

DRILL STEM TEST REPORT

Prepared For: **George Rice**

1219 Randon Rd.
Hoisington KS 67544

ATTN: Marc Downing

15 17S 13W Barton KS

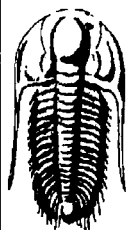
Oltmann #7

Start Date: 2006.10.21 @ 12:42:05

End Date: 2006.10.21 @ 20:57:48

Job Ticket #: 26533 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

George Rice

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15 17S 13W Barton KS

Job Ticket: 26533

DST#: 1

Test Start: 2006.10.21 @ 12:42:05

GENERAL INFORMATION:

Formation: **LKC "H-J"**

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

Time Tool Opened: 15:40:33

Time Test Ended: 20:57:48

Test Type: **Conventional Straddle**

Tester: **Brian Fairbank**

Unit No: **24**

Interval: **3266.00 ft (KB) To 3332.00 ft (KB) (TVD)**

Total Depth: **3401.00 ft (KB) (TVD)**

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

Reference Elevations: **1915.00 ft (KB)**

1910.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 6769

Inside

Press@RunDepth: **187.41 psig @ 3275.01 ft (KB)**

Start Date: **2006.10.21**

End Date:

2006.10.21

Capacity: **7000.00 psig**

Last Calib.: **2006.10.22**

Start Time: **12:42:05**

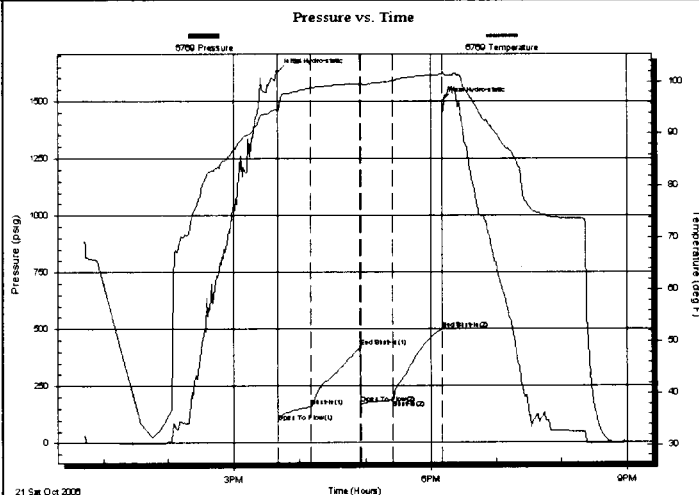
End Time:

20:57:48

Time On Btm: **2006.10.21 @ 15:40:18**

Time Off Btm: **2006.10.21 @ 18:10:33**

TEST COMMENT: IFP BOB 4 min.
ISI 4 " blow back
FFP BOB 1 min.
FSI BOB blow back 30 min.



PRESSURE SUMMARY

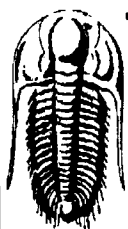
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1627.73	94.44	Initial Hydro-static
1	92.47	93.60	Open To Flow (1)
30	158.42	98.76	Shut-In (1)
75	422.13	99.67	End Shut-In (1)
76	169.09	99.58	Open To Flow (2)
105	187.41	100.14	Shut-In (2)
150	497.62	101.34	End Shut-In (2)
151	1499.75	101.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	GOCM 30%G 20%O 50%M	1.19
105.00	G FREE OIL 15%G 80%O 5%M	0.78

Gas Rates

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

George Rice

Oltmann #7

1219 Randon Rd.
Hoisington KS 67544

15 17S 13W Barton KS

Job Ticket: 26533

DST#: 1

ATTN: Marc Downing

Test Start: 2006.10.21 @ 12:42:05

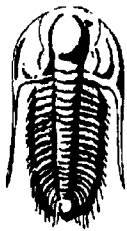
Tool Information

Drill Pipe:	Length: 3032.00 ft	Diameter: 2.76 inches	Volume: 22.44 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: 25000.00 lb
Drill Collar:	Length: 237.00 ft	Diameter: 2.25 inches	Volume: 1.17 bbl	Weight to Pull Loose: 42000.00 lb
		Total Volume:	23.61 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	3266.00 ft			Final 32000.00 lb
Depth to Bottom Packer:	3332.02 ft			
Interval between Packers:	66.02 ft			
Tool Length:	158.03 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3251.00	
Hydraulic tool	5.00			3256.00	
Packer	5.00			3261.00	20.00 Bottom Of Top Packer
Packer	5.00			3266.00	
Stubb	1.00			3267.00	
Perforations	7.00			3274.00	
Change Over Sub	1.00			3275.00	
Recorder	0.01	6769	Inside	3275.01	
Blank Spacing	30.00			3305.01	
Change Over Sub	1.00			3306.01	
Perforations	20.00			3326.01	
Recorder	0.01	13548	Outside	3326.02	
Blank Off Sub	1.00			3327.02	
Blank Spacing	5.00			3332.02	66.02 Tool Interval
Packer	5.00			3337.02	
Change Over Sub	1.00			3338.02	
Blank Spacing	62.00			3400.02	
Recorder	0.01	13760	Below	3400.03	
Bullnose	4.00			3404.03	72.01 Bottom Packers & Anchor

