

DRILL STEM TEST REPORT

Prepared For: **Sam Gary & Associates Inc**

1670 Broadway Ste 3300
Denver CO 80202

ATTN: Tom Fertal

4 18 10 Rice KS

Stumps 2-4

Start Date: 2007.05.24 @ 18:53:47

End Date: 2007.05.25 @ 03:12:47

Job Ticket #: 28122 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Sam Gary & Associates Inc

1670 Broadway Ste 3300
Denver CO 80202

ATTN: Tom Fertal

Stumps 2-4

4 18 10 Rice KS

Job Ticket: 28122

DST#: 1

Test Start: 2007.05.24 @ 18:53:47

GENERAL INFORMATION:

Formation: **F LKC**

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

Time Tool Opened: 20:57:27

Time Test Ended: 03:12:47

Test Type: **Conventional Bottom Hole**

Tester: **Dan Bangle**

Unit No: **38**

Interval: **2985.00 ft (KB) To 3032.00 ft (KB) (TVD)**

Total Depth: **3032.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **1782.00 ft (KB)**

1772.00 ft (CF)

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

Serial #: 6741 **Inside**

Press@RunDepth: **145.39 psig @ 3020.00 ft (KB)**

Start Date: **2007.05.24**

End Date:

2007.05.25

Start Time: **18:53:49**

End Time:

03:12:47

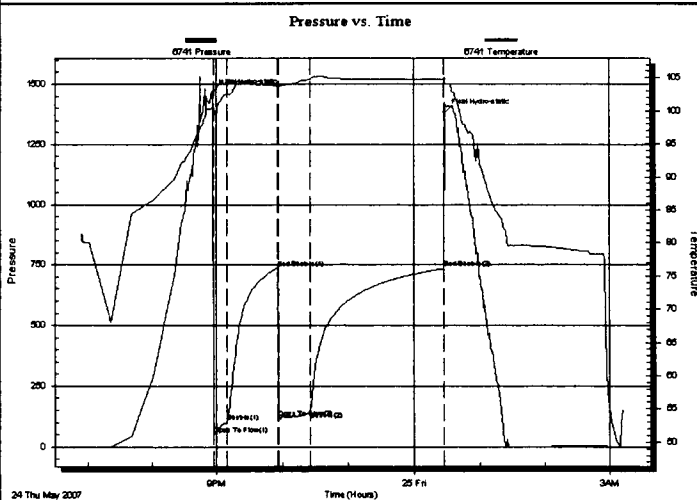
Capacity: **7000.00 psig**

Last Calib.: **2007.05.25**

Time On Btm: **2007.05.24 @ 20:56:27**

Time Off Btm: **2007.05.25 @ 00:28:02**

TEST COMMENT: IF Strong B-B in 1 min
ISI Weak building to 2" - Died in 30 min
FF Strong B-B in 30 sec
FSI Weak building to 10" - Died in 35 min



PRESSURE SUMMARY

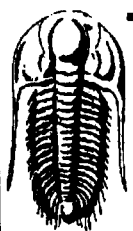
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1465.90	100.39	Initial Hydro-static
1	51.91	100.07	Open To Flow (1)
13	101.89	102.59	Shut-In (1)
60	737.42	103.77	End Shut-In (1)
61	118.13	103.89	Open To Flow (2)
90	145.39	104.81	Shut-In (2)
212	734.42	104.81	End Shut-In (2)
212	1381.93	105.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
190.00	Silty OCGsyW 20%G 3%O 77%W	0.93
180.00	OCGsyM 20%G 30%O 50%M	1.23
0.00	1100 GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Sam Gary & Associates Inc

1670 Broadway Ste 3300
Denver CO 80202

ATTN: Tom Fertal

Stumps 2-4

4 18 10 Rice KS

Job Ticket: 28122

DST#: 1

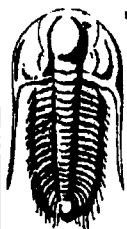
Test Start: 2007.05.24 @ 18:53:47

Tool Information

Drill Pipe:	Length: 2667.00 ft	Diameter: 3.34 inches	Volume: 28.90 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: 311.00 ft	Diameter: 2.25 inches	Volume: 1.53 bbl	Weight to Pull Loose:	60000.00 lb
		Total Volume:	30.43 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	2985.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	47.00 ft				
Tool Length:	76.00 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			2957.00	
Shut In Tool	5.00			2962.00	
Hydraulic tool	5.00			2967.00	
Jars	5.00			2972.00	
Safety Joint	3.00			2975.00	
Packer	5.00			2980.00	29.00 Bottom Of Top Packer
Packer	5.00			2985.00	
Stubb	1.00			2986.00	
Perforations	1.00			2987.00	
Change Over Sub	1.00			2988.00	
Drill Collar	31.00			3019.00	
Change Over Sub	1.00			3020.00	
Recorder	0.00	6741	Inside	3020.00	
Perforations	9.00			3029.00	
Recorder	0.00	13254	Outside	3029.00	
Bullnose	3.00			3032.00	47.00 Bottom Packers & Anchor
Total Tool Length:		76.00			



TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary & Associates Inc

Stumps 2-4

1670 Broadway Ste 3300
Denver CO 80202

4 18 10 Rice KS

Job Ticket: 28122

DST#: 1

ATTN: Tom Fertal

Test Start: 2007.05.24 @ 18:53:47

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:

68000 ppm

Viscosity: 41.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.57 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
190.00	Sltty OCGsyW 20%G 3%O 77%W	0.934
180.00	OCGsyM 20%G 30%O 50%M	1.234
0.00	1100 GIP	0.000

Total Length: 370.00 ft

Total Volume: 2.168 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

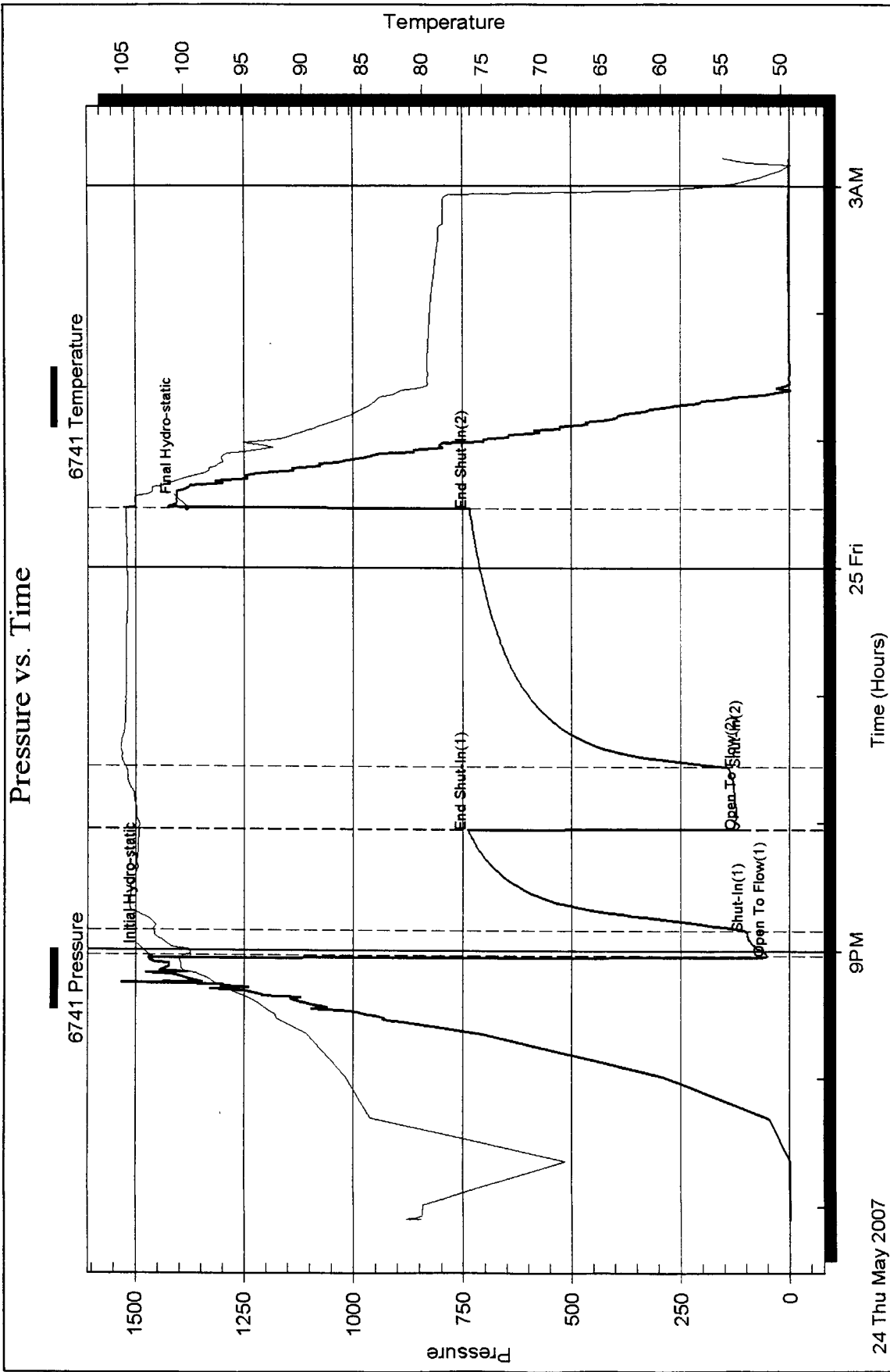
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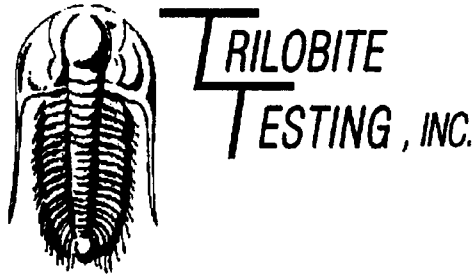
Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .10 @ 80 = 68000ppm

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Sam Gary & Associates Inc**

1670 Broadway Ste 3300
Denver CO 80202

ATTN: Tom Fertal

4 18 10 Rice KS

Stumps 2-4

Start Date: 2007.05.25 @ 20:35:10

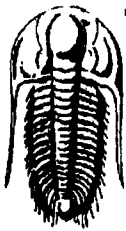
End Date: 2007.05.26 @ 02:53:55

Job Ticket #: 28123 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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DRILL STEM TEST REPORT

Sam Gary & Associates Inc

1670 Broadway Ste 3300
Denver CO 80202

ATTN: Tom Fertal

Stumps 2-4

4 18 10 Rice KS

Job Ticket: 28123

DST#: 2

Test Start: 2007.05.25 @ 20:35:10

GENERAL INFORMATION:

Formation: **H-J**

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

Time Tool Opened: 22:56:20

Time Test Ended: 02:53:55

Test Type: **Conventional Bottom Hole**

Tester: **Dan Bangle**

Unit No: **38**

Interval: **3097.00 ft (KB) To 3150.00 ft (KB) (TVD)**

Total Depth: **3150.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **1782.00 ft (KB)**

1772.00 ft (CF)

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

Serial #: 6741 **Inside**

Press@RunDepth: **33.99 psig @ 3132.00 ft (KB)**

Start Date: **2007.05.25**

End Date: **2007.05.26**

Start Time: **20:35:12**

End Time: **02:53:55**

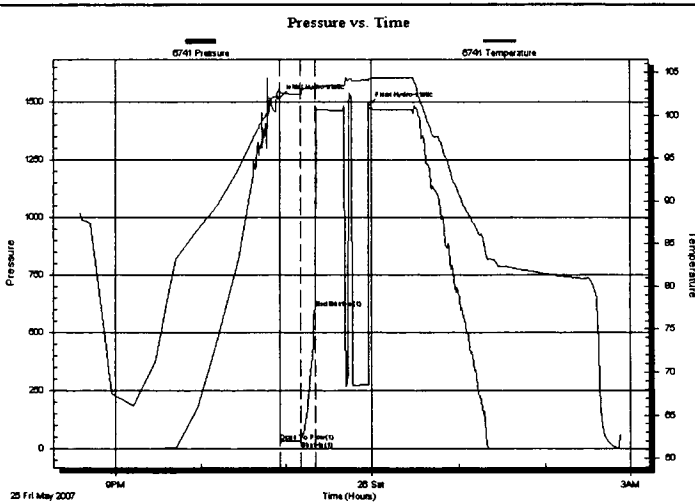
Capacity: **7000.00 psig**

Last Calib.: **2007.05.26**

Time On Btm: **2007.05.25 @ 22:56:10**

Time Off Btm: **2007.05.25 @ 23:57:55**

TEST COMMENT: IF Weak steady surface blow
FF lost packer seat - Reset tool - Weak surface blow
Lost packer seat on FIS!



PRESSURE SUMMARY

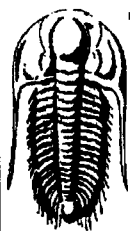
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1516.13	102.99	Initial Hydro-static
1	30.16	102.49	Open To Flow (1)
15	33.99	102.44	Shut-In (1)
25	604.85	103.14	End Shut-In (1)
62	1483.84	104.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
465.00	Drig Mud	3.20

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Sam Gary & Associates Inc

1670 Broadway Ste 3300
Denver CO 80202

ATTN: Tom Fertal

Stumps 2-4

4 18 10 Rice KS

Job Ticket: 28123

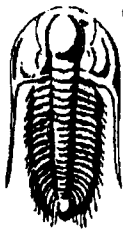
DST#: 2

Test Start: 2007.05.25 @ 20:35:10

Tool Information

Drill Pipe:	Length: 2762.00 ft	Diameter: 3.34 inches	Volume: 29.93 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: 311.00 ft	Diameter: 2.25 inches	Volume: 1.53 bbl	Weight to Pull Loose:	45000.00 lb
		Total Volume:	31.46 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3097.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	52.00 ft				
Tool Length:	81.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					
Lost packer seat on FISI					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3069.00	
Shut In Tool	5.00			3074.00	
Hydraulic tool	5.00			3079.00	
Jars	5.00			3084.00	
Safety Joint	3.00			3087.00	
Packer	5.00			3092.00	29.00 Bottom Of Top Packer
Packer	5.00			3097.00	
Stubb	1.00			3098.00	
Perforations	1.00			3099.00	
Change Over Sub	1.00			3100.00	
Drill Collar	31.00			3131.00	
Change Over Sub	1.00			3132.00	
Recorder	0.00	6741	Inside	3132.00	
Perforations	14.00			3146.00	
Recorder	0.00	13254	Outside	3146.00	
Bullnose	3.00			3149.00	52.00 Bottom Packers & Anchor
Total Tool Length:		81.00			



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DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary & Associates Inc

Stumps 2-4

1670 Broadway Ste 3300
Denver CO 80202

4 18 10 Rice KS

Job Ticket: 28123

DST#: 2

ATTN: Tom Fertal

Test Start: 2007.05.25 @ 20:35:10

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: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
465.00	Drig Mud	3.198

