



DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

Box 352
Russell KS 67665

ATTN: Kent

4 31 22 Clark KS

Young Brothers A #1

Start Date: 2006.05.03 @ 18:30:45

End Date: 2006.05.04 @ 04:26:30

Job Ticket #: 22944 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: Kent

Young Brothers A #1

4 31 22 Clark KS

Job Ticket: 22944

DST#: 1

Test Start: 2006.05.03 @ 18:30:45

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:39:00

Time Test Ended: 04:26:30

Test Type: Conventional Bottom Hole

Tester: Harley Davidson

Unit No: 33

Interval: **5304.00 ft (KB) To 5342.00 ft (KB) (TVD)**

Total Depth: 5304.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Fair

Reference Elevations: 2368.00 ft (KB)

2358.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6751 Inside

Press@RunDepth: 1715.98 psig @ 5306.00 ft (KB)

Start Date: 2006.05.03

End Date:

2006.05.04

Start Time: 18:30:46

End Time:

04:26:30

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2006.05.03 @ 21:38:45

Time Off Btm: 2006.05.04 @ 01:51:30

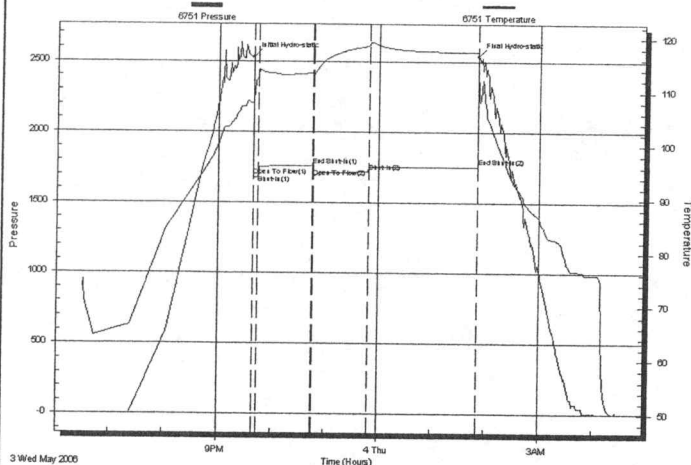
TEST COMMENT: IF Very Strong blow GTS 2"

ISI No blow back

FF Strong blow GTS ASAO

FSI No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2530.07	107.75	Initial Hydro-static
1	1685.18	107.99	Open To Flow (1)
6	1689.91	112.77	Shut-In(1)
67	1757.18	113.52	End Shut-In(1)
68	1679.56	112.75	Open To Flow (2)
131	1715.98	118.54	Shut-In(2)
253	1757.23	117.47	End Shut-In(2)
253	2537.68	115.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	100% COND	0.59

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	280.00	8971.22
Last Gas Rate	1.00	280.00	8463.65



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

Box 352

Russell KS 67665

ATTN: Kent

Young Brothers A #1

4 31 22 Clark KS

Job Ticket: 22944

DST#: 1

Test Start: 2006.05.03 @ 18:30:45

Tool Information

Drill Pipe:	Length: 5102.00 ft	Diameter: 3.80 inches	Volume: 71.57 bbl	Tool Weight:	1800.00 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: 191.00 ft	Diameter: 2.25 inches	Volume: 0.94 bbl	Weight to Pull Loose:	lb
		Total Volume:	72.51 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial	lb
Depth to Top Packer:	5304.00 ft			Final	lb
Depth to Bottom Packer:	ft				
Interval between Packers:	38.00 ft				
Tool Length:	65.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5278.00	
Shut In Tool	5.00			5283.00	
Hydraulic tool	5.00			5288.00	
Jars	5.00			5293.00	
Safety Joint	2.00			5295.00	
Packer	5.00			5300.00	27.00 Bottom Of Top Packer
Packer	4.00			5304.00	
Stubb	1.00			5305.00	
Perforations	1.00			5306.00	
Recorder	0.00	6751	Inside	5306.00	
Perforations	32.00			5338.00	
Recorder	0.00	11018	Outside	5338.00	
Bullnose	4.00			5342.00	38.00 Bottom Packers & Anchor

Total Tool Length: 65.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Young Brothers A #1

Box 352
Russell KS 67665

4 31 22 Clark KS

Job Ticket: 22944

DST#: 1

ATTN: Kent

Test Start: 2006.05.03 @ 18:30:45

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 41.00 sec/qt

Water Loss: 8.76 in³

Resistivity: ohm.m

Salinity: 11000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	100% COND	0.590

