



## DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company Inc**

250 N Water Ste. 300  
Wichita KS 67202

ATTN: Dan Blankenan

**8-5s-24w-Norton**

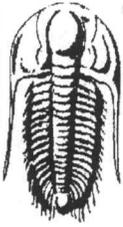
**Nelson #2-8**

Start Date: 2006.01.07 @ 16:13:34

End Date: 2006.01.07 @ 22:47:19

Job Ticket #: 24629                      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

Murfin Drilling Company Inc

250 N Water Ste. 300  
Wichita KS 67202

ATTN: Dan Blankenan

**Nelson #2-8**

**8-5s-24w-Norton**

Job Ticket: 24629

DST#: 1

Test Start: 2006.01.07 @ 16:13:34

### GENERAL INFORMATION:

Formation: **Toronto**

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

Time Tool Opened: 17:38:49

Time Test Ended: 22:47:19

Test Type: **Conventional Bottom Hole**

Tester: **Jason McLemore**

Unit No: **32**

Interval: **3486.00 ft (KB) To 3523.00 ft (KB) (TVD)**

Reference Elevations: **2425.00 ft (KB)**

Total Depth: **3523.00 ft (KB) (TVD)**

**2420.00 ft (CF)**

Hole Diameter: **7.80 inches** Hole Condition: **Good**

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

**Serial #: 6741** **Inside**

Press@RunDepth: **20.19 psig @ 3490.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2006.01.07**

End Date: **2006.01.07**

Last Calib.: **2006.01.07**

Start Time: **16:13:36**

End Time: **22:47:19**

Time On Btrn: **2006.01.07 @ 17:38:04**

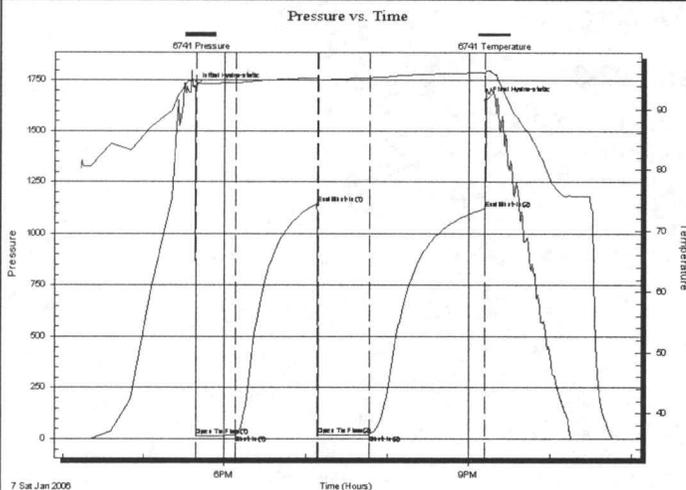
Time Off Btrn: **2006.01.07 @ 21:12:19**

TEST COMMENT: **IFP-WeakBlow, 1/8"**

**ISI-Dead**

**FFP-Dead**

**FSI-Dead**



### PRESSURE SUMMARY

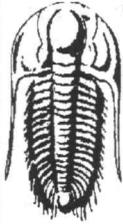
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1718.03	94.80	Initial Hydro-static
1	14.38	94.45	Open To Flow (1)
30	16.32	94.43	Shut-In(1)
91	1145.28	95.25	End Shut-In(1)
91	18.34	95.01	Open To Flow (2)
129	20.19	95.26	Shut-In(2)
214	1121.47	96.15	End Shut-In(2)
215	1653.41	96.43	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Murfin Drilling Company Inc  
250 N Water Ste. 300  
Wichita KS 67202  
ATTN: Dan Blankenan

**Nelson #2-8**  
**8-5s-24w-Norton**  
Job Ticket: 24629      **DST#: 1**  
Test Start: 2006.01.07 @ 16:13:34

### Tool Information

Drill Pipe:	Length: 2993.00 ft	Diameter: 3.80 inches	Volume: 41.98 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 489.00 ft	Diameter: 2.25 inches	Volume: 2.40 bbl	Weight to Pull Loose: 76000.00 lb
			<u>Total Volume: 44.38 bbl</u>	Tool Chased: 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	3486.00 ft			Final 76000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	37.00 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			3459.00	
Shut In Tool	5.00			3464.00	
Hydraulic tool	5.00			3469.00	
Jars	5.00			3474.00	
Safety Joint	2.00			3476.00	
Packer	5.00			3481.00	28.00      Bottom Of Top Packer
Packer	5.00			3486.00	
Stubb	1.00			3487.00	
Perforations	3.00			3490.00	
Recorder	0.00	6741	Inside	3490.00	
Perforations	30.00			3520.00	
Recorder	0.00	13221	Outside	3520.00	
Bullnose	3.00			3523.00	37.00      Bottom Packers & Anchor

**Total Tool Length: 65.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company Inc

**Nelson #2-8**

250 N Water Ste. 300  
Wichita KS 67202

**8-5s-24w-Norton**

Job Ticket: 24629

**DST#: 1**

ATTN: Dan Blankenan

Test Start: 2006.01.07 @ 16:13:34

## 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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.79 in<sup>3</sup>

Gas Cushion Type:

Gas Cushion Pressure:

psig

Resistivity: ohm.m

Salinity: 1600.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl

Total Length: ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6741

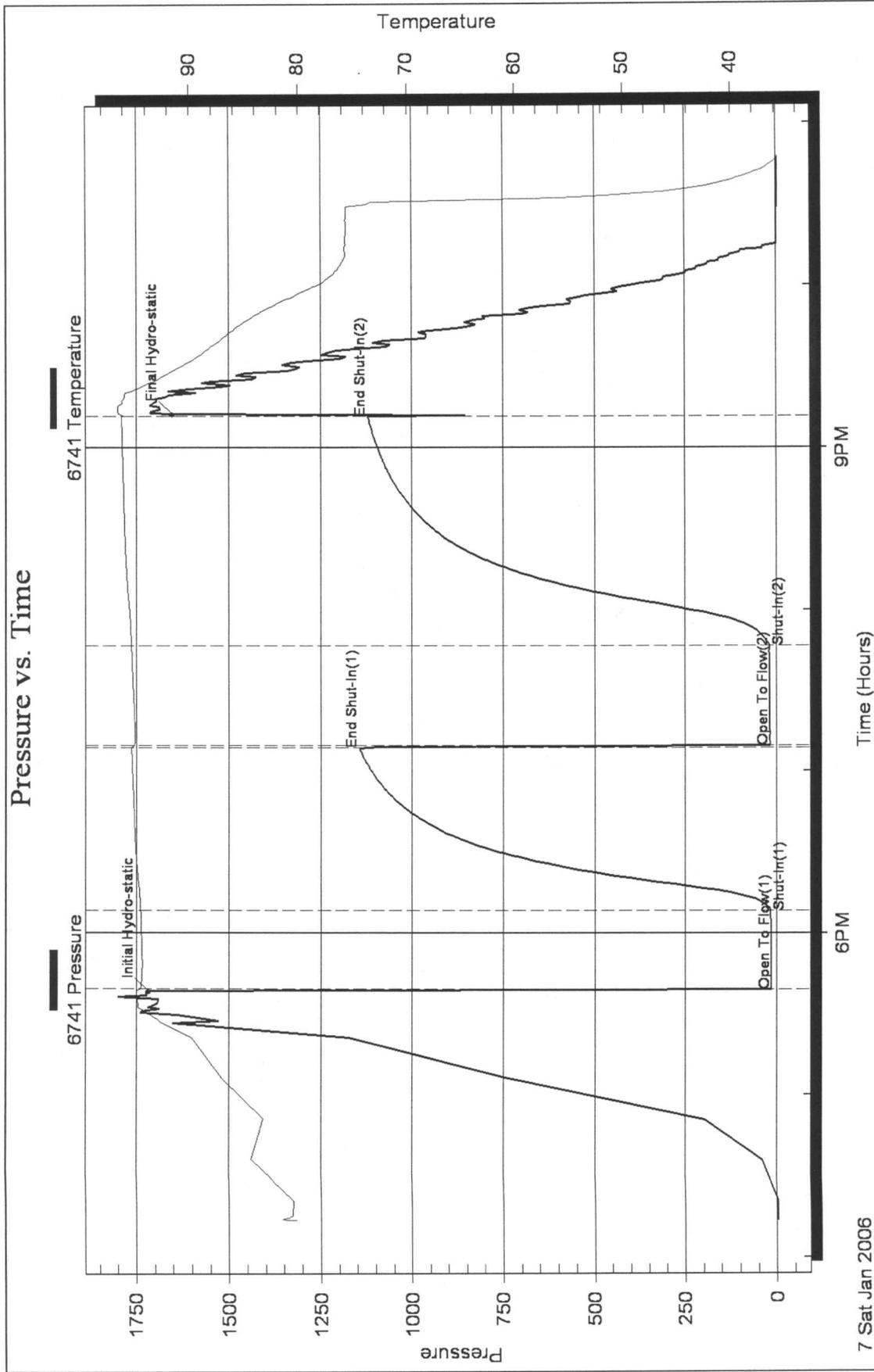
Inside

Murfin Drilling Company Inc

8-5s-24w -Norton

DST Test Number: 1

### Pressure vs. Time



7 Sat Jan 2006

6PM

9PM

Time (Hours)



## DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company Inc**

250 N Water Ste. 300  
Wichita KS 67202

ATTN: Dan Blankenan

**8-5s-24w-Norton**

**Nelson #2-8**

Start Date: 2006.01.08 @ 10:27:06

End Date: 2006.01.08 @ 17:21:51

Job Ticket #: 24630                      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

Murfin Drilling Company Inc

250 N Water Ste. 300  
Wichita KS 67202

ATTN: Dan Blankenan

**Nelson #2-8**

**8-5s-24w-Norton**

Job Ticket: 24630

DST#: 2

Test Start: 2006.01.08 @ 10:27:06

## GENERAL INFORMATION:

Formation: "D-E-F"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:09:06

Time Test Ended: 17:21:51

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: 3545.00 ft (KB) To 3604.00 ft (KB) (TVD)

Total Depth: 3523.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2425.00 ft (KB)

2420.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 6741** Inside

Press@RunDepth: 93.27 psig @ 3549.00 ft (KB)

