



DRILL STEM TEST REPORT

Prepared For: **Charles N Griffin**

PO Box 347
Pratt, KS 67124

ATTN: Bruce Reed

Scrivner B-1

9-34S-8W Harper,KS

Start Date: 2011.10.20 @ 11:58:19

End Date: 2011.10.20 @ 19:04:19

Job Ticket #: 43999 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Charles N Griffin

9-34S-8W Harper,KS

Scrivner B-1

DST # 1

Mississippi

2011.10.20



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Charles N Griffin

9-34S-8W Harper, KS

PO Box 347
Pratt, KS 67124

Scrivner B-1

Job Ticket: 43999

DST#: 1

ATTN: Bruce Reed

Test Start: 2011.10.20 @ 11:58:19

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:41:04

Time Test Ended: 19:04:19

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 45

Interval: **4628.00 ft (KB) To 4650.00 ft (KB) (TVD)**

Reference Elevations: 1347.00 ft (KB)

Total Depth: 4650.00 ft (KB) (TVD)

1338.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 9.00 ft

Serial #: 6798

Inside

Press@RunDepth: 24.86 psig @ 4629.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.10.20

End Date:

2011.10.20

Last Calib.: 2011.10.20

Start Time: 11:58:20

End Time:

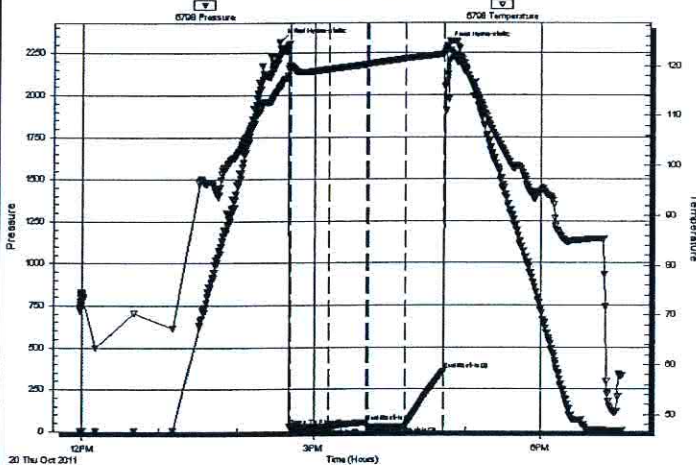
19:04:19

Time On Btmr: 2011.10.20 @ 14:32:49

Time Off Btmr: 2011.10.20 @ 16:44:04

TEST COMMENT: IF: Fair Blow, 7 inches
IS: 3 inch Blow back
FF: Fair Blow, 8 inches
FS: 1 inch Blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2317.21	115.60	Initial Hydro-static
9	25.55	120.08	Open To Flow (1)
39	23.63	119.31	Shut-In(1)
69	51.48	120.26	End Shut-In(1)
71	23.44	120.33	Open To Flow (2)
100	24.86	121.41	Shut-In(2)
130	357.94	122.34	End Shut-In(2)
132	2291.17	124.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	200 GIP	0.00
25.00	GOM 5%G 95%M	0.12

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Charles N Griffin

9-34S-8W Harper,KS

PO Box 347
Pratt, KS 67124

Scrivner B-1

Job Ticket: 43999

DST#: 1

ATTN: Bruce Reed

Test Start: 2011.10.20 @ 11:58:19

Tool Information

Drill Pipe:	Length: 4506.00 ft	Diameter: 3.80 inches	Volume: 63.21 bbl	Tool Weight: 2100.00 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: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 63.80 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4628.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	42.00 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			4613.00	
Hydraulic tool	5.00			4618.00	
Packer	5.00			4623.00	20.00 Bottom Of Top Packer
Packer	5.00			4628.00	
Stubb	1.00			4629.00	
Recorder	0.00	6798	Inside	4629.00	
Recorder	0.00	8367	Outside	4629.00	
Perforations	18.00			4647.00	
Bullnose	3.00			4650.00	22.00 Bottom Packers & Anchor
Total Tool Length:	42.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charles N Griffin

9-34S-8W Harper,KS

PO Box 347
Pratt, KS 67124

Scrivner B-1

Job Ticket: 43999

DST#: 1

ATTN: Bruce Reed

Test Start: 2011.10.20 @ 11:58:19

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: 49.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
0.00	200 GIP	0.000
25.00	GCM5%G 95%M	0.123