Total Tool Length: 158.03



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FLUID SUMMARY

George Rice

Oltmann #7

1219 Randon Rd.
Hoisington KS 67544

15 17S 13W Barton KS

Job Ticket: 26533

DST#: 1

ATTN: Marc Downing

Test Start: 2006.10.21 @ 12:42:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

40 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 41.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.96 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	GOCM 30%G 20%O 50%M	1.188
105.00	G FREE OIL 15%G 80%O 5%M	0.777

Total Length: 345.00 ft Total Volume: 1.965 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

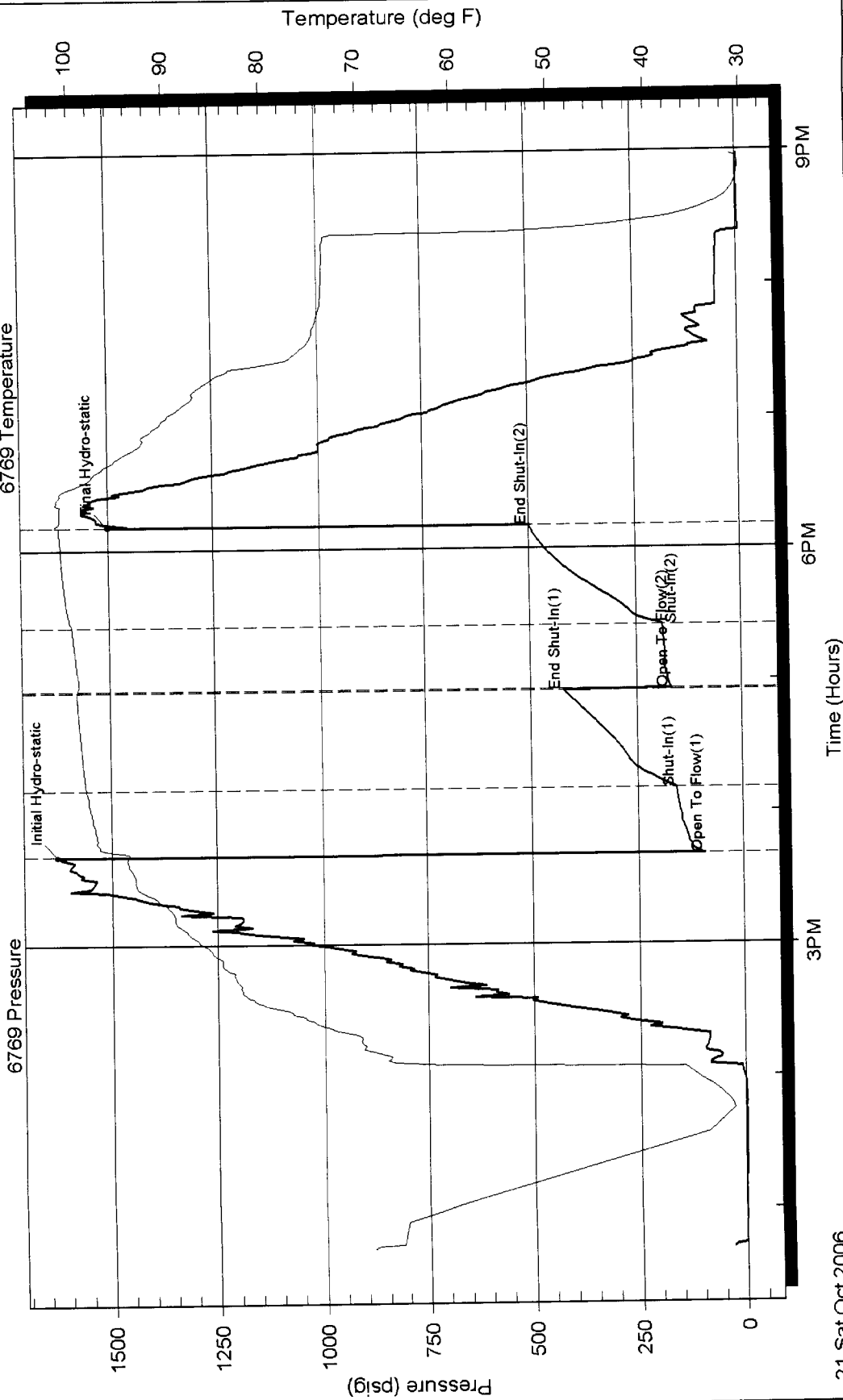
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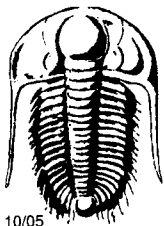
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26533