Start Date: 2006.01.08

End Date: 2006.01.08

Start Time: 10:27:08

End Time: 17:21:51

Capacity: 7000.00 psig

Last Calib.: 2006.01.08

Time On Btm: 2006.01.08 @ 12:08:51

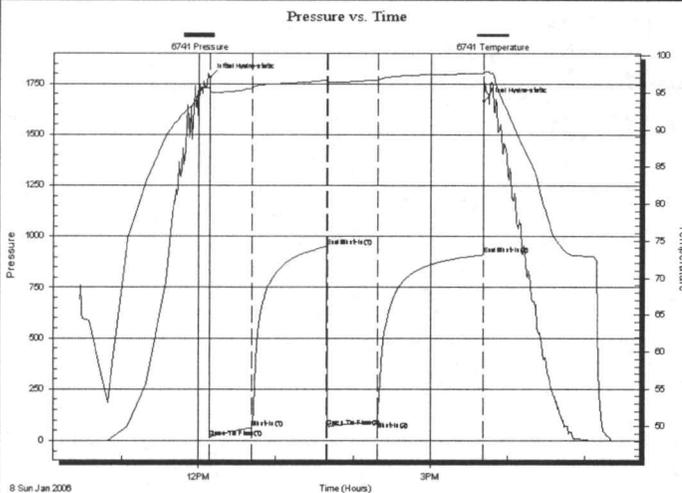
Time Off Btm: 2006.01.08 @ 15:41:21

TEST COMMENT: IFP-Weak Blow ,Built to 3-1/2"

ISI-Dead

FFP-Weak Blow ,Built to 1"

FSI-Dead



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1780.70	95.60	Initial Hydro-static
1	16.57	95.21	Open To Flow (1)
33	63.28	95.64	Shut-In(1)
91	951.50	96.65	End Shut-In(1)
91	68.21	96.41	Open To Flow (2)
130	93.27	96.72	Shut-In(2)
212	910.41	97.55	End Shut-In(2)
213	1664.50	97.72	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	VSOCM-5%O-95%M	0.05
130.00	Watery Mud-40%W-60%M	0.64

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company Inc

**Nelson #2-8**

250 N Water Ste. 300  
Wichita KS 67202

**8-5s-24w-Norton**

Job Ticket: 24630

**DST#: 2**

ATTN: Dan Blankenan

Test Start: 2006.01.08 @ 10:27:06

### Tool Information

Drill Pipe:	Length: 3054.00 ft	Diameter: 3.80 inches	Volume: 42.84 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 489.00 ft	Diameter: 2.25 inches	Volume: 2.40 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 45.24 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	3545.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	59.00 ft			
Tool Length:	87.00 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			3518.00	
Shut In Tool	5.00			3523.00	
Hydraulic tool	5.00			3528.00	
Jars	5.00			3533.00	
Safety Joint	2.00			3535.00	
Packer	5.00			3540.00	28.00 Bottom Of Top Packer
Packer	5.00			3545.00	
Stubb	1.00			3546.00	
Perforations	2.00			3548.00	
Change Over Sub	1.00			3549.00	
Recorder	0.00	6741	Inside	3549.00	
Blank Spacing	31.00			3580.00	
Change Over Sub	1.00			3581.00	
Perforations	20.00			3601.00	
Recorder	0.00	13221	Outside	3601.00	
Bullnose	3.00			3604.00	59.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>87.00</b>				



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**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Murfin Drilling Company Inc

**Nelson #2-8**

250 N Water Ste. 300  
Wichita KS 67202

**8-5s-24w-Norton**

Job Ticket: 24630

**DST#: 2**

ATTN: Dan Blankenan

Test Start: 2006.01.08 @ 10:27:06

**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:

8500 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 2.00 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
10.00	VSOCM-5%O-95%M	0.049
130.00	Watery Mud-40%W-60%M	0.639

Total Length: 140.00 ft      Total Volume: 0.688 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

