



1058701

Operator Name: Griffin, Charles N. Lease Name: Gates Well #: 2
 Sec. 2 Twp. 34 S. R. 8 East West County: Harper

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: <small>Dual Induction Log Compensated Neutron Log Sonic Cement Bond Log</small>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Kansas City</td> <td>4063</td> <td>2666</td> </tr> <tr> <td>Bottom Kansas City</td> <td>4304</td> <td>2907</td> </tr> <tr> <td>Fort Scott</td> <td>4477</td> <td>3080</td> </tr> <tr> <td>Cherokee</td> <td>4488</td> <td>3091</td> </tr> <tr> <td>Mississippi</td> <td>4632</td> <td>3235</td> </tr> <tr> <td>Mississippi Lime</td> <td>4650</td> <td>3253</td> </tr> </tbody> </table>	Name	Top	Datum	Kansas City	4063	2666	Bottom Kansas City	4304	2907	Fort Scott	4477	3080	Cherokee	4488	3091	Mississippi	4632	3235	Mississippi Lime	4650	3253
Name	Top	Datum																				
Kansas City	4063	2666																				
Bottom Kansas City	4304	2907																				
Fort Scott	4477	3080																				
Cherokee	4488	3091																				
Mississippi	4632	3235																				
Mississippi Lime	4650	3253																				

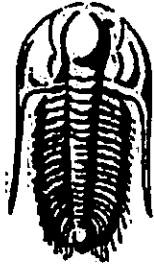
CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	224	Common	200	
Production	7.875	5.5	15.5	4745	AA2	150	10% salt, 1% gas blk, 5# Gilsontz

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	-			
	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
3	4662-4666	2000 gal 10% hcl	
3	4641-4647	2000 gal 10% hcl	

TUBING RECORD:	Size: <u>2-7/8</u>	Set At: <u>4684</u>	Packer At: <u>N/A</u>	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>05/25/2011</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____		
Estimated Production Per 24 Hours	Oil Bbls. <u>10</u>	Gas Mcf <u>0</u>	Water Bbls. <u>30</u>	Gas-Oil Ratio

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>4641-4647</u> <u>4662-4666</u>
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**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

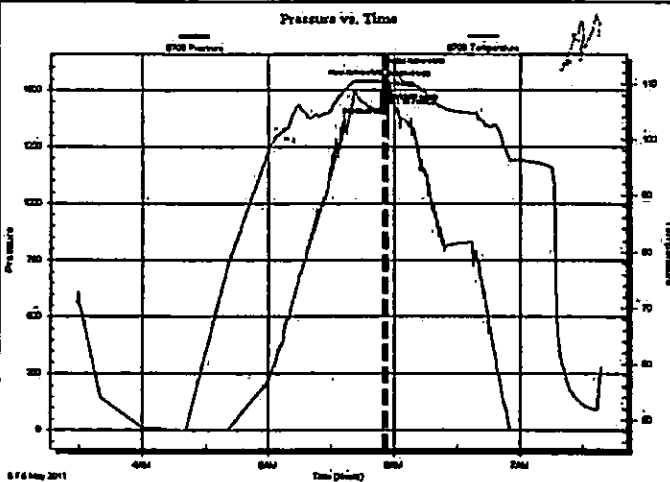
Test Start: 2011.05.06 @ 03:28:18

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

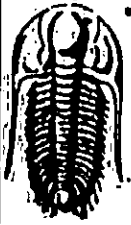
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1582.03	110.47	Initial Hydro-static
1	1427.69	111.02	Open To Flow (1)
1	1505.85	111.29	Shut-In(1)
2	1551.92	111.53	End Shut-In(1)
2	1488.74	111.53	Open To Flow (2)
3	1489.73	111.70	Shut-In(2)
3	1423.41	111.92	End Shut-In(2)
4	1529.63	112.15	Final Hydro-static

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	
Stub	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

