



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

New Gulf Operating L.L.C

**34-17-34 Scott Co KS**

6310 E 102nd ST  
Tulsa OK 74173

**Dolly #1**

Job Ticket: 45452

**DST#: 1**

ATTN: Curtis Covey

Test Start: 2011.10.15 @ 04:40:00

## GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:54:59

Time Test Ended: 09:49:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Will MacLean

Unit No: 28

**Interval: 5220.00 ft (KB) To 5237.00 ft (KB) (TVD)**

Reference Elevations: 3139.00 ft (KB)

Total Depth: 5237.00 ft (KB) (TVD)

3129.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8675**

**Inside**

Press@RunDepth: 2523.97 psig @ 5222.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.10.15

End Date:

2011.10.15

Last Calib.: 2011.10.15

Start Time: 04:40:00

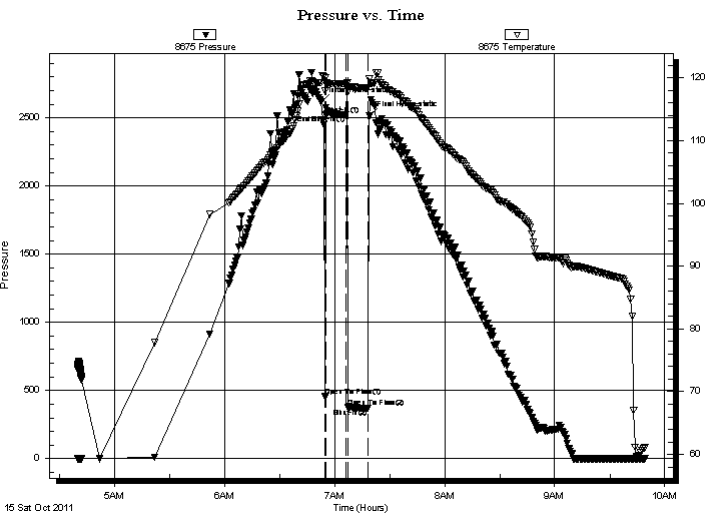
End Time:

09:48:59

Time On Btm: 2011.10.15 @ 06:52:59

Time Off Btm: 2011.10.15 @ 07:18:59

TEST COMMENT: Misrun Tool Opened w hile making up Head Joint



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2617.17	119.23	Initial Hydro-static
2	455.95	117.99	Open To Flow (1)
3	2523.97	119.31	Shut-In(1)
14	2523.31	119.05	End Shut-In(1)
15	375.71	117.91	Open To Flow (2)
26	367.71	118.48	Shut-In(2)
26	2518.03	119.83	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1178.00	Mud 100% <sub>m</sub>	16.52

## Gas Rates

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



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**FLUID SUMMARY**

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**Dolly #1**

Job Ticket: 45452

**DST#: 1**

ATTN: Curtis Covey

Test Start: 2011.10.15 @ 04:40:00

## 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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.34 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1178.00	Mud 100%m	16.524

Total Length: 1178.00 ft      Total Volume: 16.524 bbl

Num Fluid Samples: 0

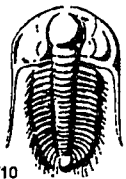
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
OCT 18 2011

## Test Ticket

NO. 45453

Well Name & No. Dolly #1 Test No. DST #2 Date 10-15-11  
 Company New Gulf Operating LLC Elevation 3139 KB 3129 GL  
 Address 6310 E 102nd ST Tulsa OK 74173  
 Co. Rep / Geo. Curtis Covey Rig Val Rig #4  
 Location: Sec. 34 Twp. 17 Rge. 34 Co. Scott State KS

Interval Tested 5220 - 5237 Zone Tested Mississippi  
 Anchor Length 17 Drill Pipe Run 5227 Mud Wt. 9.4  
 Top Packer Depth 5216 Drill Collars Run 0 Vis 51  
 Bottom Packer Depth 5220 Wt. Pipe Run 0 WL 10.4  
 Total Depth 5237 Chlorides 8500 ppm System LCM 3  
 Blow Description IF - Weak Surface Blow  
ISI - Weak Surface Blow died in 5 min  
FF - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>3'</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

