

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Charles N Griffin**

PO Box 347
Pratt, KS 67124

ATTN: Bruce Reed

2-34S-8W Harper,KS

Gates #2

Start Date: 2011.05.06 @ 03:28:18

End Date: 2011.05.06 @ 07:38:48

Job Ticket #: 042437 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

ORIGINAL

Printed: 2011.05.11 @ 16:14:20 Page 1

Charles N Griffin

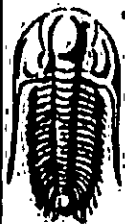
Gates #2

2-34S-8W Harper,KS

DST # 1

Mississippi

2011.05.06



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Charles N Griffin

Gates #2

PO Box 347
Pratt, KS 67124

2-34S-8W Harper, KS

Job Ticket: 042437 DST#: 1

ATTN: Bruce Reed

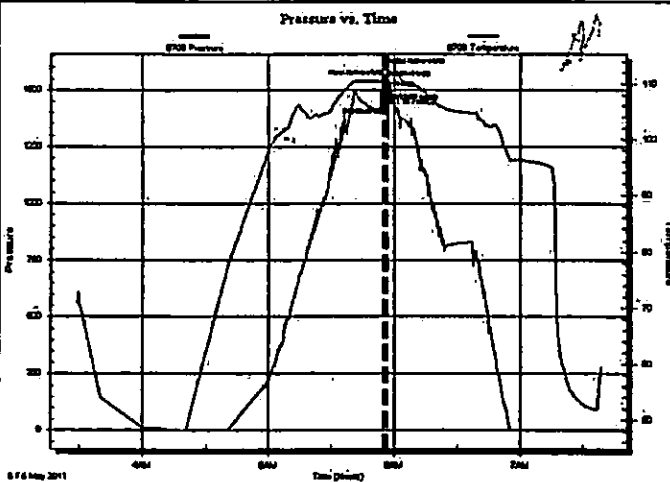
Test Start: 2011.05.06 @ 03:28:18

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: **No Whipstock** ft (KB)
 Test Type: **Conventional Bottom Hole**
 Time Tool Opened: **05:54:48**
 Tester: **Leal Cason**
 Time Test Ended: **07:38:48**
 Unit No: **45**
 Interval: **4650.00 ft (KB) To 4678.00 ft (KB) (TVD)**
 Reference Elevations: **1397.00 ft (KB)**
 Total Depth: **4678.00 ft (KB) (TVD)**
1387.00 ft (CF)
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 KB to GR/CP: **10.00 ft**

Serial #: **6798** Inside
 Press@RunDepth: **1489.73 psig @ 4651.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2011.05.06** End Date: **2011.05.06** Last Calib.: **2011.05.06**
 Start Time: **03:28:19** End Time: **07:38:48** Time On Btm: **2011.05.06 @ 05:54:18**
 Time Off Btm: **2011.05.06 @ 05:58:18**

TEST COMMENT: Bridge 1600 feet from bottom, could not get through, tripped back out



PRESSURE SUMMARY

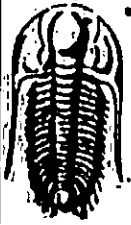
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1582.03	110.47	Initial Hydro-static
1	1427.69	111.02	Open To Flow (1)
1	1505.85	111.29	Shut-In(1)
2	1551.92	111.53	End Shut-In(1)
2	1488.74	111.53	Open To Flow (2)
3	1489.73	111.70	Shut-In(2)
3	1423.41	111.92	End Shut-In(2)
4	1529.63	112.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Charles N Griffin

Gates #2

PO Box 347
Pratt, KS 67124

2-34S-8W Harper, KS

Job Ticket: 042437

DST#: 1

ATTN: Bruce Reed

Test Start: 2011.05.06 @ 03:28:18

Tool Information

Drill Pipe:	Length: 4638.00 ft	Diameter: 3.80 inches	Volume: 65.03 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: lb
Drill Collar:	Length: ft	Diameter: 2.25 inches	Volume: - bbl	Weight to Pull Loose: lb
			Total Volume: - bbl	Tool Chased: ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial lb
Depth to Top Packer:	4650.00 ft			Final lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	48.00 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			4635.00	
Hydraulic tool	5.00			4640.00	
Packer	5.00			4645.00	20.00 Bottom Of Top Packer
Packer	5.00			4650.00	
Stubb	1.00			4651.00	
Recorder	0.00	6798	Inside	4651.00	
Recorder	0.00	8367	Outside	4651.00	
Perforations	24.00			4675.00	
Bullnose	3.00			4678.00	28.00 Bottom Packers & Anchor
Total Tool Length:	48.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charles N Griffin

