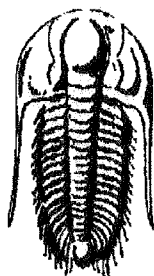


15-077-20499-0001

9-32s-8w

IND



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **AGV Corp.**

PO Box 377
Attica, KS 67009

ATTN: Kent Roberts

9-32s-8w Harper,KS

Mans #1 OWWO

Start Date: 2011.06.01 @ 06:26:21

End Date: 2011.06.01 @ 15:15:36

Job Ticket #: 37472 DST #: 1

RECEIVED

JUL 26 2011

KCC WICHITA

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

ORIGINAL

Printed: 2011.06.13 @ 08:56:15 Page 1

AGV Corp.

Mans #1 OWWO

9-32s-8w Harper,KS

DST # 1

Miss.

2011.06.01



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

AGV Corp.

PO Box 377
Attica, KS 67009

ATTN: Kent Roberts

Mans #1 OWWO

9-32s-8w Harper, KS

Job Ticket: 37472

DST#: 1

Test Start: 2011.06.01 @ 06:26:21

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:28:21

Time Test Ended: 15:15:36

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 56

Interval: 4354.00 ft (KB) To 4386.00 ft (KB) (TVD)

Total Depth: 4386.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1451.00 ft (KB)

1442.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8167 Inside

Press@RunDepth: 25.72 psig @ 4355.00 ft (KB)

Start Date: 2011.06.01

End Date:

2011.06.01

Start Time: 06:26:26

End Time:

15:15:36

Capacity: 8000.00 psig

Last Calib.: 2011.06.01

Time On Btm: 2011.06.01 @ 08:26:21

Time Off Btm: 2011.06.01 @ 12:37:21

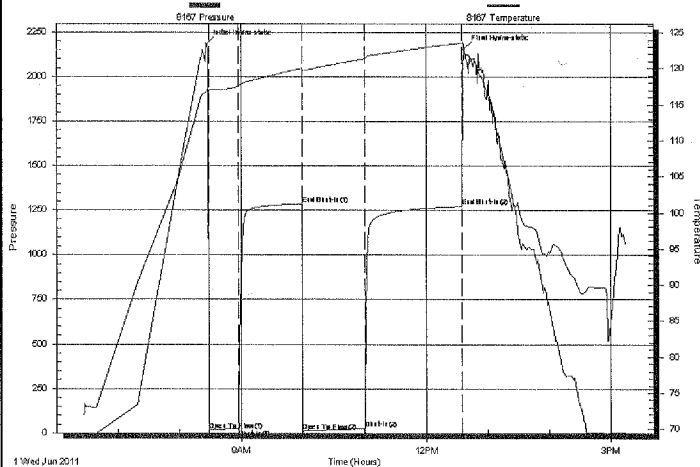
TEST COMMENT: IF: Strong blow. B.O.B. in 2.75 mins.

IS: No blow.

FF: Strong blow. (see gas flow report)

FSI: No blow.

Pressure vs. Time



PRESSURE SUMMARY

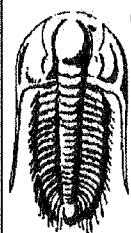
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2183.73	116.88	Initial Hydro-static
2	17.60	116.84	Open To Flow (1)
32	22.88	117.52	Shut-In(1)
94	1285.10	120.02	End Shut-In(1)
94	11.74	119.74	Open To Flow (2)
155	25.72	121.36	Shut-In(2)
249	1271.62	123.54	End Shut-In(2)
251	2155.33	122.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Drig. mud	0.07

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	6.50	33.16
Last Gas Rate	0.25	13.00	43.47
Max. Gas Rate	0.25	13.00	43.47



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

AGV Corp.