Total Length: 120.00 ft

Total Volume: 0.590 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

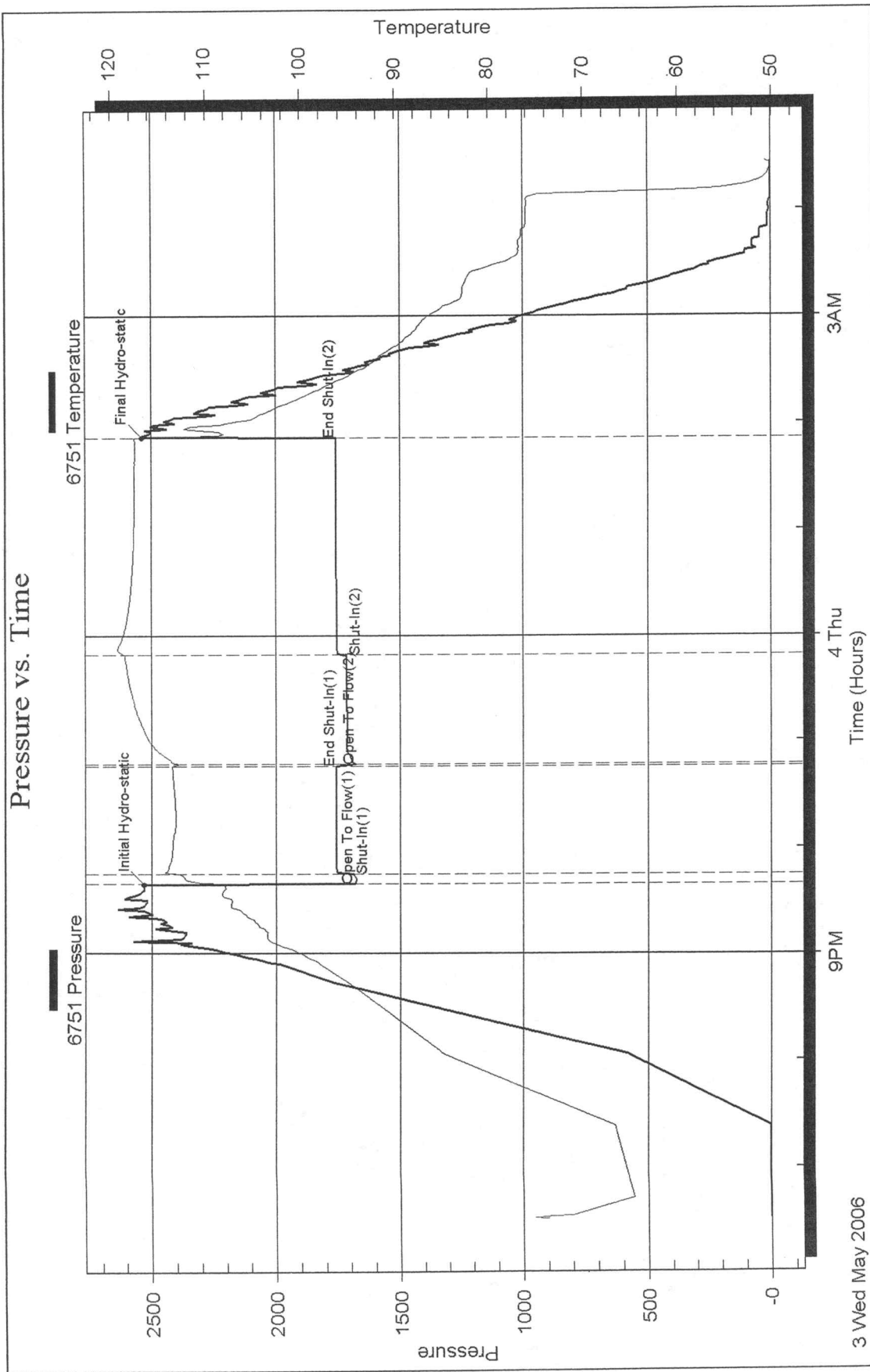
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

Box 352
Russell KS 67665

ATTN: Kent

4 31 22 Clark KS

Young Brothers A #1

Start Date: 2006.05.04 @ 13:30:21

End Date: 2006.05.05 @ 00:31:51

Job Ticket #: 22945 DST #: 2

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: Kent

Young Brothers A #1

4 31 22 Clark KS

Job Ticket: 22945

DST#: 2

Test Start: 2006.05.04 @ 13:30:21

GENERAL INFORMATION:

Formation: **L. Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:38:21

Time Test Ended: 00:31:51

Test Type: Conventional Bottom Hole

Tester: Harley Davidson

Unit No: 33

Interval: **5342.00 ft (KB) To 5362.00 ft (KB) (TVD)**

Total Depth: 5362.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Fair

Reference Elevations: 2368.00 ft (KB)