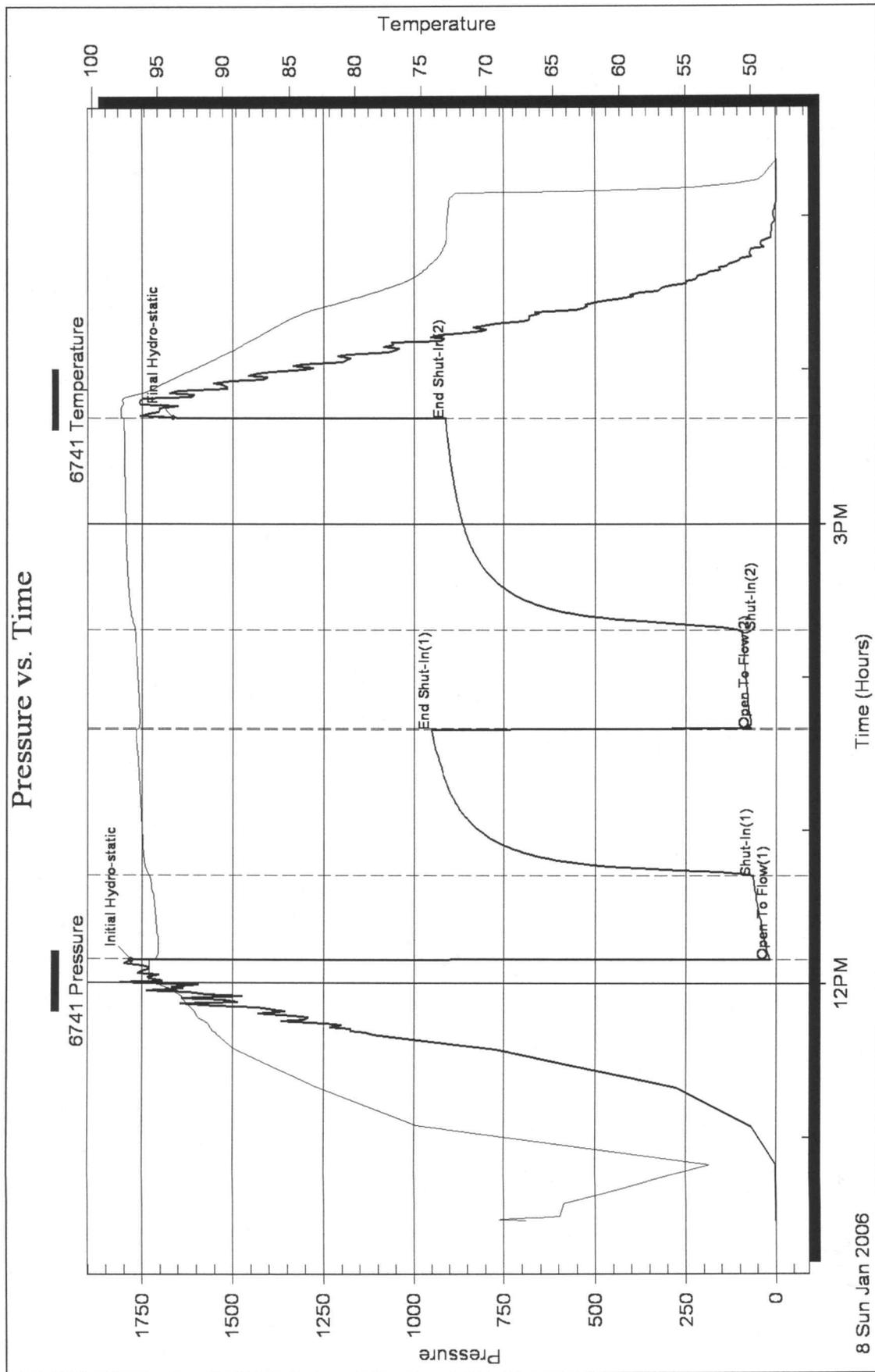
Serial #:

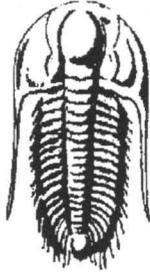
Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time





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## DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company Inc**

250 N Water Ste. 300  
Wichita KS 67202

ATTN: Dan Blankenan

**8-5s-24w-Norton**

**Nelson #2-8**

Start Date: 2006.01.09 @ 05:11:07

End Date: 2006.01.09 @ 12:28:52

Job Ticket #: 24631                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Murfin Drilling Company Inc