Total Length: 25.00 ft

Total Volume: 0.123 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

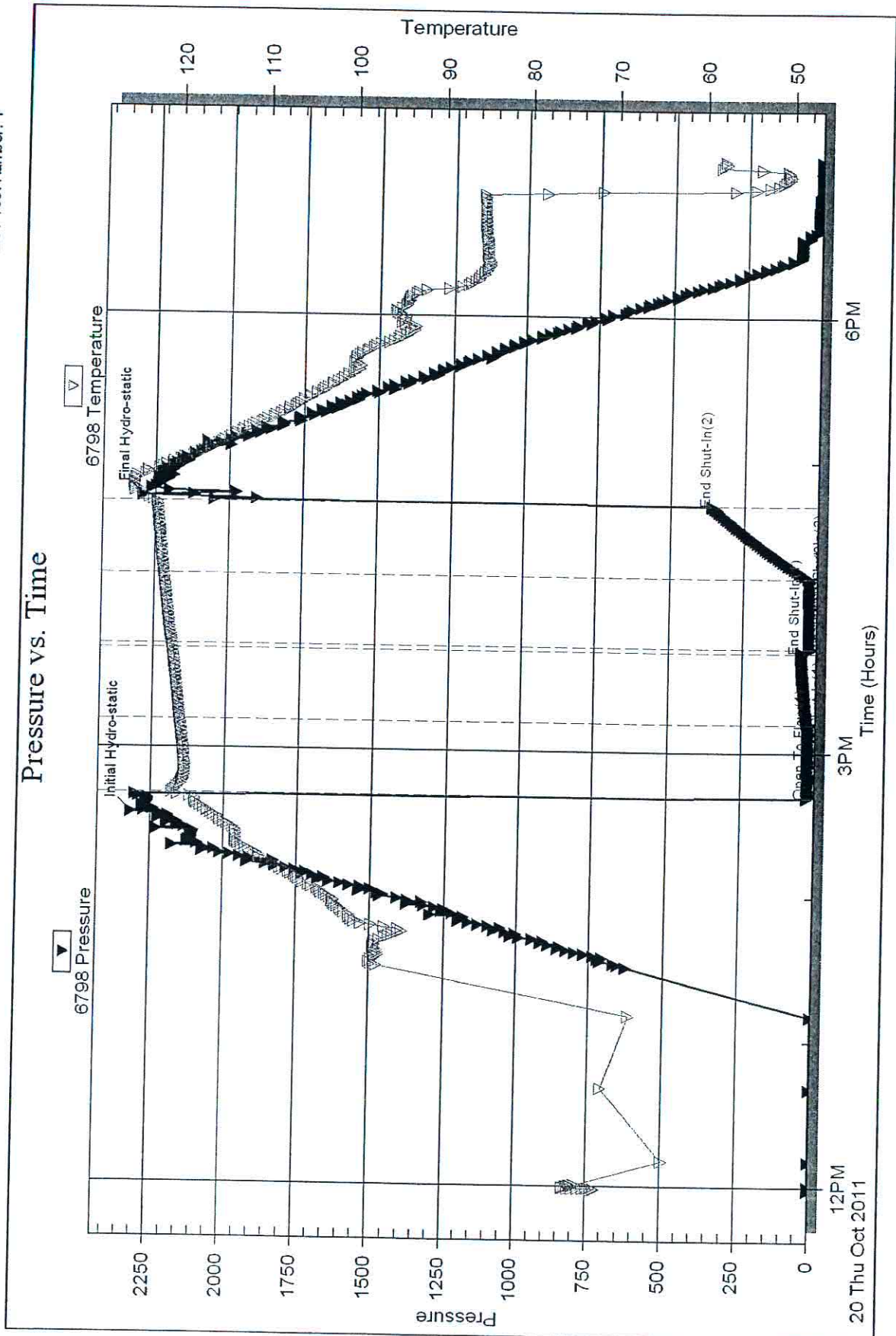
Serial #: 6798

Inside

Charles N Griffin

Scrivner B-1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 43999

Printed: 2011.10.26 @ 16:44:51



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Charles N Griffin**

PO Box 347
Pratt, KS 67124

ATTN: Bruce Reed

Scrivner B-1

9-34S-8W Harper,KS

Start Date: 2011.10.21 @ 02:30:36

End Date: 2011.10.21 @ 12:13:36

Job Ticket #: 44000 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Charles N Griffin

