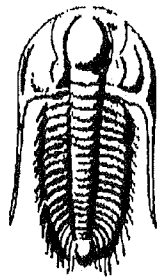


15-119-21259

29-33s-29w

29



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Claassen Oil and Gas, Inc.**

P.O. Box 417
Estes Park, CO 80517

ATTN: Ed Grieves

29 33 29 Meade KS

Ida Heinson 9

Start Date: 2010.05.18 @ 01:30:58

End Date: 2010.05.18 @ 12:16:46

Job Ticket #: 37537 DST #: 1

**KCC
AUG 2 4 2010
CONFIDENTIAL**

**RECEIVED
AUG 2 7 2010
KCC WICHITA**

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Claassen Oil and Gas, Inc.

P.O. Box 417
Estes Park, CO 80517

ATTN: Ed Grieves

Ida Heinson 9

29 33 29 Meade KS

Job Ticket: 37537

DST#: 1

Test Start: 2010.05.18 @ 01:30:58

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:13:47

Time Test Ended: 12:16:46

Test Type: Conventional Bottom Hole

Tester: Chris Hagman

Unit No: 34

Interval: **5788.00 ft (KB) To 5845.00 ft (KB) (TVD)**

Reference Elevations: 2650.00 ft (KB)

Total Depth: 5845.00 ft (KB) (TVD)

2639.00 ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Good

KB to GRVCF: 11.00 ft

Serial #: 6753

Inside

Press@RunDepth: 50.59 psig @ 5790.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.05.18

End Date:

2010.05.18

Last Calib.: 2010.05.18

Start Time: 01:30:58

End Time:

12:16:46

Time On Btm: 2010.05.18 @ 05:12:07

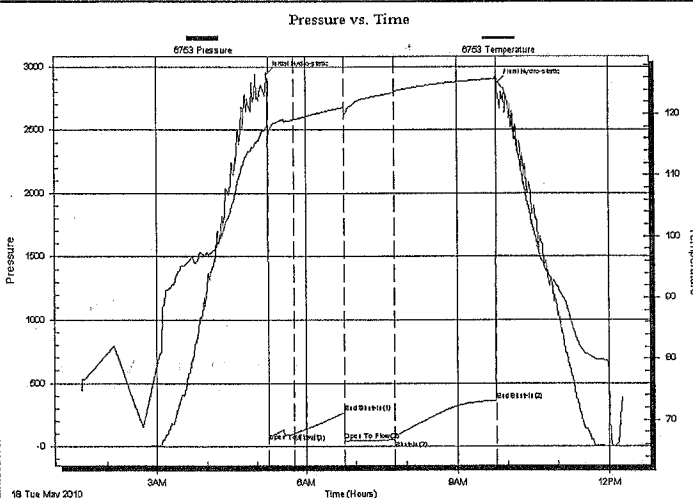
Time Off Btm: 2010.05.18 @ 09:47:57

TEST COMMENT: IF: 3.5 inches in 30 min., weak surging blow

IS: No blow back

FF: BOB 7 min., strong steady blow

FS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2938.72	117.95	Initial Hydro-static
2	37.82	116.12	Open To Flow (1)
33	101.65	119.14	Shut-In(1)
95	267.25	121.11	End Shut-In(1)
95	43.72	119.91	Open To Flow (2)
154	50.59	123.49	Shut-In(2)
275	361.97	125.76	End Shut-In(2)
276	2872.50	125.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	mud 100%M	0.30

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Claassen Oil and Gas, Inc.

