



KANSAS CORPORATION COMMISSION 1058701
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1058701

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input 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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input 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: _____ _____
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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

PO Box 347
Pratt, KS 67124

ATTN: Bruce Reed

Gates #2

2-34S-8W Harper, KS

Job Ticket: 042437

DST#: 1

Test Start: 2011.05.06 @ 03:28:18

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:54:48

Time Test Ended: 07:38:48

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 GRVCF: 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

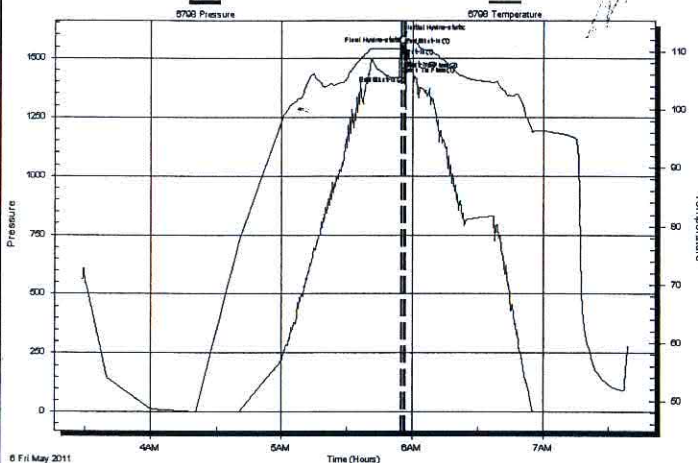
End Time: 07:38:48

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 vs. Time



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: 4636.00 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
			<u>Total Volume: - bbl</u>	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	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:

bbf

Water Loss: 8.78 in³

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 bbf

Total Length: ft

Total Volume: bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

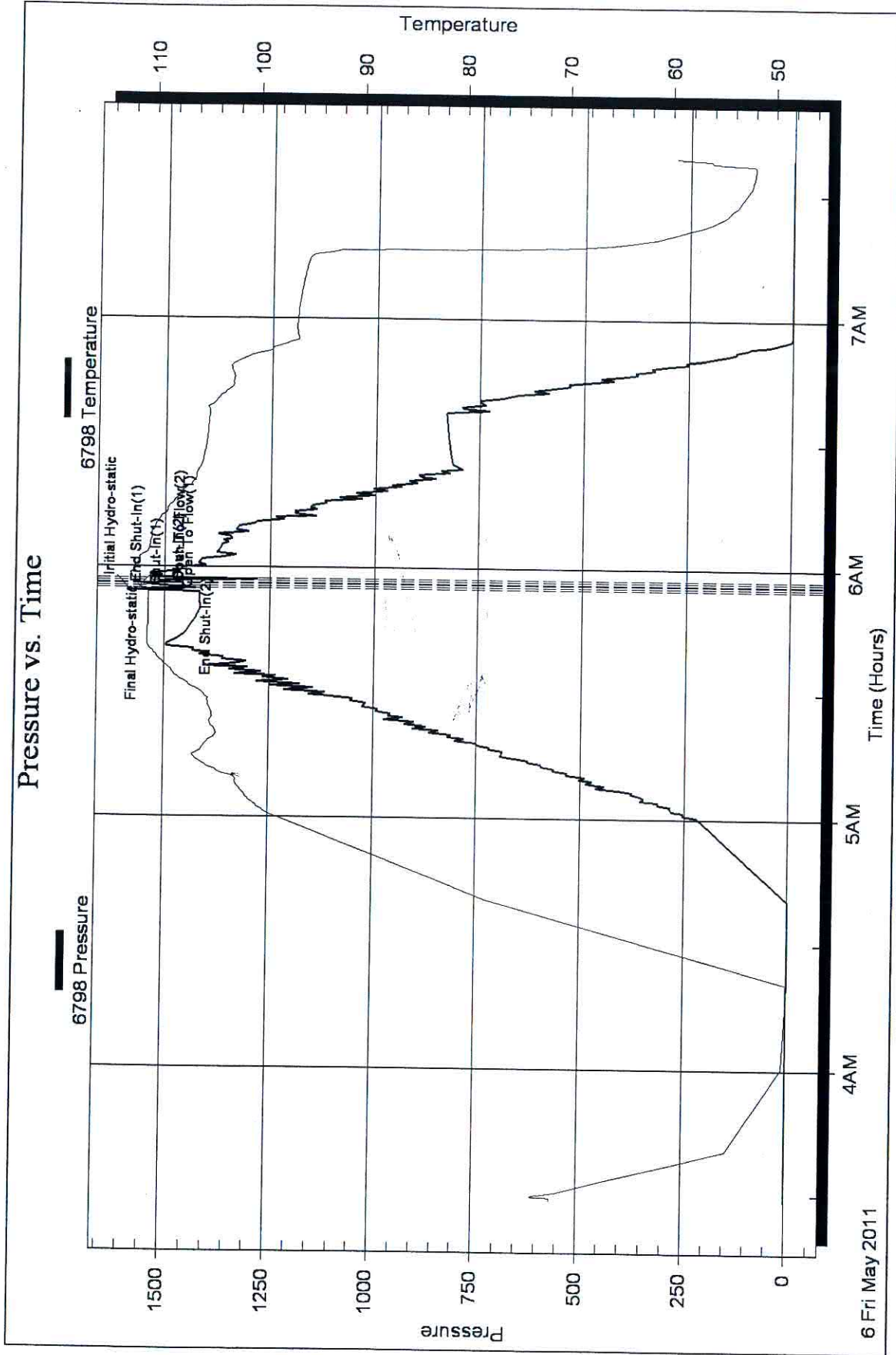
Serial #: 6798

Inside

Charles N Griffin

2-34S-8W Harper, KS

DST Test Number: 1





**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)**

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/CF: 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:

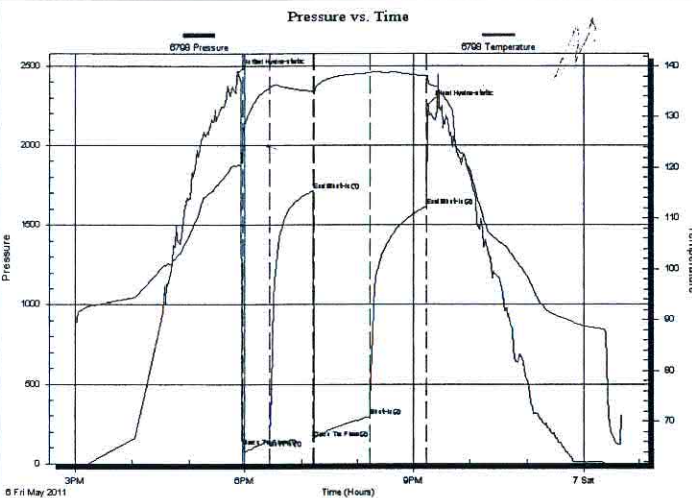
2011.05.06 @ 21:15:31

TEST COMMENT: IF: Strong Blow, BOB in 20 seconds, GTS in 20 minutes, Caught Sample & Gauged Gas

ISI: Bled Off, 1 inch Blow back

FF: Strong Blow, BOB & GTS Immediate, Gas Was TSTM

FSI: 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%W	1.68
180.00	GSY MOCW 46%G 20%O 14%M 20%W	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
			<u>Total Volume: 65.03 bbl</u>	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	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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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:

ft

Water Salinity:

124000 ppm

Viscosity: 69.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	4096 GIP	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 Bombs: 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

