



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco, LLC

17/2s/37w Cheyenne KS

2020 N. Bramblewood
Wichita, KS 67206

Ardene #2-17

Job Ticket: 63711

DST#: 4

ATTN: Bryan Bynog

Test Start: 2018.05.27 @ 13:38:00

GENERAL INFORMATION:

Formation: **LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:28:45

Time Test Ended: 22:12:00

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 83

Interval: 4290.00 ft (KB) To 4360.00 ft (KB) (TVD)

Reference Elevations: 3287.00 ft (KB)

Total Depth: 4360.00 ft (KB) (TVD)

3279.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8017 Outside

Press@RunDepth: 369.46 psig @ 4291.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.05.27 End Date: 2018.05.27

Last Calib.: 2018.05.27

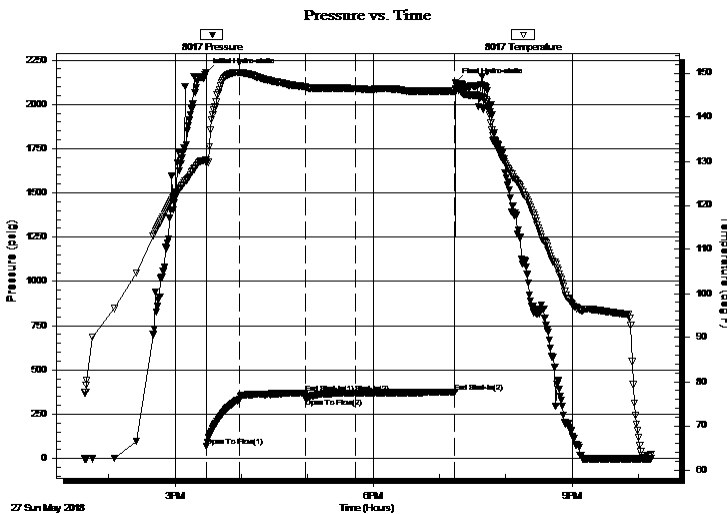
Start Time: 13:38:05 End Time: 22:12:00

Time On Btm: 2018.05.27 @ 15:28:30

Time Off Btm: 2018.05.27 @ 19:14:15

TEST COMMENT: 30 - IF: Blow built to BOB (11") at 3 1/2 min.
60 - IS: No blow back
45 - FF: Blow built to 4 1/2", died back to 1 1/2" at close
90 - FS: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2178.72	130.34	Initial Hydro-static
1	68.90	129.61	Open To Flow (1)
31	333.60	150.09	Shut-In(1)
90	369.13	146.81	End Shut-In(1)
91	340.52	146.78	Open To Flow (2)
135	369.46	146.50	Shut-In(2)
226	373.63	145.91	End Shut-In(2)
226	2121.56	146.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
115.00	WCM w/trace oil 80%m, 20%w	0.57
315.00	MCW w/trace oil 77%w, 23%m	4.42
370.00	WCM w/trace oil 65%m, 35%w	5.19

Gas Rates

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

* Recovery from multiple tests



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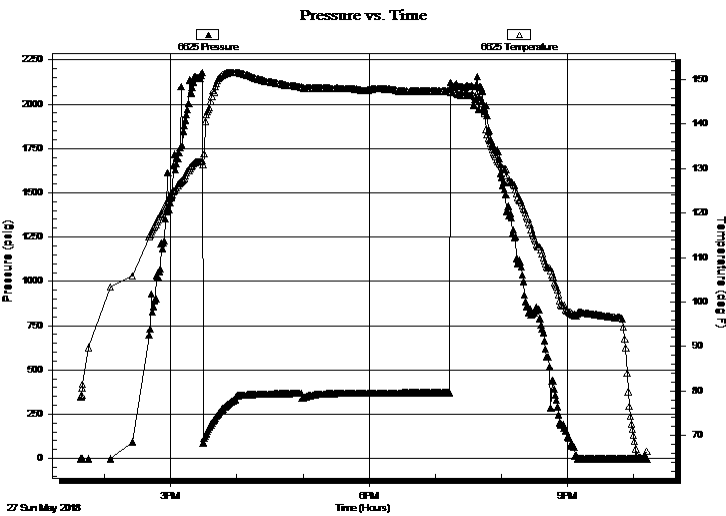
17/2s/37w Cheyenne KS
Ardene #2-17
 Job Ticket: 63711 **DST#: 4**
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 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 15:28:45 Tester: James Winder
 Time Test Ended: 22:12:00 Unit No: 83
 Interval: **4290.00 ft (KB) To 4360.00 ft (KB) (TVD)** Reference Elevations: 3287.00 ft (KB)
 Total Depth: 4360.00 ft (KB) (TVD) 3279.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 6625 Inside
 Press@RunDepth: psig @ 4291.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.05.27 End Date: 2018.05.27 Last Calib.: 2018.05.27
 Start Time: 13:38:05 End Time: 22:12:15 Time On Btm:
 Time Off Btm:

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Recovery

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FLUID SUMMARY

Berexco, LLC

17/2s/37w Cheyenne KS

2020 N. Bramblewood
Wichita, KS 67206

Ardene #2-17

Job Ticket: 63711

DST#: 4

ATTN: Bryan Bynog

Test Start: 2018.05.27 @ 13:38:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
115.00	WCM w/trace oil 80%m, 20%w	0.566
315.00	MCW w/trace oil 77%w, 23%m	4.419
370.00	WCM w/trace oil 65%m, 35%w	5.190

Total Length: 800.00 ft Total Volume: 10.175 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

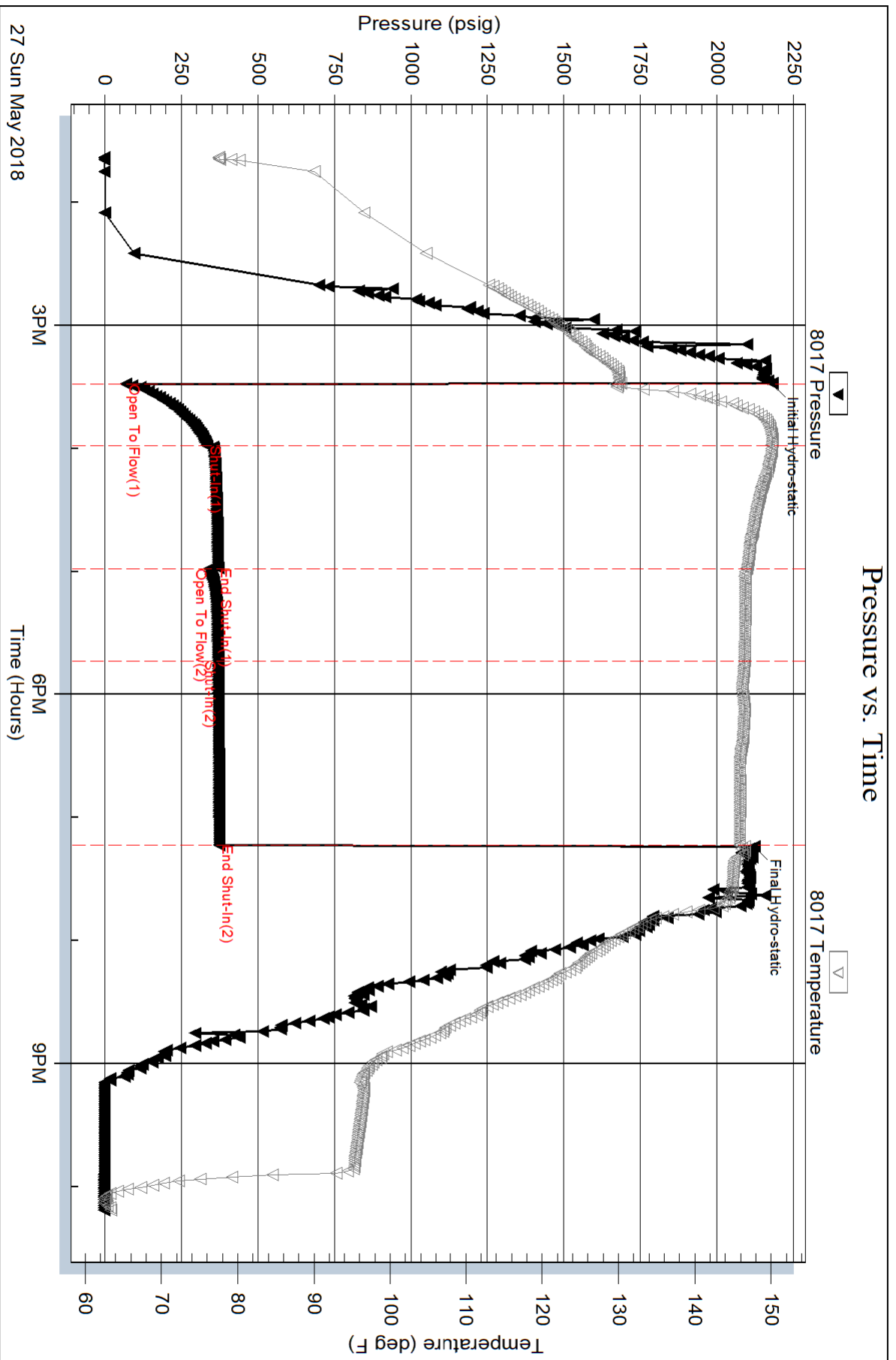
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .238 ohms @ 67.5 deg F Chlorides = 31,000 ppm

Pressure vs. Time



Serial #: 6625

Inside

Berexco, LLC

Ardene#2-17

DST Test Number: 4