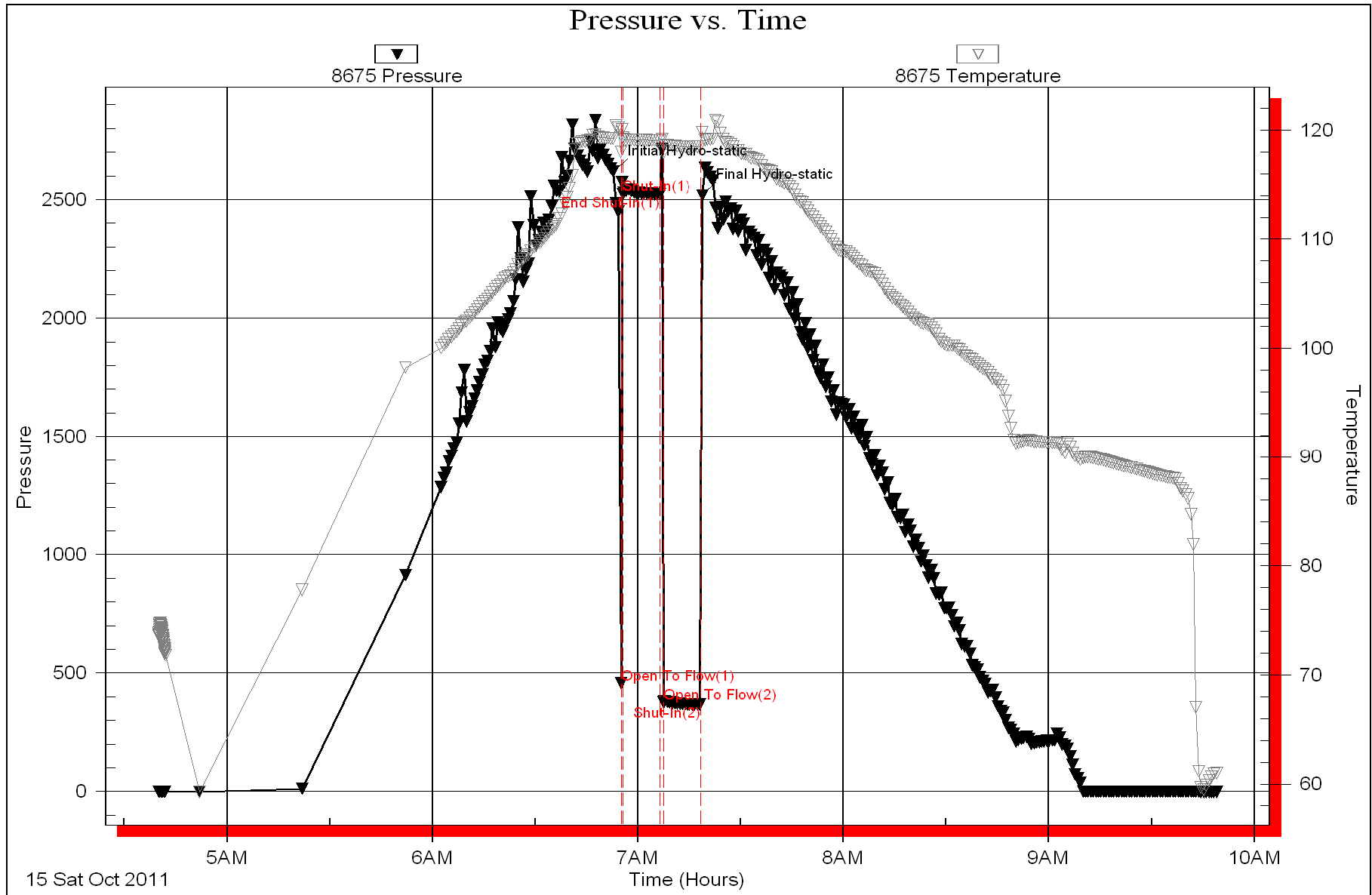
Rec Total 3 BHT 122 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2773  Test 1325' T-On Location 4:40 AM  
 (B) First Initial Flow 17.4  Jars 250' T-Started 11:06 AM  
 (C) First Final Flow 19  Safety Joint 75 T-Open 12:50 pm  
 (D) Initial Shut-In 29  Circ Sub N/C T-Pulled 13:58  
 (E) Second Initial Flow 30  Hourly Standby 1 1/4 hrs 125' T-Out 16:57  
 (F) Second Final Flow 31  Mileage 32 RT Comments \_\_\_\_\_  
 (G) Final Shut-In NA  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2602  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility 150'  
 Sub Total 1925' MP/DST Disc't \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 5  
 Final Shut-In Pulled Test