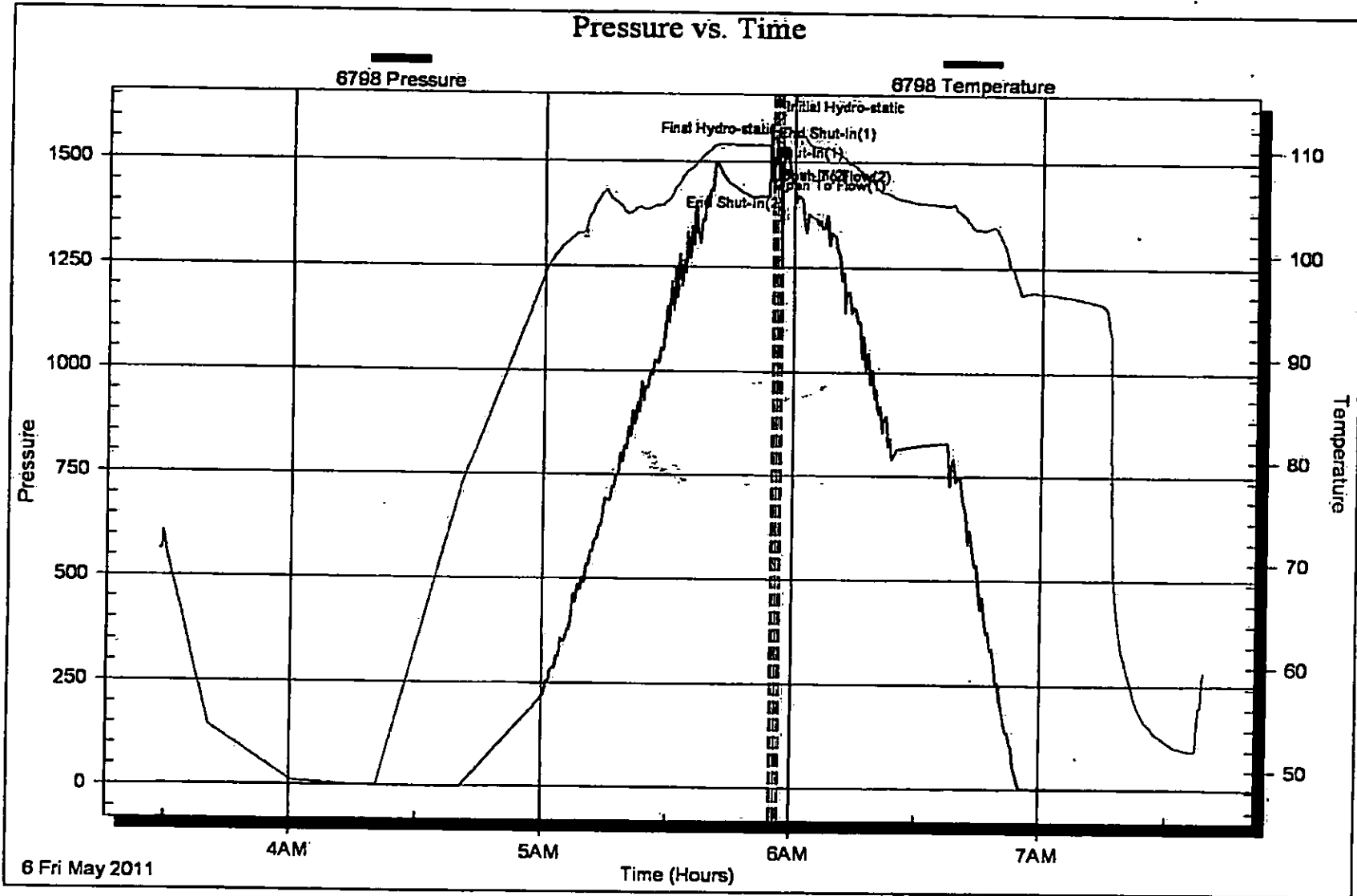
Length ft	Description	Volume bbl

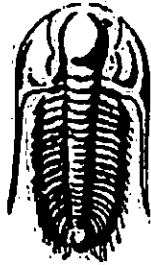
Total Length: ft Total Volume: bbl

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**

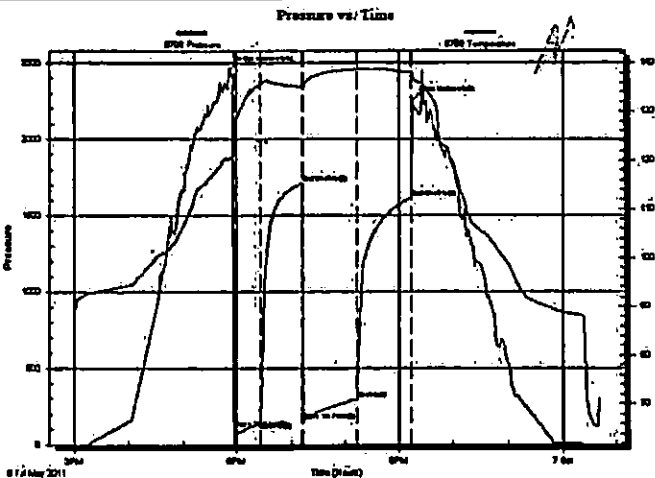
End Time:

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			
Resistivity: ohm.m			
Salinity: 6000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

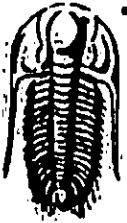
Length ft	Description	Volume bbl
0.00	4096 GP	0.000
240.00	GSY Salt Water	3.367
120.00	GSY MOCW 30%G 5%O 5%M 60%W	1.683
180.00	GSY MOCW 46%G 20%O 14%M 20%W	2.525

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

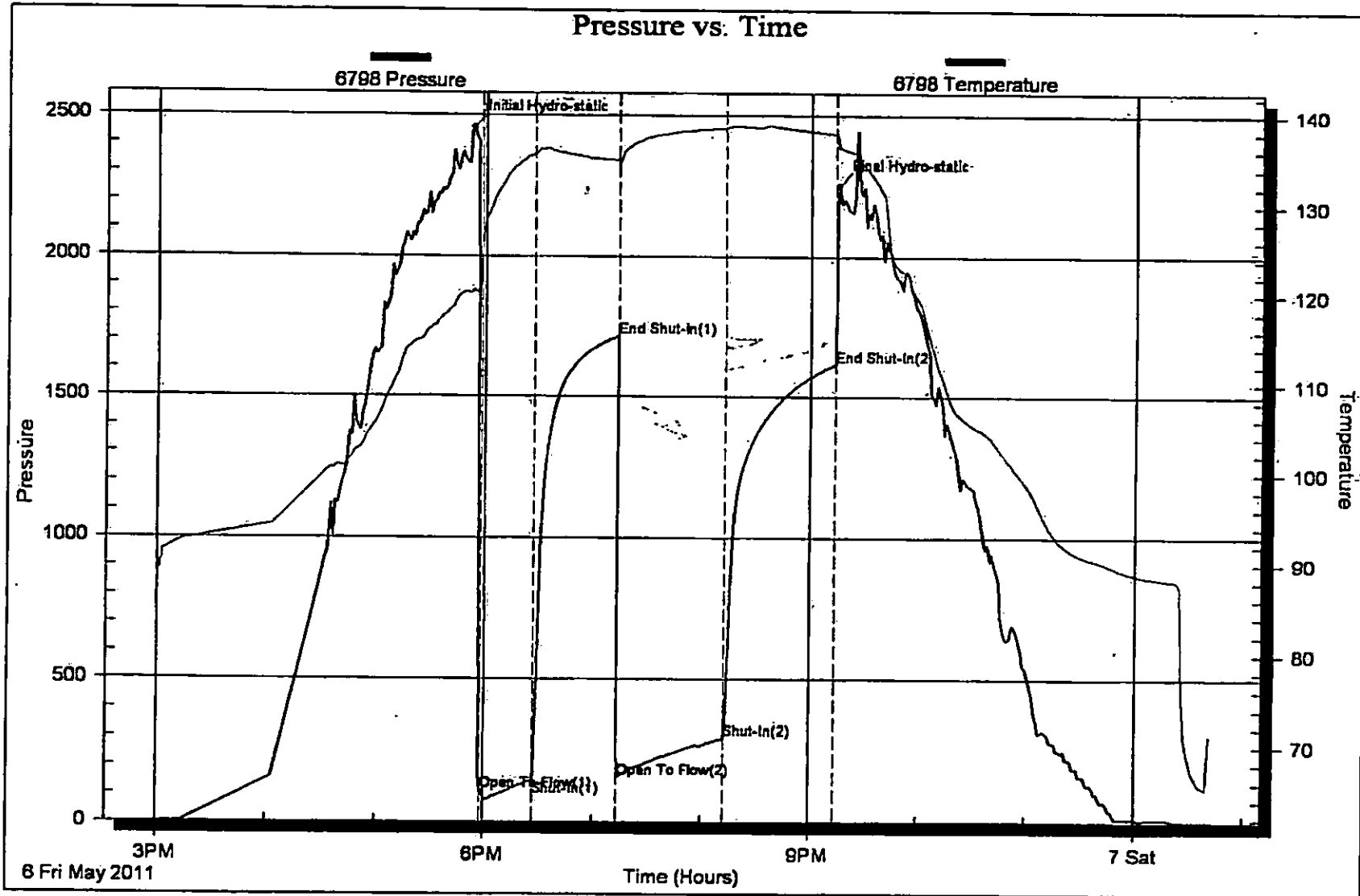
Test Start: 2011.05.06 @ 15:00:46

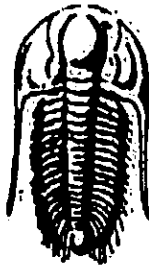
Gas Rates Information

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**

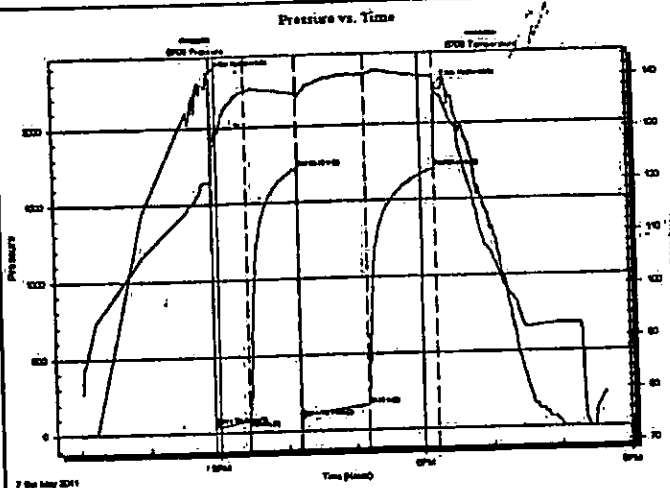
Interval: **4682.00 ft (KB) To 4696.00 ft (KB) (TVD)**
Total Depth: **4696.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**

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
FSt Bled Off, No Blow back
FF: Fair Blow, BOB in 18 minutes
FSt 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

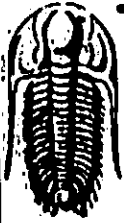
Tool Information

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

bbf

psig

Oil API:

Water Salinity:

deg API

125000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
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

