



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prater Oil & Gas Oper., Inc.

2-27s-12w Pratt Co., Ks.

10356 Bluestem BLVD
Pratt, Ks. 67124

Fisher # 1

Job Ticket: 64946

DST#: 1

ATTN: Kent Roberts

Test Start: 2019.10.01 @ 06:38:43

GENERAL INFORMATION:

Formation: **LKC " B " Zone**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:05:28

Time Test Ended: 15:01:43

Test Type: Conventional Bottom Hole (Initial)

Tester: Matt Smith

Unit No: 68

Interval: 3716.00 ft (KB) To 3740.00 ft (KB) (TVD)

Reference Elevations: 1874.00 ft (KB)

Total Depth: 3740.00 ft (KB) (TVD)

1863.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8931

Inside

Press@RunDepth: 23.49 psig @ 3717.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.10.01

End Date:

2019.10.01

Last Calib.: 2019.10.01

Start Time: 06:38:48

End Time:

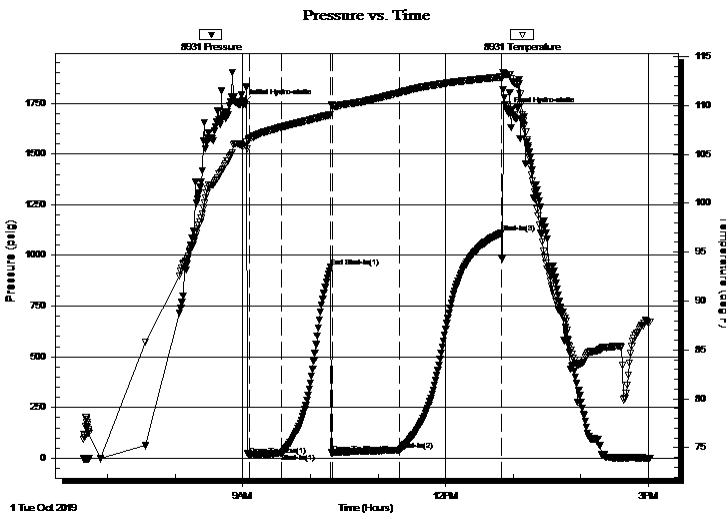
15:01:42

Time On Btm: 2019.10.01 @ 09:00:58

Time Off Btm: 2019.10.01 @ 12:54:58

TEST COMMENT: IF: Strong Blow . B.O.B. in 28 mins. Built to 12.65".
IS: No Blow .
FF: Strong Blow . B.O.B. in 29 mins. Built to 16.41".
FS: No Blow .

PRESSURE SUMMARY



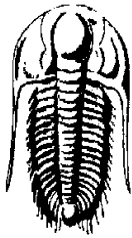
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1746.49	105.89	Initial Hydro-static
5	16.96	106.62	Open To Flow (1)
33	23.49	107.78	Shut-In(1)
77	941.57	109.06	End Shut-In(1)
79	26.30	110.07	Open To Flow (2)
138	40.29	111.30	Shut-In(2)
229	1110.82	112.92	Shut-In(3)
234	1708.94	113.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
118.00	GOWCM 15%g 25%o 5%w 55%m	0.90
3.00	OCM 80%o 20%m	0.02
0.00	314' G.I.P. 100%g	0.00

Gas Rates

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



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Fisher # 1

Job Ticket: 64946

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1863.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8788 Outside

Press@RunDepth: psig @ 3717.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.10.01

End Date: 2019.10.01

Last Calib.: 2019.10.01

Start Time: 06:39:01

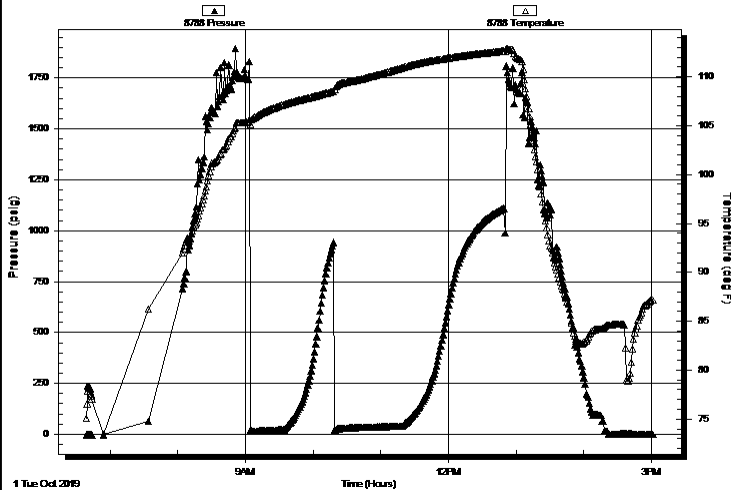
End Time: 15:01:55

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Strong Blow . B.O.B. in 28 mins. Built to 12.65".
IS: No Blow .
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FS: No Blow .