Approved By [Signature] 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.





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# DRILL STEM TEST REPORT

New Gulf Operating L.L.C

**34-17-34 Scott Co KS**

6310 E 102nd ST  
Tulsa OK 74173

**Dolly #1**

Job Ticket: 43845

**DST#: 3**

ATTN: Curtis Covey

Test Start: 2011.10.16 @ 15:18:52

## GENERAL INFORMATION:

Formation: **Geo didnt give info.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:19:17

Time Test Ended: 22:37:01

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 35

**Interval: 5250.00 ft (KB) To 5310.00 ft (KB) (TVD)**

Reference Elevations: 3139.00 ft (KB)

Total Depth: 5310.00 ft (KB) (TVD)

3129.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8373**

**Inside**

Press@RunDepth: 68.27 psig @ 5251.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.10.16

End Date:

2011.10.16

Last Calib.:

2011.10.16

Start Time: 15:18:52

End Time:

22:37:01

Time On Btm:

2011.10.16 @ 17:18:17

Time Off Btm:

2011.10.16 @ 19:51:17

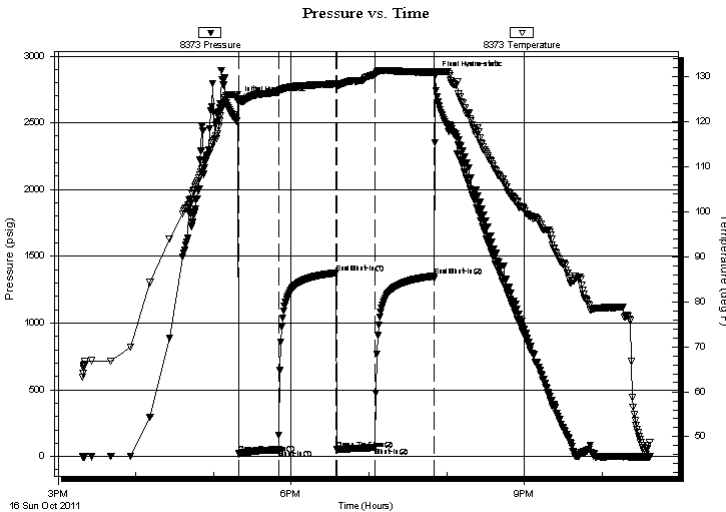
TEST COMMENT: IF: 1/4 blow built to 2 in 30 min.

IS: No return.

FF: Surface blow.

FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2667.92	126.04	Initial Hydro-static
1	21.11	124.83	Open To Flow (1)
32	51.32	126.61	Shut-In(1)
77	1375.85	128.42	End Shut-In(1)
77	53.49	127.82	Open To Flow (2)
107	68.27	130.50	Shut-In(2)
152	1352.06	131.02	End Shut-In(2)
153	2852.06	130.73	Final Hydro-static

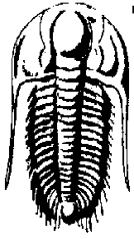
## Recovery

Length (ft)	Description	Volume (bbl)
110.00	w cm 1%w 99%m	0.70

\* Recovery from multiple tests

## Gas Rates

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



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Tulsa OK 74173

**Dolly #1**

Job Ticket: 43845

**DST#: 3**

ATTN: Curtis Covey

Test Start: 2011.10.16 @ 15:18:52

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.38 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8100.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
110.00	w cm 1%w 99%m	0.701

Total Length: 110.00 ft      Total Volume: 0.701 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