Gates #2

PO Box 347
Pratt, KS 67124

2-34S-8W Harper, KS

Job Ticket: 042437 DST#: 1

ATTN: Bruce Reed

Test Start: 2011.05.06 @ 03:28:18

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: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

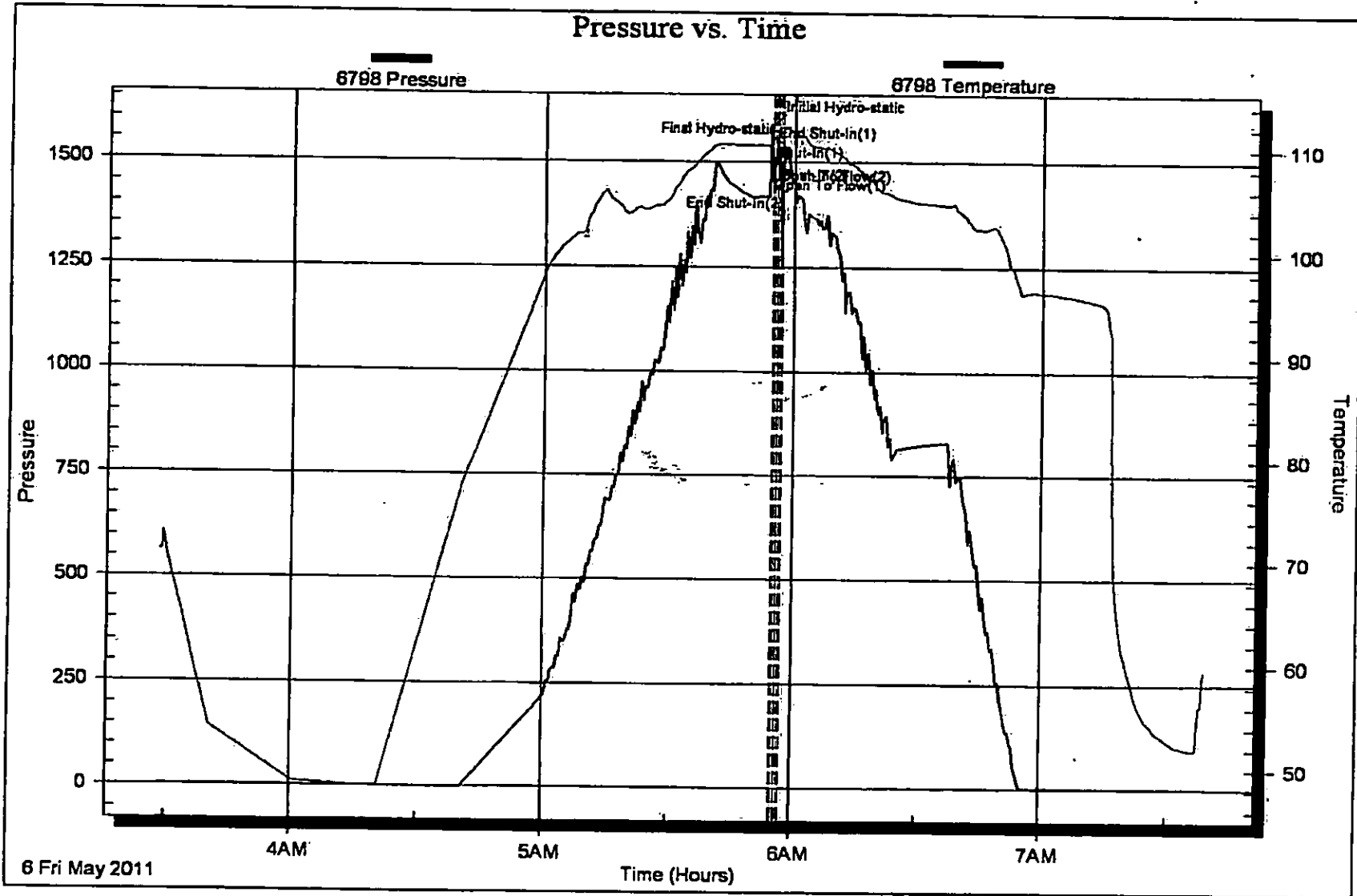
Length ft	Description	Volume bbl

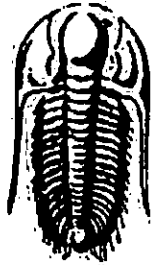
Total Length: ft Total Volume: bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Charles N Griffin**

