



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Deutsch Oil Company

5/26S/11W Pratt, KS

8100 East 22nd Street North
Building 600
Wichita, KS 67226
ATTN: Kent Deutsch/Aaron Y

Clark-Fraley #3-5

Job Ticket: 63824

DST#: 2

Test Start: 2018.11.07 @ 03:49:00

GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:30:20

Time Test Ended: 11:20:50

Test Type: Conventional Bottom Hole (Initial)

Tester: Jimmy Ricketts

Unit No: 80

Interval: 4202.00 ft (KB) To 4210.00 ft (KB) (TVD)

Reference Elevations: 1852.00 ft (KB)

Total Depth: 4210.00 ft (KB) (TVD)

1845.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8369 Outside

Press@RunDepth: 25.51 psig @ 4203.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.11.07 End Date: 2018.11.07

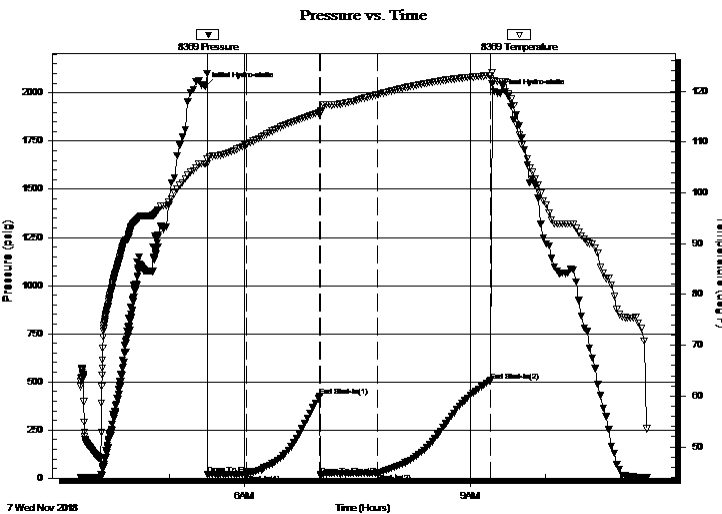
Last Calib.: 1899.12.30

Start Time: 03:49:01 End Time: 11:20:50

Time On Btm: 2018.11.07 @ 05:28:30

Time Off Btm: 2018.11.07 @ 09:21:50

TEST COMMENT: IF - Weak blow building to 3 inches during initial flow period.
FF Weak blow building to 3 inches during final flow period.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2034.71	105.77	Initial Hydro-static
2	18.34	105.70	Open To Flow (1)
33	20.09	109.47	Shut-In(1)
92	426.67	115.78	End Shut-In(1)
93	16.28	115.90	Open To Flow (2)
138	25.51	119.30	Shut-In(2)
228	505.84	123.09	End Shut-In(2)
234	1998.64	121.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Slight oil spotted mud TR O & 100% M	

Gas Rates

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



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 47.00 sec/qt

Water Loss: 10.39 in³

Resistivity: ohm.m

Salinity: 7000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Slight oil spotted mud TR O & 100% M	

Total Length: 20.00 ft Total Volume: bbl

Num Fluid Samples: 0

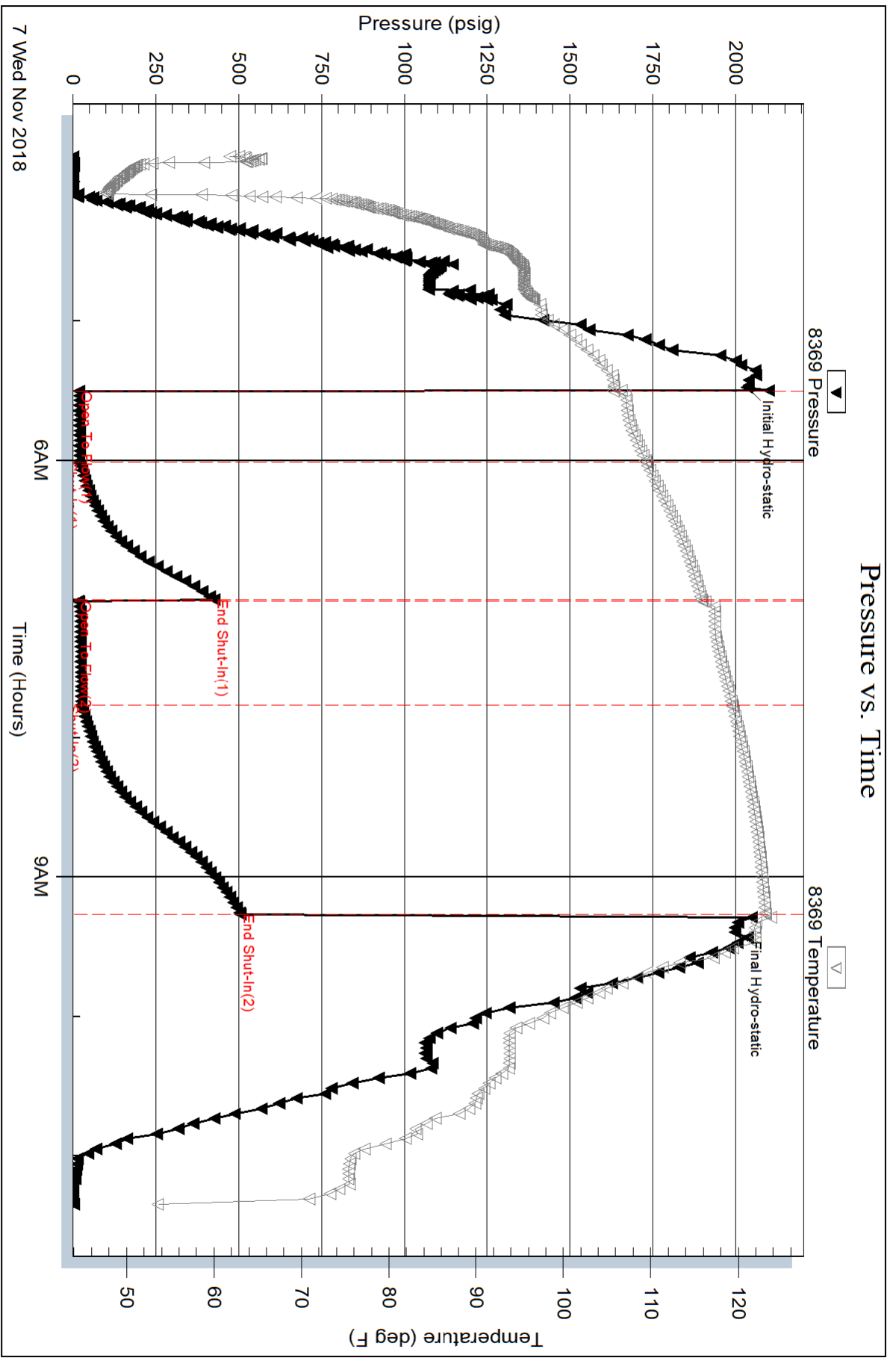
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Serial #: 8846

Inside

Deutsch Oil Company

Clark-Fraley #3-5

DST Test Number: 2