Total Length: 465.00 ft

Total Volume: 3.198 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

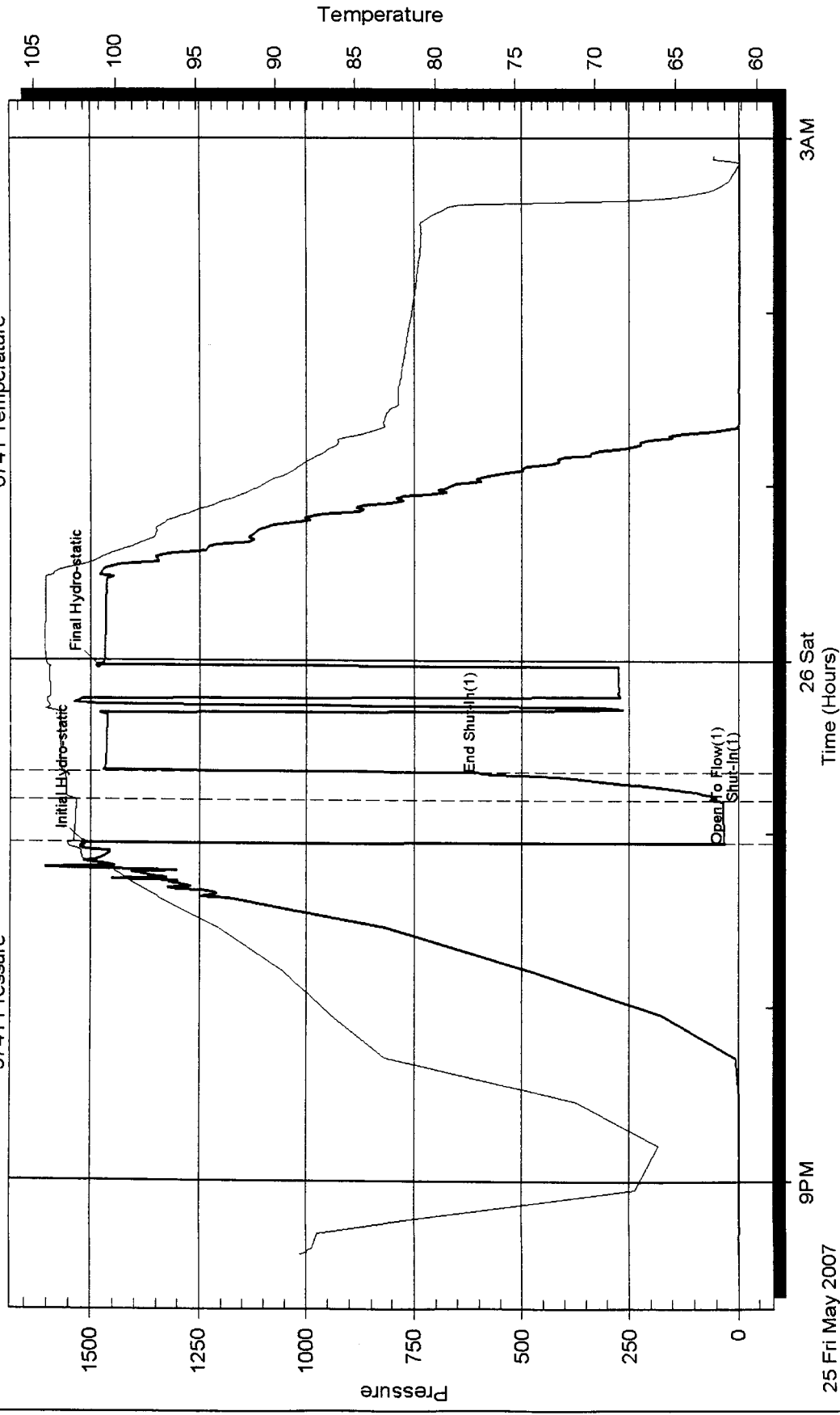
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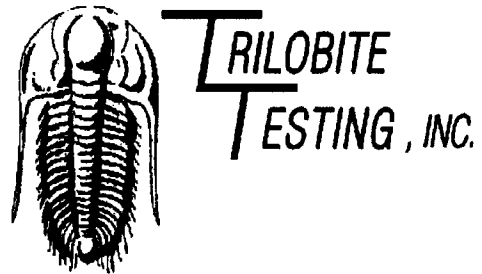
Recovery Comments:

Pressure vs. Time

6741 Temperature

6741 Pressure





DRILL STEM TEST REPORT

Prepared For: **Sam Gary & Associates Inc**

1670 Broadway Ste 3300
Denver CO 80202

ATTN: Tom Fertal

4 18 10 Rice KS

Stumps 2-4

Start Date: 2007.05.27 @ 18:00:49

End Date: 2007.05.28 @ 03:47:49

Job Ticket #: 28124 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Sam Gary & Associates Inc

1670 Broadway Ste 3300
Denver CO 80202

ATTN: Tom Fertal

Stumps 2-4

4 18 10 Rice KS

Job Ticket: 28124

DST#: 3

Test Start: 2007.05.27 @ 18:00:49

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:27:29

Time Test Ended: 03:47:49

Interval: **3277.00 ft (KB) To 3287.00 ft (KB) (TVD)**

Total Depth: 3357.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Straddle

Tester: Dan Bangle

Unit No: 38

Reference Elevations: 1782.00 ft (KB)

1772.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6741

Inside

Press@RunDepth: 223.11 psig @ 3278.00 ft (KB)

Start Date: 2007.05.27

End Date:

2007.05.28

Start Time: 18:00:51

End Time:

03:47:49

Capacity: 7000.00 psig

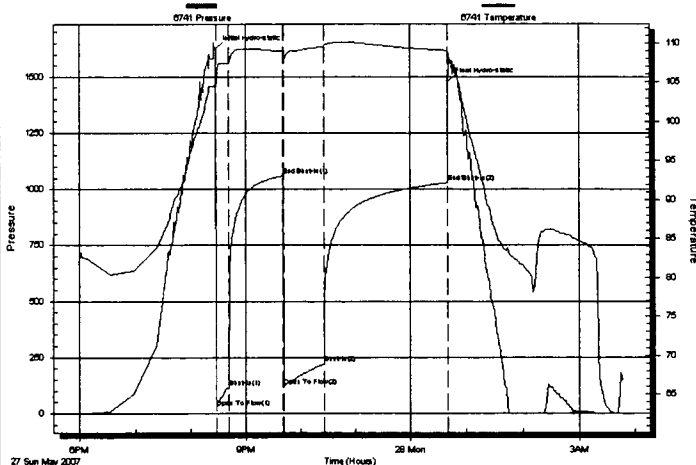
Last Calib.: 2007.05.28

Time On Btm: 2007.05.27 @ 20:27:19

Time Off Btm: 2007.05.28 @ 00:41:04

TEST COMMENT: IF Strong B-B in 15 min
FF Strong B-B in 20 min

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1623.53	104.72	Initial Hydro-static
1	23.60	104.42	Open To Flow (1)
15	114.50	107.40	Shut-In (1)
73	1059.64	108.91	End Shut-In (1)
74	120.89	108.44	Open To Flow (2)
119	223.11	109.52	Shut-In (2)
254	1029.45	109.02	End Shut-In (2)
254	1478.79	109.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	MCGsyO 5%G 55%O 40%M	0.61
465.00	C GsyO 5%G 95%O	4.12

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Sam Gary & Associates Inc

1670 Broadway Ste 3300
Denver CO 80202

ATTN: Tom Fertal

Stumps 2-4

4 18 10 Rice KS

Job Ticket: 28124

DST#: 3

Test Start: 2007.05.27 @ 18:00:49

Tool Information

Drill Pipe:	Length: 2976.00 ft	Diameter: 3.34 inches	Volume: 32.25 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: 280.00 ft	Diameter: 2.25 inches	Volume: 1.38 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume: 33.63 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3277.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	3287.00 ft			
Interval between Packers:	10.00 ft			
Tool Length:	109.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3249.00	
Shut In Tool	5.00			3254.00	
Hydraulic tool	5.00			3259.00	
Jars	5.00			3264.00	
Safety Joint	3.00			3267.00	
Packer	5.00			3272.00	29.00 Bottom Of Top Packer
Packer	5.00			3277.00	
Stubb	1.00			3278.00	
Recorder	0.00	6741	Inside	3278.00	
Perforations	5.00			3283.00	
Blank Off Sub	1.00			3284.00	
Blank Spacing	3.00			3287.00	10.00 Tool Interval
Packer	2.00			3289.00	
Stubb	1.00			3290.00	
Recorder	0.00	13254	Outside	3290.00	
Perforations	5.00			3295.00	
Drill Collar	62.00			3357.00	70.00 Bottom Packers & Anchor
Total Tool Length:		109.00			



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DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary & Associates Inc

Stumps 2-4

1670 Broadway Ste 3300
Denver CO 80202

4 18 10 Rice KS

Job Ticket: 28124

DST#: 3

ATTN: Tom Fertal

Test Start: 2007.05.27 @ 18:00:49

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	MCGsyO 5%G 55%O 40%M	0.615
465.00	C GsyO 5%G 95%O	4.122

Total Length: 590.00 ft

Total Volume: 4.737 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

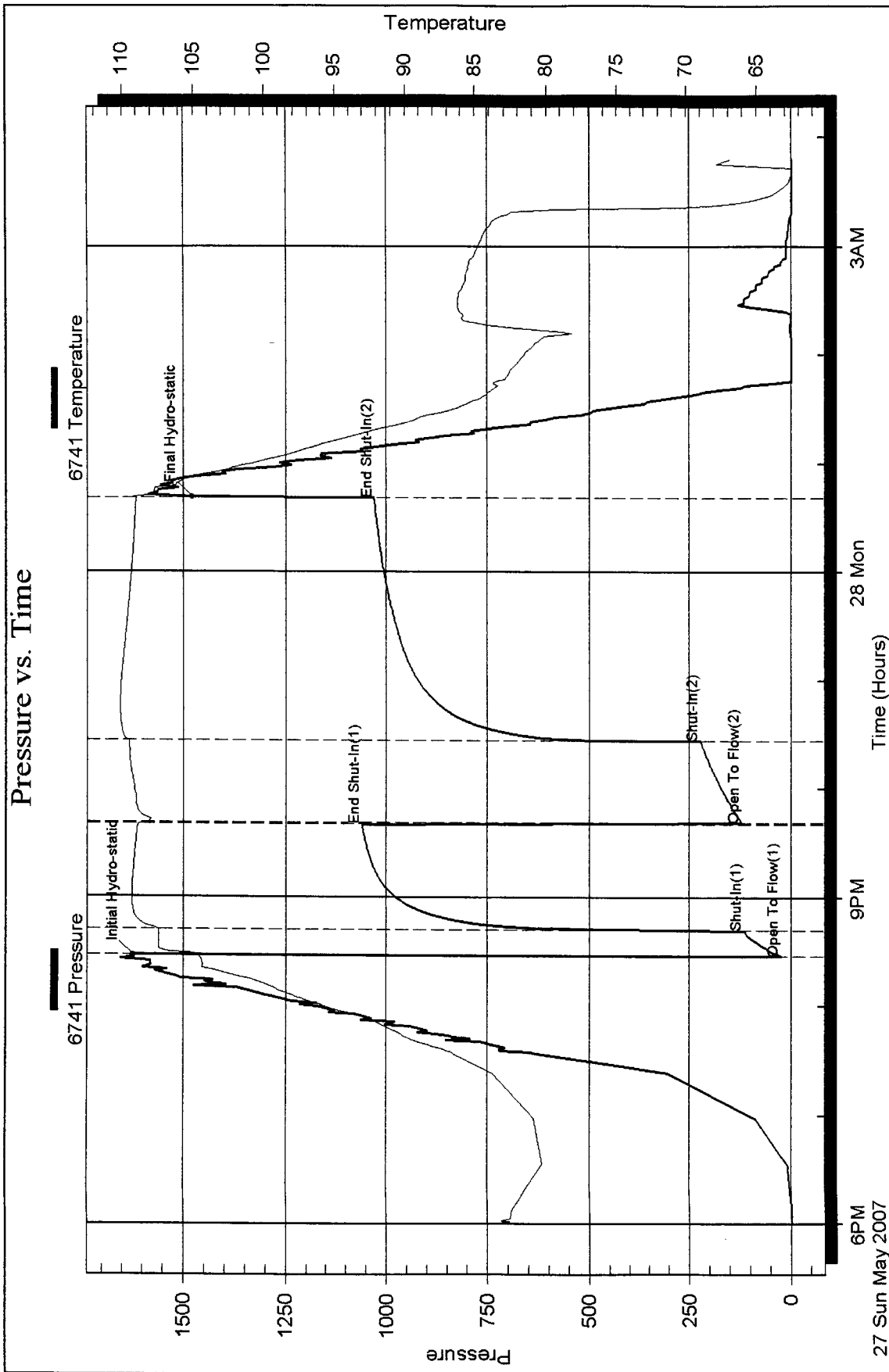
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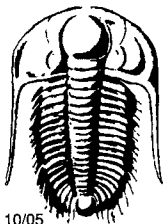
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