PO Box 347
Pratt, KS 67124

ATTN: Bruce Reed

2-34S-8W Harper, KS

Gates #2

Start Date: 2011.05.06 @ 15:00:46

End Date: 2011.05.07 @ 00:41:16

Job Ticket #: 042438 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Charles N Griffin

Gates #2

2-34S-8W Harper, KS

DST # 2

Mississippi

2011.05.06



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Charles N Griffin

Gates #2

PO Box 347
Pratt, KS 67124

2-34S-8W Harper, KS

Job Ticket: 042438 DST#: 2

ATTN: Bruce Reed

Test Start: 2011.05.06 @ 15:00:46

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: 17:57:46
Time Test Ended: 00:41:16

Test Type: **Conventional Bottom Hole**
Tester: **Leal Cason**
Unit No: **45**

Interval: **4650.00 ft (KB) To 4678.00 ft (KB) (TVD)**
Total Depth: **4678.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **1397.00 ft (KB)**
1387.00 ft (CF)
KB to GR/CP: **10.00 ft**

Serial #: **6798**

Inside

Press@RunDepth: **294.46 psig @ 4651.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2011.05.06**

End Date:

2011.05.07

Last Calib.: **2011.05.07**

Start Time: **15:00:47**

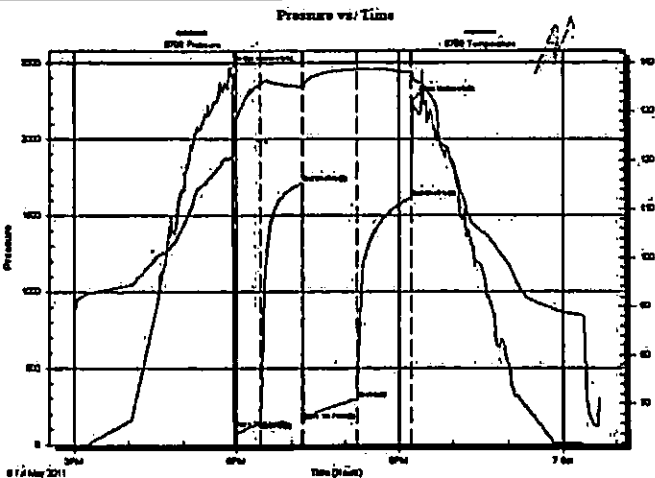
End Time:

00:41:16

Time On Btm: **2011.05.06 @ 17:53:16**

Time Off Btm: **2011.05.06 @ 21:15:31**

TEST COMMENT: IF: Strong Blow, BOB in 20 seconds, GTS in 20 minutes, Caught Sample & Gauged Gas
IS: Bled Off, 1 inch Blow back
FP: Strong Blow, BOB & GTS Immediate, Gas Was TSTM
FS: Bled Off, 1 inch Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2457.73	120.60	Initial Hydro-static
5	110.18	125.01	Open To Flow (1)
34	148.35	135.72	Shut-In (1)
80	1714.92	135.03	End Shut-In (1)
81	157.37	134.58	Open To Flow (2)
140	294.46	138.64	Shut-In (2)
201	1615.71	138.00	End Shut-In (2)
203	2253.60	136.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	4096 GIP	0.00
240.00	GSY Salt Water	3.37
120.00	GSY MOCW 30%G 5%O 5%M 60%WV	1.68
180.00	GSY MOCW 46%G 20%O 14%M 20%WV	2.52

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	4.00	29.35
Last Gas Rate	0.25	4.00	29.35



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Charles N Griffin

Gates #2

PO Box 347
Pratt, KS 67124

2-34S-8W Harper, KS

Job Ticket: 042438

DST#: 2

ATTN: Bruce Reed

Test Start: 2011.05.06 @ 15:00:46

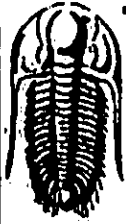
Tool Information

Drill Pipe:	Length: 4636.00 ft	Diameter: 3.80 inches	Volume: 65.03 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			Total Volume: 65.03 bbl	Tool Chased: ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	4650.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	48.00 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			4635.00	
Hydraulic tool	5.00			4640.00	
Packer	5.00			4645.00	20.00 Bottom Of Top Packer
Packer	5.00			4650.00	
Stubb	1.00			4651.00	
Recorder	0.00	6798	Inside	4651.00	
Recorder	0.00	8367	Outside	4651.00	
Perforations	24.00			4675.00	
Bullnose	3.00			4678.00	28.00 Bottom Packers & Anchor
Total Tool Length:	48.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charles N Griffin