Ida Heinson 9

P.O. Box 417
Estes Park, CO 80517

29 33 29 Meade KS

Job Ticket: 37537

DST#: 1

ATTN: Ed Grieves

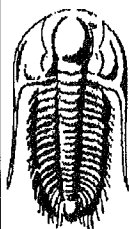
Test Start: 2010.05.18 @ 01:30:58

Tool Information

Drill Pipe:	Length: 5416.00 ft	Diameter: 3.80 inches	Volume: 75.97 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 351.00 ft	Diameter: 2.25 inches	Volume: 1.73 bbl	Weight to Pull Loose:	120000.0 lb
			Total Volume: 77.70 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	88000.00 lb
Depth to Top Packer:	5788.00 ft			Final	89000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	57.00 ft				
Tool Length:	85.00 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			5761.00	
Shut In Tool	5.00			5766.00	
Hydraulic tool	5.00			5771.00	
Jars	5.00			5776.00	
Safety Joint	3.00			5779.00	
Packer - Shale	5.00			5784.00	
Packer	4.00			5788.00	28.00 Bottom Of Top Packer
Stubb	1.00			5789.00	
Perforations	1.00			5790.00	
Recorder	0.00	8374	Inside	5790.00	
Recorder	0.00	6753	Inside	5790.00	
Perforations	19.00			5809.00	
Change Over Sub	1.00			5810.00	
Drill Pipe	31.00			5841.00	
Change Over Sub	1.00			5842.00	
Bullnose	3.00			5845.00	57.00 Anchor Tool
Total Tool Length:		85.00			



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Claassen Oil and Gas, Inc.

Ida Heinson 9

P.O. Box 417
Estes Park, CO 80517

29 33 29 Meade KS

Job Ticket: 37537

DST#: 1

ATTN: Ed Grieves

Test Start: 2010.05.18 @ 01:30:58

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:

6000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.96 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 bbl
60.00	mud 100%M	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

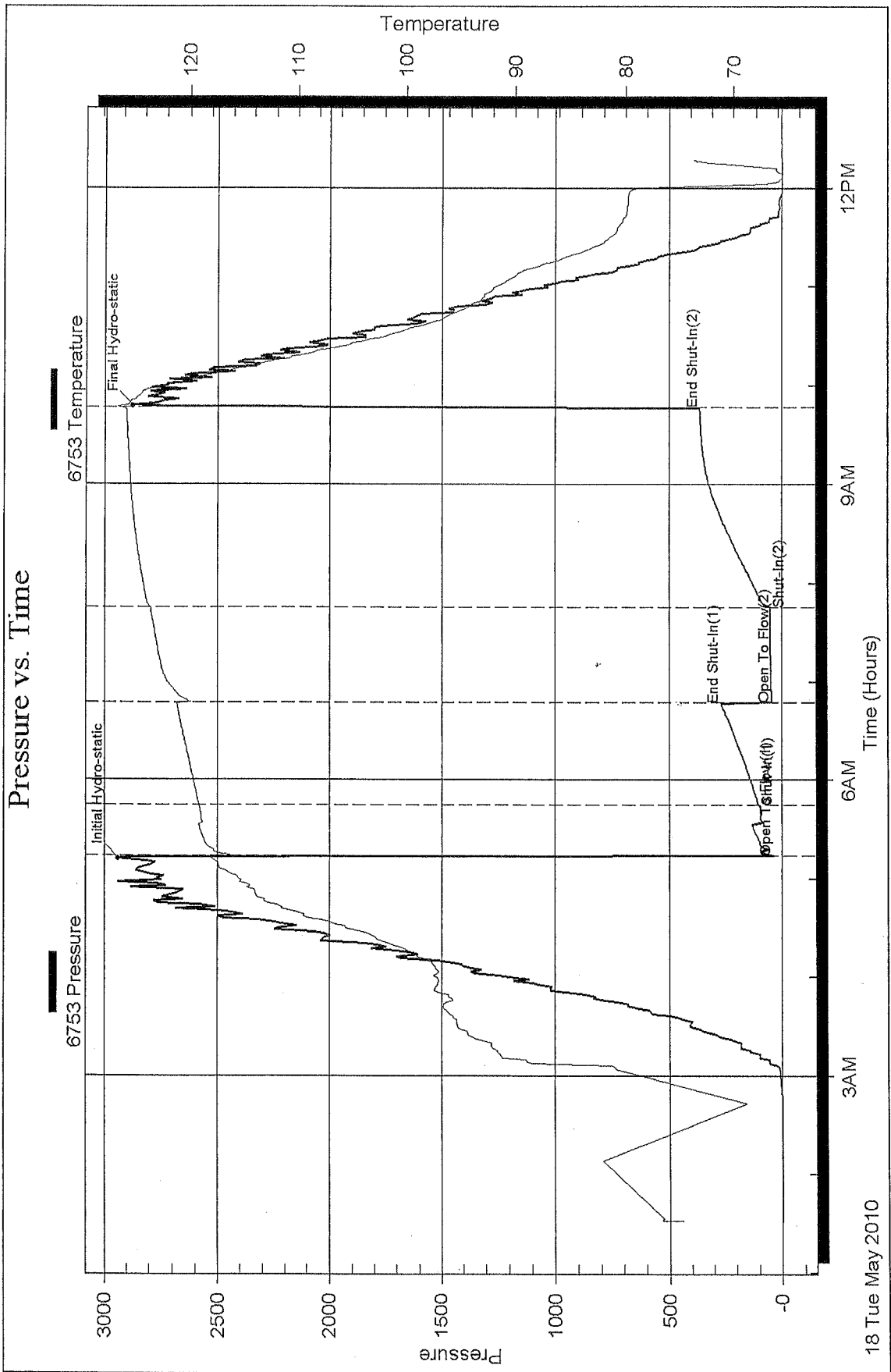
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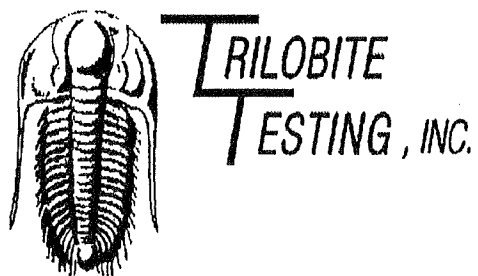
Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.880@78F=6000ppm