2358.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6751

Inside

Press@RunDepth: 1623.13 psig @ 5344.00 ft (KB)

Start Date: 2006.05.04

End Date:

2006.05.05

Start Time: 13:30:22

End Time:

00:31:51

Capacity: 7000.00 psig

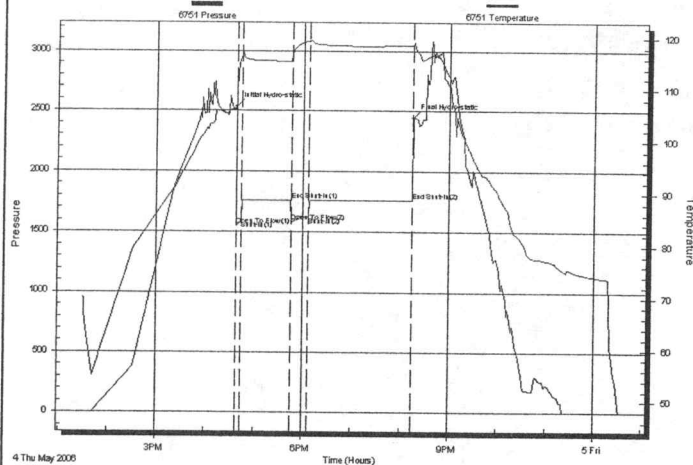
Last Calib.: 1899.12.30

Time On Btm: 2006.05.04 @ 16:37:51

Time Off Btm: 2006.05.04 @ 20:15:21

TEST COMMENT: IF Strong blow GTS 2"
ISI Never died off
FF Strong blow misting oil after 2" shut it in after 20"
FSI Never died off

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2528.50	106.08	Initial Hydro-static
1	1548.41	109.58	Open To Flow (1)
7	1589.76	116.82	Shut-In(1)
68	1758.33	115.41	End Shut-In(1)
69	1579.20	116.66	Open To Flow (2)
90	1623.13	119.44	Shut-In(2)
217	1758.27	118.60	End Shut-In(2)
218	2443.23	119.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
590.00	WG&OCM 10%W 20%G 30%O 40%M	27.00
30.00	100% W	1.96

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	280.00	8463.65
Last Gas Rate	1.00	280.00	8463.65



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

Box 352
Russell KS 67665

ATTN: Kent

Young Brothers A #1

4 31 22 Clark KS

Job Ticket: 22945

DST#: 2

Test Start: 2006.05.04 @ 13:30:21

Tool Information

Drill Pipe:	Length: 5154.00 ft	Diameter: 8.20 inches	Volume: 336.65 bbl	Tool Weight:	1800.00 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: 191.00 ft	Diameter: 2.25 inches	Volume: 0.94 bbl	Weight to Pull Loose:	85000.00 lb
		Total Volume:	337.59 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	77000.00 lb
Depth to Top Packer:	5342.00 ft			Final	82000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	20.00 ft				
Tool Length:	47.00 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			5316.00	
Shut In Tool	5.00			5321.00	
Hydraulic tool	5.00			5326.00	
Jars	5.00			5331.00	
Safety Joint	2.00			5333.00	
Packer	5.00			5338.00	27.00 Bottom Of Top Packer
Packer	4.00			5342.00	
Stubb	1.00			5343.00	
Perforations	1.00			5344.00	
Recorder	0.00	6751	Inside	5344.00	
Perforations	14.00			5358.00	
Recorder	0.00	6724	Outside	5358.00	
Bullnose	4.00			5362.00	20.00 Bottom Packers & Anchor

Total Tool Length: 47.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Young Brothers A #1

Box 352
Russell KS 67665

4 31 22 Clark KS

Job Ticket: 22945

DST#: 2

ATTN: Kent

Test Start: 2006.05.04 @ 13:30:21

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 8.00 lb/gal

Viscosity: 78.00 sec/qt

Water Loss: 7.98 in³

Resistivity: ohm.m

Salinity: 13000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

4500 ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
590.00	WG&OCM 10%W 20%G 30%O 40%M	27.001
30.00	100% W	1.960