Gates #2

PO Box 347
Pratt, KS 67124

2-34S-8W Harper, KS

Job Ticket: 042438 DST#: 2

ATTN: Bruce Reed

Test Start: 2011.05.06 @ 15:00:46

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length:	Water Salinity:	124000 ppm
Viscosity: 69.00 sec/qt			
Water Loss: 7.98 in ³	Cushion Volume:		
Resistivity: ohm.m	Gas Cushion Type:		
Salinity: 6000.00 ppm	Gas Cushion Pressure:		
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

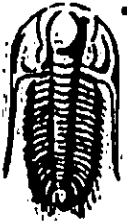
Length ft	Description	Volume bbl
0.00	4096 GP	0.000
240.00	GSY Salt Water	3.367
120.00	GSY MOCW 30%G 5%O 5%M 60%W	1.683
180.00	GSY MOCW 46%G 20%O 14%M 20%W	2.525

Total Length: 540.00 ft Total Volume: 7.575 bbl

Num Fluid Samples: 1 Num Gas Borbs: 0 Serial #:

Laboratory Name: Caraway Laboratory Location: Liberal, KS

Recovery Comments: RW.07 @ 70 degrees



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Charles N Griffin

Gates #2

PO Box 347
Pratt, KS 67124

2-34S-8W Harper, KS

Job Ticket: 042438

DST#: 2

ATTN: Bruce Reed

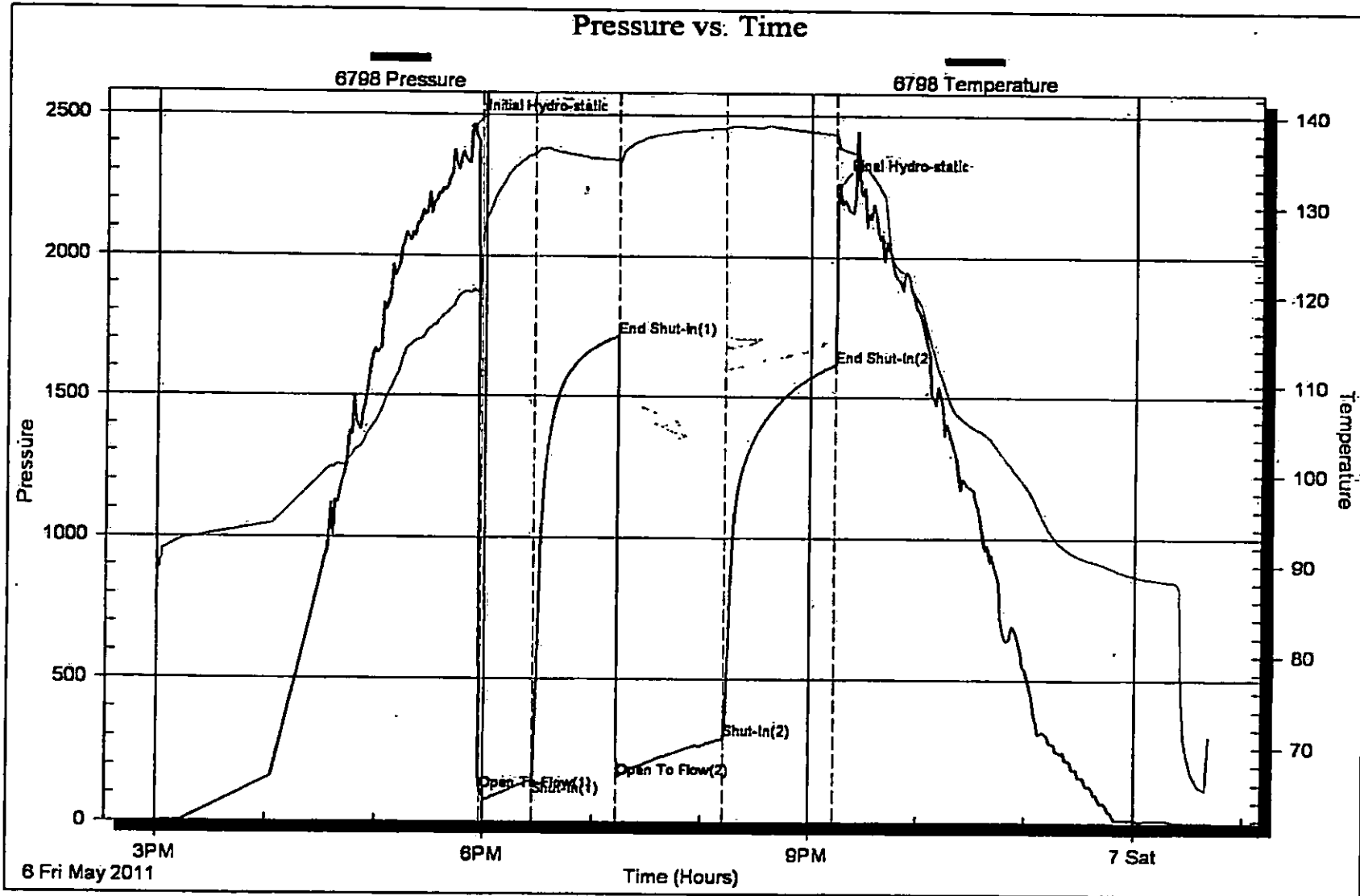
Test Start: 2011.05.06 @ 15:00:46

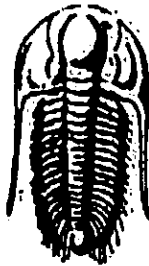
Gas Rates Information

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)
1	25	0.25	4.00	29.35
1	25	0.25	4.00	29.35





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Charles N Griffin**

PO Box 347
Pratt, KS 67124

