DRILL STEM TEST REPORT

Triple Crown Operating, LLC

2201 S. Utica Pl.
Ste. 100
Tulsa, OK 74114
ATTN: Sean Deenihan

29-20S-22W Ness, KS

Koerner #1-29

Job Ticket: 63107 **DST#: 1**

Test Start: 2017.11.03 @ 17:58:45

GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:06:36
Time Test Ended: 03:03:50

Test Type: Conventional Bottom Hole (Initial)
Tester: Brannan Lonsdale
Unit No: 73

Interval: 4306.00 ft (KB) To 4368.00 ft (KB) (TVD)
Total Depth: 4368.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

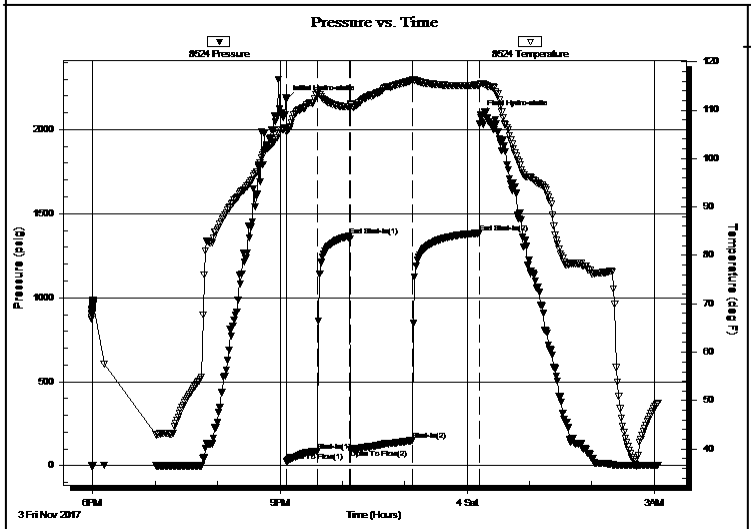
Reference Elevations: 2191.00 ft (KB)
2186.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8524 **Outside**

Press@RunDepth: 150.43 psig @ 4332.00 ft (KB)
Start Date: 2017.11.03 End Date: 2017.11.04
Start Time: 17:58:46 End Time: 03:03:50

Capacity: 8000.00 psig
Last Calib.: 2017.11.04
Time On Btm: 2017.11.03 @ 21:06:21
Time Off Btm: 2017.11.04 @ 00:13:06

TEST COMMENT: 30- IF- Slowly built to 6.5"
30- ISI- No blow
60- FF- Slowly built to 6.5"
60- FSI- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2179.93	106.42	Initial Hydro-static
1	28.38	105.61	Open To Flow (1)
30	88.53	113.59	Shut-In(1)
61	1366.88	110.72	End Shut-In(1)
62	96.76	111.17	Open To Flow (2)
121	150.43	116.19	Shut-In(2)
186	1383.69	115.17	End Shut-In(2)
187	2087.02	115.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
266.00	SOCM, 5%O 95%M	2.66
10.00	CO	0.14

Gas Rates

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

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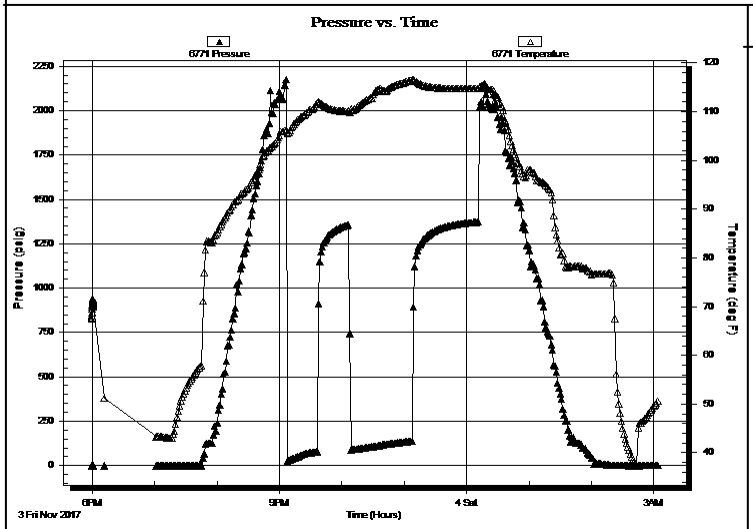
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Total Depth: 4368.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2191.00 ft (KB)
2186.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6771 **Inside**
Press@RunDepth: psig @ 4332.00 ft (KB)
Start Date: 2017.11.03 End Date: 2017.11.04
Start Time: 17:59:13 End Time: 03:04:02