9408

Test Ticket

Well Name & No. George R Oltmann #7 Test No. 1 Date 10-21-06
 Company George Rice Zone Tested LKC "H-J"
 Address 1219 Random Rd Haisington, KJ 67544 Elevation 1915 KB 1910 GL
 Co. Rep / Geo. Marc Downing Rig Warren 10
 Location: Sec. 15 Twp. 17 Rge. 13 Co. Benton State KS
 Comment: started off bottom 2145 Release date / time: _____

Interval Tested 3266-3332 Initial Str Wt./Lbs. 30,000 Unseated Str Wt./Lbs. 32,000
 Anchor Length 66 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 42,000
 Top Packer Depth 3261 Tool Weight 2500
 Bottom Packer Depth 3266 Hole Size 7 7/8" — Rubber Size 6 3/4" —
 Total Depth 3401 Wt. Pipe Run — Drill Collar Run 237
 Mud Wt. 9.2 LCM — Vis. 41 WL 11.0 Drill Pipe Size 3 1/2 IF Ft. Run 3032

Blow Description IFP-BOB 4 min
ISI- 4" blow back
FFP- BOB 1 min
FSD- BOB blow back 30 min

Recovery - Total Feet 345 GIP 300 Ft. in DC 237 Ft. in DP 68
 Rec. 105 Feet of G Free oil 15 %gas 80 %oil %water 5 %mud
 Rec. 120 240 Feet of GOCM 30 %gas 20 %oil %water 50 %mud
 Rec. 120 Feet of _____ %gas _____ %oil %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil %water _____ %mud
 BHT _____ °F Gravity _____ °API D @ _____ °F Corrected Gravity 41 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 5000 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	1590	PSI	Recorder No.	6769	Test	✓	1100
(B) First Initial Flow Pressure			92	PSI	(depth)	3275	Jars		
(C) First Final Flow Pressure			158	PSI	Recorder No.	13548	Safety Jt.		
(D) Initial Shut-In Pressure			422	PSI	(depth)	3326	Circ Sub		
(E) Second Initial Flow Pressure			169	PSI	Recorder No.	13760	Sampler		
(F) Second Final Flow Pressure			187	PSI	(depth)	3395	Straddle	✓	600
(G) Final Shut-In Pressure			498	PSI	Initial Opening	30	Ext. Packer		
(Q) Final Hydrostatic Mud			1528	PSI	Initial Shut-In	45	Shale Packer		
					Final Flow	30	Ruined Packer		130
					Final Shut-In	45	Mileage	✓ 104	
					T-On Location	2128	Sub Total:		
					T-Started	0042	Std. By	3.5	350
					T-Open	0340	Acc. Chg:		
					T-Pulled	0610	Other:		
					T-Out	0858	Total:		\$ 2180.00

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Approved By Marc Downing
 Our Representative Brian Fairbank (Sub)

CHART PAGE

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

George Rice

Oltmann #7

OST #1

Straddle

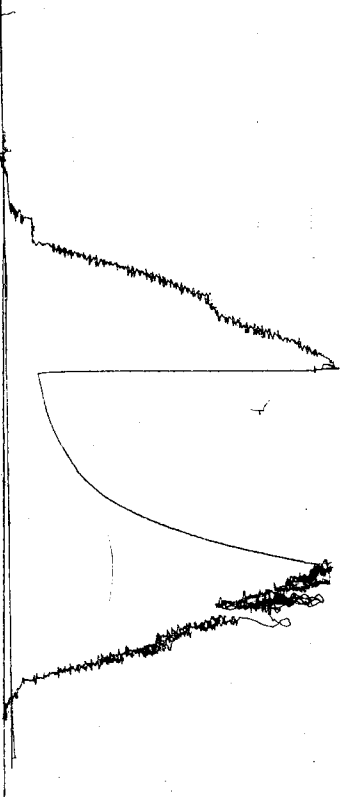


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George Rica
Oltmann #7
OST #1

