



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Valhalla Exploration, LLC

11/21s/14w/Stafford

8100 E. 22nd St
N BLDG 1800-2
Wichita Ks, 67226
ATTN: Adam Kennedy

Schartz #1-11

Job Ticket: 60458

DST#: 1

Test Start: 2014.09.18 @ 22:15:00

GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:28:30

Time Test Ended: 06:03:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane Konzem

Unit No: S3/26/Great Bend

Interval: 3558.00 ft (KB) To 3607.00 ft (KB) (TVD)

Reference Elevations: 1929.00 ft (KB)

Total Depth: 3607.00 ft (KB) (TVD)

1924.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

Serial #: 8524 Inside

Press @ Run Depth: 45.69 psig @ 3603.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.18

End Date: 2014.09.19

Last Calib.: 2014.09.19

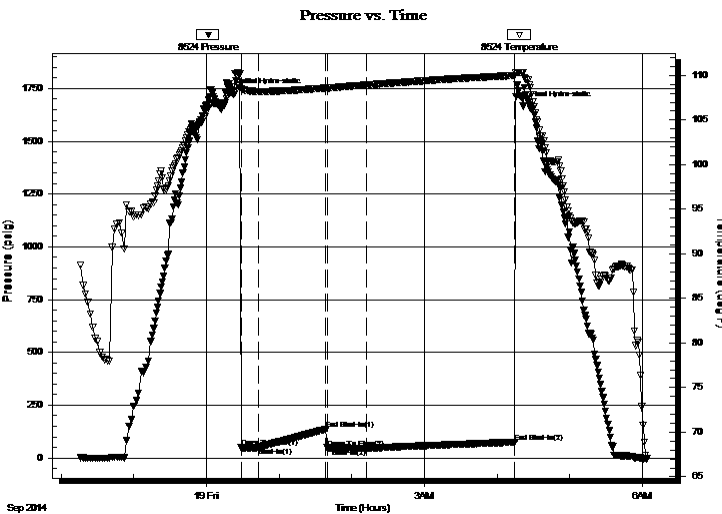
Start Time: 22:16:00

End Time: 06:03:30

Time On Btm: 2014.09.19 @ 00:21:30

Time Off Btm: 2014.09.19 @ 04:21:30

TEST COMMENT: 1st Open/ 10 Minutes. Weak surface blow.
1st Shut In/ 60 Minutes. No blow back.
2nd Open/ 30 Minutes. No blow, flushed tool had good flush bubbles and gained no blow
2nd Shut In/ 120 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1731.26	108.10	Initial Hydro-static
7	48.99	108.48	Open To Flow (1)
21	50.42	108.19	Shut-In(1)
77	136.22	108.59	End Shut-In(1)
78	47.62	108.58	Open To Flow (2)
111	45.69	108.92	Shut-In(2)
233	75.21	109.99	End Shut-In(2)
240	1667.43	110.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	100% Mud	0.14

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

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	100% Mud	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