Serial #: 6798

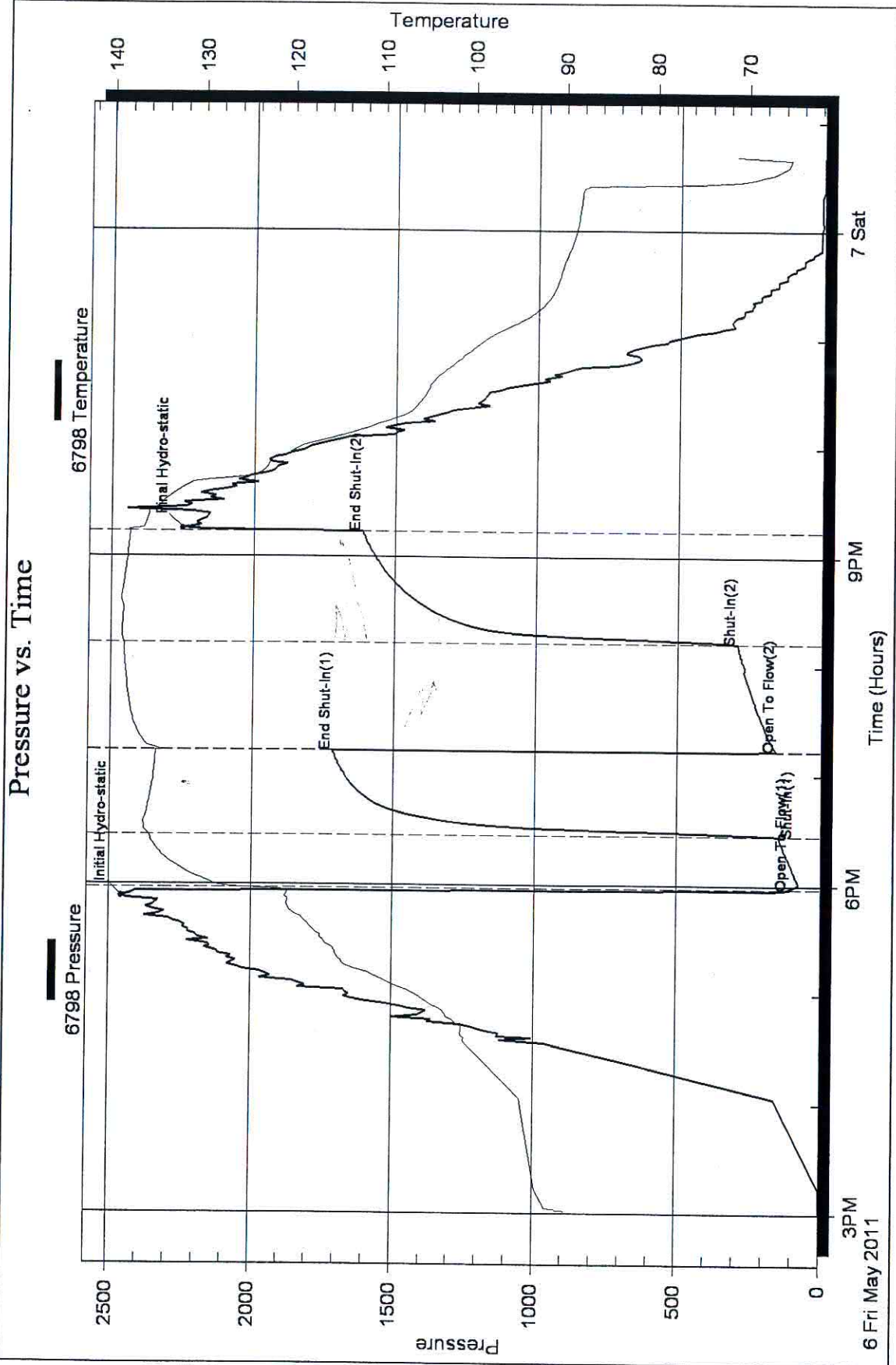
Inside

Charles N Griffin

2-34S-8W Harper, KS

DST Test Number: 2

Pressure vs. Time





**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
PO Box 347
Pratt, KS 67124
ATTN: Bruce Reed

Gates #2
2-34S-8W Harper, KS
Job Ticket: 042439 **DST#: 3**
Test Start: 2011.05.07 @ 13:01:58