Capacity: 8000.00 psig
Last Calib.: 2017.11.04
Time On Btm:
Time Off Btm:

TEST COMMENT: 30- IF- Slowly built to 6.5"
30- ISI- No blow
60- FF- Slowly built to 6.5"
60- FSI- No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
266.00	SOCM, 5%O 95%M	2.66
10.00	CO	0.14

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Triple Crown Operating, LLC

2201 S. Utica Pl.
Ste. 100
Tulsa, OK 74114
ATTN: Sean Deenihan

29-20S-22W Ness, KS

Koerner #1-29

Job Ticket: 63107 **DST#: 1**

Test Start: 2017.11.03 @ 17:58:45

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	33 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.59 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	6000.00 ppm				
Filter Cake:	inches				

Recovery Information

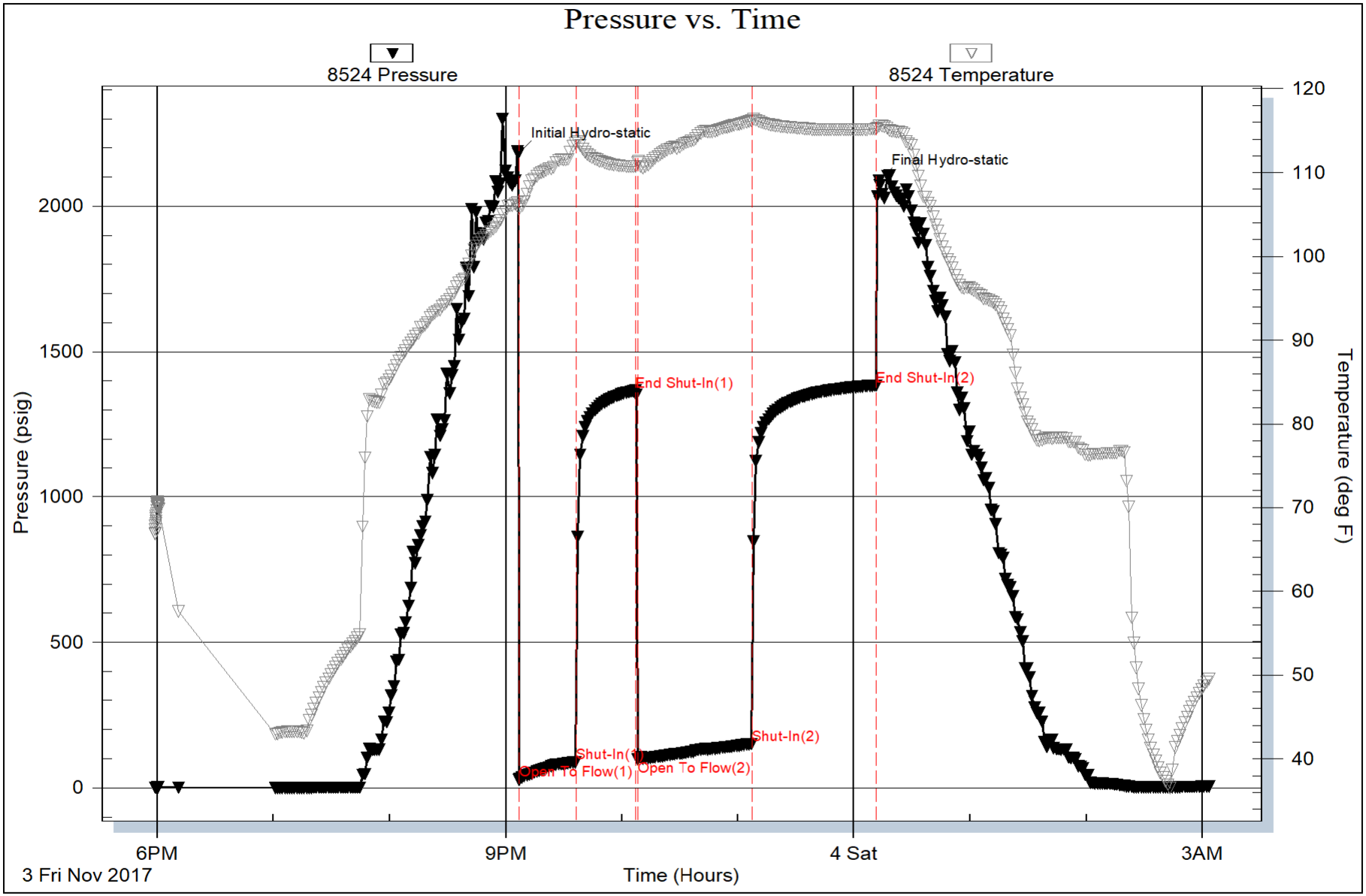
Recovery Table

Length ft	Description	Volume bbl
266.00	SOCM, 5%O 95%M	2.660
10.00	CO	0.142

Total Length: 276.00 ft Total Volume: 2.802 bbl

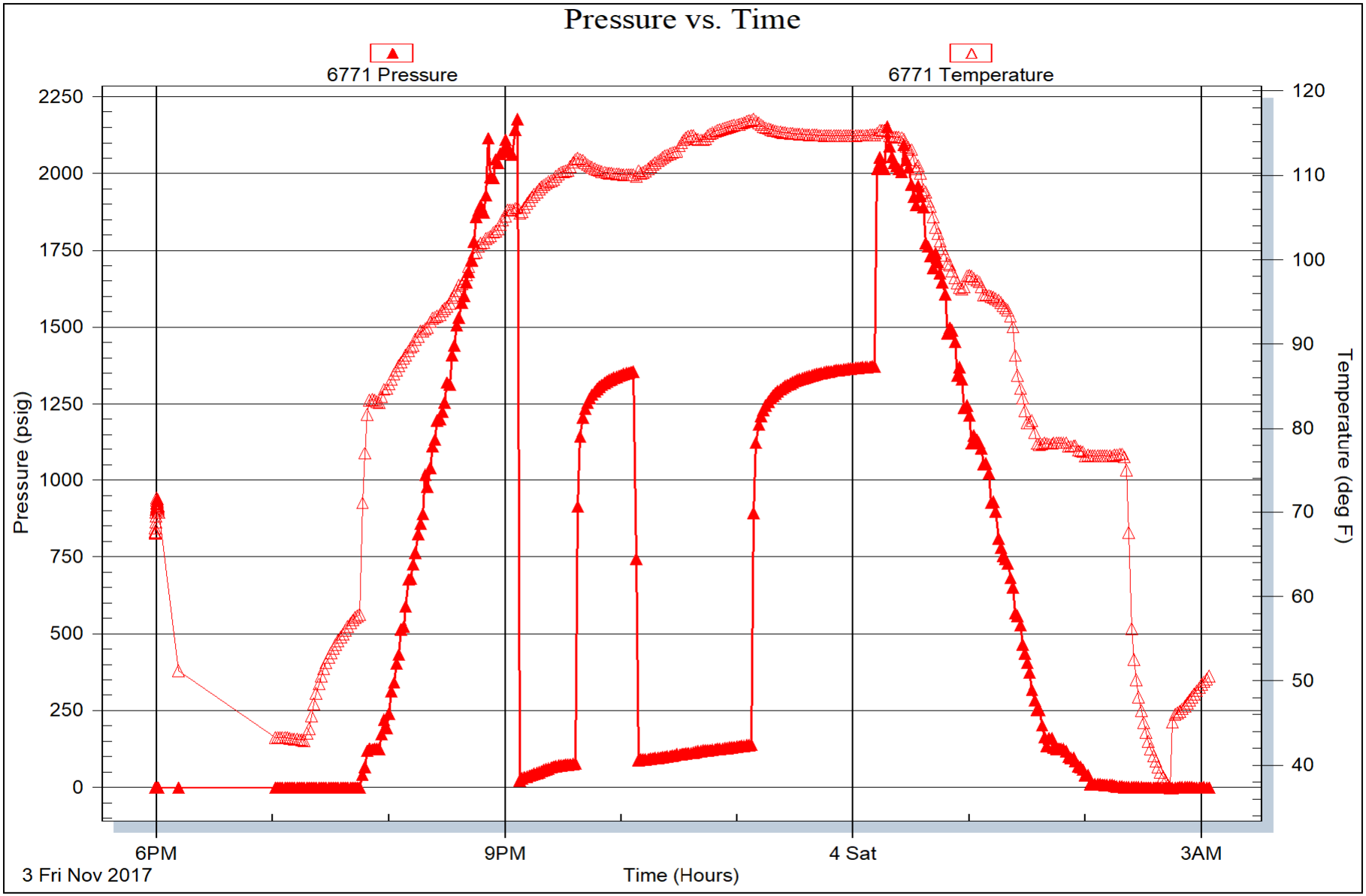
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8524 **Outside** Triple Crow n Operating, LLC Koerner #1-29 DST Test Number: 1



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Serial #: 6771 **Inside** Triple Crow n Operating, LLC Koerner #1-29 DST Test Number: 1



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