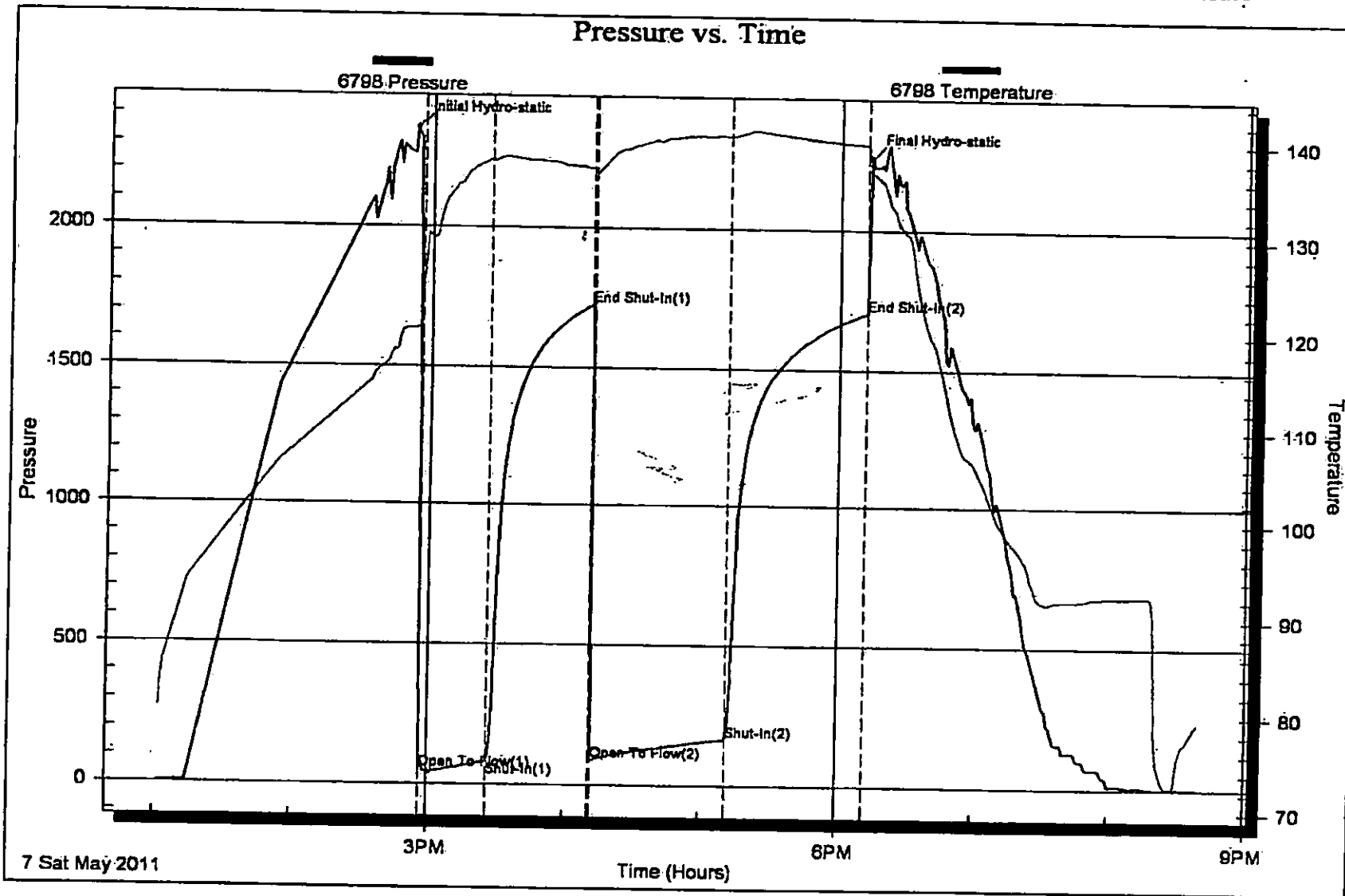
Num Gas Bombs: 0

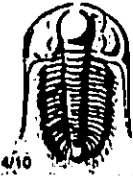
Serial #:

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, Gauged Gas + caught sample
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 _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Packer _____
 Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1474'
 Initial Flow 60 Accessibility _____ MP/DST Disc't _____
 Initial Shut-In 60 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	Feet of	%gas	%oil	%water	%mud

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 Ruined Shale Packer _____
 Initial Shut-In 45 Ruined Packer _____
 Final Flow 60 Extra Packer _____
 Final Shut-In 60 Extra Recorder _____
 Sub Total 1449 Extra Copies _____
 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.

Customer <i>PRITT W. Maintenance</i>	Lease No.	Date <i>4-30-11</i>	
Lease <i>9A Tr 2</i>	Well # <i>2</i>		
Field Order # <i>3970</i>	Station <i>PRITT W</i>	Casing <i>8 7/8"</i>	Depth <i>524'</i>
Type Job <i>CNW 8 7/8" S.A.N.C.</i>	Formation	County <i>HART</i>	State <i>KC</i>
		Legal Description <i>2-34-8</i>	