GENERAL INFORMATION:

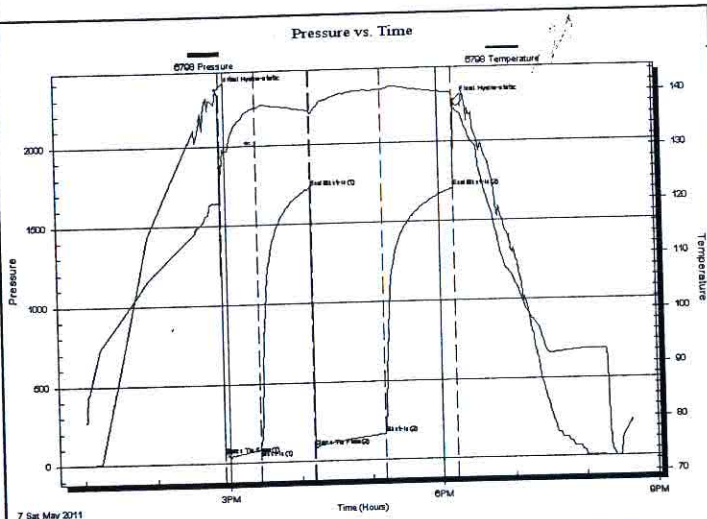
Formation: **Mississippi**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 14:55:58
Time Test Ended: 20:38:58
Interval: 4682.00 ft (KB) To 4696.00 ft (KB) (TVD)
Total Depth: 4696.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole
Tester: Leal Cason
Unit No: 45
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) Capacity: 8000.00 psig
Start Date: 2011.05.07 End Date: 2011.05.07 Last Calib.: 2011.05.07
Start Time: 13:01:59 End Time: 20:38:58 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 (Mn.)	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	136.63	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 OMCM 20%G 5%O 29%W 46%M	0.88

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: 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: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: 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 OWCM 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: RWw as .06 @ 80 degrees

