



DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

Box 352
Russell KS 67665

ATTN: John Farmer

6 9 21 Graham KS

Buss I #1

Start Date: 2006.10.21 @ 17:00:59

End Date: 2006.10.21 @ 23:25:44

Job Ticket #: 25203 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

John O Farmer Inc

Box 352
Russell KS 67665

ATTN: John Farmer

Buss I #1

6 9 21 Graham KS

Job Ticket: 25203

DST#: 1

Test Start: 2006.10.21 @ 17:00:59

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:44:29

Time Test Ended: 23:25:44

Test Type: Conventional Straddle

Tester: Dan Bangle

Unit No: 38

Interval: **3704.00 ft (KB) To 3772.00 ft (KB) (TVD)**

Total Depth: 3839.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2205.00 ft (KB)

2200.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **6741**

Inside

Press@RunDepth: 262.09 psig @ 3705.00 ft (KB)

Start Date: 2006.10.21

End Date:

2006.10.21

Capacity: 7000.00 psig

Last Calib.: 2006.10.21

Start Time: 17:01:01

End Time:

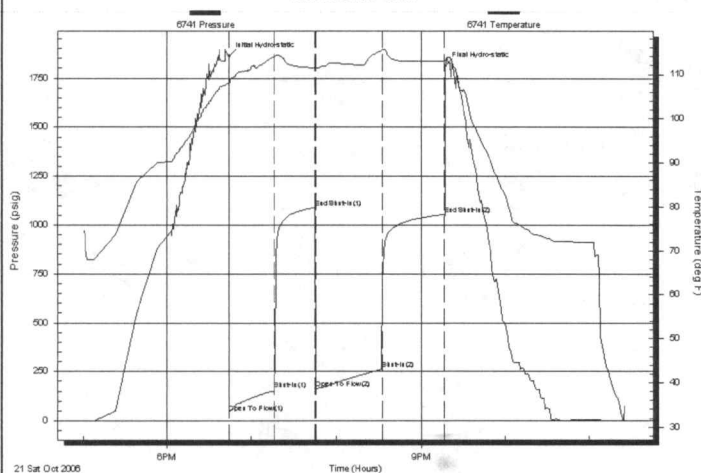
23:25:44

Time On Btm: 2006.10.21 @ 18:44:19

Time Off Btm: 2006.10.21 @ 21:17:14

TEST COMMENT: IF Strong B-B in 13 min
FF Strong B-B in 18 min
Times 30 30 45 45

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1859.30	108.01	Initial Hydro-static
1	42.55	107.71	Open To Flow (1)
33	159.27	113.93	Shut-In(1)
61	1089.29	111.49	End Shut-In(1)
61	163.35	111.34	Open To Flow (2)
108	262.09	115.30	Shut-In(2)
153	1054.46	112.97	End Shut-In(2)
153	1811.35	113.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
185.00	HOCM 40%O 60%M	1.53
560.00	Heavy O	7.86
0.00	124 GIP	0.00

Gas Rates

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

John O Farmer Inc

Buss I #1

Box 352
Russell KS 67665

6 9 21 Graham KS

Job Ticket: 25203

DST#: 1

ATTN: John Farmer

Test Start: 2006.10.21 @ 17:00:59

Tool Information

Drill Pipe:	Length: 3593.00 ft	Diameter: 3.80 inches	Volume: 50.40 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: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose:	50000.00 lb
			Total Volume: 50.98 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3704.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	3772.00 ft				
Interval between Packers:	68.00 ft				
Tool Length:	156.00 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			3684.00	
Shut In Tool	5.00			3689.00	
Hydraulic tool	5.00			3694.00	
Packer	5.00			3699.00	21.00 Bottom Of Top Packer
Packer	5.00			3704.00	
Stubb	1.00			3705.00	
Recorder	0.00	6741	Inside	3705.00	
Drill Pipe	31.00			3736.00	
Recorder	0.00	13254	Outside	3736.00	
Perforations	32.00			3768.00	
Blank Off Sub	1.00			3769.00	
Blank Spacing	3.00			3772.00	68.00 Tool Interval
Packer	2.00			3774.00	
Stubb	1.00			3775.00	
Recorder	0.00	13248	Outside	3775.00	
Perforations	3.00			3778.00	
Drill Pipe	61.00			3839.00	67.00 Bottom Packers & Anchor
Total Tool Length:		156.00			



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FLUID SUMMARY

John O Farmer Inc

Buss I #1

Box 352
Russell KS 67665

6 9 21 Graham KS

Job Ticket: 25203

DST#: 1

ATTN: John Farmer

Test Start: 2006.10.21 @ 17:00:59

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

28 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
185.00	HOCM 40%O 60%M	1.529
560.00	Heavy O	7.855
0.00	124 GIP	0.000

