



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Thoroughbred Associates LLC

20/4s/35w Rawlins KS

8100 E 22nd St N
Bldg 600 STE F
Wichita, KS 67226
ATTN: Phil Askey

Cozza #1-20

Job Ticket: 62834

DST#: 3

Test Start: 2015.07.26 @ 10:55:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:02:00

Time Test Ended: 16:59:00

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 83

Interval: 4517.00 ft (KB) To 4555.00 ft (KB) (TVD)

Reference Elevations: 3268.00 ft (KB)

Total Depth: 4555.00 ft (KB) (TVD)

3263.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8791 Inside

Press @ Run Depth: 13.45 psig @ 4518.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.26

End Date: 2015.07.26

Last Calib.: 2015.07.26

Start Time: 10:55:05

End Time: 16:58:59

Time On Btm: 2015.07.26 @ 13:01:45

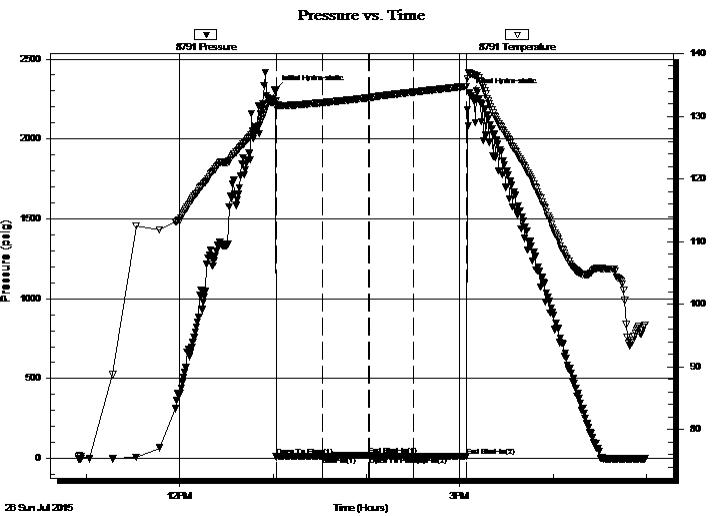
Time Off Btm: 2015.07.26 @ 15:06:00

TEST COMMENT: 30 - IF: Weak surface blow, dead at 6 min.

30 - IS: No blow

30 - FF: No blow

30 - FS: No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2306.92	132.38	Initial Hydro-static
1	10.93	131.47	Open To Flow (1)
31	12.89	132.17	Shut-In(1)
60	21.35	132.94	End Shut-In(1)
60	12.72	132.95	Open To Flow (2)
89	13.45	133.84	Shut-In(2)
123	15.53	134.77	End Shut-In(2)
125	2289.73	136.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud w /trace of oil	0.01

* Recovery from multiple tests

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: 64.00 sec/qt

Water Loss: 6.80 in³

Resistivity: ohm.m

Salinity: 1800.00 ppm

Filter Cake: 2.00 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
2.00	Mud w /trace of oil	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