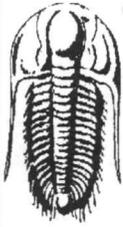
Nelson #2-8

8-5s-24w-Norton

DST # 3

LKC G-L

2006.01.09



**TRILOBITE  
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# DRILL STEM TEST REPORT

Murfin Drilling Company Inc

**Nelson #2-8**

250 N Water Ste. 300  
Wichita KS 67202

**8-5s-24w-Norton**

ATTN: Dan Blankenan

Job Ticket: 24631

**DST#: 3**

Test Start: 2006.01.09 @ 05:11:07

## GENERAL INFORMATION:

Formation: **LKC G-L**

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

Time Tool Opened: 07:09:07

Time Test Ended: 12:28:52

Test Type: **Conventional Bottom Hole**

Tester: **Michael Armbrister**

Unit No: **32**

Interval: **3603.00 ft (KB) To 3712.00 ft (KB) (TVD)**

Total Depth: **3712.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Fair**

Reference Elevations: **2425.00 ft (KB)**

**2420.00 ft (CF)**

KB to GRVCF: **5.00 ft**

**Serial #: 6741**

**Inside**

Press@RunDepth: **46.65 psig @ 3606.00 ft (KB)**

Start Date: **2006.01.09**

End Date: **2006.01.09**

Start Time: **05:11:09**

End Time: **12:28:52**

Capacity: **7000.00 psig**

Last Calib.: **2006.01.09**

Time On Btm: **2006.01.09 @ 07:08:52**

Time Off Btm: **2006.01.09 @ 10:06:22**

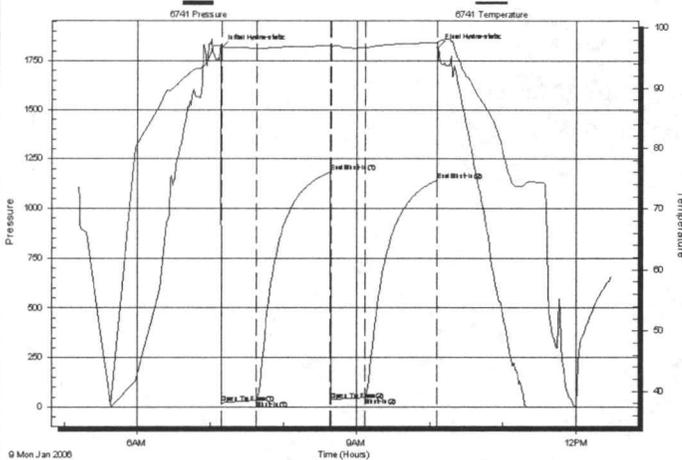
TEST COMMENT: **IF- Built to 3/8"**

**IS- No blow**

**FF- No blow**

**FSI- No Blow**

Pressure vs. Time



## PRESSURE SUMMARY

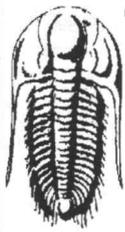
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1812.83	97.14	Initial Hydro-static
1	18.81	96.83	Open To Flow (1)
29	32.20	96.49	Shut-In(1)
90	1183.38	97.02	End Shut-In(1)
90	33.96	96.59	Open To Flow (2)
119	46.65	96.73	Shut-In(2)
177	1141.97	97.50	End Shut-In(2)
178	1815.90	97.60	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	Drilling mud	0.07

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Murfin Drilling Company Inc

**Nelson #2-8**

250 N Water Ste. 300  
Wichita KS 67202

**8-5s-24w-Norton**

Job Ticket: 24631

**DST#: 3**

ATTN: Dan Blankenan

Test Start: 2006.01.09 @ 05:11:07

### Tool Information

Drill Pipe:	Length: 3112.00 ft	Diameter: 3.80 inches	Volume: 43.65 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 489.00 ft	Diameter: 2.25 inches	Volume: 2.40 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 46.05 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	3603.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	109.00 ft			
Tool Length:	137.00 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			3576.00	
Shut In Tool	5.00			3581.00	
Hydraulic tool	5.00			3586.00	
Jars	5.00			3591.00	
Safety Joint	2.00			3593.00	
Packer	5.00			3598.00	28.00 Bottom Of Top Packer
Packer	5.00			3603.00	
Stubb	1.00			3604.00	
Perforations	2.00			3606.00	
Recorder	0.00	6741	Inside	3606.00	
Change Over Sub	1.00			3607.00	
Drill Pipe	93.00			3700.00	
Change Over Sub	1.00			3701.00	
Perforations	8.00			3709.00	
Recorder	0.00	13221	Outside	3709.00	
Bullnose	3.00			3712.00	109.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>137.00</b>				



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## DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company Inc

**Nelson #2-8**

250 N Water Ste. 300  
Wichita KS 67202

**8-5s-24w-Norton**

Job Ticket: 24631

**DST#: 3**

ATTN: Dan Blankenan

Test Start: 2006.01.09 @ 05:11:07

### 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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 2.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Drilling mud	0.074

Total Length: 15.00 ft

Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

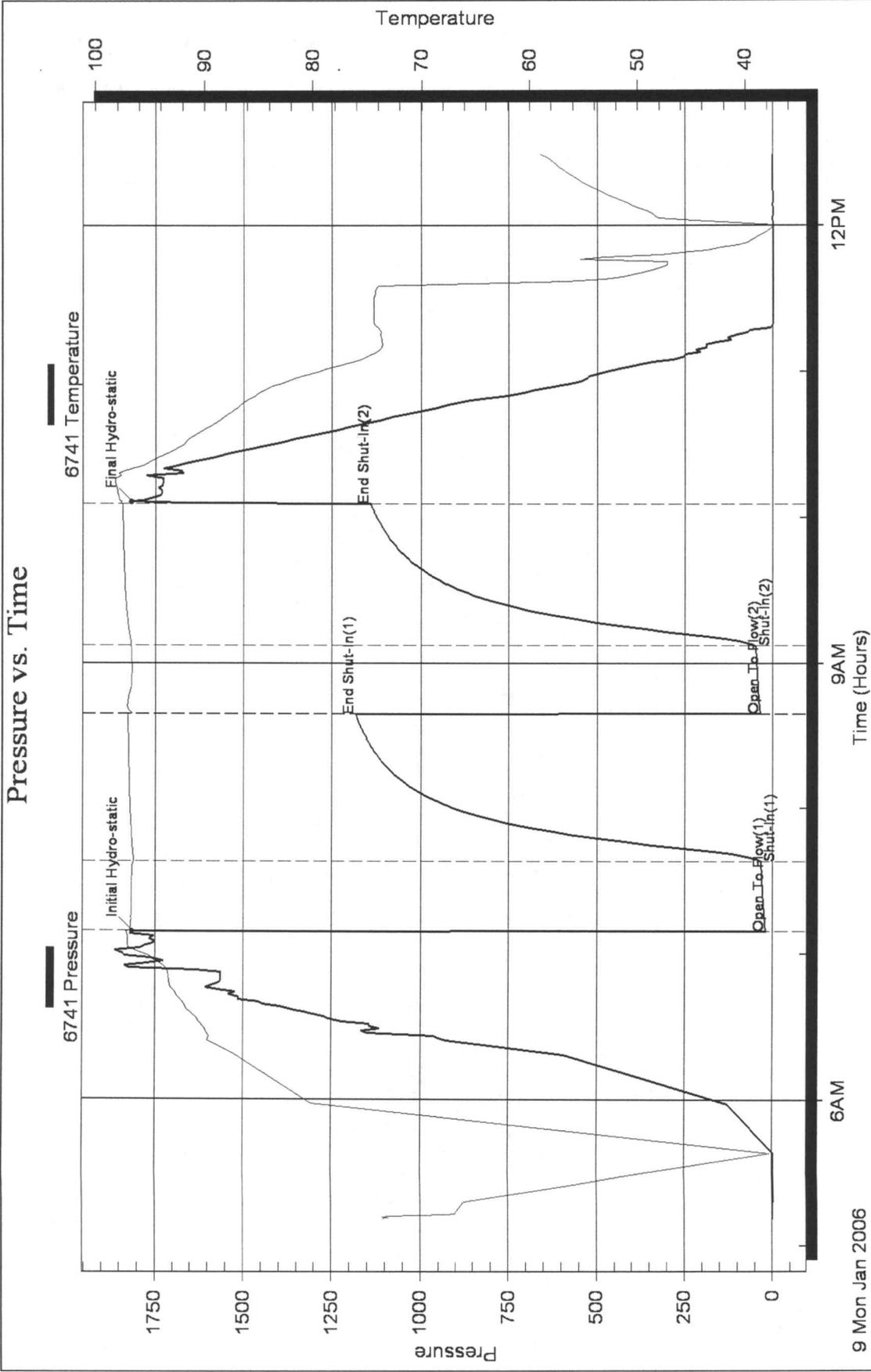
Serial #:

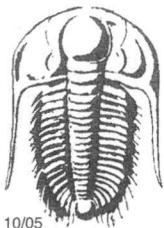
Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

*INW 8299*

No 24629

## Test Ticket

Well Name & No. Nelson # 2-8 Test No. 1 Date 1-7-06  
 Company Murfin Drilling Company, Inc. Zone Tested Toronto  
 Address 250 N. Water, Wichita, KS 67202 Elevation 2425 KB 2420 GL  
 Co. Rep / Geo. Dan Blankenan Rig Murfin # 3  
 Location: Sec. 8 Twp. 5s Rge. 24w Co. Norton State Ks  
 Comment: \_\_\_\_\_ Release date / time: \_\_\_\_\_

Interval Tested 3486 - 3523 Initial Str Wt./Lbs. 76,000 Unseated Str Wt./Lbs. 76,000  
 Anchor Length 37' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 76,000  
 Top Packer Depth 3481 Tool Weight 2200  
 Bottom Packer Depth 3486 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓  
 Total Depth 3523 Wt. Pipe Run 0 Drill Collar Run 489  
 Mud Wt. 9.0 LCM 0 Vis. 51 WL 6.8 Drill Pipe Size 4 1/2 XH Ft. Run 2993  
 Blow Description IFP - Weak Blow, 1/8"  
ISI - Dead  
FFP - Dead  
FSI - Dead

Recovery - Total Feet 15 GIP \_\_\_\_\_ Ft. in DC 15 Ft. in DP \_\_\_\_\_  
 Rec. 15 Feet of OCM %gas 20 %oil \_\_\_\_\_ %water 80 %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 96° °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery \_\_\_\_\_ Chlorides 1600 ppm System