28122 ✓

10206

Test Ticket

Well Name & No. STumps 2-4 Test No. 1 Date 5-24-07
 Company Samuel Gary Jr. & Associates, Inc Zone Tested F LKC
 Address 1670 Broadway Ste 3300 Denver, Colo. 80202 Elevation 1782 KB 1772 GL
 Co. Rep / Geo. Justin Carter Rig Summit #1
 Location: Sec. 4 Twp. 18 Rge. 10 Co. Rice State Ks
 Comment: _____ Release date / time: _____

Interval Tested 2985 ——— 3032 Initial Str Wt./Lbs. 49,000 Unseated Str Wt./Lbs. 42,000
 Anchor Length 47 Wt. Set Lbs. 26,000 Wt. Pulled Loose/Lbs. 69,000
 Top Packer Depth 2980 Tool Weight 2000
 Bottom Packer Depth 2985 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3032 Wt. Pipe Run _____ Drill Collar Run 311
 Mud Wt. 9.1 LCM _____ Vis. 41 WL 11.6 Drill Pipe Size 4" X H Ft. Run 2667
 Blow Description I.F. Strong B-B in 1 min.
ISI - Weak - building to 2" - Died in 30 min.
E.F. Strong B-B in 30 sec
FST. Weak - building to 16"
 Recovery - Total Feet 370 GIP 1100 Ft. in DC 311 Ft. in DP 59
 Rec. 180 Feet of OC GSY M 20 %gas 30 %oil _____ %water 50 %mud
 Rec. 190 Feet of 5th OC GSY W 20 %gas 3 %oil 77 %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 BHT 104 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW .10 @ 80 °F Chlorides 68,000 ppm Recovery _____ Chlorides 4500 ppm System

AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1497</u> PSI	<u>6741</u>	<u>1100</u>
(B) First Initial Flow Pressure	<u>51</u> PSI	(depth) <u>3020</u>	Jars <u>X</u> <u>250</u>
(C) First Final Flow Pressure	<u>101</u> PSI	Recorder No. <u>13254</u>	Safety Jt. <u>X</u> <u>75</u>
(D) Initial Shut-In Pressure	<u>737</u> PSI	(depth) <u>3029</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>118</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>145</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>734</u> PSI	Initial Opening <u>15</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1425</u> PSI	Initial Shut-In <u>45</u>	Shale Packer _____

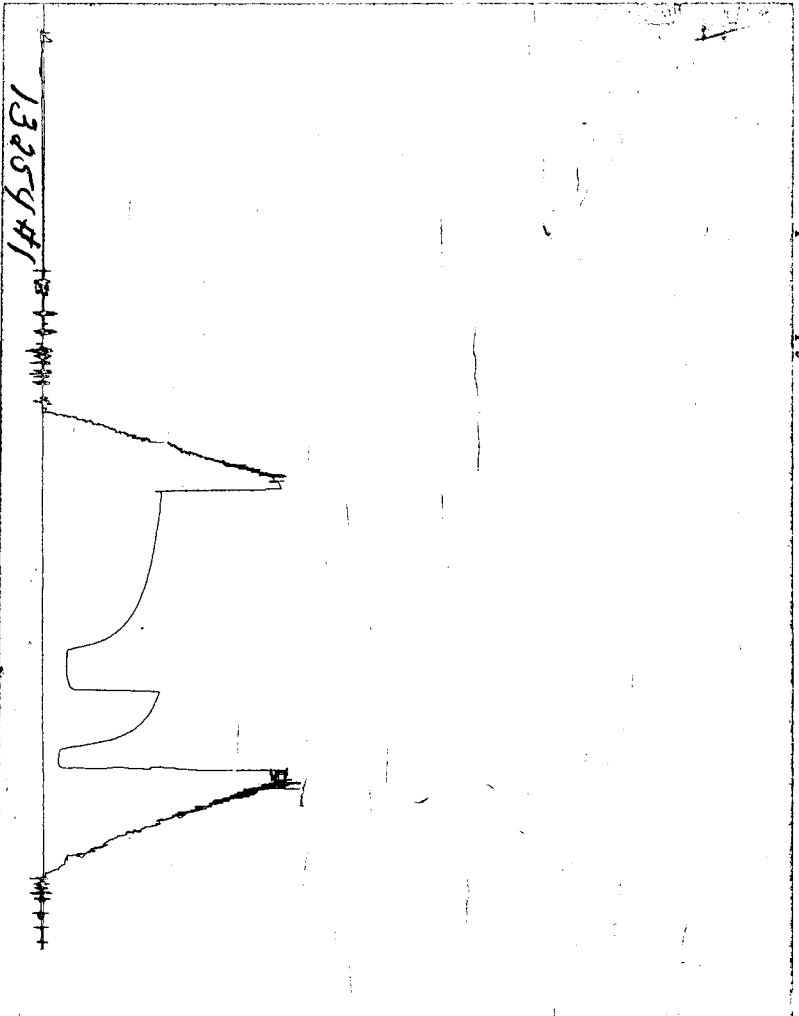
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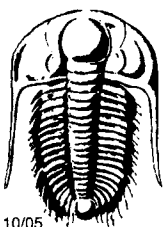
Approved By [Signature]
 Our Representative Don Bangle

