



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco, LLC
 2020 N. Bramblewood
 Wichita, KS 67206
 ATTN: Ryan White

22/1s/36w Rawlins KS

Michael #2-22

Job Ticket: 55082

DST#: 4

Test Start: 2013.09.15 @ 02:00:00

GENERAL INFORMATION:

Formation: **LKC "C"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:34:15
 Time Test Ended: 12:45:45
 Interval: **4135.00 ft (KB) To 4205.00 ft (KB) (TVD)**
 Total Depth: 4205.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: James Winder
 Unit No: 57
 Reference Elevations: 3142.00 ft (KB)
 3129.00 ft (CF)
 KB to GR/CF: 13.00 ft

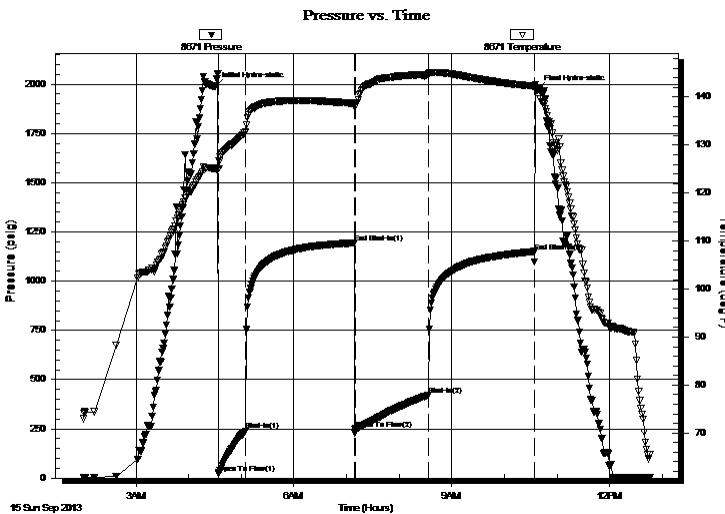
Serial #: 8671

Inside

Press @ Run Depth: 422.18 psig @ 4136.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.09.15 End Date: 2013.09.15 Last Calib.: 2013.09.15
 Start Time: 02:00:05 End Time: 12:45:45 Time On Btm: 2013.09.15 @ 04:30:45
 Time Off Btm: 2013.09.15 @ 10:37:15

TEST COMMENT: 30 - IF: Blow built to BOB (11") in 12 min.
 120 - IS: Blow back built to 1/2"
 90 - FF: Blow built to BOB in 18 min.
 120 - FS: Blow back built to 10 1/4"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1987.55	125.14	Initial Hydro-static
4	24.59	125.11	Open To Flow (1)
34	240.94	132.75	Shut-In(1)
159	1195.08	138.69	End Shut-In(1)
159	246.57	138.14	Open To Flow (2)
243	422.18	144.83	Shut-In(2)
364	1150.60	142.28	End Shut-In(2)
367	1970.12	141.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
528.00	SMCW w/OS 90%w, 8%m, 2%o	2.60
186.00	MW w/OS 56%w, 37%m, 4%g, 3%o	2.61
61.00	GOMW 32%w, 28%m, 25%o, 15%g	0.86
155.00	GO 85%o, 12%g, 3%m	2.17
0.00	GIP = 440'	0.00

* Recovery from multiple tests

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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FLUID SUMMARY

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ATTN: Ryan White

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Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 50.00 sec/qt
Water Loss: 6.00 in³
Resistivity: ohm.m
Salinity: 1200.00 ppm
Filter Cake: 2.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 29 deg API
Water Salinity: 15000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
528.00	SMCW w/OS 90%w , 8%m, 2%o	2.597
186.00	MW w/OS 56%w , 37%m, 4%g, 3%o	2.609
61.00	GOMW 32%w , 28%m, 25%o, 15%g	0.856
155.00	GO 85%o, 12%g, 3%m	2.174
0.00	GIP = 440'	0.000

Total Length: 930.00 ft Total Volume: 8.236 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: Gravity = 29.4 api @ 64 deg F Corrected Gravity = 29 api
RW = .493 ohms @ 63.2 deg F Chlorides = 15,000 ppm