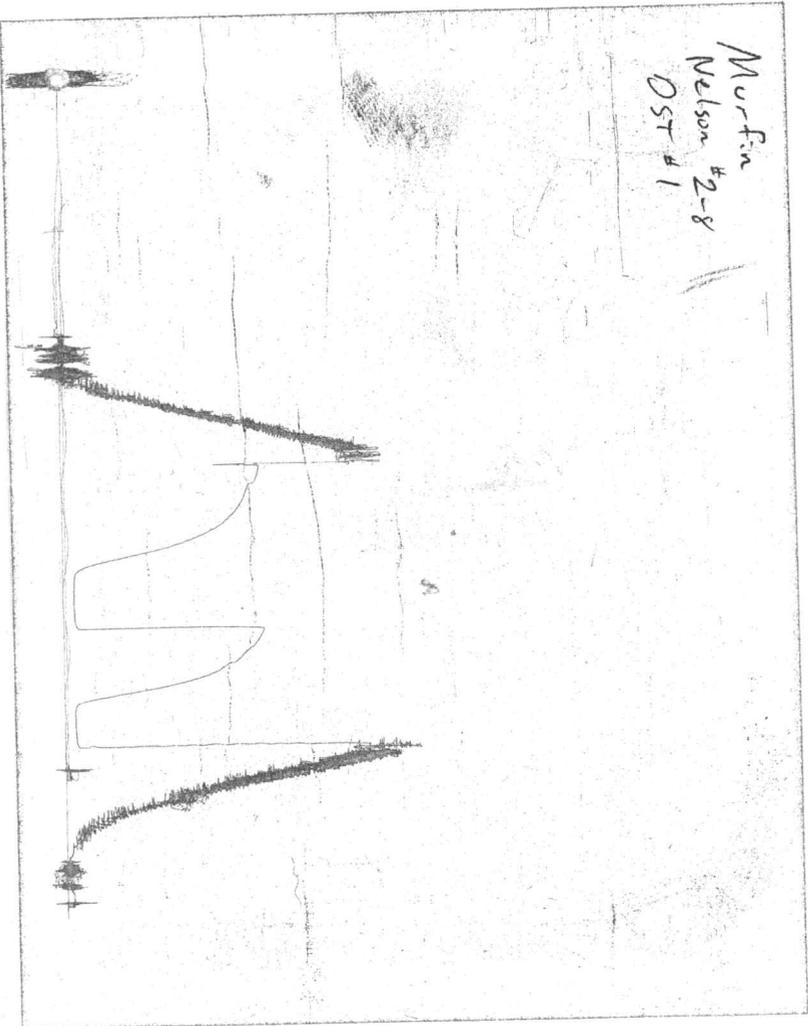
	AK-1	Alpine	Recorder No.	Test	
(A) Initial Hydrostatic Mud	<u>1718</u>	PSI	<u>6741</u>	<u>1000</u>	
(B) First Initial Flow Pressure	<u>14</u>	PSI	(depth) <u>3490</u>	<u>Jars</u>	<u>200</u>
(C) First Final Flow Pressure	<u>16</u>	PSI	Recorder No. <u>13221</u>	<u>Safety J</u>	<u>50</u>
(D) Initial Shut-In Pressure	<u>1145</u>	PSI	(depth) <u>3520</u>	Circ Sub	_____
(E) Second Initial Flow Pressure	<u>18</u>	PSI	Recorder No. _____	Sampler	_____
(F) Second Final Flow Pressure	<u>20</u>	PSI	(depth) _____	Straddle	_____
(G) Final Shut-In Pressure	<u>1121</u>	PSI	Initial Opening <u>30</u>	Ext. Packer	_____
(Q) Final Hydrostatic Mud	<u>1653</u>	PSI	Initial Shut-In <u>60</u>	Shale Packer	_____
			Final Flow <u>30</u>	Ruined Packer	_____
			Final Shut-In <u>90</u>	Mileage <u>180</u> + <u>180</u>	
			T-On Location <u>13:50</u>	Sub Total: <u>1430</u>	
			T-Started <u>16:13</u>	Std. By <u>3/4</u> <u>37.5</u>	
			T-Open <u>17:38</u>	Acc. Chg: _____	
			T-Pulled <u>21:08</u>	Other: _____	
			T-Out <u>22:47</u>	Total: <u>\$1467.5</u>	

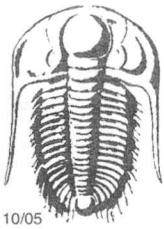
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By \_\_\_\_\_  
 Our Representative J. Mc Lemmon *Thank you*

**CHART PAGE**

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





# TRILOBITE TESTING INC.

No 24630

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

Well Name & No. Nelson #2-8 Test No. 2 Date 1-8-06  
 Company Murfin Drilling Company Inc. Zone Tested "D-F"  
 Address 250 N Water, Ste 300, Wichita, 67202 Elevation 2425 KB 2420 GL  
 Co. Rep / Geo. Dan Blankenan Rig Murfin #3  
 Location: Sec. 8 Twp. 5s Rge. 24w Co. Norton State Ks  
 Comment: \_\_\_\_\_ Release date / time: \_\_\_\_\_

Interval Tested 3545 - 3604 Initial Str Wt./Lbs. 75,000 Unseated Str Wt./Lbs. 75,000  
 Anchor Length 59' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 80,000  
 Top Packer Depth 3540 Tool Weight 2200  
 Bottom Packer Depth 3545 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓  
 Total Depth 3604 Wt. Pipe Run 0 Drill Collar Run 489  
 Mud Wt. 9.0 LCM 0 Vis. 51 WLG 6.8 Drill Pipe Size 4 1/2 XH Ft. Run 3054  
 Blow Description IFP - Weak Blow, Built to 3 1/2"

ISI - Dead  
FFP - Weak Blow, Built to 1"  
FSI - Dead

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>140</u>		<u>140</u>	
Rec. <u>10</u>	Feet of <u>VSOCM</u>	%gas <u>5</u> %oil	%water <u>95</u> %mud
Rec. <u>130</u>	Feet of <u>Watery Mud</u>	%gas %oil <u>40</u>	%water <u>60</u> %mud
Rec. _____	Feet of _____	%gas %oil	%water %mud
Rec. _____	Feet of _____	%gas %oil	%water %mud
Rec. _____	Feet of _____	%gas %oil	%water %mud

BHT 98° °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW .960 @ 50° °F Chlorides 8500 ppm Recovery \_\_\_\_\_ Chlorides 1600 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1781</u>	PSI	<u>6741</u>	<u>1000</u>
(B) First Initial Flow Pressure	<u>17</u>	PSI	(depth) <u>3549</u>	(Jars) <u>200</u>
(C) First Final Flow Pressure	<u>63</u>	PSI	Recorder No. <u>13221</u>	(Safety Jt) <u>90</u>
(D) Initial Shut-In Pressure	<u>952</u>	PSI	(depth) <u>3601</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>68</u>	PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>93</u>	PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>910</u>	PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1665</u>	PSI	Initial Shut-In <u>60</u>	Shale Packer _____

