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: 63108 **DST#: 2**

Test Start: 2017.11.04 @ 09:32:36

GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:11:57
Time Test Ended: 17:47:12

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

Interval: 4308.00 ft (KB) To 4373.00 ft (KB) (TVD)
Total Depth: 4373.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

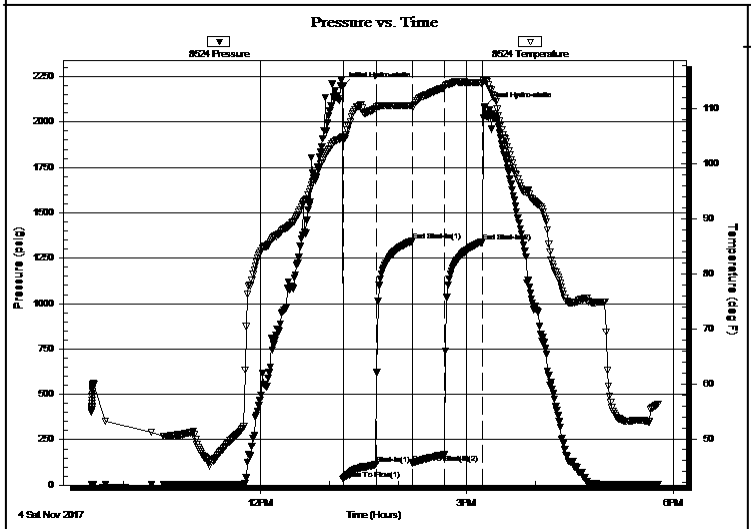
Reference Elevations: 2191.00 ft (KB)
2186.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8524 **Outside**

Press@RunDepth: 167.60 psig @ 4336.00 ft (KB)
Start Date: 2017.11.04 End Date: 2017.11.04
Start Time: 09:32:37 End Time: 17:47:12

Capacity: 8000.00 psig
Last Calib.: 2017.11.04
Time On Btm: 2017.11.04 @ 13:11:42
Time Off Btm: 2017.11.04 @ 15:15:42

TEST COMMENT: 30- IF- Slowly built to 1.5"
30- ISI- No blow
30- FF- Slowly built to 1"
30- FSI- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2196.91	104.88	Initial Hydro-static
1	33.49	104.21	Open To Flow (1)
29	113.67	110.11	Shut-In(1)
61	1344.49	110.67	End Shut-In(1)
62	121.42	110.35	Open To Flow (2)
89	167.60	113.91	Shut-In(2)
122	1340.91	114.74	End Shut-In(2)
124	2083.17	115.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
230.00	OCM, 10%O 90%M	2.15

* Recovery from multiple tests

Gas Rates

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

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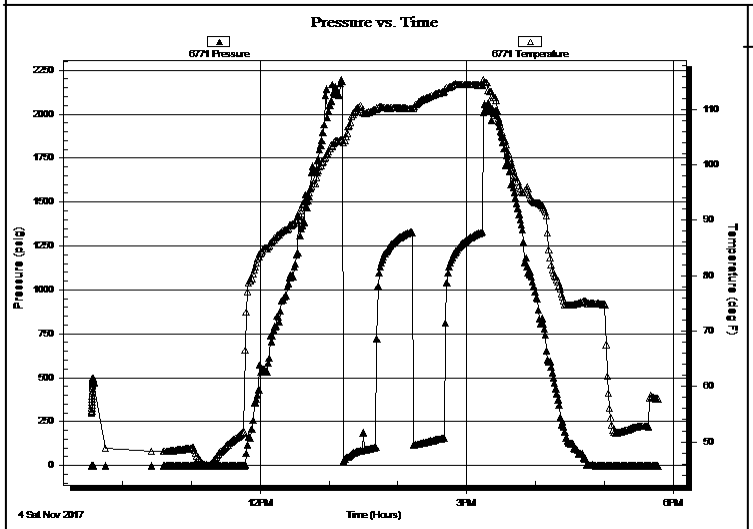
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Hole Diameter: 7.88 inches Hole Condition: Fair

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

Serial #: 6771 **Inside**
Press@RunDepth: psig @ 4336.00 ft (KB)
Start Date: 2017.11.04 End Date: 2017.11.04
Start Time: 09:32:47 End Time: 17:47:07