PIPE DATA		PERFORATING DATA		FLUID-USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<i>8 7/8"</i>		From	To	Pre-Pad	Max		5 Min.	
Depth <i>524'</i>	Depth	From	To	Pad	Min		10 Min.	
Volume <i>13</i>	Volume	From	To	Frac	Avg		15 Min.	
Max Press <i>300</i>	Max Press	From	To		HHP Used		Annulus Pressure	
Well Connection <i>P.O.</i>	Annulus Vol.	From	To	Flush	Gas Volume		Total Load	
Plug Depth <i>216</i>	Packer Depth	From	To					

Customer Representative	Station Manager <i>DAVE SCOTT</i>	Treater <i>Robert Miller</i>
Service Units <i>57500 22708 26000 17832 19862</i>		
Driver Names <i>Sullivan, M. J. W., P. W. W.</i>		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>0:12:45</i>	<i>100</i>				<i>on loc safety meeting</i>
					<i>then 5 573 8 7/8" csf.</i>
<i>3:20</i>					<i>BASED ON BOTTOM</i>
<i>3:25</i>					<i>Work by CIDC.</i>
<i>3:30</i>	<i>150</i>		<i>3</i>	<i>3</i>	<i>at Spicon</i>
			<i>53</i>	<i>1</i>	<i>run coil 200 ft coil - 2400 lbs force</i>
					<i>coil mixed shot down</i>
					<i>Release Plug</i>
				<i>3.</i>	<i>at 200'</i>
<i>04:00</i>	<i>200</i>		<i>13</i>		<i>stop down</i>
					<i>circulated 9 box coil to 10'</i>
					<i>JOB Complete</i>
					<i>Thank you</i>



