

**BASIC**<sup>SM</sup>  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET  
1718 03378 A

4-345-9W

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB 12-19-10		DISTRICT Pratt, 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 Morgan		WELL NO. 1						
ADDRESS		COUNTY Harper		STATE Kansas						
CITY		STATE		SERVICE CREW C. Messick, C. Veatch, L. Wisner						
AUTHORIZED BY		JOB TYPE: C.N.W. - Longstring								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
19,866	.5						12-18-10			6:00
						ARRIVED AT JOB	12-18-10			11:00
27,463	.5					START OPERATION	12-19-10			9:15
						FINISH OPERATION	12-19-10			5:45
19,960-19,918	.5					RELEASED	12-19-10			6:30
						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: \_\_\_\_\_  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 105	AA 2 Cement	sk	150		\$ 2,550 00
CP 103	60/40 Poz Cement	sk	50		\$ 600 00
CC 102	Cellflite	Lb	38		\$ 140 60
CC 111	Salt (Fine)	Lb	685		\$ 342 50
CC 112	Cement Friction Reducer	Lb	71		\$ 426 60
CC 115	Gas Blokr	Lb	141		\$ 726 15
CC 201	Gilsonite	Lb	750		\$ 502 50
CF 607	Latch Down Plug and Baffle, 5 1/2"	ea	1		\$ 400 00
CF 1291	Auto Fill Float Shoe, 5 1/2"	ea	1		\$ 360 00
CF 1651	Turbolizer, 5 1/2"	ea	4		\$ 440 60
CF 1901	Bastret, 5 1/2"	ea	1		\$ 290 00
CT 04	CS-1L	Gal	5		\$ 175 -
CC 151	Mud Flush	Gal	500		\$ 430 -

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE <i>R. Messick</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>Emilia Rojas</i> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
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FIELD SERVICE ORDER NO.



## DRILL STEM TEST REPORT

Prepared For: **Charles N Griffin**

PO Box 347  
Pratt KS 67124

ATTN: Bruce Reed

**4 34s 9w Harper KS**

**Morgan #1**

Start Date: 2010.12.17 @ 12:27:27

End Date: 2010.12.17 @ 21:33:37

Job Ticket #: 37405                      DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Charles N Griffin

Morgan #1

4 34s 9w Harper KS

DST # 1

Miss

2010.12.17





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Charles N Griffin

**Morgan #1**

PO Box 347  
Pratt KS 67124

**4 34s 9w Harper KS**

Job Ticket: 37405

**DST#: 1**

ATTN: Bruce Reed

Test Start: 2010.12.17 @ 12:27:27

## GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:00:07

Time Test Ended: 21:33:37

Interval: **4528.00 ft (KB) To 4569.00 ft (KB) (TVD)**

Total Depth: 4569.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Esak Hadley

Unit No: 34

Reference Elevations: 1318.00 ft (KB)

1305.00 ft (CF)

KB to GR/CF: 13.00 ft

**Serial #: 6773**

**Inside**

Press@RunDepth: 256.61 psig @ 4529.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.12.17

End Date: 2010.12.17

Last Calib.: 2010.12.17

Start Time: 12:27:27

End Time: 21:33:37

Time On Btm: 2010.12.17 @ 14:47:07

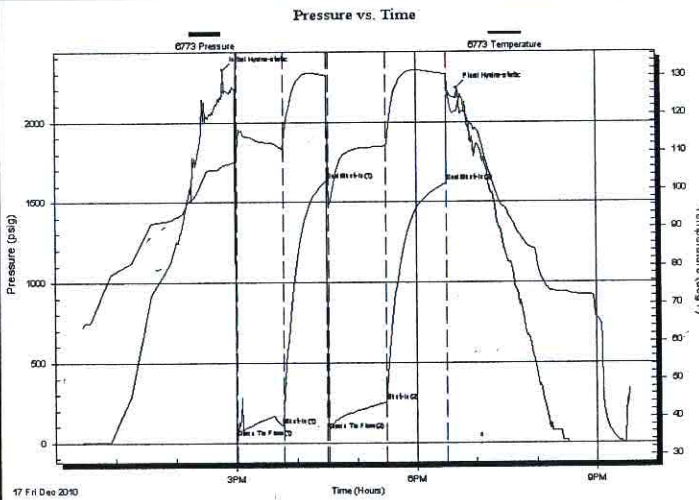
Time Off Btm: 2010.12.17 @ 18:41:06

**TEST COMMENT:** IF Weak blow . BOB in 5 min. GTS in 37 min. (see gas flow report)

ISI Weak surface blow . No more than 1/4".

