



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Darrah Oil Company LLC

22 - 2S. - 27W Decatur, KS

125 N. Market
Suite 1425
Wichita, KS 67202
ATTN: Roger Martin

Long # 3-22

Job Ticket: 65348

DST#: 4

Test Start: 2019.03.21 @ 00:39:00

GENERAL INFORMATION:

Formation: **LKC " B - F "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:14:10

Time Test Ended: 06:39:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 82

Interval: 3532.00 ft (KB) To 3583.00 ft (KB) (TVD)

Reference Elevations: 2627.00 ft (KB)

Total Depth: 3583.00 ft (KB) (TVD)

2622.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8959

Inside

Press@RunDepth: 38.29 psig @ 3533.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.03.21

End Date:

2019.03.21

Last Calib.:

2019.03.21

Start Time: 00:39:01

End Time:

06:39:40

Time On Btm:

2019.03.21 @ 02:14:00

Time Off Btm:

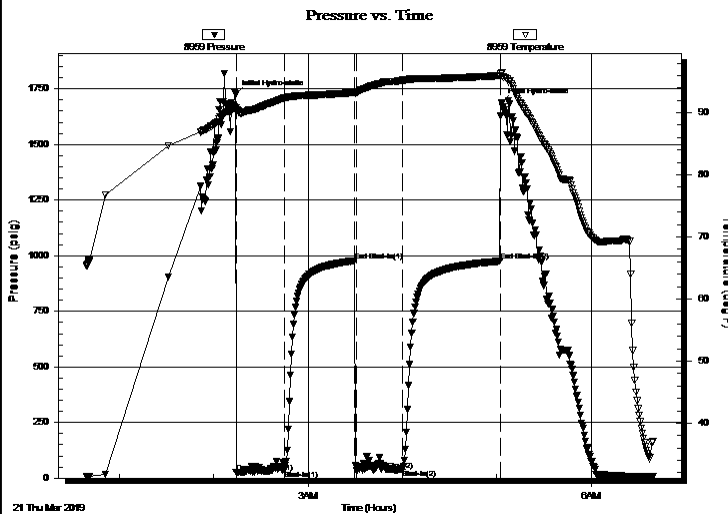
2019.03.21 @ 05:03:20

TEST COMMENT: 30-IF-S.blow built to 2 1/4"

45-ISI-No blow

30-FF-S.blow @ 2 mins built to 1 1/2"

60-FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1725.83	90.84	Initial Hydro-static
1	24.37	90.27	Open To Flow (1)
31	35.12	92.37	Shut-In(1)
76	976.67	93.24	End Shut-In(1)
77	33.92	93.29	Open To Flow (2)
106	38.29	95.23	Shut-In(2)
169	975.15	95.97	End Shut-In(2)
170	1688.31	96.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
35.00	SOSM 1%O, 99%M	0.49
0.00	Tool Sample SOSM 2%O, 98%M	0.00

Gas Rates

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

* Recovery from multiple tests



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2622.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8734 Outside

Press@RunDepth: psig @ 3533.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.03.21

End Date:

2019.03.21

Last Calib.:

2019.03.21

Start Time: 00:39:01

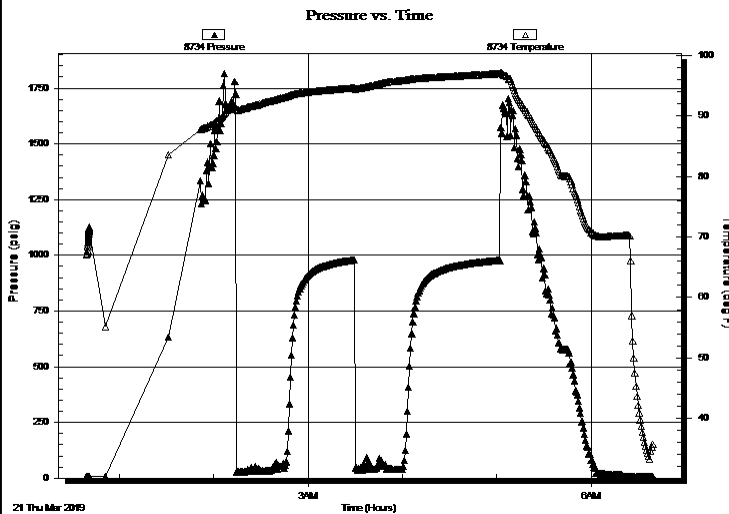
End Time:

06:39:50

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IF-S.blow built to 2 1/4"
45-ISI-No blow
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PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
35.00	SOSM 1%O, 99%M	0.49
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Gas Rates