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 03898 A

DATE _____ TICKET NO. _____

DATE OF JOB <u>5-8-11</u> DISTRICT <u>KANSAS</u>		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER <u>GRIFFIN MANAGEMENT</u>		LEASE <u>Gates</u> WELL NO. # <u>2</u>							
ADDRESS		COUNTY <u>HARPER 2-34-8</u> STATE <u>KANSAS</u>							
CITY STATE		SERVICE CREW <u>A. WORTH, M. MATHAL, JR. Hunter</u>							
AUTHORIZED BY		JOB TYPE: <u>5 1/2" L.S.</u> <u>CNW</u>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM/PM	TIME
<u>28443 P.U.</u>	<u>2 1/2</u>						<u>5-8-11</u>	<u>PM</u>	<u>9:00</u>
<u>19903-19905</u>	<u>2 1/2</u>					ARRIVED AT JOB	<u>5-8-11</u>	<u>AM</u>	<u>4:30</u>
<u>19832-19862</u>	<u>2 1/2</u>					START OPERATION	<u>5-8-11</u>	<u>AM</u>	<u>10:00</u>
						FINISH OPERATION	<u>5-9-11</u>	<u>AM</u>	<u>12:30</u>
						RELEASED	<u>5-9-11</u>	<u>AM</u>	<u>1:30</u>
						MILES FROM STATION TO WELL	<u>65 miles</u>		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP105	AA-2 cement	SK	150 ✓		\$ 2550.00
CP103	60/40 P02	SK	50 ✓		\$ 600.00
CC102	cell Flake	lb	38 ✓		\$ 140.60
CC111	SALT Fine	lb	685 ✓		\$ 342.50
CC112	Cement Friction Reducer	lb	71 ✓		\$ 426.00
CC115	Gas Blok	lb	141 ✓		\$ 726.15
CC201	Gilsonite	lb	750 ✓		\$ 502.50
CF607	Latch down Plug & Baffle	EA	1		\$ 400.00
CF1251	Auto Fill Float Shoe 5 1/2" Blue	EA	1		\$ 360.00
CF1651	Turbolizer 5 1/2" Blue	EA	4		\$ 490.00
CF1901	Basket 5 1/2" Blue	EA	1		\$ 290.00
C704	CS-16 KCL Sub	gal	1 ✓		
CC151	MUA Flush	gal	500 ✓		\$ 35.00
					\$ 430.00

SUB TOTAL

NLS

SERVICE & EQUIPMENT	%TAX ON \$
MATERIALS	%TAX ON \$

TOTAL

CHEMICAL / ACID DATA:			

SERVICE REPRESENTATIVE Allen F. Worth THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: JR. Hunter

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

Customer GRiffin MANAGEMENT	Lease No.	Date 5-8-11
Lease Gatoc	Well # H2	
Field Order # 03892A	Station KIAH	Casing 5 1/2"
		Depth
Type Job 5 1/2" Long String	Formation CLW	County Harper
		State Ks.
		Legal Description 2-3K-8

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2"	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
Depth 4745	Depth	From	To	Pre-Pad			5 Min.	
Volume 112.5 BBL	Volume	From	To	Pad			10 Min.	
Max Press 1500	Max Press	From	To	Flac			15 Min.	
Well Connection P.C.	Annulus Vol.	From	To	Flush			Annulus Pressure	
Plug Depth 4727	Packet Depth	From	To	Disp. H ₂ O			Total Load	

Customer Representative J.S. Griffin	Station Manager Scotty	Treater Allen
Service Units 28443	19903	19505
Driver Names Wirth	Mike	Matal JR
	19832	19862
		Hunter

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
4:30 pm	5-8-11				VAL #2
					on loc. Discuss Safety, Setup Plan Job
					Laying down Drill Collars
					out of hole, Rig up to Run 5 1/2" casing
6:43					Start 5 1/2" casing. Shoe Joint 17.92'
					w/ Basket Flange + shoe + L.O Baffle
					cent. 7-2-3-4
10:15					Pipe @ 4745- Hookup + cir w/ Rig
11:15			20	5	Pump 20 BBL 20% KCL
			12	5	Pump 12 BBL mud Flush
			3	5	Pump 3 BBLs H ₂ O
				5	mix + Pump 150 sks AA-2 @ 153'
			36		Finish mix - wash out pump line
11:40				6 1/2	Drop L.O. Plug. Start Disp.
5-9-11				6	Caught Lift PSI 80 BBLs out
12:00 AM	1500		112 1/2	4 1/2	Plug down
	0 #				Release PSI 0 #
					Plug Rat Hole w/ 30 sks 60/40 Por
					Plug Mouse Hole w/ 20 sks 60/40 Por
					washup + Rackup Equip.
1:30					Job completed
					thanks Allen M. K.