

DRILL STEM TEST REPORT

Prepared For: **AGV Corporation**

123 N Main
Attica KS 67009

ATTN: Kent Roberts

6 33 8W Harper KS

Barker # 7

Start Date: 2007.06.13 @ 05:56:55

End Date: 2007.06.13 @ 13:38:55

Job Ticket #: 26977 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

AGV Corporation

123 N Main
Attica KS 67009

ATTN: Kent Roberts

Barker # 7

6 33 8W Harper KS

Job Ticket: 26977

DST#: 1

Test Start: 2007.06.13 @ 05:56:55

GENERAL INFORMATION:

Formation: **Stalnaker**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 08:23:25

Time Test Ended: 13:38:55

Test Type: **Conventional Bottom Hole**

Tester: **Jerry Adams**

Unit No: **36**

Interval: **3599.00 ft (KB) To 3669.00 ft (KB) (TVD)**

Total Depth: **3669.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1384.00 ft (KB)**

1374.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: 6798 **Inside**

Press@RunDepth: **125.54 psig @ 3605.00 ft (KB)**

Start Date: **2007.06.13**

End Date: **2007.06.13**

Start Time: **05:57:00**

End Time: **13:38:54**

Capacity: **7000.00 psig**

Last Calib.: **2007.06.13**

Time On Btm: **2007.06.13 @ 08:22:55**

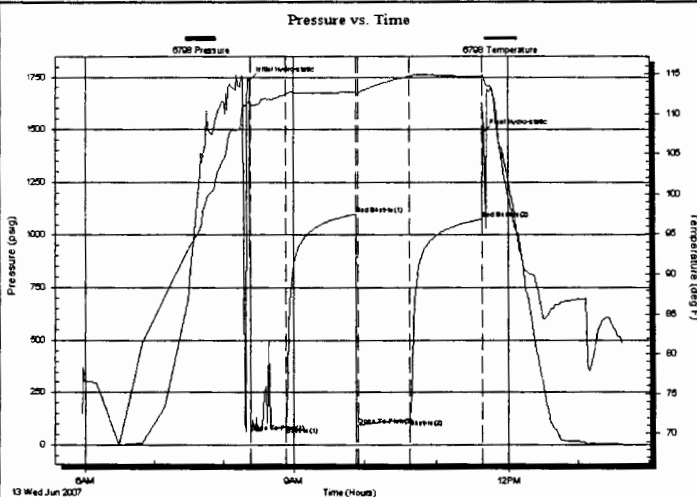
Time Off Btm: **2007.06.13 @ 11:38:54**

TEST COMMENT: IFTool opened and had a very slight packer failure Pulled loose and reset. Fair blow BOB in 11 mins.

ISI Weak blow Built to 1/2 " Dead in 18 mins.

FF Fair blow BOB in 15 mins.

FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1735.66	111.33	Initial Hydro-static
1	60.98	111.02	Open To Flow (1)
31	88.17	112.39	Shut-In(1)
90	1099.46	112.71	End Shut-In(1)
92	91.71	112.52	Open To Flow (2)
136	125.54	114.68	Shut-In(2)
196	1075.70	114.64	End Shut-In(2)
196	1482.38	114.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Drig. Mud 100%M	0.98
120.00	HMCW 55%W 45%M	1.68
0.00	RW= .341 @ 82 deg. 21000 ppm	0.00
0.00		0.00

Gas Rates

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

AGV Corporation

123 N Main
Attica KS 67009

ATTN: Kent Roberts

Barker # 7

6 33 8W Harper KS

Job Ticket: 26977

DST#: 1

Test Start: 2007.06.13 @ 05:56:55

Tool Information

Drill Pipe:	Length: 3578.00 ft	Diameter: 3.80 inches	Volume: 50.19 bbl	Tool Weight:	2500.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	80000.00 lb
		Total Volume:	50.19 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3599.00 ft			Final	45000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	70.00 ft				
Tool Length:	98.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:
Tool slid approx. 15' to bottom.