ATTN: Bruce Reed

2-34S-8W Harper, KS

Gates #2

Start Date: 2011.05.07 @ 13:01:58

End Date: 2011.05.07 @ 20:38:58

Job Ticket #: 042439 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Charles N Griffin

Gates #2

2-34S-8W Harper, KS

DST #3

Mississippi

2011.05.07



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Charles N Griffin

Gates #2

PO Box 347
Pratt, KS 67124

2-34S-8W Harper, KS

Job Ticket: 042439

DST#: 3

ATTN: Bruce Reed

Test Start: 2011.05.07 @ 13:01:58

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: 14:55:58
Time Test Ended: 20:38:58

Test Type: **Conventional Bottom Hole**
Tester: **Leal Cason**
Unit No: **45**

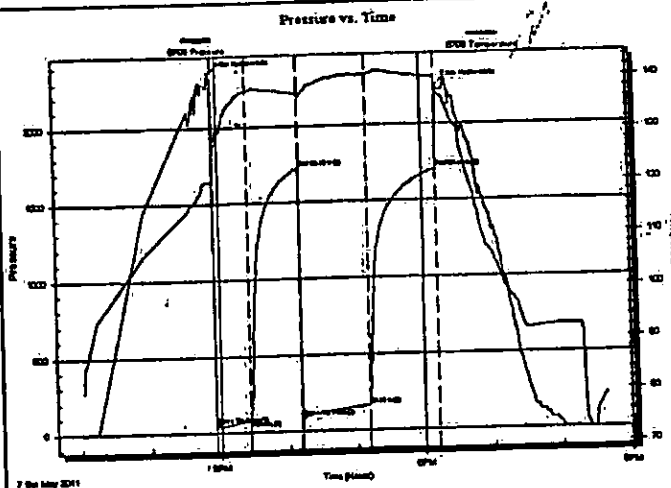
Interval: **4682.00 ft (KB) To 4696.00 ft (KB) (TVD)**
Total Depth: **4696.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **1397.00 ft (KB)**
1387.00 ft (CF)
KB to GR/CF: **10.00 ft**

Serial #: **6798** Inside
Press@RunDepth: **164.13 psig @ 4683.00 ft (KB)**
Start Date: **2011.05.07** End Date: **2011.05.07**
Start Time: **13:01:59** End Time: **20:38:58**

Capacity: **8000.00** psig
Last Calib.: **2011.05.07**
Time On Btm: **2011.05.07 @ 14:52:58**
Time Off Btm: **2011.05.07 @ 18:13:28**

TEST COMMENT: **IF: Strong Blow, BOB in 2 minutes
IS: Bled Off, No Blow back
FF: Fair Blow, BOB in 18 minutes
FS: Bled Off, No Blow back**