Total Length: 620.00 ft

Total Volume: 28.961 bbl

Num Fluid Samples: 0

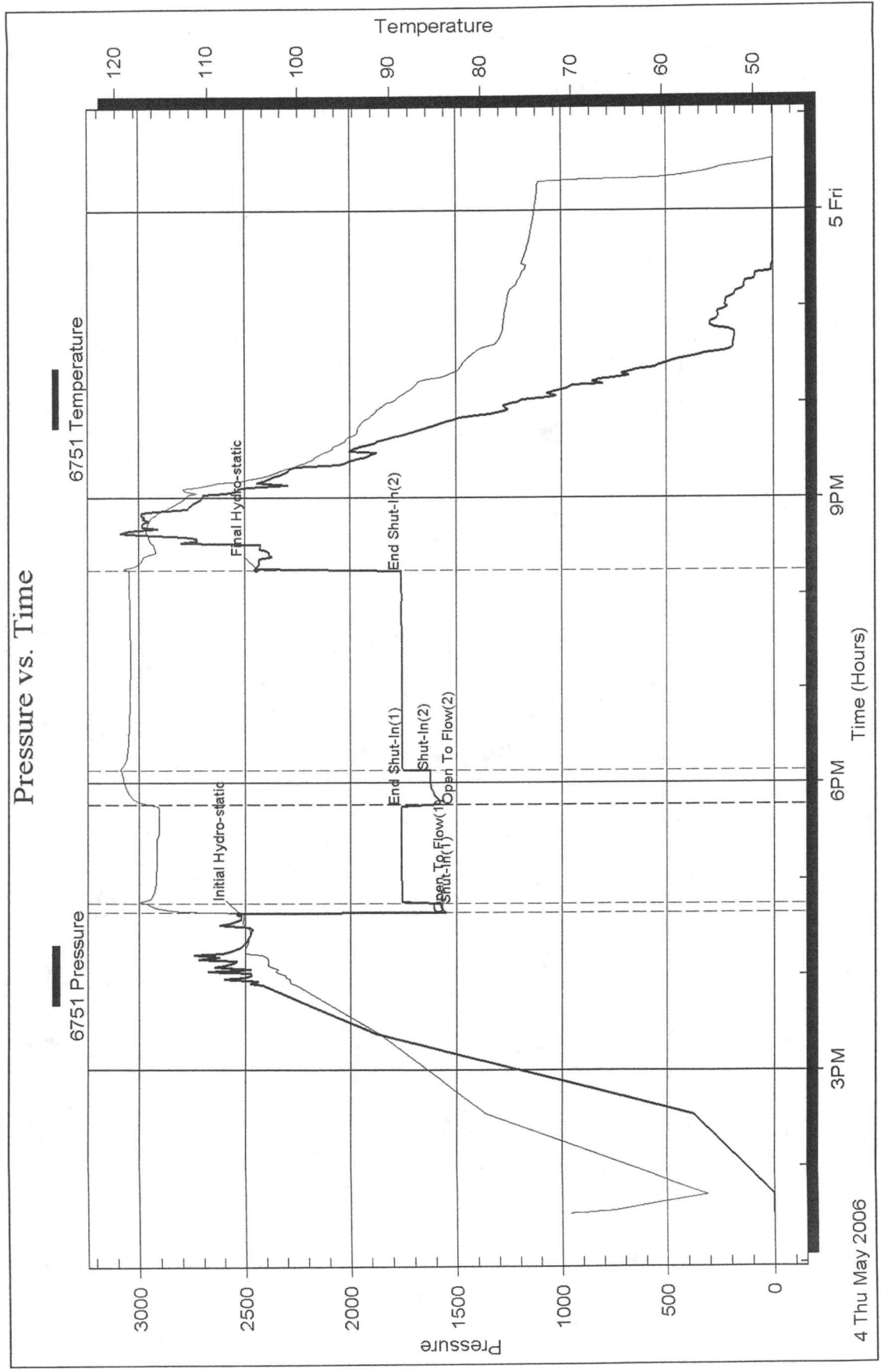
Num Gas Bombs: 0

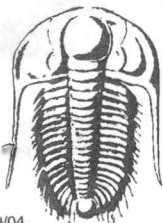
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 22944

Test Ticket

Well Name & No. Young Brothers A #1 Test No. 1 Date 5-3-06
 Company John O Farmer Inc Zone Tested Morrow
 Address Box 352 Russell KS 67665 Elevation 2368 KB 2358 GL
 Co. Rep / Geo. Kent Cont. Val-2 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 4 Twp. 31 Rge. 22 Co. Clark State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 5304 - 5342 Initial Str Wt./Lbs. 77K Unseated Str Wt./Lbs. 77K
 Anchor Length 38 Wt. Set Lbs. 25K Wt. Pulled Loose/Lbs. 80K
 Top Packer Depth 5299 Tool Weight 1800
 Bottom Packer Depth 5304 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 5342 Wt. Pipe Run 0 Drill Collar Run 191
 Mud Wt. 9.2 LCM 1.5 Vis. 14 WL 8.8 Drill Pipe Size 4.5xH Ft. Run 5304
 Blow Description IF - Strong blow, GTS 2m
ISI - No blow back
FF - Strong blow GTS ASAO
FSI - No blow back