Serial #: 6798

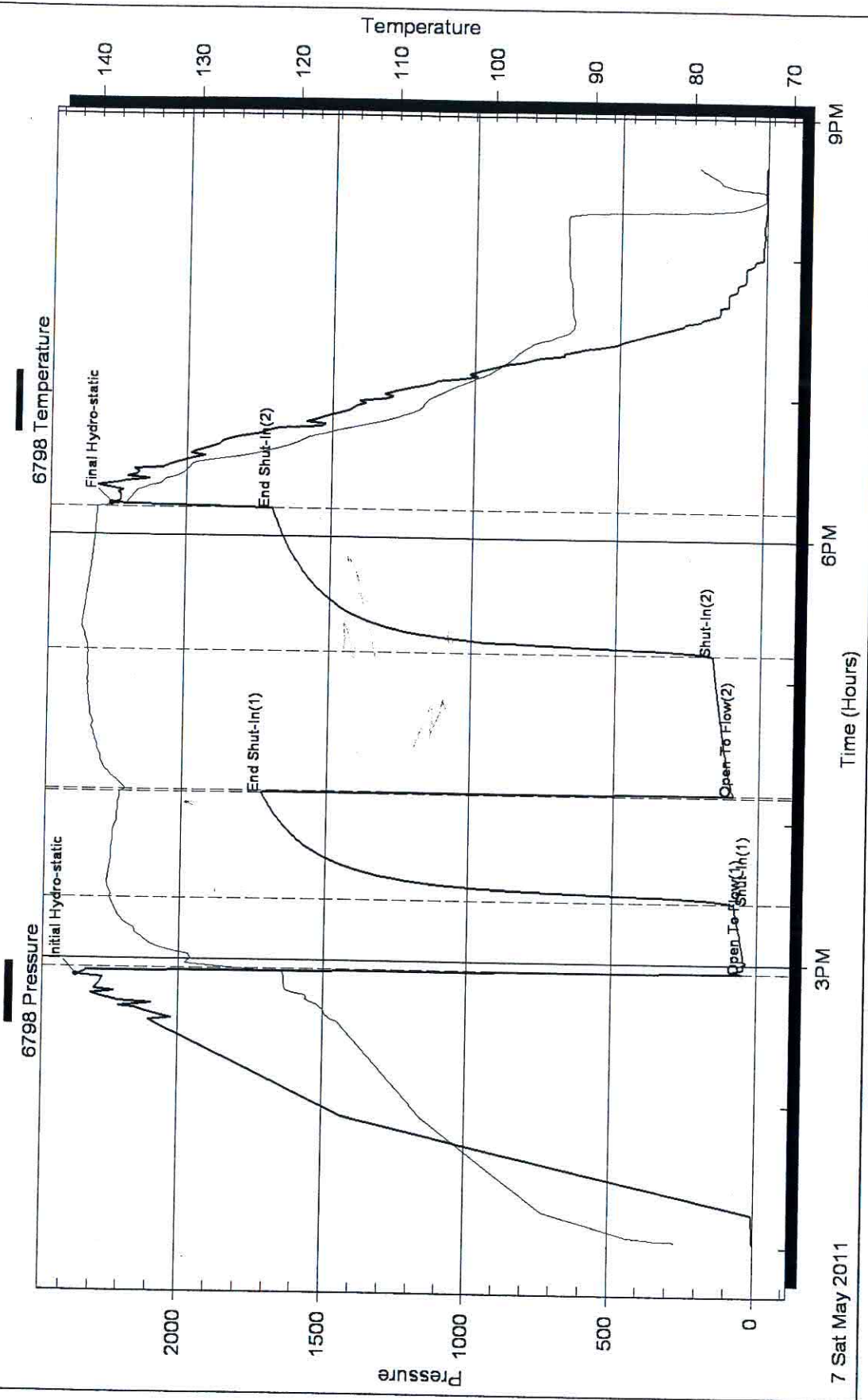
Inside

Charles N Griffin

2-34S-8W Harper, KS

DST Test Number: 3

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 042439

Printed: 2011.05.11 @ 16:15:20 Page 5



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAY 09 2011

Test Ticket

NO. 042437

4/10

Well Name & No. Gates #2 Test No. 1 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
 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 @ 1600 Feet from Bottom, Could NOT Get TO Bottom

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 Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Extra Recorder Sub Total 0
 Day Standby Total 1449'
 Accessibility MP/DST Disc't
 Sub Total 1449'

Initial Open N/A
Initial Shut-In N/A
Final Flow N/A
Final Shut-In N/A

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

RECEIVED
MAY 09 2011

Test Ticket

NO. 042438

BY: _____

Well Name & No. Gates #2 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
 Casing 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
 Total Depth 4678 Chlorides 6000 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
FS: 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%gas</u>	<u>20%oil</u>	<u>20%water</u>	<u>14% mud</u>
<u>120</u> Feet of <u>GSY MOCW</u>	<u>30%gas</u>	<u>5%oil</u>	<u>60%water</u>	<u>5% mud</u>
<u>240</u> Feet of <u>GSY Saltwater</u>	<u>10%gas</u>		<u>90%water</u>	
Feet of	%gas	%oil	%water	%mud

Sub 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 _____
 Shale Packer _____
 Ruined Packer _____
 Extra Packer _____
 Extra Copies _____
 Extra Recorder _____
 Sub Total 0
 Total 1474
 Day Standby _____
 Accessibility _____
 Sub Total 1474 MP/DST Disc't _____

Approved By Bruce Reed Our Representative [Signature]

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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
FSI:

Rec	Feet of	%gas	%oil	%water	%mud
<u>496</u>	<u>GIP</u>				
<u>63</u>	<u>GSY OWCM</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 2354 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 _____
 Ruined Shale Packer _____

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

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.