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2353.60	120.39	Initial Hydro-static
3	49.68	125.19	Open To Flow (1)
33	83.01	138.07	Shut-In(1)
78	1726.46	137.17	End Shut-In(1)
79	87.17	138.63	Open To Flow (2)
139	164.13	140.70	Shut-In(2)
199	1704.14	139.93	End Shut-In(2)
201	2256.68	137.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	496 Feet GIP	0.00
240.00	Salt Water	3.37
62.00	GSY MCW 10%G 30%M 60%W	0.87
63.00	GSY ONCM 20%G 5%O 29%W 46%M	0.88

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcfd)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Charles N Griffin

Gates #2

PO Box 347
Pratt, KS 67124

2-34S-8W Harper, KS

Job Ticket: 042439

DST#: 3

ATTN: Bruce Reed

Test Start: 2011.05.07 @ 13:01:58

Tool Information

Drill Pipe:	Length: 4669.00 ft	Diameter: 3.80 inches	Volume: 65.49 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 72000.00 lb
			<u>Total Volume: 65.49 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4682.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	34.00 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			4667.00	
Hydraulic tool	5.00			4672.00	
Packer	5.00			4677.00	20.00 Bottom Of Top Packer
Packer	5.00			4682.00	
Stubb	1.00			4683.00	
Recorder	0.00	6798	Inside	4683.00	
Recorder	0.00	8367	Outside	4683.00	
Perforations	10.00			4693.00	
Bullnose	3.00			4696.00	14.00 Bottom Packers & Anchor
Total Tool Length:	34.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Charles N Griffin

Gates #2

PO Box 347
Pratt, KS 67124

2-34S-8W Harper, KS

Job Ticket: 042439

DST#: 3

ATTN: Bruce Reed

Test Start: 2011.05.07 @ 13:01:58

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 60.00 sec/qt

Water Loss: 13.59 in³

Resistivity: ohm m

Salinity: 13000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API

deg API

Water Salinity:

125000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	496 Feet GIP	0.000
240.00	Salt Water	3.367
62.00	GSY MCW:10%G 30%M 60%W	0.870
63.00	GSY ONCM 20%G 5%O 29%W 46%M	0.884

Total Length: 365.00 ft Total Volume: 5.121 bbl

Num Fluid Samples: 0

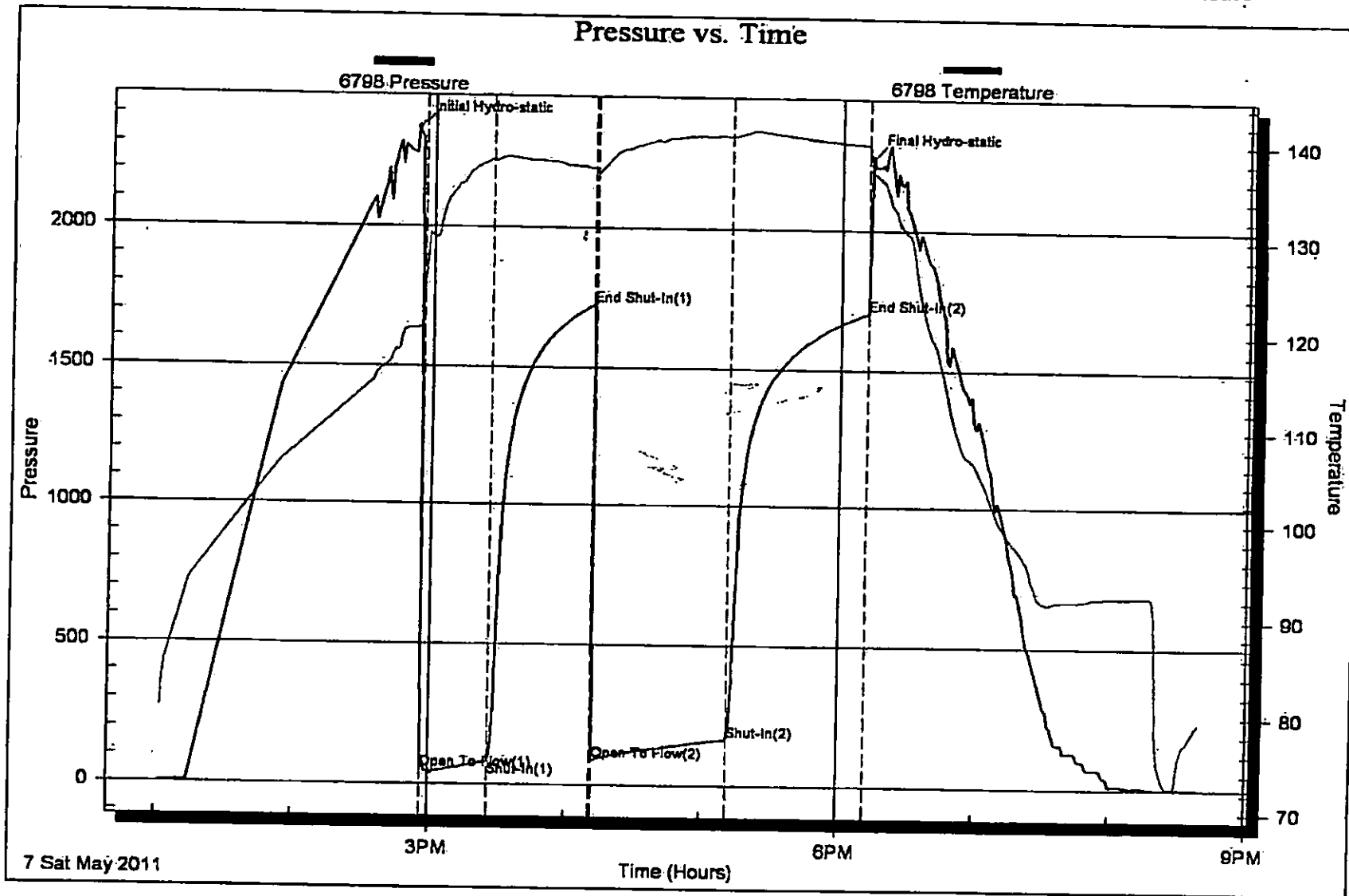
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RV was .06 @ 80 degrees