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

TEST COMMENT: 30- IF- Slowly built to 1.5"
30- ISI- No blow
30- FF- Slowly built to 1"
30- FSI- No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
230.00	OCM, 10%O 90%M	2.15

* Recovery from multiple tests

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: 63108 **DST#: 2**

Test Start: 2017.11.04 @ 09:32:36

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:	9.58 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	6000.00 ppm				
Filter Cake:	inches				

Recovery Information

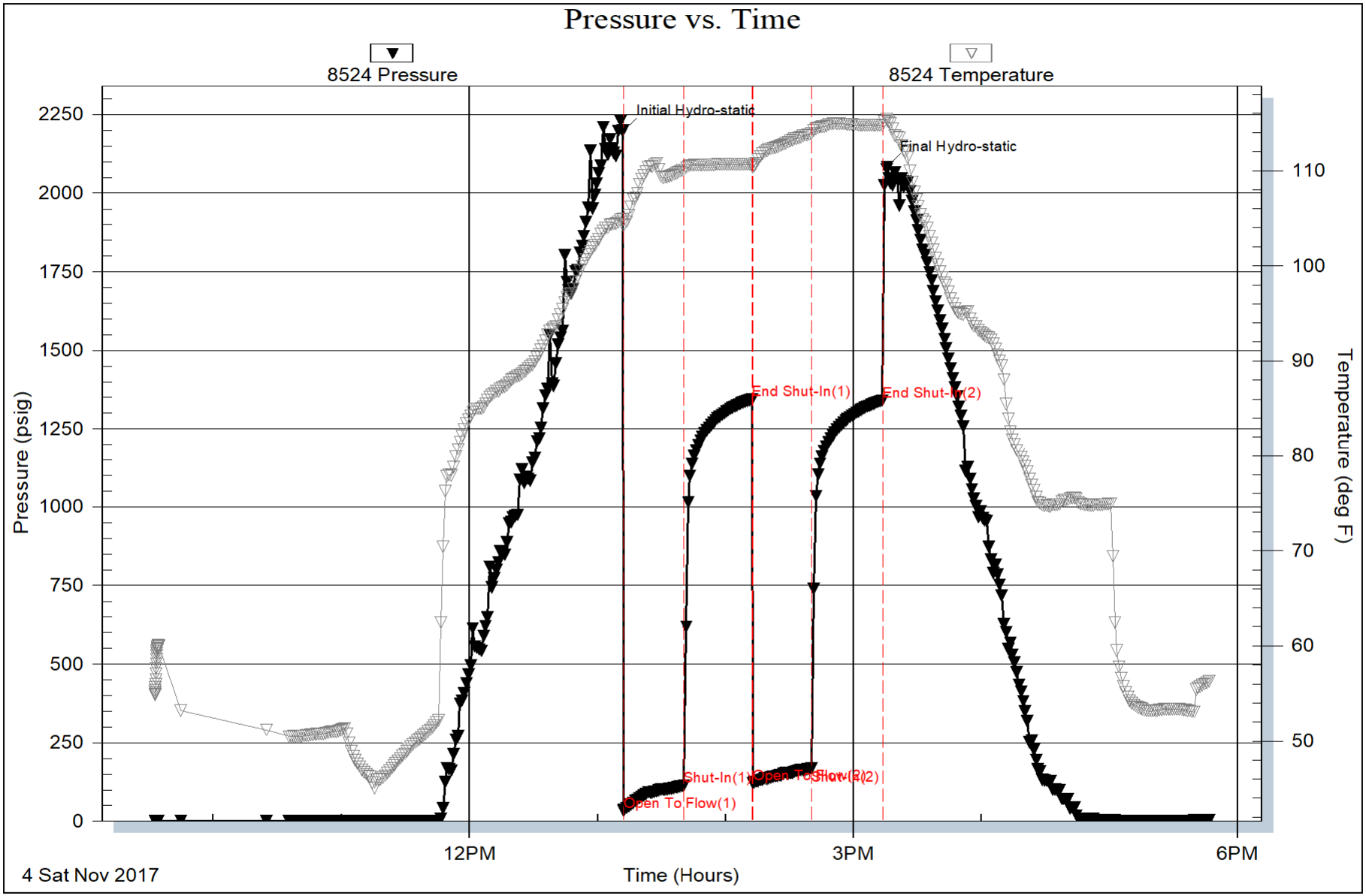
Recovery Table

Length ft	Description	Volume bbl
230.00	OCM, 10%O 90%M	2.149

Total Length: 230.00 ft Total Volume: 2.149 bbl

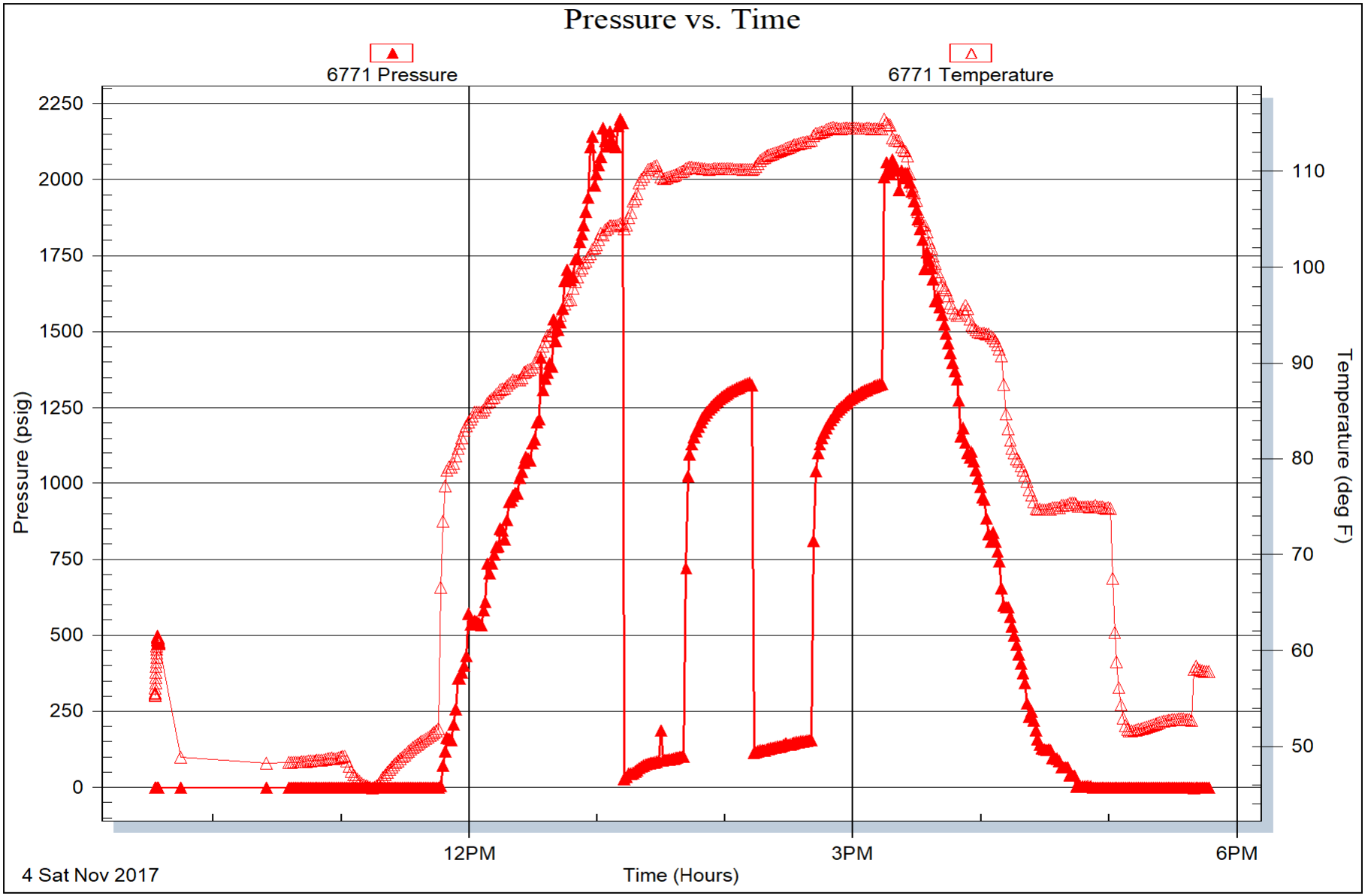
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8524 **Outside** Triple Crow n Operating, LLC Koerner #1-29 DST Test Number: 2



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Serial #: 6771 **Inside** Triple Crow n Operating, LLC Koerner #1-29 DST Test Number: 2



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