FF Strong blow . BOB in 2 sec.

FSI No blow .



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2323.92	106.48	Initial Hydro-static
13	38.22	107.60	Open To Flow (1)
60	107.65	110.70	Shut-In(1)
103	1632.98	130.02	End Shut-In(1)
105	78.15	96.46	Open To Flow (2)
162	256.61	111.57	Shut-In(2)
224	1622.71	130.46	End Shut-In(2)
234	2211.80	121.18	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
118.00	GCM 5%g 95%m	0.58
82.00	GCM w/o specs 5%g 95%m	0.61

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	35.00	333.24
Last Gas Rate	0.13	153.00	62.66
Max. Gas Rate	0.13	153.00	62.66



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Charles N Griffin

**Morgan #1**

PO Box 347  
Pratt KS 67124

**4 34s 9w Harper KS**

Job Ticket: 37405

DST#: 1

ATTN: Bruce Reed

Test Start: 2010.12.17 @ 12:27:27

### Tool Information

Drill Pipe:	Length: 4349.00 ft	Diameter: 3.80 inches	Volume: 61.01 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: 24000.00 lb
Drill Collar:	Length: 177.00 ft	Diameter: 2.25 inches	Volume: 0.87 bbl	Weight to Pull Loose: 75000.00 lb
			<b>Total Volume: 61.88 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	4528.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	41.00 ft			
Tool Length:	62.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4508.00	
Shut In Tool	5.00			4513.00	
Hydraulic tool	5.00			4518.00	
Packer	5.00			4523.00	21.00 Bottom Of Top Packer
Packer	5.00			4528.00	
Stubb	1.00			4529.00	
Recorder	0.00	8166	Outside	4529.00	
Recorder	0.00	6773	Inside	4529.00	
Change Over Sub	1.00			4530.00	
Blank Spacing	31.00			4561.00	
Change Over Sub	1.00			4562.00	
Perforations	4.00			4566.00	
Bullnose	3.00			4569.00	41.00 Bottom Packers & Anchor

**Total Tool Length: 62.00**



**TRILOBITE  
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## DRILL STEM TEST REPORT

FLUID SUMMARY

Charles N Griffin

**Morgan #1**

PO Box 347  
Pratt KS 67124

**4 34s 9w Harper KS**

Job Ticket: 37405

**DST#: 1**

ATTN: Bruce Reed

Test Start: 2010.12.17 @ 12:27:27

### 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: 9.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 0.20 inches

### Recovery Information

#### Recovery Table

Length ft	Description	Volume bbl
118.00	GCM 5%g 95%m	0.580
82.00	GCM w/o specs 5%g 95%m	0.613

