



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Staab Oil Company
1607 Hopewell RD
Hays Kansas 76701
ATTN: Janel Staab

7-8s-18w Rooks, KS

Haines West #1

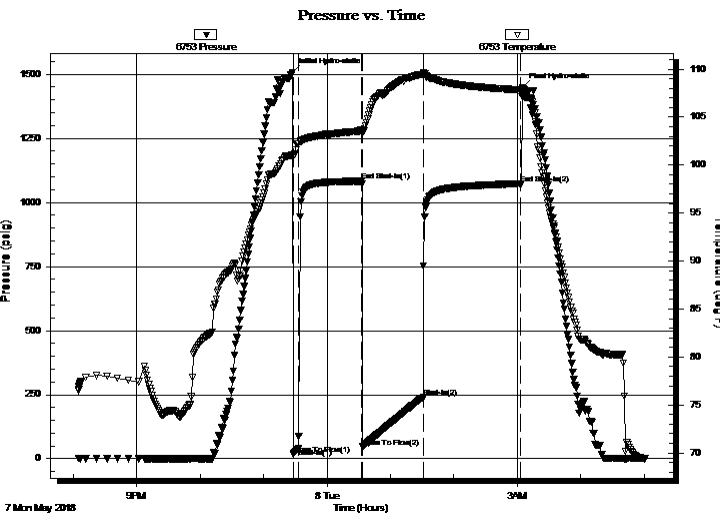
Job Ticket: 63435 **DST#: 1**
Test Start: 2018.05.07 @ 20:05:00

GENERAL INFORMATION:

Formation: **Base of Topeka**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:28:00
Time Test Ended: 05:00:30
Interval: **3027.00 ft (KB) To 3090.00 ft (KB) (TVD)**
Total Depth: 3090.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Brannan Lonsdale/Cad
Unit No: 73
Reference Elevations: 1969.00 ft (KB)
1964.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6753 Outside
Press@RunDepth: 238.32 psig @ 3028.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2018.05.07 End Date: 2018.05.08 Last Calib.: 2018.05.08
Start Time: 20:05:05 End Time: 05:00:30 Time On Btm: 2018.05.07 @ 23:27:30
Time Off Btm: 2018.05.08 @ 03:05:00

TEST COMMENT: IF-5- Weak blow ; built to 4"
ISI-60- No blow back
FF-60- BOB in 16min
FSI-90- No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1506.96	101.09	Initial Hydro-static
1	17.99	100.84	Open To Flow (1)
6	39.15	102.19	Shut-In(1)
65	1082.64	103.56	End Shut-In(1)
67	46.82	103.37	Open To Flow (2)
124	238.32	109.48	Shut-In(2)
216	1073.11	107.84	End Shut-In(2)
218	1447.21	107.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
460.00	Muddy Water 20%M 80%W	3.38

Gas Rates

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



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FLUID SUMMARY

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1607 Hopewell RD
Hays Kansas 76701

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Job Ticket: 63435

DST#: 1

ATTN: Janel Staab

Test Start: 2018.05.07 @ 20:05:00

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:

95000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
460.00	Muddy Water 20%M 80%W	3.379

Total Length: 460.00 ft Total Volume: 3.379 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

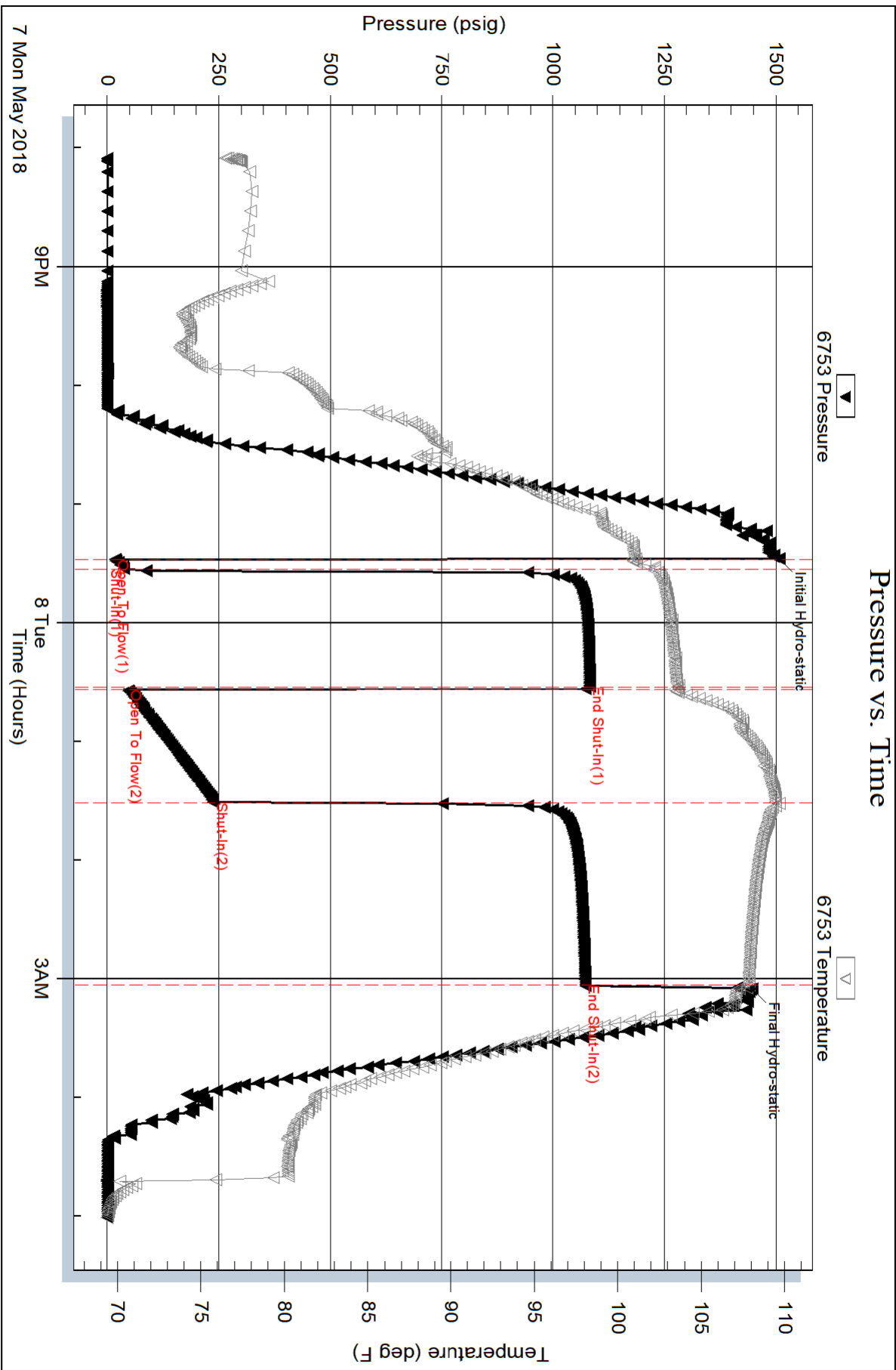
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: LCM 2#

RW: .07 @ 69 deg



Serial #: 6771

Inside

Staab Oil Company

Haines West#1

DST Test Number: 1