9-34S-8W Harper,KS

Scrivner B-1

DST # 2

Mississippi

2011.10.21



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Charles N Griffin

9-34S-8W Harper, KS

PO Box 347
Pratt, KS 67124

Scrivner B-1

Job Ticket: 44000

DST#: 2

ATTN: Bruce Reed

Test Start: 2011.10.21 @ 02:30:36

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:59:06

Time Test Ended: 12:13:36

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 45

Interval: 4654.00 ft (KB) To 4670.00 ft (KB) (TVD)

Reference Elevations: 1347.00 ft (KB)

Total Depth: 4670.00 ft (KB) (TVD)

1338.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 9.00 ft

Serial #: 6798

Inside

Press@RunDepth: 67.97 psig @ 4655.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.10.21

End Date: 2011.10.21

Last Calib.: 2011.10.21

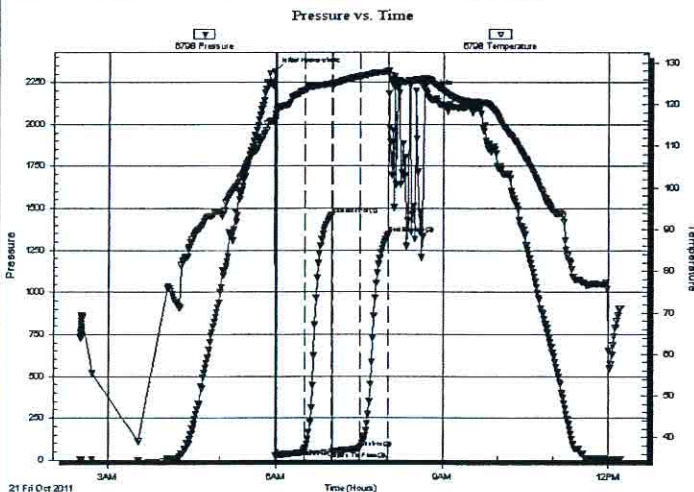
Start Time: 02:30:37

End Time: 12:13:36

Time On Btm: 2011.10.21 @ 05:58:06

Time Off Btm: 2011.10.21 @ 08:01:21

TEST COMMENT: IF: Weak Blow, 4 inches
IS: No Blow back
FF: Weak Blow, 3 inches
FS: No Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2315.86	115.97	Initial Hydro-static
1	24.48	116.85	Open To Flow (1)
33	60.69	123.19	Shut-In(1)
62	1462.16	124.93	End Shut-In(1)
63	48.28	124.65	Open To Flow (2)
93	67.97	126.72	Shut-In(2)
123	1345.90	127.76	End Shut-In(2)
124	2182.13	128.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	SOCM 5%O 95%M	0.32

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Charles N Griffin

9-34S-8W Harper, KS

PO Box 347
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Scrivner B-1

Job Ticket: 44000

DST#: 2

ATTN: Bruce Reed

Test Start: 2011.10.21 @ 02:30:36

Tool Information

Drill Pipe:	Length: 4536.00 ft	Diameter: 3.80 inches	Volume: 63.63 bbl	Tool Weight: 2100.00 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: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 64.22 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4654.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	36.00 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			4639.00	
Hydraulic tool	5.00			4644.00	
Packer	5.00			4649.00	20.00 Bottom Of Top Packer
Packer	5.00			4654.00	
Stubb	1.00			4655.00	
Recorder	0.00	6798	Inside	4655.00	
Recorder	0.00	8367	Outside	4655.00	
Perforations	12.00			4667.00	
Bullnose	3.00			4670.00	16.00 Bottom Packers & Anchor
Total Tool Length:	36.00				



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PO Box 347
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Scrivner B-1

Job Ticket: 44000

DST#: 2

ATTN: Bruce Reed

Test Start: 2011.10.21 @ 02:30:36

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 49.00 sec/qt
Water Loss: 8.98 in³
Resistivity: ohm.m
Salinity: 8000.00 ppm
Filter Cake: 0.20 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	SOCM 5%O 95%M	0.320

Total Length: 65.00 ft Total Volume: 0.320 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 6798

Inside

Charles N Griffin

Scrivner B-1

DST Test Number: 2

