



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Deutsch Oil Company

5/26S/11W Pratt, KS

8100 East 22nd Street North
Building 600

Clark-Fraley #3-5

ATTN: Kent Deutsch/Aaron Y

Job Ticket: 63823

DST#: 1

Test Start: 2018.11.06 @ 11:37:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:27:50

Time Test Ended: 19:08:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jimmy Ricketts

Unit No: 80

Interval: **4020.00 ft (KB) To 4175.00 ft (KB) (TVD)**

Total Depth: 4175.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1852.00 ft (KB)

1845.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: **8369** Outside

Press@RunDepth: 1070.37 psig @ 4021.00 ft (KB)

Start Date: 2018.11.06

End Date: 2018.11.06

Start Time: 11:37:01

End Time: 19:08:30

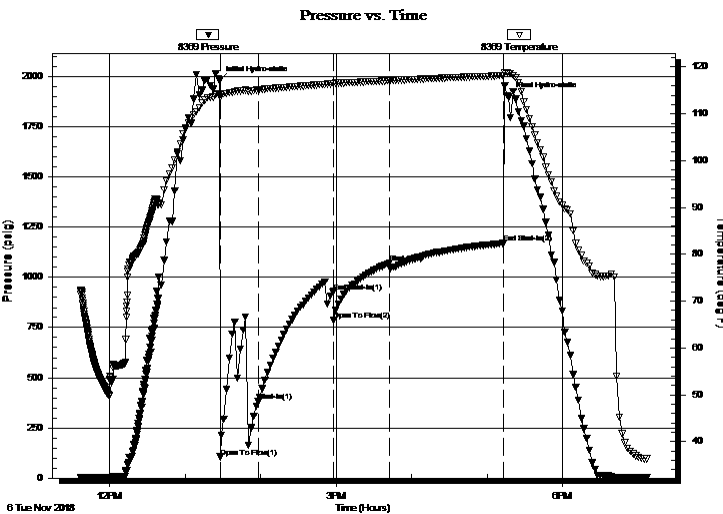
Capacity: 8000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2018.11.06 @ 13:27:20

Time Off Btm: 2018.11.06 @ 17:17:09

TEST COMMENT: IF - Weak blow building to 4 inches initial flow period.
FF - Weak blow building to 1/2 inch then dying during final flow period.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1978.21	114.24	Initial Hydro-static
1	105.60	113.56	Open To Flow (1)
31	381.31	115.16	Shut-In(1)
91	929.46	116.41	End Shut-In(1)
91	785.33	116.43	Open To Flow (2)
135	1070.37	117.09	Shut-In(2)
226	1169.34	118.17	End Shut-In(2)
230	1897.83	118.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	Drilling mud 100% M	

Gas Rates

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



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Total Depth: 4175.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1852.00 ft (KB)

1845.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8846

Inside

Press@RunDepth: psig @ 4021.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.11.06

End Date:

2018.11.06

Last Calib.:

1899.12.30

Start Time: 11:37:01

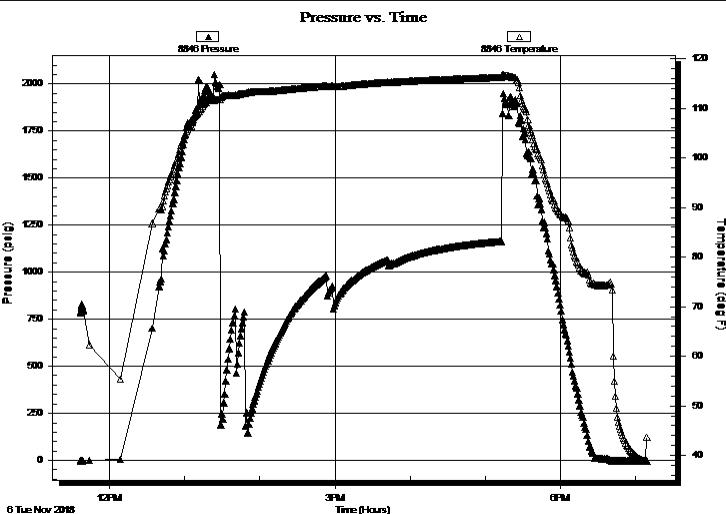
End Time:

19:08:50

Time On Btm:

Time Off Btm:

TEST COMMENT: IF - Weak blow building to 4 inches initial flow period.
FF - Weak blow building to 1/2 inch then dying during final flow period.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
25.00	Drilling mud 100% M	