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PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET
1718 03970 A

DATE _____ TICKET NO. _____

DATE OF JOB 4-30-11	DISTRICT Pratt A	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 Griffin Management	LEASE gatos						WELL NO. 2
ADDRESS		COUNTY HARPER			STATE Ks		
CITY		STATE		SERVICE CREW Sullivan, Meko, Fendrick			
AUTHORIZED BY				JOB TYPE: cnw 8 3/8 section			

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
33208-20920	1/2 hr						4-25-11			10:00
19836-17802	1/2 hr						4-30-11			12:45
37900										0230
										04:00
										4:30
						MILES FROM STATION TO WELL 65				

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: **Rick Smith**
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 100	Concrete cmf	SK	200		3,200 00
CC 102	Coil-7xk	lb	50		185 00
CC 109	CALCIUM chloride	lb	376		394 80
CF 153	wooden plug 8 3/8	SA	1		160 00
P 100	pickup milage	mi	65		276 25
E 101	Heavy sand milage	mi	130		910 00
E 113	Bulk Delivery	Tol	611		977 60
CF 200	Depth charge	92	1		1,000 00
CF 240	Blending - mixing	SK	200		280 00
CF 504	plug container Rental	92	1		250 00
5003	Service Supervision	SK	1		175 00

CHEMICAL / ACID DATA:			

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

Thank you
DLS TOTAL **6,012.66**

SERVICE REPRESENTATIVE **Robert J. [Signature]**
FIELD SERVICE ORDER NO.

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: **Rick Smith**
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

Customer <i>Griffin Management</i>	Lease No.	Date <i>4-30-11</i>	
Lease <i>SATOS</i>	Well # <i>2</i>		
Field Order # <i>3970</i>	Station <i>PRATT KS</i>	Casing <i>8 7/8</i>	Depth <i>224'</i>
Type Job <i>CNW 8 7/8 Surface</i>	Formation	County <i>HARPER</i>	State <i>KS</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>							5 Min.	
Depth <i>224</i>	Depth	From	To	Pre Pad	Max			
Volume <i>13</i>	Volume	From	To	Pad	Min		10 Min.	
Max Press <i>300</i>	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection <i>PC</i>	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth <i>216</i>	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative	Station Manager <i>DAVE SCOTT</i>	Treater <i>Robert Fullmer</i>
Service Units <i>37900 23708 20900 17832 19862</i>		
Driver Names <i>Sullivan Melson Pinwade</i>		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>0:12:45</i>	<i>100</i>				<i>on the softy matrix</i>
					<i>Run 5 5 to 8 7/8 csg.</i>
<i>3:20</i>					<i>Gas at Bottom</i>
<i>3:25</i>					<i>Hook by c/c.</i>
<i>3:30</i>	<i>150</i>		<i>2</i>	<i>2</i>	<i>St. Spacer</i>
			<i>53</i>	<i>5</i>	<i>max cont 200 dk con - 29 sec 1/2 Fed</i>
					<i>cont max. dk. shot down</i>
					<i>Release Plug</i>
				<i>3.</i>	<i>St. Plug</i>
<i>04:00</i>	<i>200</i>		<i>13</i>		<i>plug down</i>
					<i>disconnected 9 hrs cont to pit</i>
					<i>SOB Complete</i>
					<i>Thank you</i>