Final Flow 30 Ruined Packer _____
 Final Shut-In 120 Mileage 174 RT 217.50
 T-On Location 18:00 Sub Total: \$1642.50
 T-Started 18:53 Std. By _____
 T-Open 20:55 Acc. Chg: X 150
 T-Pulled 00:25 Other: _____
 T-Out 03:12 Total: _____

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

28123

Test Ticket

Well Name & No.	<u>STumps 2-4</u>	Test No.	<u>2</u>	Date	<u>5-25-07</u>
Company	<u>Samuel Gary Jr. & Associates Inc</u>	Zone Tested	<u>14-J</u>	<u>LKC</u>	
Address		Elevation	<u>1782</u>	KB	<u>1772</u> GL
Co. Rep / Geo.	<u>Justin Carter</u>	Rig	<u>Summit #1</u>		
Location: Sec.	<u>4</u>	Twp.	<u>18</u>	Rge.	<u>10</u> Co. <u>Rice</u> State <u>Ks</u>
Comment:		Release date / time:			

Interval Tested	<u>3097</u>	<u>3150</u>	Initial Str Wt./Lbs.	<u>40,000</u>	Unseated Str Wt./Lbs.	<u>42,000</u>
Anchor Length	<u>53</u>		Wt. Set Lbs.	<u>20,000</u>	Wt. Pulled Loose/Lbs.	<u>46,000</u>
Top Packer Depth	<u>3092</u>		Tool Weight	<u>2000</u>		
Bottom Packer Depth	<u>3097</u>		Hole Size	<u>7 7/8"</u>	Rubber Size	<u>6 3/4"</u>
Total Depth	<u>3150</u>		Wt. Pipe Run		Drill Collar Run	<u>311</u>
Mud Wt.	<u>9.2</u>	LCM	Vis.	<u>47</u>	WL	<u>10</u> Drill Pipe Size <u>4"XH</u> Ft. Run <u>2762</u>
Blow Description	<u>I.F. weak steady surface blow</u>					

I.F. lost packer seat - reset tool - weak surface blow
lost packer seat on IST

Recovery - Total Feet	<u>465</u>	GIP		Ft. in DC	<u>311</u>	Ft. in DP	<u>154</u>
Rec.	<u>465</u>	Feet of	<u>D.M.</u>	%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.		Feet of		%gas	%oil	%water	%mud
BHT	<u>103</u>	°F Gravity		°API D @		°F Corrected Gravity	
RW		@		°F Chlorides		ppm Recovery	
				Chlorides	<u>8,000</u>	ppm System	

(A) Initial Hydrostatic Mud	<u>1528</u>	PSI	Recorder No.	<u>6741</u>	Test	<u>1100</u>
(B) First Initial Flow Pressure	<u>30</u>	PSI	(depth)	<u>3132</u>	Jars	<u>X</u> <u>250</u>
(C) First Final Flow Pressure	<u>33</u>	PSI	Recorder No.	<u>13254</u>	Safety Jt.	<u>X</u> <u>75</u>
(D) Initial Shut-In Pressure	<u>604</u>	PSI	(depth)	<u>3146</u>	Circ Sub	
(E) Second Initial Flow Pressure	<u>—</u>	PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure	<u>—</u>	PSI	(depth)		Straddle	
(G) Final Shut-In Pressure	<u>—</u>	PSI	Initial Opening	<u>15</u>	Ext. Packer	
(Q) Final Hydrostatic Mud	<u>1481</u>	PSI	Initial Shut-In	<u>30</u>	Shale Packer	