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

MAY 09 2011

Test Ticket

No. 042437

Well Name & No. Gates #2 Test No. 1 Date 05/06/11
 Company Charles N. Griffin Elevation 139.7 KB 1387 GL
 Address PO Box 347 Pratt KS 67124
 Co. Rep / Geo. Bruce Reed Rig Val Rig #2
 Location: Sec. 2 Twp. 34S Rge. 8W Co. Harper State KS

Interval Tested 4650 - 4678 Zone Tested Mississippi
 Anchor Length 28 Drill Pipe Run 4636 Mud Wt. 9.3
 Top Packer Depth 4645 Drill Collars Run 0 Vis 49
 Bottom Packer Depth 4650 Wt. Pipe Run 0 WL 8.8
 Total Depth 4678 Chlorides 3000 ppm System LCM 0

Blow Description Hit Bridge @ 16.00 Feet from Bottom. Could NOT Get TO Bottom.

Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total N/A BHT 111° Gravity N/A API RW N/A @ N/A F Chlorides N/A ppm

(A) Initial Hydrostatic Test 1225 T-On Location 03:00
 (B) First Initial Flow Jars T-Started 03:28
 (C) First Final Flow Safety Joint T-Open N/A
 (D) Initial Shut-In Circ Sub T-Pulled 05:57
 (E) Second Initial Flow Hourly Standby T-Out 07:38
 (F) Second Final Flow Mileage (160) 224 Comments _____
 (G) Final Shut-In Sampler _____
 (H) Final Hydrostatic Straddle _____
 _____ Shale Packer _____
 _____ Extra Packer _____
 _____ Extra Recorder _____
 _____ Day Standby _____
 _____ Accessibility _____
 Sub Total 1449 Sub Total 0
 Total 1449 MP/DST Disc't _____

Approved By Bruce Reed Our Representative [Signature]

TriLOBite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 - Hays, Kansas 67601

REC-55V-RE
MAY 09 2011

Test Ticket

NO. 042438

Well Name & No. Gates #2 BY: _____ Test No. 2 Date 05/06/11
 Company Charles N. Griffin Elevation 1397 KB 1387 GL _____
 Address PO Box 347 Pratt KS 67124
 Co. Rep/Geo. Bruce Reed Rig Val Rig #2
 Location: Sec. 2 Twp. 34S Rge. 8W Co. Harper State KS