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

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FLUID SUMMARY

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22 - 2S. - 27W Decatur,KS

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Long # 3-22

Job Ticket: 65348

DST#: 4

Test Start: 2019.03.21 @ 00:39:00

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: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
35.00	SOSM 1%O, 99%M	0.491
0.00	Tool Sample SOSM 2%O, 98%M	0.000

Total Length: 35.00 ft Total Volume: 0.491 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

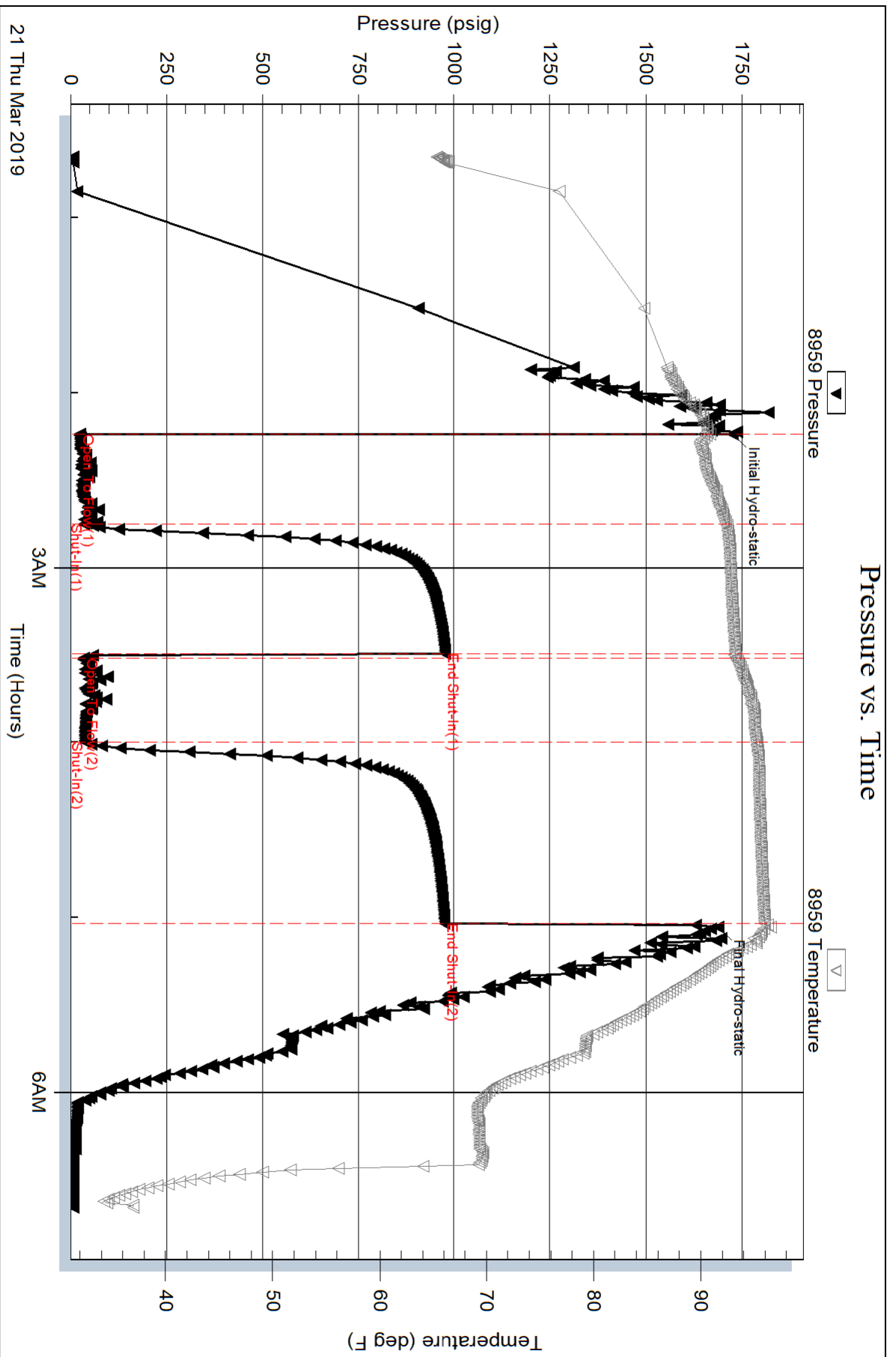
Serial #: 8959

Inside

Darrah Oil Company LLC

Long #3-22

DST Test Number: 4



Serial #: 8734

Outside Darrah Oil Company LLC

Long #3-22

DST Test Number: 4

