



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prater Oil & Gas Oper., Inc.
 10356 Bluestem BLVD
 Pratt, Ks. 67124
 ATTN: Kent Roberts

2-27s-12w Pratt Co., Ks.
Fisher # 1
 Job Ticket: 64947 **DST#: 2**
 Test Start: 2019.10.02 @ 15:21:41

GENERAL INFORMATION:

Formation: **Mississippi Chert**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:49:26
 Time Test Ended: 00:10:56
 Interval: **4115.00 ft (KB) To 4194.00 ft (KB) (TVD)**
 Total Depth: 4194.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Matt Smith
 Unit No: 68
 Reference Elevations: 1874.00 ft (KB)
 1863.00 ft (CF)
 KB to GR/CF: 11.00 ft

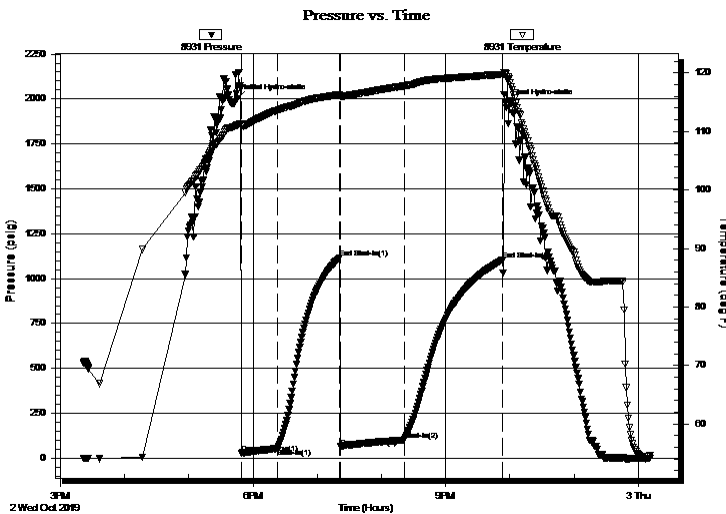
Serial #: 8931

Inside

Press@RunDepth: 100.90 psig @ 4116.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.10.02 End Date: 2019.10.03 Last Calib.: 2019.10.03
 Start Time: 15:21:46 End Time: 00:10:56 Time On Btm: 2019.10.02 @ 17:45:41
 Time Off Btm: 2019.10.02 @ 21:55:41

TEST COMMENT: IF: Strong Blow . B.O.B. in 5 mins. Built to 25.87".
 IS: No Blow .
 FF: Strong Blow . B.O.B. 27 mins. Built t 18.92".
 FS: No Blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2003.75	111.07	Initial Hydro-static
4	27.67	110.92	Open To Flow (1)
37	53.33	113.59	Shut-In(1)
95	1114.61	116.26	End Shut-In(1)
97	62.88	116.03	Open To Flow (2)
156	100.90	117.78	Shut-In(2)
248	1102.61	119.74	End Shut-In(2)
250	1976.71	119.96	Final Hydro-static

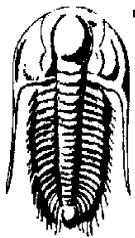
Recovery

Length (ft)	Description	Volume (bbl)
170.00	GOSM 5%g 95%m	1.29

* Recovery from multiple tests

Gas Rates

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



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: 64947

DST#: 2

ATTN: Kent Roberts

Test Start: 2019.10.02 @ 15:21:41

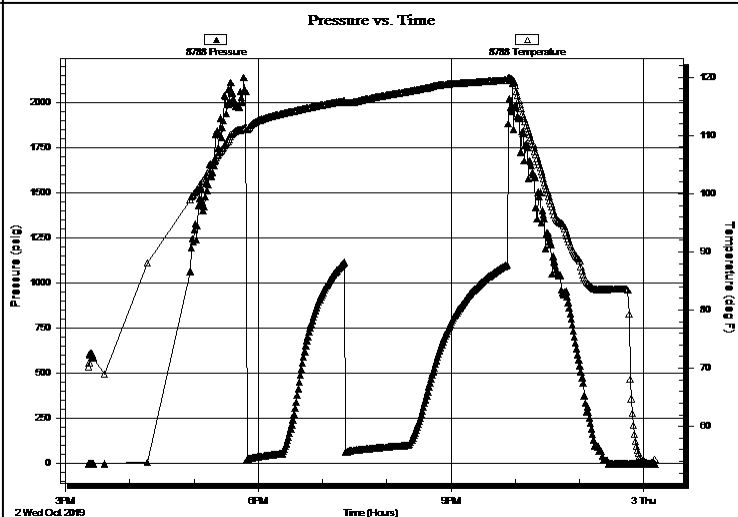
GENERAL INFORMATION:

Formation: **Mississippi Chert**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 17:49:26 Tester: Matt Smith
 Time Test Ended: 00:10:56 Unit No: 68
Interval: 4115.00 ft (KB) To 4194.00 ft (KB) (TVD) Reference Elevations: 1874.00 ft (KB)
 Total Depth: 4194.00 ft (KB) (TVD) 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 @ 4116.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.10.02 End Date: 2019.10.03 Last Calib.: 2019.10.03
 Start Time: 15:21:28 End Time: 00:10:38 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Strong Blow . B.O.B. in 5 mins. Built to 25.87".
 IS: No Blow .
 FF: Strong Blow . B.O.B. 27 mins. Built t t 18.92".
 FS: No Blow .