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3576.00	
Hydraulic tool	5.00			3581.00	
Jars	5.00			3586.00	
Safety Joint	3.00			3589.00	
Packer	5.00			3594.00	28.00 Bottom Of Top Packer
Packer	5.00			3599.00	
Stubb	1.00			3600.00	
Perforations	4.00			3604.00	
Change Over Sub	1.00			3605.00	
Recorder	0.00	6798	Inside	3605.00	
Blank Spacing	30.00			3635.00	
Change Over Sub	1.00			3636.00	
Perforations	30.00			3666.00	
Recorder	0.00	13249	Outside	3666.00	
Bullnose	3.00			3669.00	70.00 Bottom Packers & Anchor

Total Tool Length: 98.00



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FLUID SUMMARY

AGV Corporation

Barker # 7

123 N Main
Attica KS 67009

6 33 8W Harper KS

Job Ticket: 26977

DST#: 1

ATTN: Kent Roberts

Test Start: 2007.06.13 @ 05:56:55

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: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	Drig. Mud 100%M	0.982
120.00	HMCW 55%W 45%M	1.683
0.00	RW= .341 @ 82 deg. 21000 ppm	0.000
0.00		0.000

Total Length: 190.00 ft

Total Volume: 2.665 bbl

Num Fluid Samples: 0

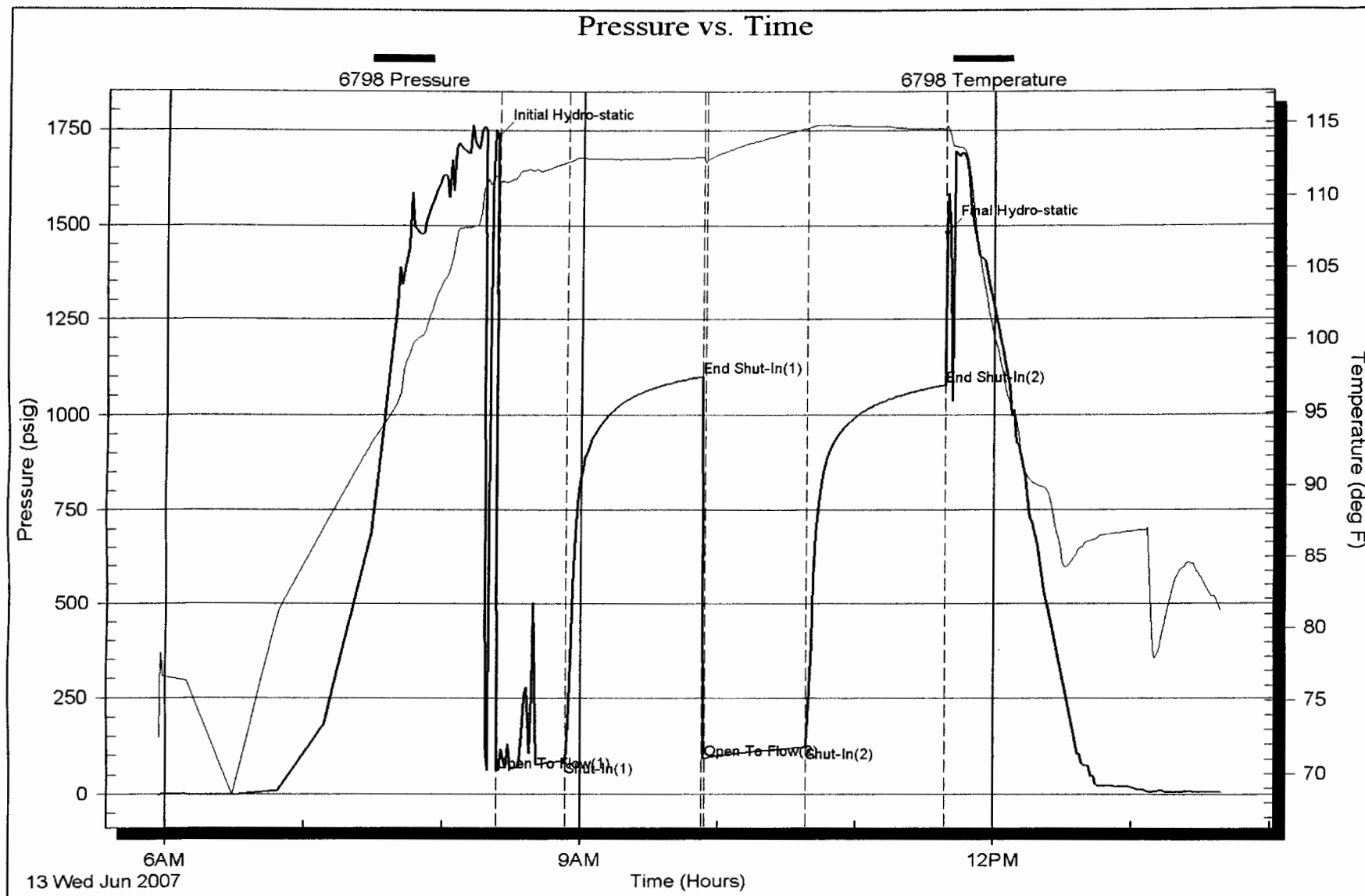
Num Gas Bombs: 0

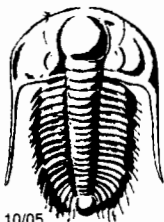
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26977

10273

Test Ticket

Well Name & No. AGV Corp. Barker #7 Test No. 1 Date 6-13-07
 Company AGV Corp. Zone Tested Stalnaker
 Address 123 N. Main Atchica, Kansas 67009 Elevation 1384 KB 1374 GL
 Co. Rep / Geo. Kent Roberts Rig Val #3
 Location: Sec. 6 Twp. 33S Rge. 8W Co. Harper State KS
 Comment: Slid approx. 15' to bottom. Release date / time: _____

Interval Tested 3599-3669 Initial Str Wt./Lbs. 44,000 Unseated Str Wt./Lbs. 45,000
 Anchor Length 70 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 80,000
 Top Packer Depth 3594 Tool Weight 2,500
 Bottom Packer Depth 3599 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3669 Wt. Pipe Run 0 Drill Collar Run 0
