



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Triple Crown Operating LLC

**10-14-28 Gove, Ks**

2201 S Utica Pl Ste100  
Tulsa, Ok  
74114-7099  
ATTN: Rod Anderson

**Zie #1-10**

Job Ticket: 61859

**DST#: 1**

Test Start: 2016.06.25 @ 21:45:25

## GENERAL INFORMATION:

Formation: **KC**  
 Deviated: No Whipstock: 0.00 ft (KB)  
 Time Tool Opened: 23:53:55  
 Time Test Ended: 04:56:10  
 Interval: **3825.00 ft (KB) To 3845.00 ft (KB) (TVD)**  
 Total Depth: 3845.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Shane McBride  
 Unit No: 84  
 Reference Elevations: 2583.00 ft (KB)  
 2578.00 ft (CF)  
 KB to GR/CF: 5.00 ft

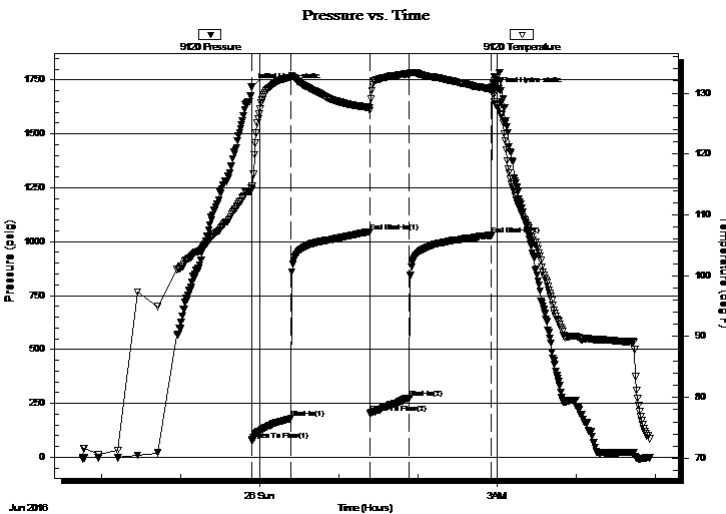
## Serial #: 9120

**Outside**

Press@RunDepth: 273.51 psig @ 3826.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2016.06.25 End Date: 2016.06.26 Last Calib.: 2016.06.26  
 Start Time: 21:45:25 End Time: 04:56:10 Time On Btm: 2016.06.25 @ 23:53:25  
 Time Off Btm: 2016.06.26 @ 02:57:25

TEST COMMENT: B.O.B. in 13 min  
 No return  
 B.O.B. in 16 min.  
 No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1716.64	114.48	Initial Hydro-static
1	77.53	114.20	Open To Flow (1)
30	179.87	132.60	Shut-In(1)
90	1045.24	127.64	End Shut-In(1)
90	203.28	127.07	Open To Flow (2)
120	273.51	133.09	Shut-In(2)
183	1029.78	130.60	End Shut-In(2)
184	1696.23	129.85	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
433.00	water 100%w	4.98
124.00	s m c w 5% m 95% w	1.74
93.00	m c w 30% m 70% w	1.30

## Gas Rates

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



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## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

32000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
433.00	water 100%w	4.981
124.00	s m c w 5%m 95%w	1.739
93.00	m c w 30%m 70%w	1.305

Total Length: 650.00 ft      Total Volume: 8.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw .250 @ 66\*f = 32,000 chlor