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
118.00	GOWCM 15%g 25%o 5%w 55%m	0.90
3.00	OCM 80%o 20%m	0.02
0.00	314' G.I.P. 100%g	0.00

Gas Rates

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



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FLUID SUMMARY

Prater Oil & Gas Oper., Inc.

2-27s-12w Pratt Co., Ks.

10356 Bluestem BLVD
Pratt, Ks. 67124

Fisher # 1

Job Ticket: 64946

DST#: 1

ATTN: Kent Roberts

Test Start: 2019.10.01 @ 06:38:43

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:

3500 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 3500.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
118.00	GOWCM 15%g 25%o 5%w 55%m	0.899
3.00	OCM 80%o 20%m	0.023
0.00	314' G.I.P. 100%g	0.000

Total Length: 121.00 ft Total Volume: 0.922 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: None

Laboratory Name:

Laboratory Location:

Recovery Comments: 314 Ft G.I.P.

Serial #: 8931

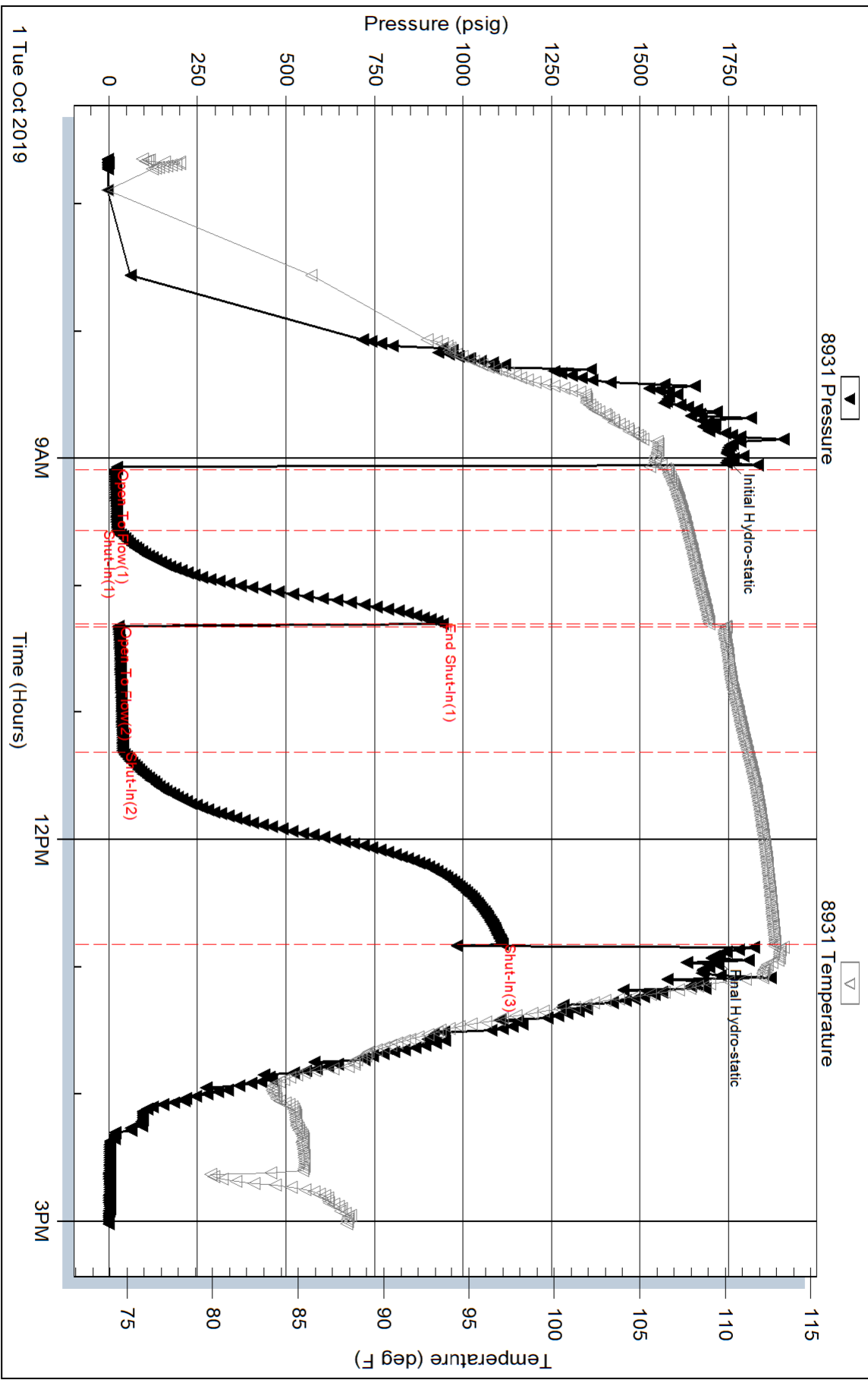
Inside

Prater Oil & Gas Oper., Inc.

Fisher # 1

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 64946

Printed: 2019.10.01 @ 15:32:45

Serial #: 8788

Outside Prater Oil & Gas Oper., Inc.

Fisher # 1

DST Test Number: 1