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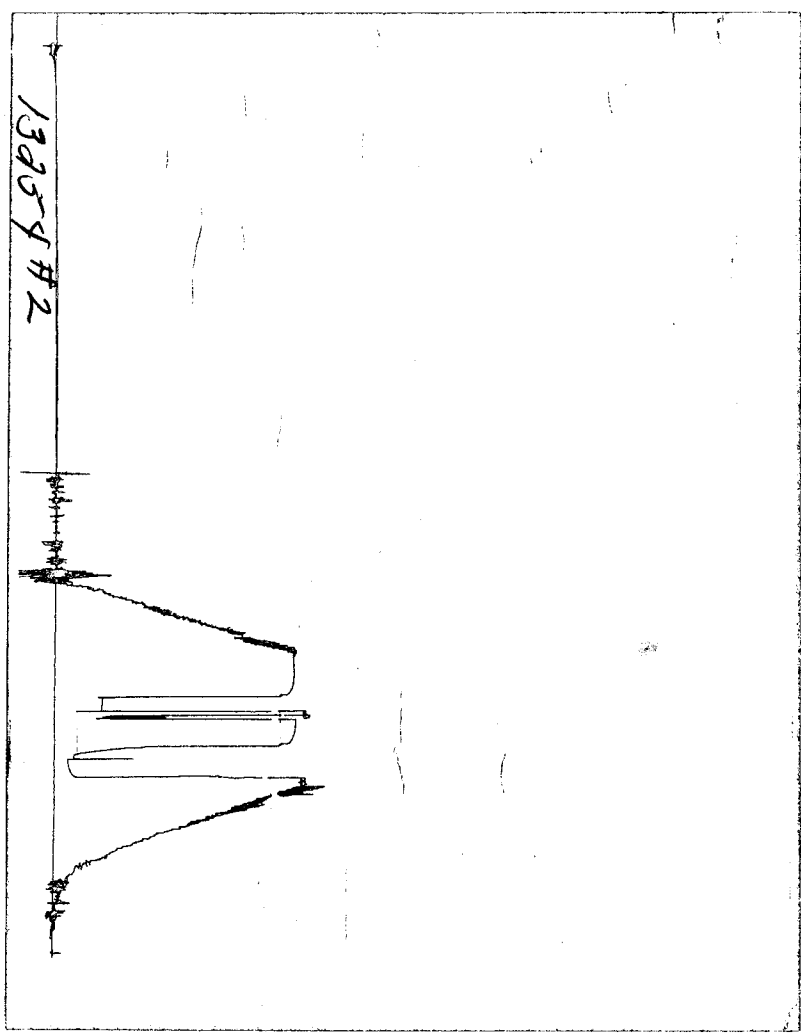
Approved By Justin Carter

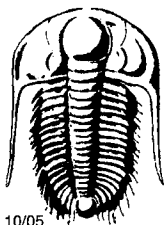
Our Representative Dan Rangle

Final Flow	<u>15</u>	Ruined Packer	
Final Shut-In	<u>30</u>	Mileage	<u>174 RT 217.50</u>
T-On Location	<u>20:00</u>	Sub Total:	<u>1642.50</u>
T-Started	<u>20:35</u>	Std. By	
T-Open	<u>22:55</u>	Acc. Chg:	<u>X</u> <u>150.00</u>
T-Pulled	<u>00:55</u>	Other:	
T-Out	<u>02:53</u>	Total:	

CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

28124

Test Ticket

Well Name & No. STumps 2-4 Test No. 3 Date 5-17-07
 Company Samuel Gary Jr & Associates Inc Zone Tested Arbuckle
 Address _____ Elevation 1782 KB 1772 GL _____
 Co. Rep / Geo. Justin Carter Rig Summit #1
 Location: Sec. 4 Twp. 18 Rge. 10 Co. Rice State Ks
 Comment: _____ Release date / time: _____

Interval Tested 3277 ————— 3287 Initial Str Wt./Lbs. 42,000 Unseated Str Wt./Lbs. 44,000
 Anchor Length 10 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 69,200
 Top Packer Depth 3277 Tool Weight 2000
 Bottom Packer Depth 3287 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3287 Wt. Pipe Run _____ Drill Collar Run 280
 Mud Wt. 9.3 LCM 2# Vis. 58 WL 8 Drill Pipe Size 4"XH Ft. Run 2976
 Blow Description I.F. Strong B-B in 15 min.

E.F. Strong B-B in 20 min.

Recovery - Total Feet 590 GIP _____ Ft. in DC 280 Ft. in DP 310
 Rec. 465 Feet of CGSyc 5 %gas 95 %oil _____ %water _____ %mud
 Rec. 125 Feet of MC Gsy C 5 %gas 55 %oil _____ %water 40 %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 BHT 109 °F Gravity _____ °API D @ _____ °F Corrected Gravity 36 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 2300 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	1668	PSI	Recorder No.	6741	Test	Straddle	1100
(B) First Initial Flow Pressure			2.3	PSI	(depth)	3278	Jars	X	250
(C) First Final Flow Pressure			114	PSI	Recorder No.	13254	Safety Jt.	X	75
(D) Initial Shut-In Pressure			1059	PSI	(depth)	3288	Circ Sub		
(E) Second Initial Flow Pressure			120	PSI	Recorder No.		Sampler		
(F) Second Final Flow Pressure			223	PSI	(depth)		Straddle	X	600
(G) Final Shut-In Pressure			1029	PSI	Initial Opening	15	Ext. Packer		
(Q) Final Hydrostatic Mud			1561	PSI	Initial Shut-In	60	Shale Packer		

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Approved By [Signature]

Our Representative Dan Dangle

Final Flow 45
 Final Shut-In 135
 T-On Location 17:00
 T-Started 18:00
 T-Open 20:26
 T-Pulled 60:41
 T-Out 03:47

Test Straddle
 Jars X
 Safety Jt. X
 Circ Sub _____
 Sampler _____
 Straddle X
 Ext. Packer _____
 Shale Packer _____
 Ruined Packer _____
 Mileage 174 RT 217.50
 Sub Total: 175
 Std. By 1.75
 Acc. Chg: X
 Other: _____
 Total: 2417.50

CHART PAGE

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