 Mud Wt. 8.8 LCM 0 Vis. 48 WL 10.0 Drill Pipe Size 4 1/2" XH Ft. Run 3578
 Blow Description IF: Tool opened and had a very slight packer failure. Pulled loose and reset. Fair blow. B.O.B. in 11 mins. FST: Weak blow. Built to 1/2". Dead in 18 mins. FF: Fair blow. B.O.B. in 15 mins.
FST: No blow.

Recovery - Total Feet 190 GIP 0 Ft. in DC 0 Ft. in DP 190
 Rec. 70 Feet of Drlg. mud %gas %oil %water 100 %mud
 Rec. 120 Feet of Hmcw %gas %oil 55 %water 45 %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 BHT 114 °F Gravity NIC °API D @ _____ °F Corrected Gravity _____ °API
 RW .341 @ 82 °F Chlorides 21,000 ppm Recovery _____ Chlorides 4,000 ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>1750</u>	PSI	Recorder No.	<u>6798</u>	Test <u>✓</u> <u>1100</u>
(B) First Initial Flow Pressure	<u>61</u>	PSI	(depth)	<u>3605</u>	Jars <u>✓</u> <u>250</u>
(C) First Final Flow Pressure	<u>88</u>	PSI	Recorder No.	<u>13249</u>	Safety Jt. <u>✓</u> <u>75</u>
(D) Initial Shut-In Pressure	<u>1099</u>	PSI	(depth)	<u>3666</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>92</u>	PSI	Recorder No.	<u>_____</u>	Sampler _____
(F) Second Final Flow Pressure	<u>126</u>	PSI	(depth)	<u>_____</u>	Straddle _____
(G) Final Shut-In Pressure	<u>1076</u>	PSI	Initial Opening	<u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1730</u>	PSI	Initial Shut-In	<u>60</u>	Shale Packer _____

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Approved By Kent Roberts

Our Representative Jerry Adams

Thank You.

Final Flow 45
 Final Shut-In 60
 T-On Location 0400
 T-Started 0556
 T-Open 0823
 T-Pulled 1140
 T-Out 1338

Ruined Packer 137.50
 Mileage ✓ 110 R.T.
 Sub Total: 50
 Std. By 12
 Acc. Chg: _____
 Other: _____
 Total: \$11012.50

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