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Claassen Oil and Gas, Inc.**

P.O. Box 417
Estes Park, CO 80517

ATTN: Ed Grieves

29 33 29 Meade KS

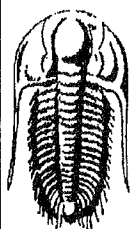
Ida Heinson 9

Start Date: 2010.05.19 @ 14:15:01

End Date: 2010.05.20 @ 00:31:01

Job Ticket #: 37358 DST #: 2

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Claassen Oil and Gas, Inc.

Ida Heinson 9

P.O. Box 417
Estes Park, CO 80517

29 33 29 Meade KS

Job Ticket: 37358

DST#: 2

ATTN: Ed Grieves

Test Start: 2010.05.19 @ 14:15:01

GENERAL INFORMATION:

Formation: **Chester**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:10:21

Time Test Ended: 00:31:01

Test Type: Conventional Bottom Hole

Tester: Mike Slomp

Unit No: 34

Interval: **6020.00 ft (KB) To 6101.00 ft (KB) (TVD)**

Reference Elevations: 2650.00 ft (KB)

Total Depth: 6101.00 ft (KB) (TVD)

2639.00 ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6753 Inside

Press@RunDepth: 55.67 psig @ 6022.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.05.19

End Date:

2010.05.20

Last Calib.: 2010.05.20

Start Time: 14:15:02

End Time:

00:31:01

Time On Btm: 2010.05.19 @ 17:06:51

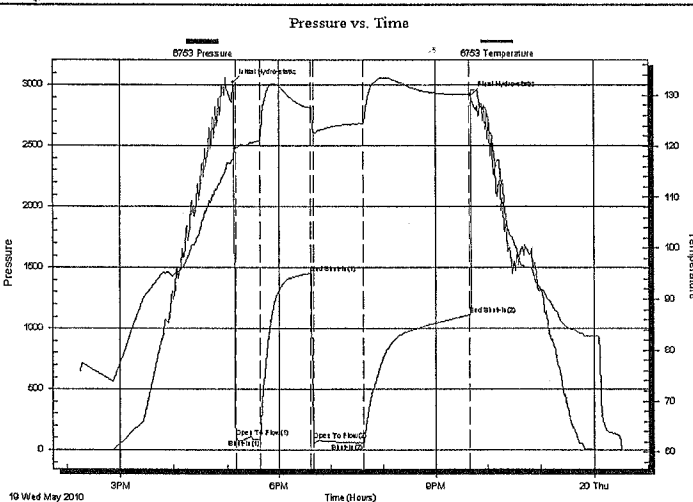
Time Off Btm: 2010.05.19 @ 21:41:31

TEST COMMENT: IF- BOB in 30 seconds, GTS in 10 min

IS- 1 inch blow back in 60 min

FF- BOB ASAO, GTS ASAO

FSI-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3021.51	117.47	Initial Hydro-static
4	107.20	119.51	Open To Flow (1)
32	87.50	121.19	Shut-In(1)
90	1454.56	127.53	End Shut-In(1)
94	79.81	122.89	Open To Flow (2)
151	55.67	124.43	Shut-In(2)
272	1112.10	130.09	End Shut-In(2)
275	2918.33	131.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	100% mud	0.59

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	13.00	184.83
Last Gas Rate	0.50	4.00	124.12
Max. Gas Rate	0.50	15.00	198.32



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Claassen Oil and Gas, Inc.

Ida Heinson 9

P.O. Box 417
Estes Park, CO 80517

29 33 29 Meade KS

Job Ticket: 37358

DST#: 2

ATTN: Ed Grieves

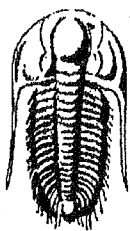
Test Start: 2010.05.19 @ 14:15:01

Tool Information

Drill Pipe:	Length: 5665.00 ft	Diameter: 3.80 inches	Volume: 79.47 bbl	Tool Weight:	2000.00 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: 351.00 ft	Diameter: 2.25 inches	Volume: 1.73 bbl	Weight to Pull Loose:	100000.0 lb
		Total Volume:	81.20 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial	82000.00 lb
Depth to Top Packer:	6020.00 ft			Final	88000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	81.00 ft				
Tool Length:	109.00 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			5993.00	
Shut In Tool	5.00			5998.00	
Hydraulic tool	5.00			6003.00	
Jars	5.00			6008.00	
Safety Joint	3.00			6011.00	
Packer	5.00			6016.00	28.00 Bottom Of Top Packer
Packer	4.00			6020.00	
Stubb	1.00			6021.00	
Perforations	1.00			6022.00	
Recorder	0.00	8374	Inside	6022.00	
Recorder	0.00	6753	Inside	6022.00	
Perforations	12.00			6034.00	
Change Over Sub	1.00			6035.00	
Drill Pipe	62.00			6097.00	
Change Over Sub	1.00			6098.00	
Bullnose	3.00			6101.00	81.00 Bottom Packers & Anchor
Total Tool Length:	109.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Claassen Oil and Gas, Inc.

Ida Heinson 9

P.O. Box 417
Estes Park, CO 80517

29 33 29 Meade KS

Job Ticket: 37358

DST#: 2

ATTN: Ed Grieves

Test Start: 2010.05.19 @ 14:15:01

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: 63.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.76 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	100% mud	0.590

Total Length: 120.00 ft

Total Volume: 0.590 bbl

Num Fluid Samples: 0

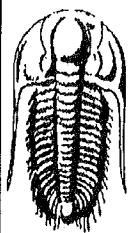
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Claassen Oil and Gas, Inc.

Ida Heinson 9

P.O. Box 417
Estes Park, CO 80517

29 33 29 Meade KS

Job Ticket: 37358

DST#: 2

ATTN: Ed Grieves

Test Start: 2010.05.19 @ 14:15:01

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 (m³/d)
1	10	0.50	13.00	184.83
1	20	0.50	13.00	184.83
1	30	0.50	14.00	191.58
1	20	0.50	14.00	191.58
2	10	0.50	15.00	198.32
2	20	0.50	10.00	164.60
2	30	0.50	8.00	151.10
2	40	0.50	5.00	130.87
2	50	0.50	4.00	124.12

DST Test Number: 2

29 33 29 Meade KS

Serial #: 6753

Inside

Claassen Oil and Gas, Inc.

Pressure vs. Time

