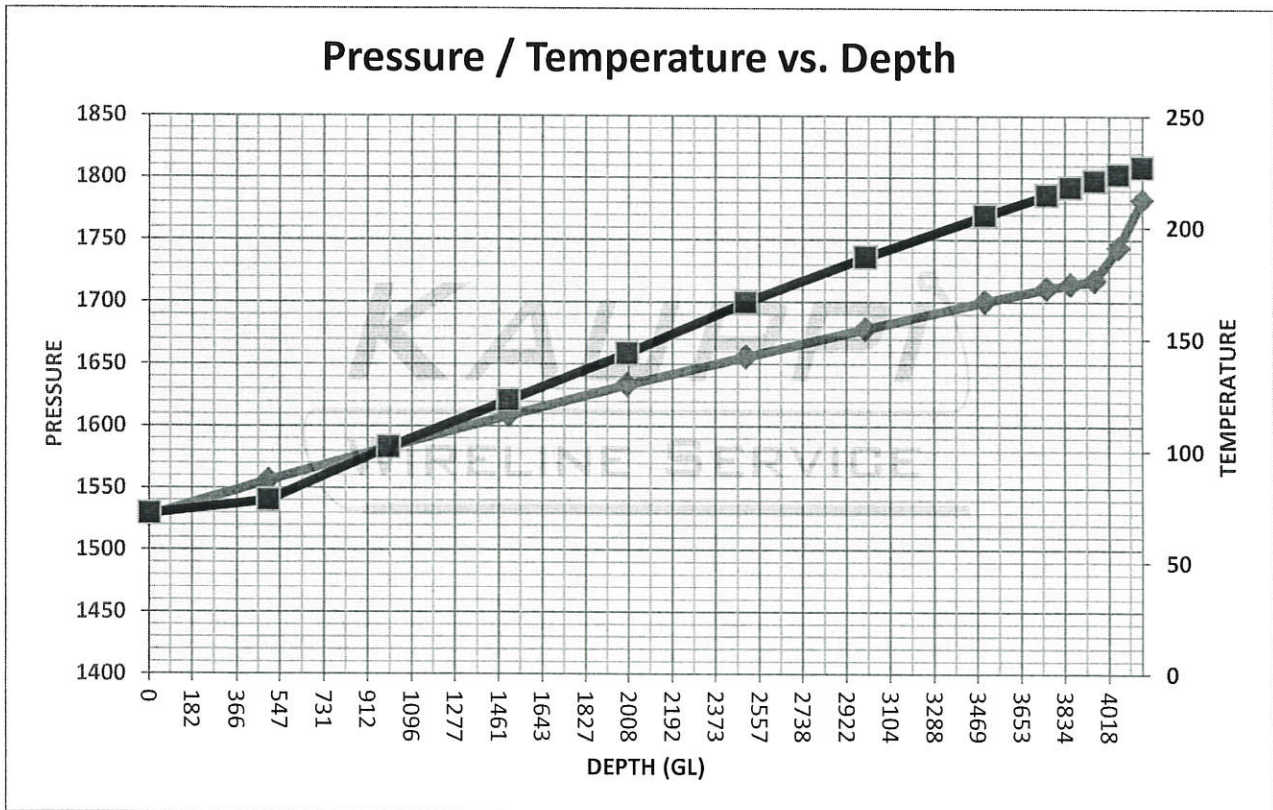
- Surface and Downhole Systems
- HPHT up to 30,000 psi and 200°C
- Sapphire or Quartz Pressure
- Fast Response Temperature
- Memory and SRO Operations
- Low Power
- Large Memory Capacity
- Real Time Redundant Memory



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DEPTH (GL)	PRESSURE	GRADIENT	TEMP	TEMP GRADIENT
0	1527.55	0 to 500	71.9	0.012
500	1556.28	500 to 1000	77.98	0.047
1000	1583.14	1000 to 1500	101.66	0.042
1500	1608.64	1500 to 2000	122.73	0.042
2000	1633.23	2000 to 2500	143.6	0.046
2500	1655.81	2500 to 3000	166.54	0.040
3000	1678.25	3000 to 3500	186.57	0.037
3500	1700.31	3500 to 3758	205.21	0.035
3758	1710.94	3758 to 3858	214.36	0.034
3858	1714.2	3858 to 3958	217.79	0.029
3958	1717.05	3958 to 4058	220.73	0.030
4058	1743.72	4058 to 4158	223.74	0.033
4158	1782.16	4158 to 0	227	0.037

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



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PRESSURE / TEMPERATURE VS. TIME



JOB LOG

11:45	12:04	1,495
12:04	12:09	
12:10	12:15	
12:15	12:20	
12:21	12:26	
12:26	12:31	
12:33	12:38	
12:40	12:45	
12:48	12:53	
12:55	13:00	
13:03	13:08	
13:11	13:16	
13:18	13:23	
13:26	13:31	
13:31	13:40	1,511
13:40		

RIH W / TANDEM ELECTRONIC BHP GAUGES TO 4158' GL  
STOP @ 4158' GL  
STOP @ 4058' GL  
STOP @ 3958' GL  
STOP @ 3858' GL  
STOP @ 3758' GL  
STOP @ 3500' GL  
STOP @ 3000' GL  
STOP @ 2500' GL  
STOP @ 2000' GL  
STOP @ 1500' GL  
STOP @ 1000' GL  
STOP @ 500' GL  
STOP @ 0' GL  
SURF W / GAUGES, DOWNLOAD AND VERIFY DATA  
DATA GOOD / MAX BHP 1782 PSI, MAX BHT 227 DEG F  
SWITCH TO SHORT STRING

GAUGES ON @: 11:41:10 AM  
GAUGES OFF @: 13:36:00 PM

Comments:

Maximum bottom hole pressure was 1782.16 psi.

Maximum bottom hole temperature was 227 degrees F.

Average pressure gradient is .061 psi / ft.

Average temperature gradient is .037 degrees F / ft.

Fluid was found @ 4000' GL and has a gradient of .384 psi / ft.

\* Raw data will be sent as a separate excell file

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