Total Length: 745.00 ft

Total Volume: 9.384 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

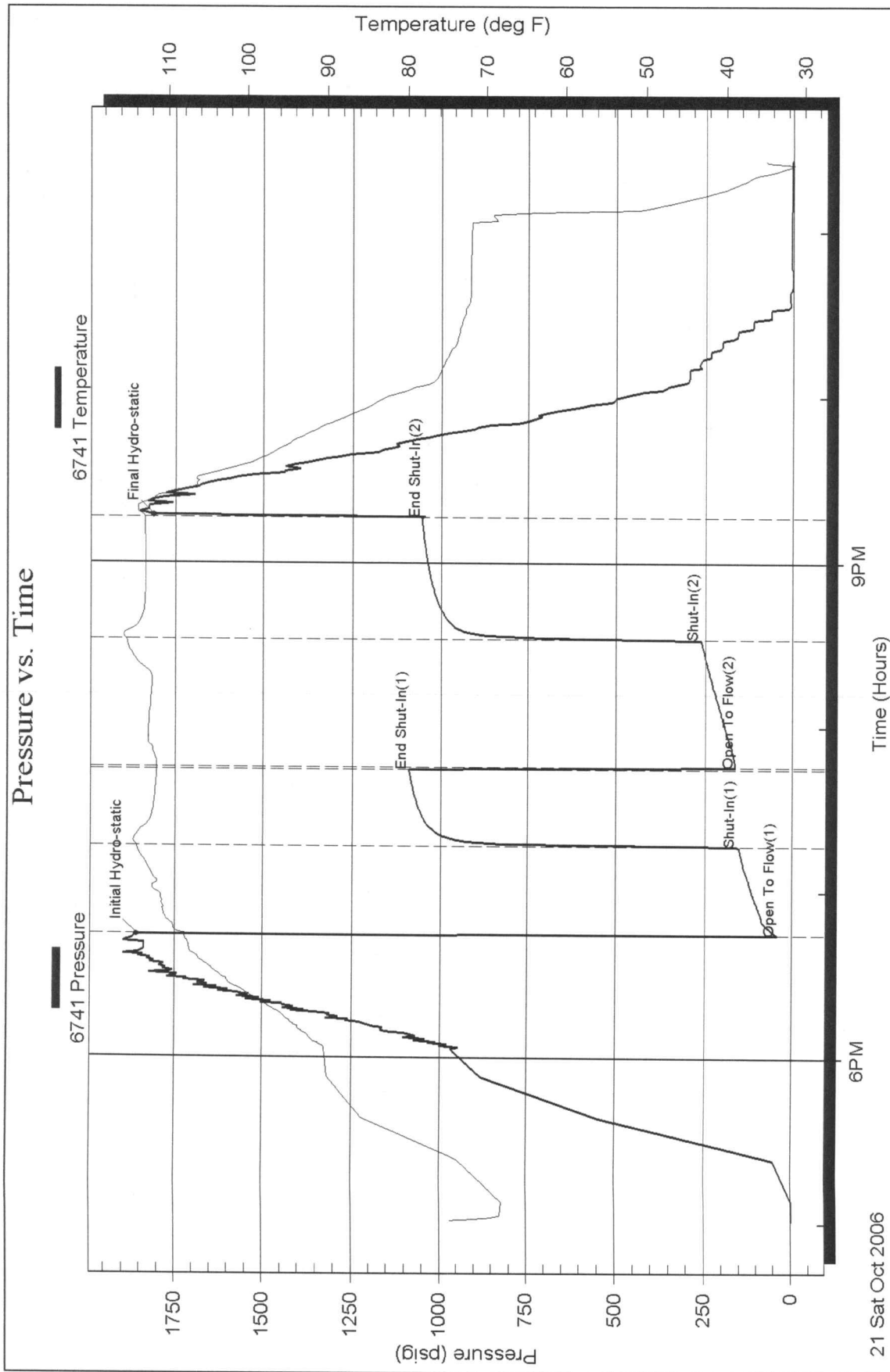
Serial #: 6741

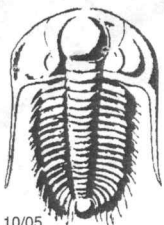
Inside

John O Farmer Inc

6 9 21 Graham KS

DST Test Number: 1





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

9409

25203

Test Ticket

Well Name & No. <u>Buss I #1</u>	Test No. <u>1</u>	Date <u>10-28-06</u>
Company <u>J.O. Farmer Inc</u>	Zone Tested <u>Arbuckle</u>	
Address <u>Box 352 Russell KS 67665</u>	Elevation <u>2205</u> KB <u>2200</u>	GL
Co. Rep / Geo. <u>Tony Richardson</u>	Rig <u>WW #6</u>	
Location: Sec. <u>6</u> Twp. <u>9</u> Rge. <u>21</u>	Co. <u>Graham</u>	State <u>KS</u>
Comment: _____		Release date / time: _____

Interval Tested 3704 ————— 3772 Initial Str Wt./Lbs. 40,000 Unseated Str Wt./Lbs. 42,000
 Anchor Length 68 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 59,000
 Top Packer Depth 3704 Tool Weight 2000
 Bottom Packer Depth 3772 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3839 Wt. Pipe Run _____ Drill Collar Run 117
 Mud Wt. 9.2 LCM _____ Vis. 58 WL 8 Drill Pipe Size 4.5 FH Ft. Run 3593
 Blow Description I.F. Strong B-B in 13 min.