Total Length: 200.00 ft

Total Volume: 1.193 bbl

Num Fluid Samples: 1

Num Gas Bombs: 1

Serial #: eh-1

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**GAS RATES**

Charles N Griffin

**Morgan #1**

PO Box 347  
Pratt KS 67124

**4 34s 9w Harper KS**

ATTN: Bruce Reed

Job Ticket: 37405

**DST#: 1**

Test Start: 2010.12.17 @ 12:27:27

## Gas Rates Information

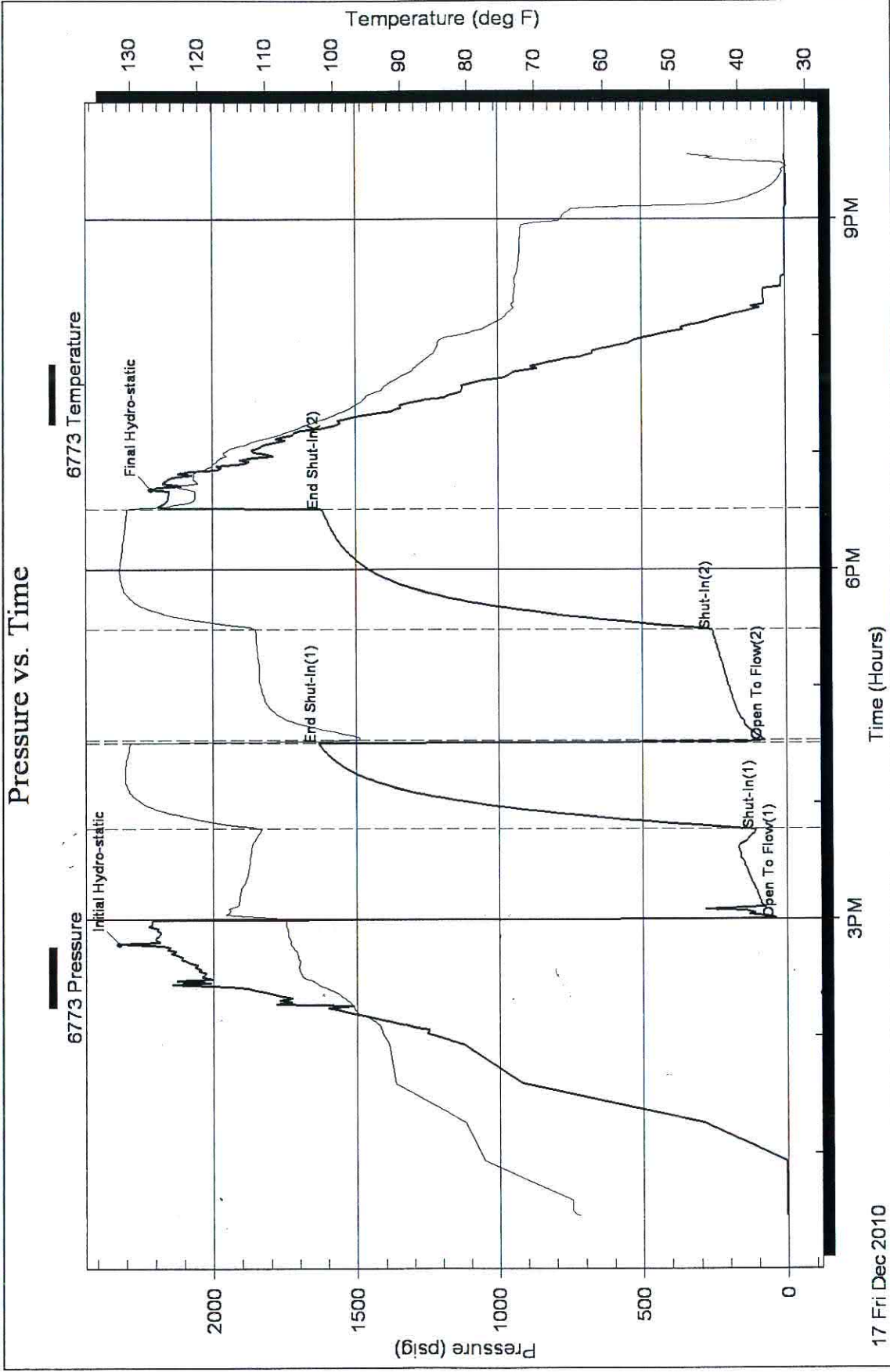
Temperature: 59 deg C  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m <sup>3</sup> /d)
1	42	0.50	35.00	333.24
1	42	0.50	35.00	333.24
1	45	0.50	21.00	238.80
2	10	0.13	75.00	33.46
2	20	0.13	104.00	44.32
2	30	0.13	120.00	50.30
2	40	0.13	138.00	57.04
2	50	0.13	153.00	62.66



### Pressure vs. Time



17 Fri Dec 2010