Interval Tested 4650 - 4678 Zone Tested Mississippi
 Interval Length 28 Drill Pipe Run 4636 Mud Wt. 9.3
 Top Packer Depth 4645 Drill Collars Run 0 Vis 69
 Bottom Packer Depth 4650 Wt. Pipe Run 0 WL 8.0
 Interval Depth 4678 Chlorides 6.000 ppm System LCM 1/2 #

Flow Description IF: Strong Blow, BOB in 20 seconds, GTS in 20 minutes, Ganged Gas + caught some
SI: Bled off, 1 inch Blowback
F: Strong Blow, BOB + GTS Immediate, Gas was TSTM
SI: Bled off, 1 inch Blowback

Feet of	%gas	%oil	%water	%mud
<u>4096</u> Feet of <u>GFP</u>				
<u>180</u> Feet of <u>GSY MOCW</u>	<u>46%</u>	<u>20%</u>	<u>20%</u>	<u>14%</u>
<u>120</u> Feet of <u>GSY MOCW</u>	<u>30%</u>	<u>5%</u>	<u>60%</u>	<u>5%</u>
<u>240</u> Feet of <u>GSY Saltwater</u>	<u>10%</u>		<u>90%</u>	

IC Total 540 BHT 138 Gravity N/C API RW .07 @ 70° F Chlorides 124000 ppm
 Initial Hydrostatic 2458 Test 1225' T-On Location 14:30
 First Initial Flow 110 Jars _____ T-Started 15:00
 First Final Flow 148 Safety Joint _____ T-Open 17:57
 Initial Shut-In 1715 Circ Sub _____ T-Pulled 21:14
 Second Initial Flow 157 Hourly Standby 1/4 hr 25' T-Out 00:41
 Second Final Flow 294 Mileage (160) 224' Comments _____
 Final Shut-In 1616 Sampler _____
 Final Hydrostatic 2254 Straddle _____
 Shale Packer _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1474'

Approved By Bruce Reed Our Representative [Signature]
 TriLOBITE TESTING INC. shall not be liable for damaged or any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAY 11 2011

Test Ticket

NO. 042439

Well Name & No. GATES #2 BY: _____ Test No. 3 Date 05/07/11
 Company Charles No Griffin Elevation 1397 KB 1387 GL
 Address PO Box 347 Pratt KS 67124
 Co. Rep / Geo. Bruce Reed Rig Val Rig #2
 Location: Sec. 2 Twp. 34S Rge. 8w Co. HARPER State KS

Interval Tested 4682 - 4696 Zone Tested Mississippi
 Anchor Length 14 Drill Pipe Run 4669 Mud Wt. 9.2
 Top Packer Depth 4677 Drill Collars Run 0 Vis 60
 Bottom Packer Depth 4682 Wt. Pipe Run 0 WL 13.6
 Total Depth 4696 Chlorides 13000 ppm System LCM 2#

Blow Description IF: Strong Blow, BOB in 2 minutes
ISF: Bled off, NO Blowback
FF: Fair Blow, BOB in 18 minutes
ESI:

Rec	Feet of	%gas	%oil	%water	%mud
<u>496</u>	<u>GIP</u>				
<u>63</u>	<u>GSY ONCM</u>	<u>20</u>	<u>5</u>	<u>29</u>	<u>46</u>
<u>63</u>	<u>GSY MCW</u>	<u>10</u>	<u>60</u>		<u>30</u>
<u>240</u>	<u>WATER</u>				

Rec Total 365 BHT 140° Gravity N/C API RW .06 @ 80° F Chlorides 125000 ppm

(A) Initial Hydrostatic 23.54 Test 1225' T-On Location 12:45
 (B) First Initial Flow 50 Jars _____ T-Started 13:01
 (C) First Final Flow 83 Safety Joint _____ T-Open 14:55
 (D) Initial Shut-In 1726 Circ Sub. _____ T-Pulled 18:11
 (E) Second Initial Flow 87 Hourly Standby _____ T-Out 20:38
 (F) Second Final Flow 164 Mileage (160) 224' Comments _____
 (G) Final Shut-In 1704 Sampler _____
 (H) Final Hydrostatic 2257 Straddle _____

Initial Open 30 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 45 Extra Packer _____ Ruined Packer _____
 Final Flow 60 Extra Recorder _____ Extra Copies _____
 Final Shut-In 60 Day Standby _____ Sub Total 8
 Total 1449 MP/DST Disc't _____
 Sub Total 1449

Approved By Bruce Reed Our Representative _____
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.