



DRILL STEM TEST REPORT

Prepared For: **Carrie Exploration and Development**

210 West 22nd Street
Hays Kansas 67601

ATTN: Steve Reed

Brayant C-1

12-19s-11w-Barton

Start Date: 2014.08.02 @ 12:37:00

End Date: 2014.08.02 @ 17:19:00

Job Ticket #: 60302 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

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**TRILOBITE
TESTING, INC.**

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Job Ticket: 60302

DST#: 2

ATTN: Steve Reed

Test Start: 2014.08.02 @ 12:37:00

GENERAL INFORMATION:

Formation: **Lansing C-G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:58:00

Time Test Ended: 17:19:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: S2-Great Bend-55

Interval: 3060.00 ft (KB) To 3134.00 ft (KB) (TVD)

Reference Elevations: 1783.00 ft (KB)

Total Depth: 3134.00 ft (KB) (TVD)

1775.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6999

Press@RunDepth: 50.26 kPag @ ft (KB)

Capacity: 5000.00 kPag

Start Date: 2014.08.02

End Date:

2014.08.02

Last Calib.:

2014.08.02

Start Time: 12:37:00

End Time:

17:19:00

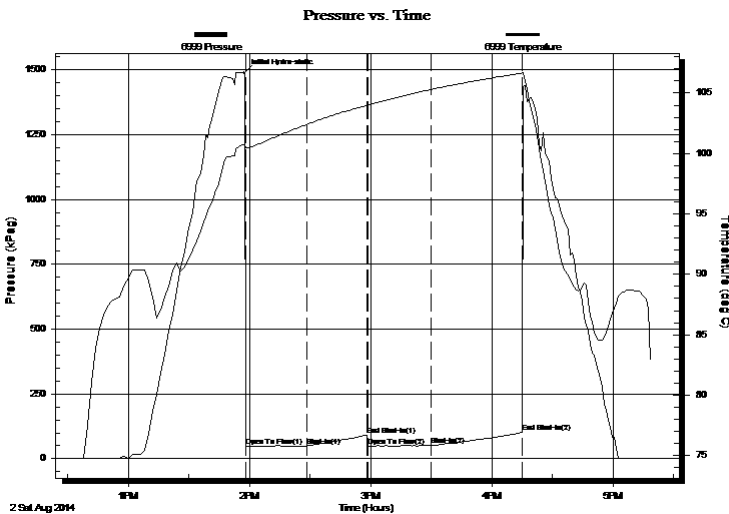
Time On Btm:

2014.08.02 @ 13:57:30

Time Off Btm:

TEST COMMENT: 1st Open 30 minutes Weak building blow buit to 1 inch into a 5 gallon bucket of w ater.
1st Shut in 30 minutes No blow back
2nd Open 30 minutes Weak blow buit to 1 inch.
2nd Shut in 45 minutes.No blow back.

PRESSURE SUMMARY



Time (Min.)	Pressure (kPag)	Temp (deg C)	Annotation
0	1487.71	100.75	Initial Hydro-static
1	46.37	100.49	Open To Flow (1)
31	49.15	102.40	Shut-In(1)
61	91.14	103.99	End Shut-In(1)
62	46.43	104.01	Open To Flow (2)
93	50.26	105.29	Shut-In(2)
138	101.11	106.66	End Shut-In(2)

Recovery

Length (ft)	Description	Volume (bbl)
7.00	Mud 100%	0.10

Gas Rates

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



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Reference Elevations: 1783.00 ft (KB)

Total Depth: 3134.00 ft (KB) (TVD)

1775.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8931

Press@RunDepth: 100.44 kPag @ ft (KB)

Capacity: 5000.00 kPag

Start Date: 2014.08.02

End Date:

2014.08.02

Last Calib.:

2014.08.02

Start Time: 12:37:00

End Time:

17:18:30

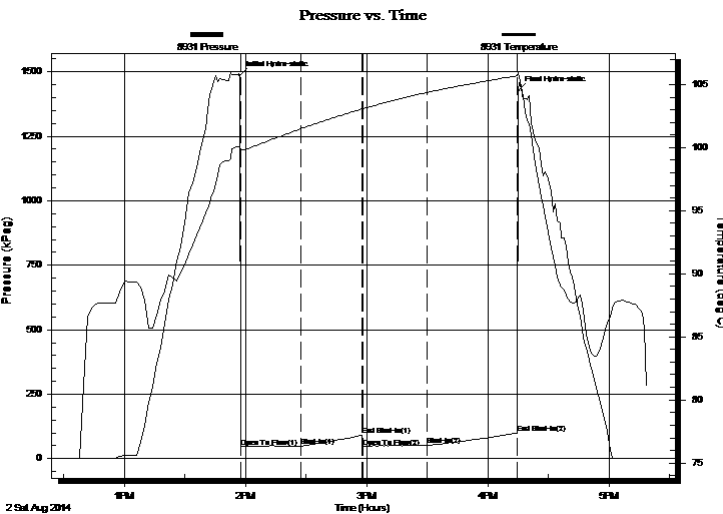
Time On Btm:

2014.08.02 @ 13:57:00

Time Off Btm:

2014.08.02 @ 16:15:00

TEST COMMENT: 1st Open 30 minutes Weak building blow buit to 1 inch into a 5 gallon bucket of water.
1st Shut in 30 minutes No blow back
2nd Open 30 minutes Weak blow buit to 1 inch.
2nd Shut in 45 minutes.No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (kPag)	Temp (deg C)	Annotation
0	1486.57	100.13	Initial Hydro-static
1	46.27	99.79	Open To Flow (1)
31	48.27	101.49	Shut-In(1)
61	90.77	103.06	End Shut-In(1)
61	46.25	103.07	Open To Flow (2)
93	50.50	104.36	Shut-In(2)
138	100.44	105.69	End Shut-In(2)
138	1426.20	105.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
7.00	Mud 100%	0.10

Gas Rates

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



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TOOL DIAGRAM

Carrie Exploration and Development

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Brayant C-1

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DST#: 2

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Test Start: 2014.08.02 @ 12:37:00

Tool Information

Drill Pipe:	Length: 3050.00 ft	Diameter: 3.80 inches	Volume: 42.78 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 42.78 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 41000.00 lb
Depth to Top Packer:	3060.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	74.06 ft			
Tool Length:	94.06 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3045.00	
Hydraulic tool	5.00			3050.00	
Top Packer	5.00			3055.00	
Packer	5.00			3060.00	20.00 Bottom Of Top Packer
Anchor	10.00			3070.00	
Change Over Sub	0.75			3070.75	
Drill Pipe	31.56			3102.31	
Change Over Sub	0.75			3103.06	
Anchor	26.00			3129.06	
Recorder	0.00	8931	Inside	3129.06	
Recorder	0.00	6999	Outside	3129.06	
Bull Plug	5.00			3134.06	74.06 Anchor Tool

Total Tool Length: 94.06



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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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

kPag

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
7.00	Mud 100%	0.098

Total Length: 7.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