Mans #1 OWWO

PO Box 377
Attica, KS 67009

9-32s-8w Harper, KS

Job Ticket: 37472

DST#: 1

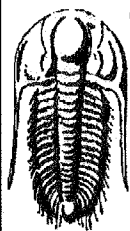
ATTN: Kent Roberts

Test Start: 2011.06.01 @ 06:26:21

Tool Information

Drill Pipe:	Length: 4112.00 ft	Diameter: 3.80 inches	Volume: 57.68 bbl	Tool Weight:	2400.00 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: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose:	90000.00 lb
			Total Volume: 58.86 bbl	Tool Chased	1.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	53000.00 lb
Depth to Top Packer:	4354.00 ft			Final	56000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	32.00 ft				
Tool Length:	52.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			4335.00	
Shut in tool	5.00			4340.00	
HMV	5.00			4345.00	
Packer	4.00			4349.00	20.00 Bottom Of Top Packer
Packer	5.00			4354.00	
Stubb	1.00			4355.00	
Recorder	0.00	8167	Inside	4355.00	
Recorder	0.00	8370	Outside	4355.00	
Perforations	26.00			4381.00	
Bullnose	5.00			4386.00	32.00 Bottom Packers & Anchor
Total Tool Length:	52.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

AGV Corp.

PO Box 377
Attica, KS 67009

ATTN: Kent Roberts

Mans #1 OWWO

9-32s-8w Harper, KS

Job Ticket: 37472

DST#: 1

Test Start: 2011.06.01 @ 06:26:21

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 10.38 in³

Resistivity: 0.00 ohm.m

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: 6000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Drig. mud	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

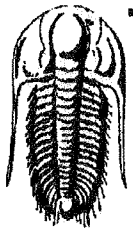
Num Gas Bombs: 1

Serial #: gp-1

Laboratory Name: caraway

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

AGV Corp.

