

DRILL STEM TEST REPORT

Prepared For: **Val Energy, INC.**

200 W. Douglas
Suite 520
Wichita, KS 67202-3005

ATTN: Steve Vanbuskirk

12-34s-11w Barber KS

Thom C #1-12

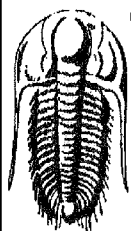
Start Date: 2010.07.27 @ 11:17:00

End Date: 2010.07.27 @ 19:45:39

Job Ticket #: 38777 DST #: 1

Trilobite Testing, Inc
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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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ATTN: Steve Vanbuskirk

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DST#: 1

Test Start: 2010.07.27 @ 11:17:00

GENERAL INFORMATION:

Formation: **SIMPSON**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:31:20

Time Test Ended: 19:45:39

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 43

Interval: **4980.00 ft (KB) To 5012.00 ft (KB) (TVD)**

Total Depth: 5012.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1411.00 ft (KB)

1401.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8648

Inside

Press@RunDepth: 59.99 psig @ 4981.00 ft (KB)

Start Date: 2010.07.27

End Date:

2010.07.27

Start Time: 11:17:05

End Time:

19:45:40

Capacity: 8000.00 psig

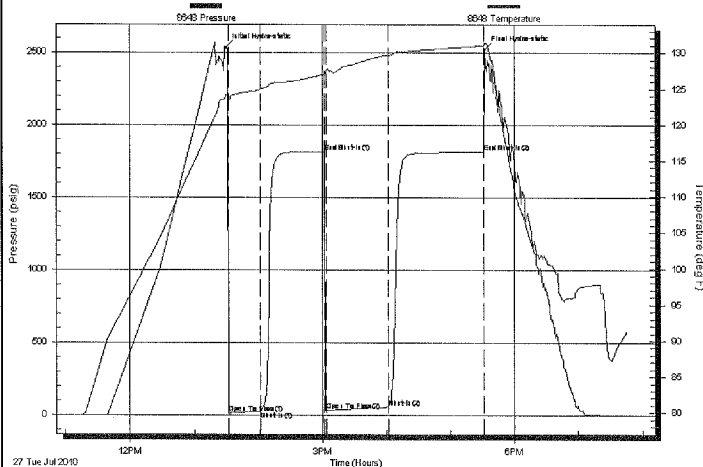
Last Calib.: 2010.07.27

Time On Btm: 2010.07.27 @ 13:29:20

Time Off Btm: 2010.07.27 @ 17:32:39

TEST COMMENT: IF: Very weak blow, built to 3" in bucket.
IS: No blow back.
FF: Very weak blow, built to 4" in bucket.
FSI: No blow back.

Pressure vs. Time



PRESSURE SUMMARY

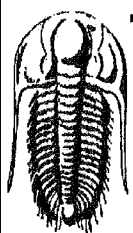
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2535.14	124.14	Initial Hydro-static
2	16.53	122.92	Open To Flow (1)
33	32.50	124.99	Shut-In(1)
93	1818.14	127.01	End Shut-In(1)
94	34.74	127.65	Open To Flow (2)
153	59.99	129.66	Shut-In(2)
243	1816.11	131.01	End Shut-In(2)
244	2522.08	131.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	SOS Muddy Water 1/2%O 48%M 52%W 0.84	
30.00	OS SWCM 1%O 2%W 97%M	0.42
0.00	No Gas In Pipe	0.00
0.00	35,000 ppm CHL	0.00

Gas Rates

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

Val Energy, INC.

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200 W. Douglas
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12-34s-11w Barber KS

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ATTN: Steve Vanbuskirk

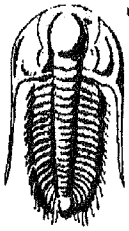
Test Start: 2010.07.27 @ 11:17:00

Tool Information

Drill Pipe:	Length: 4964.00 ft	Diameter: 3.80 inches	Volume: 69.63 bbl	Tool Weight:	3000.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	95000.00 lb
			<u>Total Volume: 69.63 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	77000.00 lb
Depth to Top Packer:	4980.00 ft			Final	77000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	32.00 ft				
Tool Length:	55.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			4962.00		
Hydraulic tool	5.00			4967.00		
Safety Joint	3.00			4970.00		
Packer	5.00			4975.00	23.00	Bottom Of Top Packer
Packer	5.00			4980.00		
Stubb	1.00			4981.00		
Recorder	0.00	8648	Inside	4981.00		
Recorder	0.00	6799	Outside	4981.00		
Perforations	26.00			5007.00		
Bullnose	5.00			5012.00	32.00	Bottom Packers & Anchor
Total Tool Length:		55.00				



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FLUID SUMMARY

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DST#: 1

Test Start: 2010.07.27 @ 11:17:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 10.77 in³

Resistivity: ohm.m

Salinity: 6000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: 35000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	SOS Muddy Water 1/2%O 48%M 52%W	0.842
30.00	OS SWCM 1%O 2%W 97%M	0.421
0.00	No Gas In Pipe	0.000
0.00	35,000 ppm CHL	0.000

Total Length: 90.00 ft Total Volume: 1.263 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .16 @ 88F = 35000ppm chlorides

Pressure vs. Time