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
170.00	GOSM 5%g 95%m	1.29

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Prater Oil & Gas Oper., Inc.

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

10356 Bluestem BLVD
Pratt, Ks. 67124

Fisher # 1

Job Ticket: 64947

DST#: 2

ATTN: Kent Roberts

Test Start: 2019.10.02 @ 15:21:41

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:

6000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.99 in³

Gas Cushion Type:

Resistivity: 6000.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
170.00	GOSM 5%g 95%m	1.295

Total Length: 170.00 ft Total Volume: 1.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: None

Laboratory Name:

Laboratory Location:

Recovery Comments: Oil spotted Mud

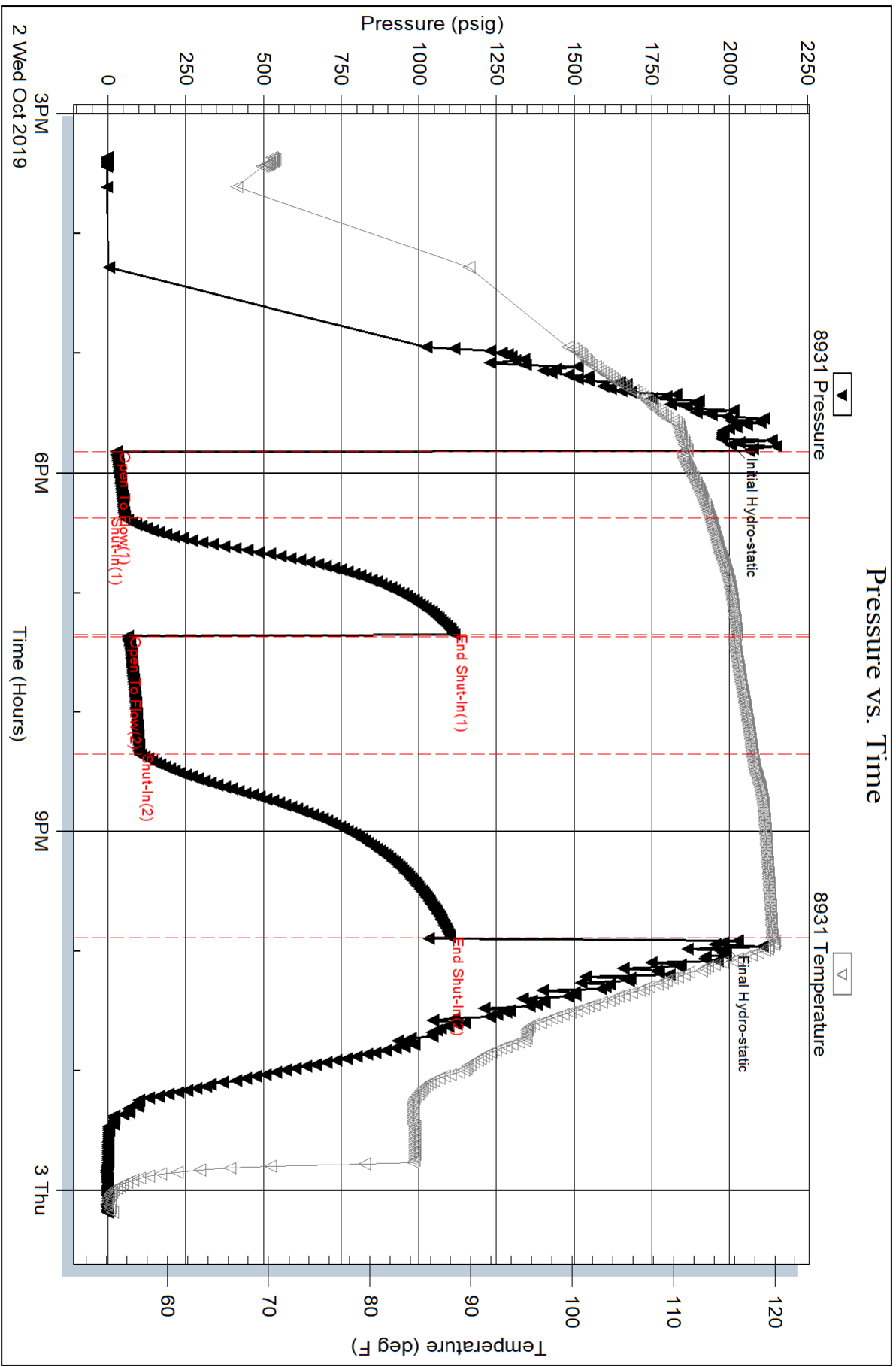
Serial #: 8931

Inside

Prater Oil & Gas Oper., Inc.

Fisher # 1

DST Test Number: 2



Serial #: 8788

Outside Prater Oil & Gas Oper., Inc.

Fisher # 1

DST Test Number: 2