Mans #1 OWWO

PO Box 377
Attica, KS 67009

9-32s-8w Harper, KS

Job Ticket: 37472

DST#: 1

ATTN: Kent Roberts

Test Start: 2011.06.01 @ 06:26:21

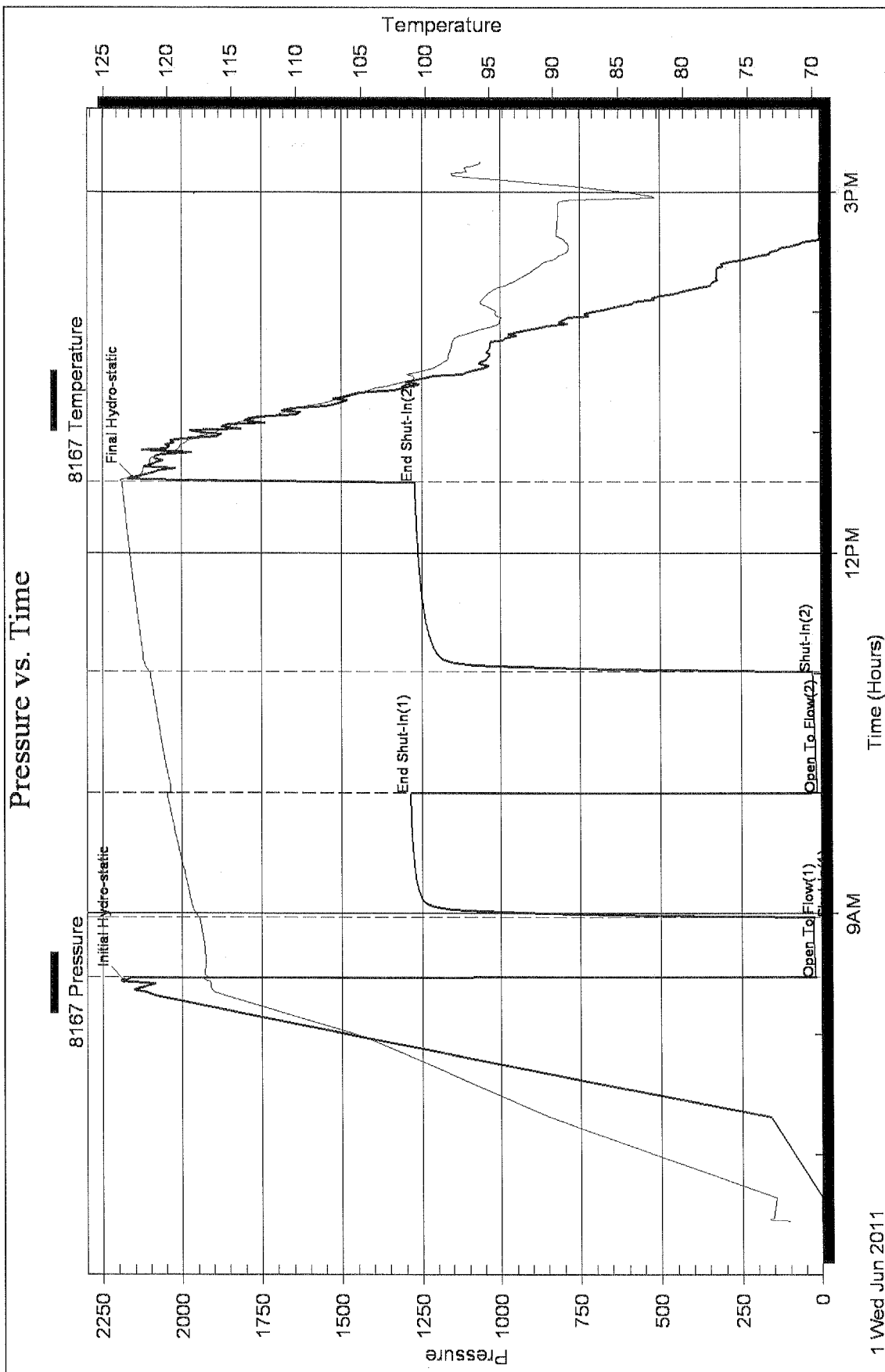
Gas Rates Information

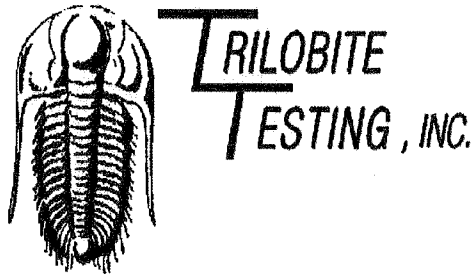
Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m³/d)
2	10	0.25	6.50	33.16
2	10	0.25	6.50	33.16
2	20	0.25	8.00	35.54
2	30	0.25	9.00	37.12
2	40	0.25	11.00	40.30
2	50	0.25	13.00	43.47

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **AGV Corp.**

PO Box 377
Attica, KS 67009

ATTN: Kent Roberts

9-32s-8w Harper,KS

Mans #1 OWWO

Start Date: 2011.06.01 @ 22:55:25

End Date: 2011.06.02 @ 08:15:10

Job Ticket #: 37473 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

AGV Corp.

PO Box 377
Attica, KS 67009

ATTN: Kent Roberts

Mans #1 OWWO

9-32s-8w Harper, KS

Job Ticket: 37473

DST#: 2

Test Start: 2011.06.01 @ 22:55:25

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:54:25

Time Test Ended: 08:15:10

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 56

Interval: 4383.00 ft (KB) To 4395.00 ft (KB) (TVD)

Total Depth: 4395.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1451.00 ft (KB)

1442.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8167

Inside

Press@RunDepth: 407.12 psig @ 4384.00 ft (KB)

Start Date: 2011.06.01

End Date:

2011.06.02

Start Time: 22:55:30

End Time:

08:15:10

Capacity: 8000.00 psig

Last Calib.: 2011.06.02

Time On Btm: 2011.06.02 @ 01:52:40

Time Off Btm: 2011.06.02 @ 05:39:55

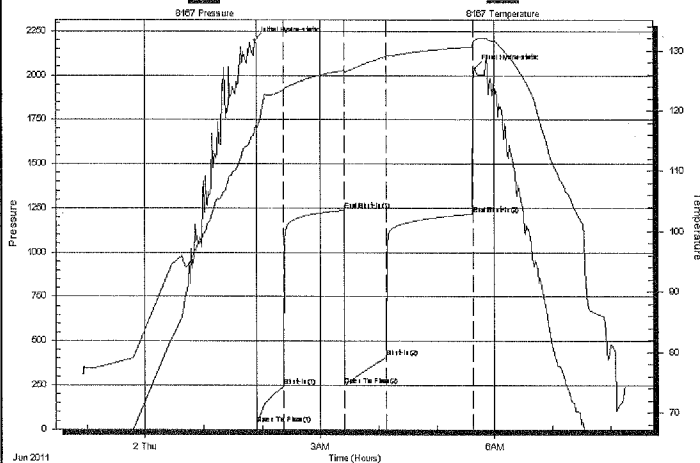
TEST COMMENT: IF: Strong blow. B.O.B. in 12 mins.

IS: No blow.

FF: Weak to fair blow. Slow increase to 13".

FS: No blow.

Pressure vs. Time



PRESSURE SUMMARY

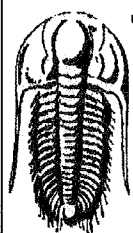
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2196.39	117.08	Initial Hydro-static
2	29.89	117.13	Open To Flow (1)
30	246.89	123.49	Shut-In (1)
92	1238.13	126.70	End Shut-In (1)
92	248.74	126.29	Open To Flow (2)
136	407.12	128.96	Shut-In (2)
225	1217.46	130.64	End Shut-In (2)
228	2039.35	131.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
685.00	GSW 3%g 97%w / Rw .072ohms@70deg 7.42	

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

AGV Corp.

Mans #1 OWWO

PO Box 377
Attica, KS 67009

9-32s-8w Harper, KS

Job Ticket: 37473

DST#: 2

ATTN: Kent Roberts

Test Start: 2011.06.01 @ 22:55:25

Tool Information

Drill Pipe:	Length: 4143.00 ft	Diameter: 3.80 inches	Volume: 58.12 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 2400.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 24000.00 lb
		Total Volume: 59.30 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4383.00 ft			Final 57500.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	32.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			4364.00	
Shut in tool	5.00			4369.00	
HMV	5.00			4374.00	
Packer	4.00			4378.00	20.00 Bottom Of Top Packer
Packer	5.00			4383.00	
Stubb	1.00			4384.00	
Recorder	0.00	8167	Inside	4384.00	
Recorder	0.00	8370	Outside	4384.00	
Perforations	6.00			4390.00	
Bullnose	5.00			4395.00	12.00 Bottom Packers & Anchor
Total Tool Length:		32.00			



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

AGV Corp.

Mans #1 OWWO

PO Box 377
Attica, KS 67009

9-32s-8w Harper, KS

Job Ticket: 37473

DST#: 2

ATTN: Kent Roberts

Test Start: 2011.06.01 @ 22:55:25

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:

119000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.37 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
685.00	GSW 3%g 97%w / Rw .072ohms @70deg	7.422