Gas Rates

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



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DRILL STEM TEST REPORT

FLUID SUMMARY

Deutsch Oil Company

5/26S/11W Pratt, KS

8100 East 22nd Street North
Building 600

Clark-Fraley #3-5

Job Ticket: 63823

DST#: 1

ATTN: Kent Deutsch/Aaron Y

Test Start: 2018.11.06 @ 11:37:00

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
25.00	Drilling mud 100% M	

Total Length: 25.00 ft Total Volume: bbl

Num Fluid Samples: 0

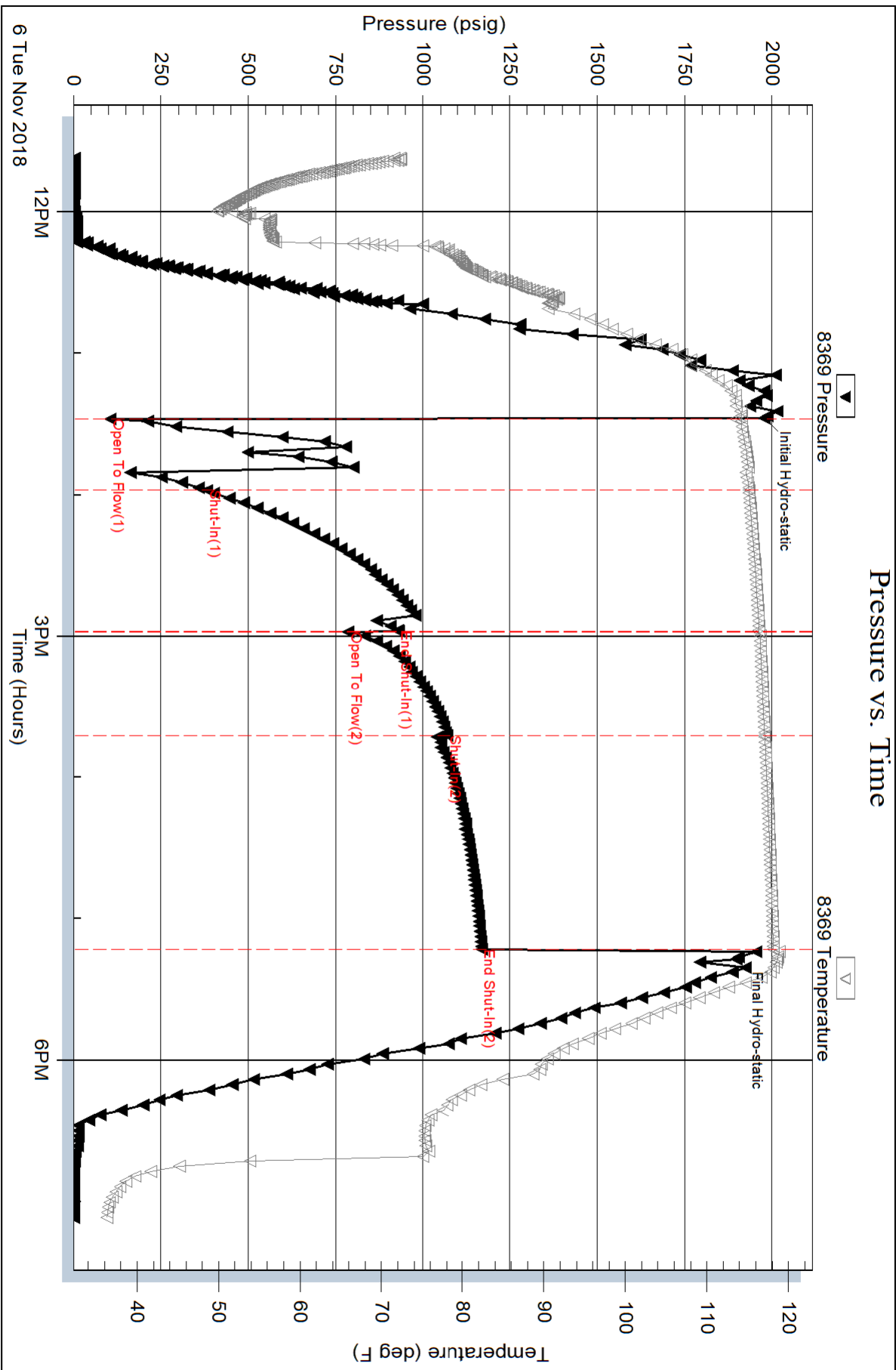
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Serial #: 8846

Inside

Deutsch Oil Company

Clark-Fraley #3-5

DST Test Number: 1