Recovery - Total Feet 120 GIP _____ Ft. in DC _____ Ft. in DP _____
 Rec. 120 Feet of 100% cond. %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 _____ °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 11000 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	2532	PSI	Recorder No.	6571	Test -	1200 ⁰⁰
(B) First Initial Flow Pressure			1685	PSI	(depth)	5306	Jars -	250 ⁰⁰
(C) First Final Flow Pressure			1689	PSI	Recorder No.	11018	Safety Jt. -	50 ⁰⁰
(D) Initial Shut-In Pressure			1757	PSI	(depth)	5342	Circ Sub	
(E) Second Initial Flow Pressure			1680	PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure			1716	PSI	(depth)		Straddle	
(G) Final Shut-In Pressure			1757	PSI	Initial Opening	5	Ext. Packer	
(Q) Final Hydrostatic Mud			2538	PSI	Initial Shut-In	60	Shale Packer	

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.

Approved By _____

Our Representative Harley Davis

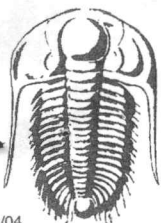
Final Flow 60
 Final Shut-In 120
 T-On Location 430 AM
 T-Started 630 PM
 T-Open 930 PM
 T-Pulled 145 AM
 T-Out 430
 Mileage 160 200⁰⁰
 Sub Total: 1725
 Std. By 2 = 100⁰⁰
 Other _____
 Total: 1800⁰⁰
\$1825



GAS VOLUME REPORT

1
DST NO

Remarks:



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 22945

Test Ticket

Well Name & No. Hong Brothers Inc. A #1 Test No. 2 Date 5-4-06
 Company John O Farner Inc. Zone Tested L. Morrow
 Address Box 352 Russell Ks. 67665 Elevation 2368 KB 2358 GL
 Co. Rep / Geo. Kent Cont. Val. #2 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 4 Twp. 31 Rge. 22 Co. Clark State Ks.
 No. of Copies _____ Disbtribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 5342 5362 Initial Str Wt./Lbs. 25K Unseated Str Wt./Lbs. 82K
 Anchor Length 20 Wt. Set Lbs. 77K Wt. Pulled Loose/Lbs. 85K
 Top Packer Depth 5337 Tool Weight 1800
 Bottom Packer Depth 5342 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 5362 Wt. Pipe Run 65 Drill Collar Run 191
 Mud Wt. 8.5 LCM 1 Vis. 78 WL 8.0 Drill Pipe Size 45XH Ft. Run 5154
 Blow Description IF - Strong blow GTS 2min
ISI - Never died off.
FF - Started misting oil to surface 2min. shut in after 20min.
FST - Never died off, "still off bottom and more."

Recovery - Total Feet 620 GIP _____ Ft. in DC _____ Ft. in DP _____
 Rec. 590 Feet of W600CM 20 %gas 30 %oil 10 %water 40 %mud
 Rec. 30 Feet of W %gas %oil 100 %water %mud
 Rec. _____ 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 _____ °API
 RW 1.80 @ 50 °F Chlorides 4500 ppm Recovery _____ Chlorides 13000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>2546</u>	PSI	<u>6571</u>	<u>1200° 1200</u>
(B) First Initial Flow Pressure	<u>1548</u>	PSI	(depth)	Jars <u>250° 250</u>
(C) First Final Flow Pressure	<u>1590</u>	PSI	Recorder No. <u>11018</u>	Safety Jt. <u>500° 75</u>
(D) Initial Shut-In Pressure	<u>1758</u>	PSI	(depth)	Circ Sub _____
(E) Second Initial Flow Pressure	<u>1579</u>	PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>1623</u>	PSI	(depth)	Straddle _____
(G) Final Shut-In Pressure	<u>1758</u>	PSI	Initial Opening <u>5</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>2804</u>	PSI	Initial Shut-In <u>60</u>	Shale Packer _____

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.

Approved By _____

Our Representative Barry Fandora

Final Flow 20
 Final Shut-In 120
 T-On Location 1230 PM
 T-Started 130 PM
 T-Open 430 PM
 T-Pulled 745 PM
 T-Out 1230 AM

Mileage 160 2000° 900
 Sub Total: 1725
 Std. By 2 = 100° 120
 Other _____
 Total: 1800°
\$ 1825



GAS VOLUME REPORT

2
DST NO.

2nd Flow

Remarks:

CHART PAGE

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