Total Length: 685.00 ft

Total Volume: 7.422 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

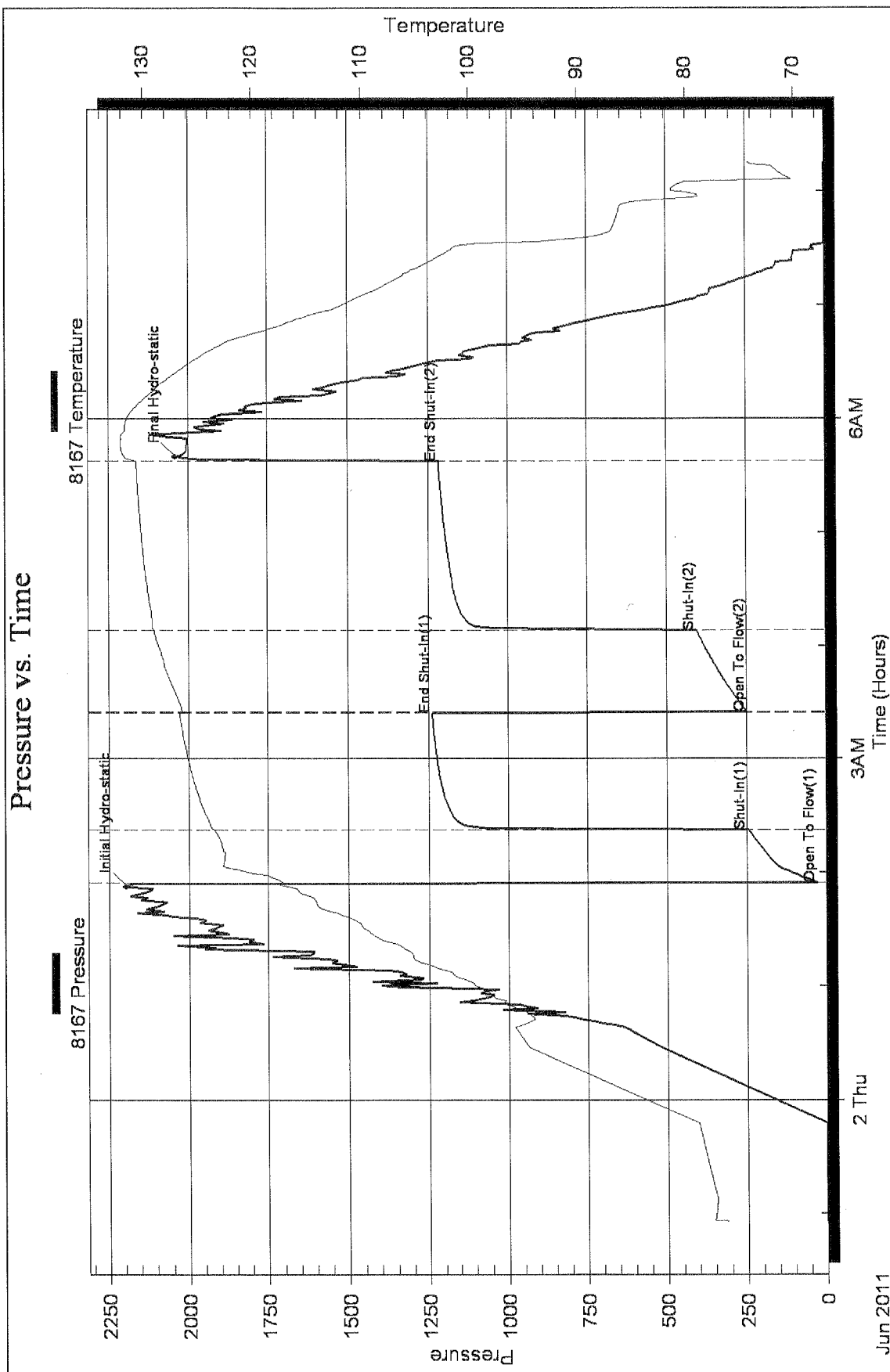
Serial #: none

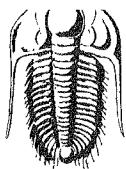
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING INC.**

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
JUN 09 2011

Test Ticket

NO. 37472

BY: _____
Well Name & No. MAN #1 OWWO Test No. 1 Date 6-1-11
Company AGU CORP. Elevation 1451 KB 1442 GL
Address P.O. Box 3377, ATTICA, KS. 67009
Co. Rep / Geo. KENT ROBERTS Rig LANDMARK DRILL #6
Location: Sec. 9 Twp. 32 S Rge. 8 W Co. HARPER State KS.

Interval Tested 4354-4386' Zone Tested MISS.
Anchor Length 32' Drill Pipe Run 4112' Mud Wt. 9.3
Top Packer Depth 4349' Drill Collars Run 240' Vis 48
Bottom Packer Depth 4354' Wt. Pipe Run 0 WL 10.40
Total Depth 4386' Chlorides 6,000 ppm System LCM 2#
Blow Description IF: Strong blow. B.O.B. in 2.75 mins. GTS. in 26 mins.
ISI: No blow.
FF: Strong blow. (see gas flow report) FSI: No blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>Dry Mud</u>				
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 15 BHT 1240 Gravity N/A API RW N/C @ ~ °F Chlorides 6,000 ppm