F.F. Strong B-B in 18 min.

Recovery - Total Feet 745 GIP 124 Ft. in DC 117 Ft. in DP 628
 Rec. 560 Feet of H0 %gas _____ %oil _____ %water _____ %mud _____
 Rec. 18.5 Feet of HCCM %gas 40 %oil _____ %water 60 %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 112 °F Gravity _____ °API D @ _____ °F Corrected Gravity 28 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 2,000 ppm System

(A) Initial Hydrostatic Mud	<u>1889</u> PSI	Recorder No. <u>6741</u>	Test _____
(B) First Initial Flow Pressure	<u>42</u> PSI	(depth) <u>3705</u>	Jars _____
(C) First Final Flow Pressure	<u>159</u> PSI	Recorder No. <u>13204</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>1089</u> PSI	(depth) <u>3736</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>163</u> PSI	Recorder No. <u>13248</u>	Sampler _____
(F) Second Final Flow Pressure	<u>262</u> PSI	(depth) <u>3773</u>	Straddle <u>X</u>
(G) Final Shut-In Pressure	<u>1054</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1825</u> PSI	Initial Shut-In <u>30</u>	Shale Packer _____
		Final Flow <u>45</u>	Ruined Packer _____
		Final Shut-In <u>45</u>	Mileage <u>108 RT</u>
		T-On Location <u>16:00</u>	Sub Total: _____
		T-Started <u>17:00</u>	Std. By _____
		T-Open <u>18:42</u>	Acc. Chg: <u>1835</u>
		T-Pulled <u>21:12</u>	Other: _____
		T-Out <u>23:25</u>	Total: _____

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Approved By [Signature]
 Our Representative [Signature]

CHART PAGE

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

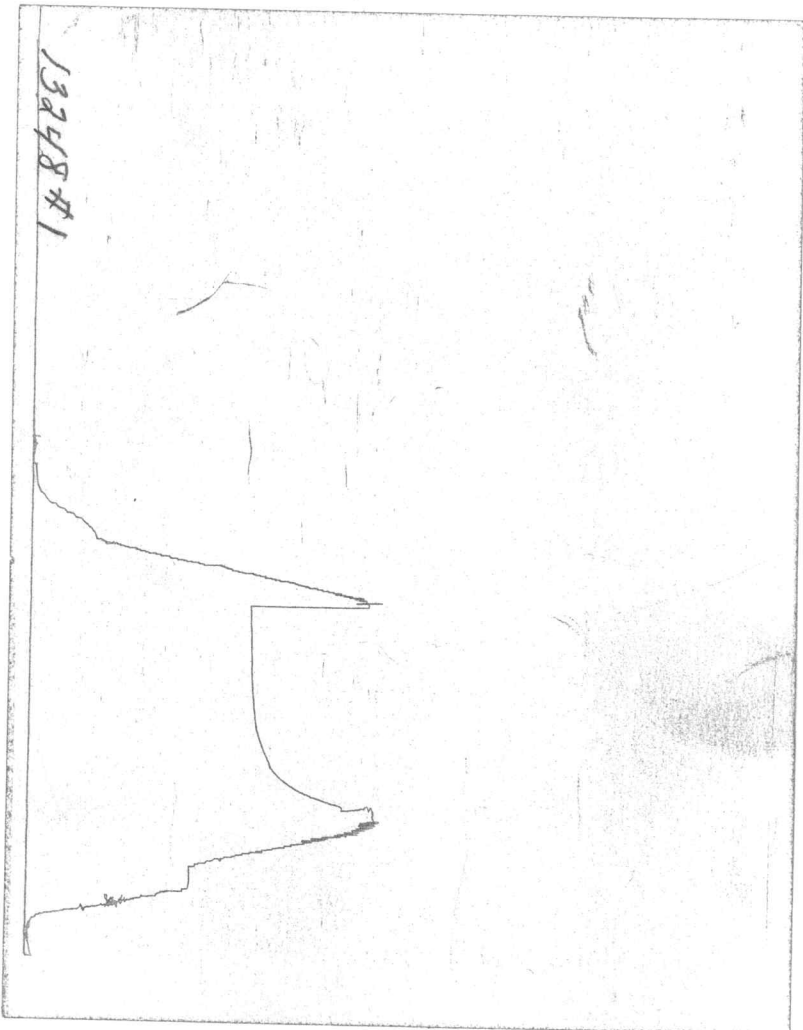


CHART PAGE

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