



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Fourw inds Petro Corp

35 4 21 Norton KS

PO Box 1063
Hays KS 67601

Vanloenen Unit 1

Job Ticket: 62609

DST#: 5

ATTN: Jeff Lawler

Test Start: 2014.12.01 @ 09:00:00

GENERAL INFORMATION:

Formation: **LKC "F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:31:30

Time Test Ended: 15:38:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Robert Zodrow

Unit No: 49

Interval: 3290.00 ft (KB) To 3309.00 ft (KB) (TVD)

Reference Elevations: 2001.00 ft (KB)

Total Depth: 3490.00 ft (KB) (TVD)

1999.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 2.00 ft

Serial #: 8521 Inside

Press@RunDepth: 128.26 psig @ 3291.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.12.01

End Date:

2014.12.01

Last Calib.:

2014.12.01

Start Time: 09:00:05

End Time:

15:37:59

Time On Btm:

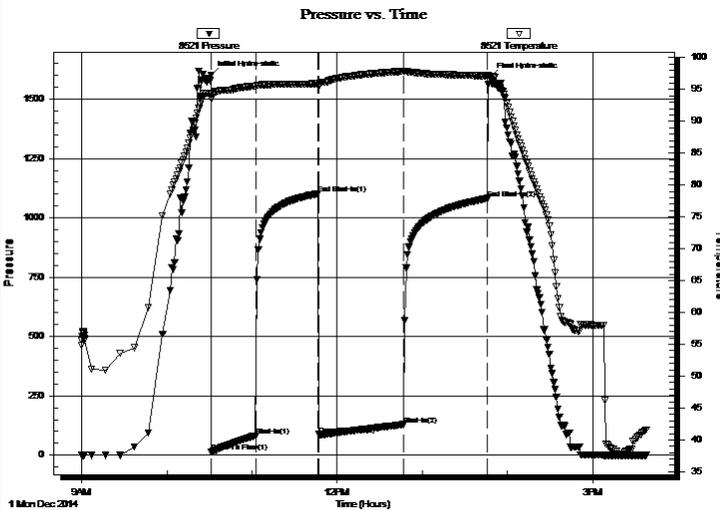
2014.12.01 @ 10:31:00

Time Off Btm:

2014.12.01 @ 13:47:30

TEST COMMENT: 30-ISI- Blow built 7 3/4"
45-ISI- No return
60-FF- Bob in 55 mins
60-FSI- No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1600.95	94.35	Initial Hydro-static
1	12.39	93.57	Open To Flow (1)
32	82.01	95.55	Shut-In(1)
76	1102.17	95.90	End Shut-In(1)
76	86.50	95.42	Open To Flow (2)
136	128.26	97.87	Shut-In(2)
195	1082.15	97.14	End Shut-In(2)
197	1593.49	96.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
250.00	MW 15%M 85%W	2.18

Gas Rates

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

* Recovery from multiple tests



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TESTING, INC**

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FLUID SUMMARY

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Job Ticket: 62609

DST#: 5

ATTN: Jeff Lawler

Test Start: 2014.12.01 @ 09:00:00

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:

67000 ppm

Viscosity: 43.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
250.00	MW 15%M 85%W	2.181

Total Length: 250.00 ft Total Volume: 2.181 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

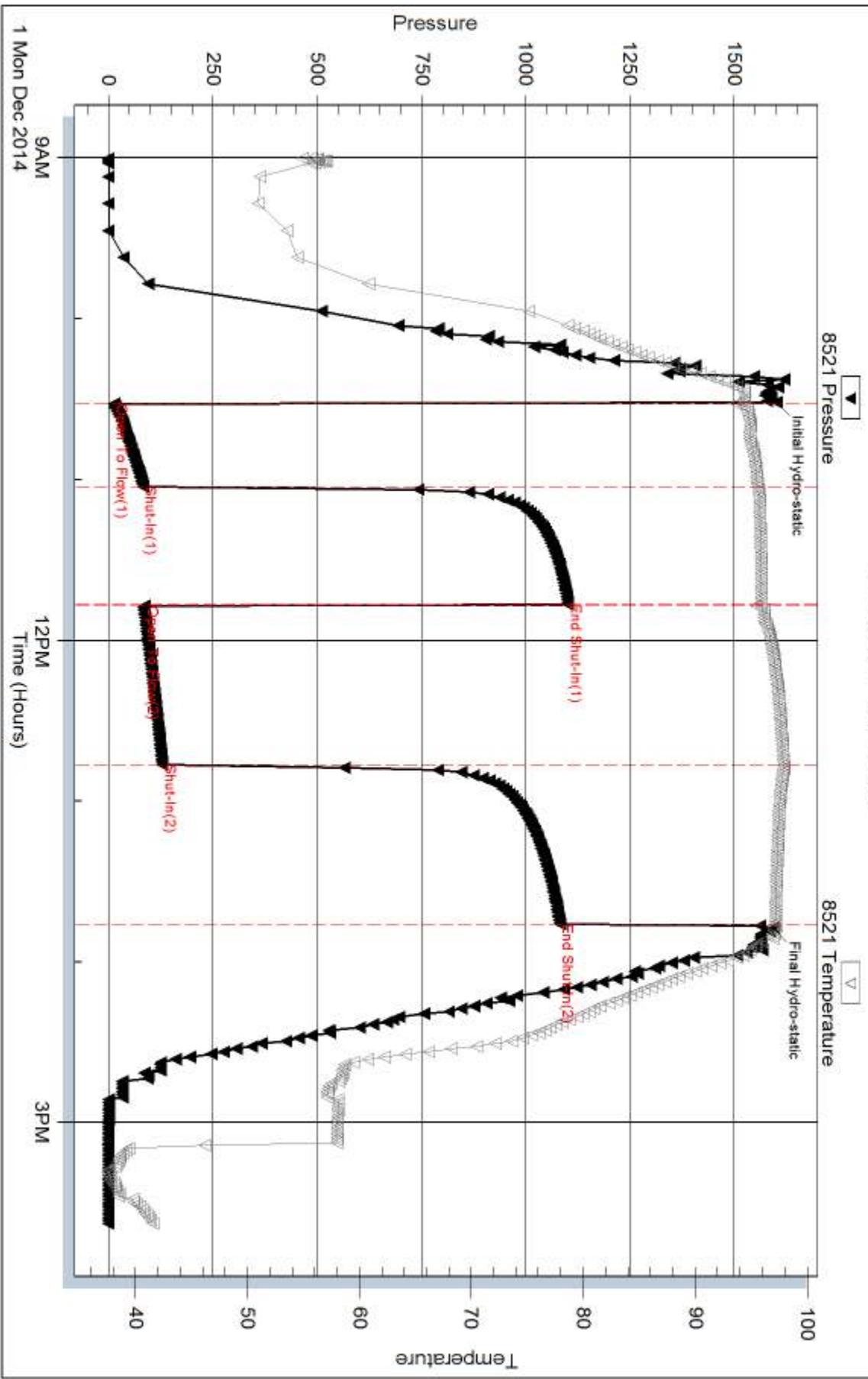
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .183 @ 47.5 deg F =67000

Pressure vs. Time



Serial #: 6741

Below (Str Fiddle)inds Petro Corp

Vanloenen Unit 1

DST Test Number: 5