(A) Initial Hydrostatic <u>2184</u>	☒ Test <u>1225</u>	T-On Location <u>0515</u>
(B) First Initial Flow <u>18</u>	☐ Jars	T-Started <u>0626</u>
(C) First Final Flow <u>23</u>	☐ Safety Joint	T-Open <u>0828</u>
(D) Initial Shut-In <u>1285</u>	☐ Circ Sub	T-Pulled <u>1235</u>
(E) Second Initial Flow <u>12</u>	☐ Hourly Standby	T-Out <u>1515</u>
(F) Second Final Flow <u>26</u>	☒ Mileage <u>(115) 1601.00</u>	Comments
(G) Final Shut-In <u>1272</u>	☐ Sampler	
(H) Final Hydrostatic <u>2155</u>	☐ Straddle	
	☐ Shale Packer	☐ Ruined Shale Packer
Initial Open <u>30</u>	☐ Extra Packer	☐ Ruined Packer
Initial Shut-In <u>60</u>	☐ Extra Recorder	☐ Extra Copies
Final Flow <u>60</u>	☐ Day Standby	Sub Total <u>150</u>
Final Shut-In <u>90</u>	☒ Accessibility <u>150</u>	Total <u>1536</u>
	Sub Total <u>1386</u>	

Approved By Kent Roberts Our Representative Craig P. [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.

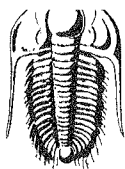


GAS VOLUME REPORT

DST NO.

Final Open

Remarks:



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 37473

RECEIVED

JUN 09 2011

Well Name & No. MANS #1 00000 BY: Test No. 2 Date 6-1-11
 Company AGU CORP. Elevation 1451 KB 1442 GL
 Address P.O. Box 377, ATTICA KS. 67009
 Co. Rep / Geo. KENT ROBERTS Rig LANDMARK DRILLING #6
 Location: Sec. 9 Twp. 32S Rge. 8W Co. HARPER State KS.

Interval Tested 4383-4395' Zone Tested MISS.
 Anchor Length 12' Drill Pipe Run 4143' Mud Wt. 9.3
 Top Packer Depth 4378' Drill Collars Run 240' Vis 48
 Bottom Packer Depth 4383' Wt. Pipe Run 0 WL 10.4
 Total Depth 4395' Chlorides 6,000 ppm System LCM 2nd
 Blow Description IF: Strong blow. B.O.B. in 12 mins. IST: No blow

FF: Weak to fair blow. slow increase to 13". FST: No blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>685</u>	<u>Feet of GSW</u>	<u>3</u>	<u>97</u>	<u>97</u>	<u>97</u>
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 685 BHT 131° Gravity N/A API RW .012 @ 70 °F Chlorides 119,000 ppm

(A) Initial Hydrostatic	<u>2196</u>	☒ Test	<u>1225'</u>	T-On Location	<u>2225</u>
(B) First Initial Flow	<u>30</u>	☐ Jars		T-Started	<u>2255</u>
(C) First Final Flow	<u>247</u>	☐ Safety Joint		T-Open	<u>0154</u>
(D) Initial Shut-In	<u>1238</u>	☐ Circ Sub		T-Pulled	<u>0539</u>
(E) Second Initial Flow	<u>249</u>	☐ Hourly Standby		T-Out	<u>0815</u>
(F) Second Final Flow	<u>407</u>	☒ Mileage	<u>(115) 1161'</u>	Comments	
(G) Final Shut-In	<u>1217</u>	☐ Sampler			
(H) Final Hydrostatic	<u>2039</u>	☐ Straddle			

Initial Open 30
 Initial Shut-In 60
 Final Flow 45
 Final Shut-In 90

☐ Shale Packer
☐ Extra Packer
☐ Extra Recorder
☐ Day Standby
☒ Accessibility 150'
 Sub Total 1386'

☐ Ruined Shale Packer
☐ Ruined Packer
☐ Extra Copies
 Sub Total 150'
 Total 1536'

Approved By Kent Roberts

Our Representative

Gary P. [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.