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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 5-8-11 DISTRICT KANSAS		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 Griffin Management		LEASE Gates WELL NO. #2							
ADDRESS		COUNTY HARPER 2-34-8 STATE KANSAS							
CITY STATE		SERVICE CREW A. WORTH, M. MATHAL JR, Hunter							
AUTHORIZED BY		JOB TYPE: 5 1/2" L.S. SAW							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM/PM	TIME
28443 P.U.	2 1/2						5-8-11	AM	9:00
19903-19905	2 1/2					ARRIVED AT JOB	5-8-11	AM	4:30
19832-19862	2 1/2					START OPERATION	5-8-11	AM	10:00
						FINISH OPERATION	5-9-11	AM	12:30
						RELEASED	5-9-11	AM	1:30
						MILES FROM STATION TO WELL			65 miles

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 Poz	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	MUD Flush	gal	500		\$ 35.00
					\$ 430.00

CHEMICAL / ACID DATA:			

SUB TOTAL		
DLS		
SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

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

FIELD SERVICE ORDER NO. _____

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)



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 P.O. Box 8613
 Pratt, Kansas 67124
 Phone 620-672-1201

FIELD SERVICE TICKET

1718 03899 A

DATE _____ TICKET NO. 03898A

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. Weirh, M. Mattal Hunter</u>							
AUTHORIZED BY		JOB TYPE: <u>5 1/2" Long String</u> <u>crew</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>900</u>
<u>19903-19905</u>	<u>2 1/2</u>					<u>5-8-11</u>			<u>430</u>
<u>19832-19862</u>	<u>2 1/2</u>					<u>5-8-11</u>			<u>1000</u>
						<u>5-8-11</u>			<u>1230</u>
						<u>5-9-11</u>			<u>130</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
E100	Unit Mileage Charge	mi	65		\$ 276.25
E101	Heavy Equip. mileage	mi	130		\$ 910.00
E113	Bulk Delivery Charge	Tm	598		\$ 756.80
CE205	Depth Charge 400'-5000'	4-hr	1		\$ 2500.00
CE240	Blending & mixing Service Chg.	SK	200		\$ 280.00
CB504	Plus container utilization chg. Job		1		\$ 250.00
5003	Service Supervisor first 8hrs on loc	FA	1		\$ 175.00

CHEMICAL / ACID DATA:

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

DLS \$9,710.32

SERVICE REPRESENTATIVE <u>Allen T. Ward</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>JK</u>
FIELD SERVICE ORDER NO.	(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

Customer Griffin Management		Lease No.		Date 5-8-11	
Lease Gates		Well # 42			
Field Order # 03898A	Station PLA4	Casing 5 1/2"	Depth	County Harper	State KS
Type Job 5 1/2" Long String	Formation Cnw	TO 4750'		Legal Description 2-34-8	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2"	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
4745	Depth	From	To	Pre Pad	Max		5 Min.	
112.500	Volume	From	To	Pad	Min		10 Min.	
1500*	Max Press	From	To	Frac	Avg		15 Min.	
P.C.	Well Connection	Annulus Vol.	From	To	HHP Used		Annulus Pressure	
4745	Plug Depth	Packer Depth	From	To	Flush	Gas Volume	Total Load	

Customer Representative M. Griffin	Station Manager Scotty	Treater Allen
---------------------------------------	---------------------------	------------------

Service Units	28443	19903	19905	19832	19862				
Driver Names	A. Weath	mike mathal	JR	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. KS
6:43					Start 5 1/2" casing. Shoe Joint 17.92' w/ Basket Float Shoe + L.D Baffle cent 1-2-3-4
10:15					Pipe @ 4745. Hookup + cir w/ Rig
11:15			20	5	Pump 20 BBL 2% KCL
			12	5	Pump 12 BBL mud Flush
			3	5	Pump 3 BBLs H2O
			36	5	mix + Pump 150 sks AA-2 @ 15.3
11:40					6 1/2 Drop L.D. 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 Release PSI 0 #
	0 #				Plug Rat Hole w/ 30 sks 60/40 Poz Plug Mouse Hole w/ 20 sks 60/40 Poz washup + Rackup equip.
1:30					Job completed + thanks Allen M. & JR.