



DRILL STEM TEST REPORT

Prepared For: **Strata Exploration**

PO Box 401
Fairfield IL, 62837

ATTN: Jon Christensen

10 32S32W Haskell KS

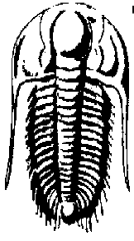
Stapleton 3-10

Start Date: 2010.09.20 @ 13:35:50

End Date: 2010.09.20 @ 23:32:05

Job Ticket #: 37391 DST #: 1

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Strata Exploration

PO Box 401
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ATTN: Jon Christensen

Stapleton 3-10

10 32S32W Haskell KS

Job Ticket: 37391 **DST#: 1**

Test Start: 2010.09.20 @ 13:35:50

GENERAL INFORMATION:

Formation: **KC 'A'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:33:05

Time Test Ended: 23:32:05

Test Type: Conventional Bottom Hole

Tester: Mike Slemp

Unit No: 53

Interval: 4662.00 ft (KB) To 4681.00 ft (KB) (TVD)

Total Depth: 4681.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Good

Reference Elevations: 2898.00 ft (KB)

2888.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8678 Inside

Press @ Run Depth: psig @ 4664.00 ft (KB)

Start Date: 2010.09.20

End Date: 2010.09.20

Start Time: 13:40:50

End Time: 23:32:19

Capacity: 8000.00 psig

Last Calib.: 2010.09.20

Time On Btm:

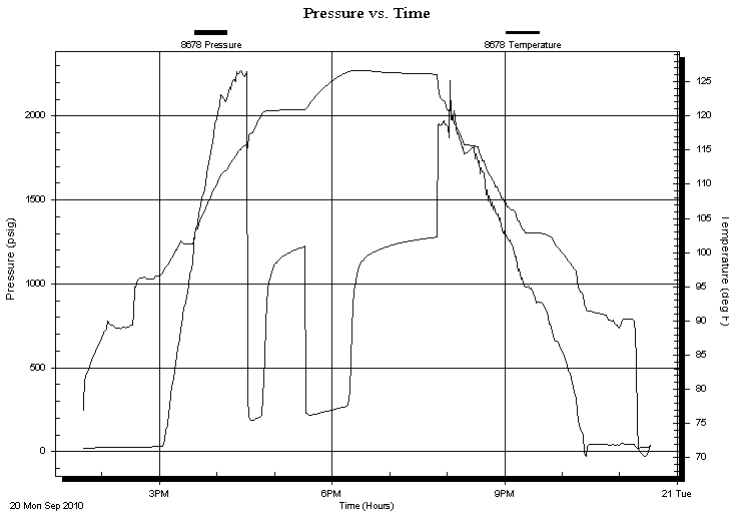
Time Off Btm:

TEST COMMENT: IF-BOB ASAO

ISI- 2 inches blow back in 45 min

FF- BOB ASAO GTS ASAO TSTM

FSI- 4 inches blow back in 90 min



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
134.00	OCM5%gas10%oil10%w ater75%mud	0.66
267.00	WCM5%oil70%w ater25%mud	1.61
124.00	MCW95%w ater5%mud Skim of oil	1.74

Gas Rates

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



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TOOL DIAGRAM

Strata Exploration

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Job Ticket: 37391

DST#: 1

Test Start: 2010.09.20 @ 13:35:50

Tool Information

Drill Pipe:	Length: 4280.00 ft	Diameter: 3.80 inches	Volume: 60.04 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: 25000.00 lb
Drill Collar:	Length: 368.00 ft	Diameter: 2.25 inches	Volume: 1.81 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 61.85 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 90000.00 lb
Depth to Top Packer:	4662.00 ft			Final 92000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	40.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			4646.00	
Hydraulic tool	5.00			4651.00	
Safety Joint	2.00			4653.00	
Packer	5.00			4658.00	21.00 Bottom Of Top Packer
Packer	4.00			4662.00	
Stubb	1.00			4663.00	
Perforations	1.00			4664.00	
Recorder	0.00	8677	Inside	4664.00	
Recorder	0.00	8678	Inside	4664.00	
Perforations	14.00			4678.00	
Bullnose	3.00			4681.00	19.00 Bottom Packers & Anchor

Total Tool Length: 40.00



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FLUID SUMMARY

Strata Exploration

Stapleton 3-10

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Job Ticket: 37391

DST#: 1

ATTN: Jon Christensen

Test Start: 2010.09.20 @ 13:35:50

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:

8000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.95 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
134.00	OCM5%gas10%oil10%water75%mud	0.659
267.00	WCM5%oil70%water25%mud	1.614
124.00	MCW95%water5%mud Skim of oil	1.739

Total Length: 525.00 ft Total Volume: 4.012 bbl

Num Fluid Samples: 0

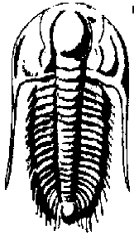
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .9 @ 70F = 8000 ppm chlorides



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GAS RATES

Strata Exploration

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Job Ticket: 37391

DST#: 1

Test Start: 2010.09.20 @ 13:35:50

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
		0.00	0.00	0.00

Serial #: 8678

Inside

Strata Exploration

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DST Test Number: 1