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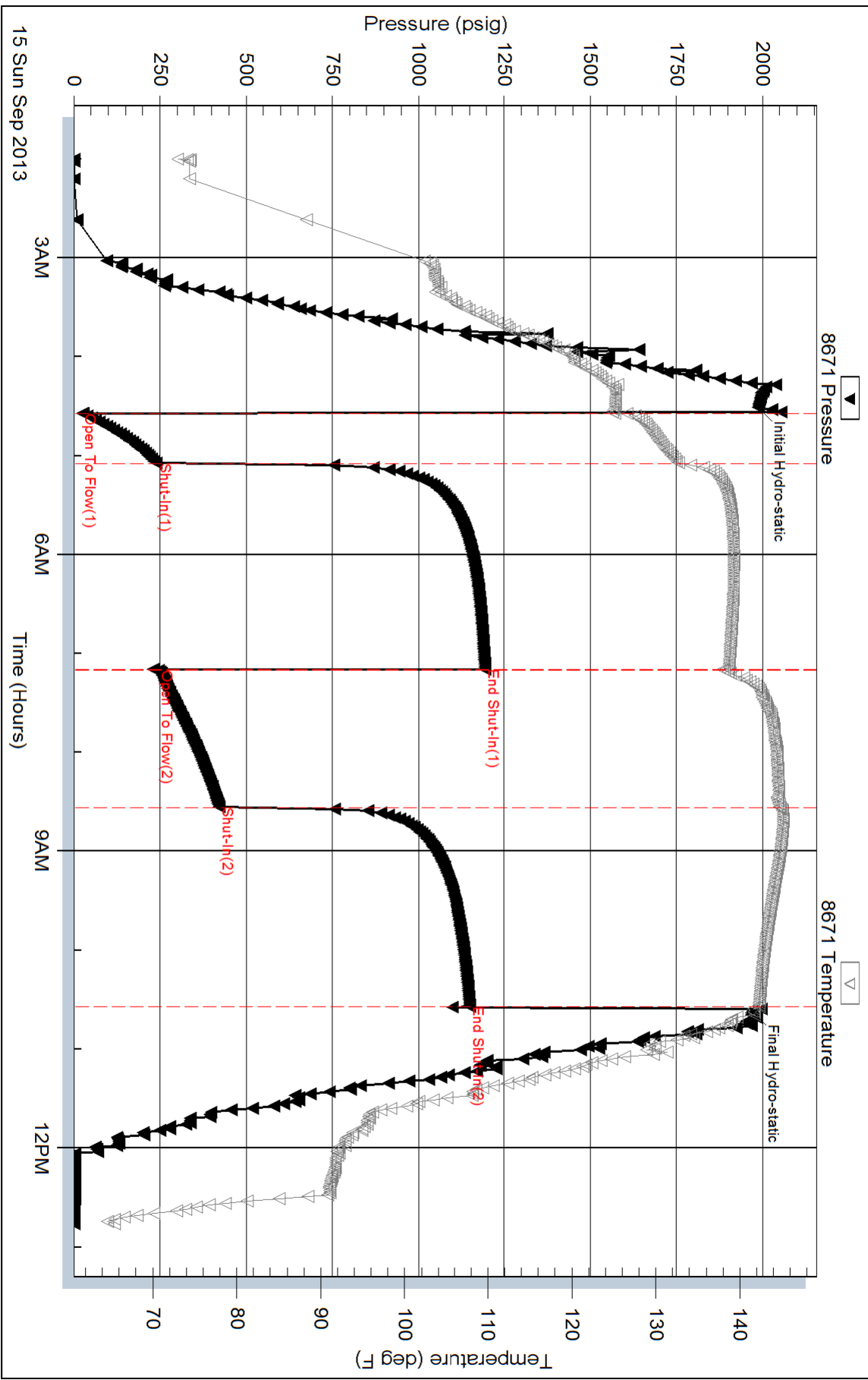
Inside

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DST Test Number: 4

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 55082

Printed: 2013.09.15 @ 23:53:34