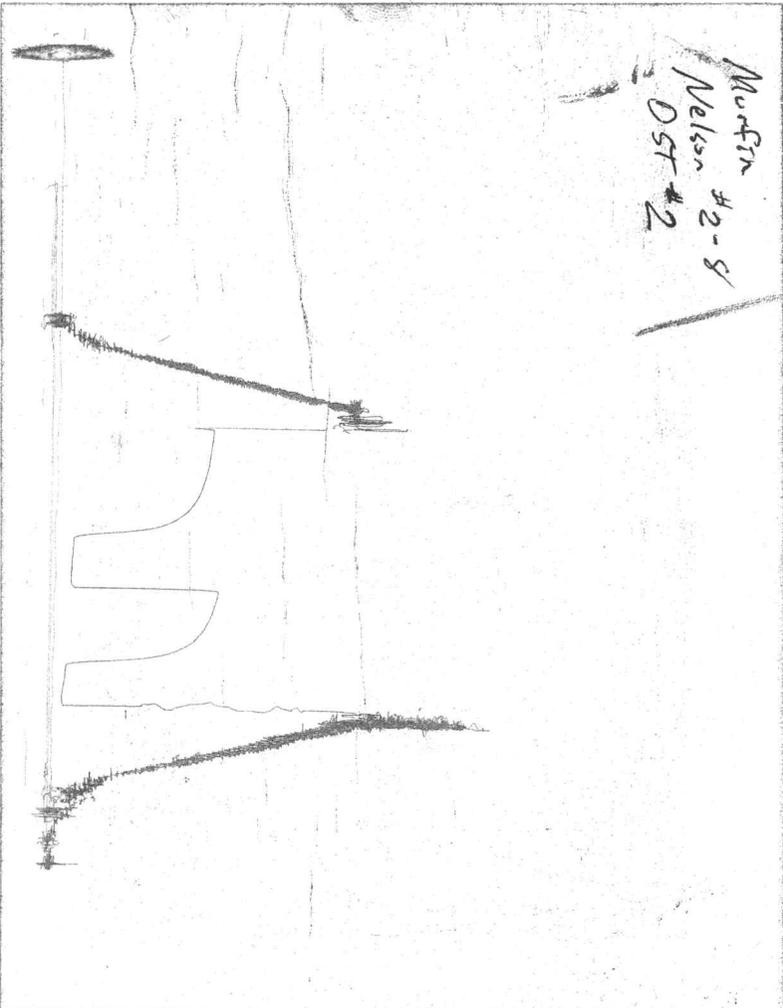
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

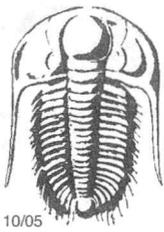
Final Flow 30 Ruined Packer \_\_\_\_\_  
 Final Shut-In 90 Mileage 65 rt 65  
 T-On Location 9:35 Sub Total: 1315  
 T-Started 10:27 Std. By \_\_\_\_\_  
 T-Open 12:09 Acc. Chg: \_\_\_\_\_  
 T-Pulled 15:39 Other: \_\_\_\_\_  
 T-Out 17:22 Total: \_\_\_\_\_

Approved By \_\_\_\_\_  
 Our Representative J. Mc Lemmon Thank You

**CHART PAGE**

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





# TRILOBITE TESTING INC.

No 24631

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

Well Name & No. Nelson 2-8 Test No. 3 Date 1-09-06  
 Company Murfin DC Zone Tested LKC G-L  
 Address 250 N Water Wichita KS Elevation 2425 KB 2420 GL  
 Co. Rep / Geo. Dan Blanken Rig Murfin 3  
 Location: Sec. 8 Twp. 5S Rge. 24W Co. Norton State KS  
 Comment: \_\_\_\_\_ Release date / time: \_\_\_\_\_

Interval Tested 3603 - 3712 Initial Str Wt./Lbs. 75,000 Unseated Str Wt./Lbs. 75,000  
 Anchor Length 109 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 75,000  
 Top Packer Depth 3598 Tool Weight 2500  
 Bottom Packer Depth 3603 Hole Size 7 7/8" Rubber Size 6 3/4"  
 Total Depth 3712 Wt. Pipe Run 0 Drill Collar Run 489  
 Mud Wt. 9.1 LCM 0 Vis. 54 WL 6.8 Drill Pipe Size 4 1/2 Ft. Run 3112

Blow Description IF - Built to 3/8"  
ISJ - No Blow  
EF - No Blow  
FSJ - No Blow

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
Rec. <u>15</u>	Feet of <u>Drilling Mud</u>	%gas	%oil %water <u>100</u> %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 98 °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery \_\_\_\_\_ Chlorides \_\_\_\_\_ ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1813</u> PSI	<u>1813</u> PSI	<u>6741</u>	<u>1000</u>
(B) First Initial Flow Pressure	<u>19</u> PSI	<u>19</u> PSI	<u>3609</u>	<u>200</u>
(C) First Final Flow Pressure	<u>32</u> PSI	<u>32</u> PSI	<u>13221</u>	<u>50</u>
(D) Initial Shut-In Pressure	<u>1183</u> PSI	<u>1183</u> PSI	<u>3712</u>	
(E) Second Initial Flow Pressure	<u>34</u> PSI	<u>34</u> PSI		
(F) Second Final Flow Pressure	<u>47</u> PSI	<u>47</u> PSI		
(G) Final Shut-In Pressure	<u>1142</u> PSI	<u>1142</u> PSI		
(Q) Final Hydrostatic Mud	<u>1816</u> PSI	<u>1816</u> PSI		

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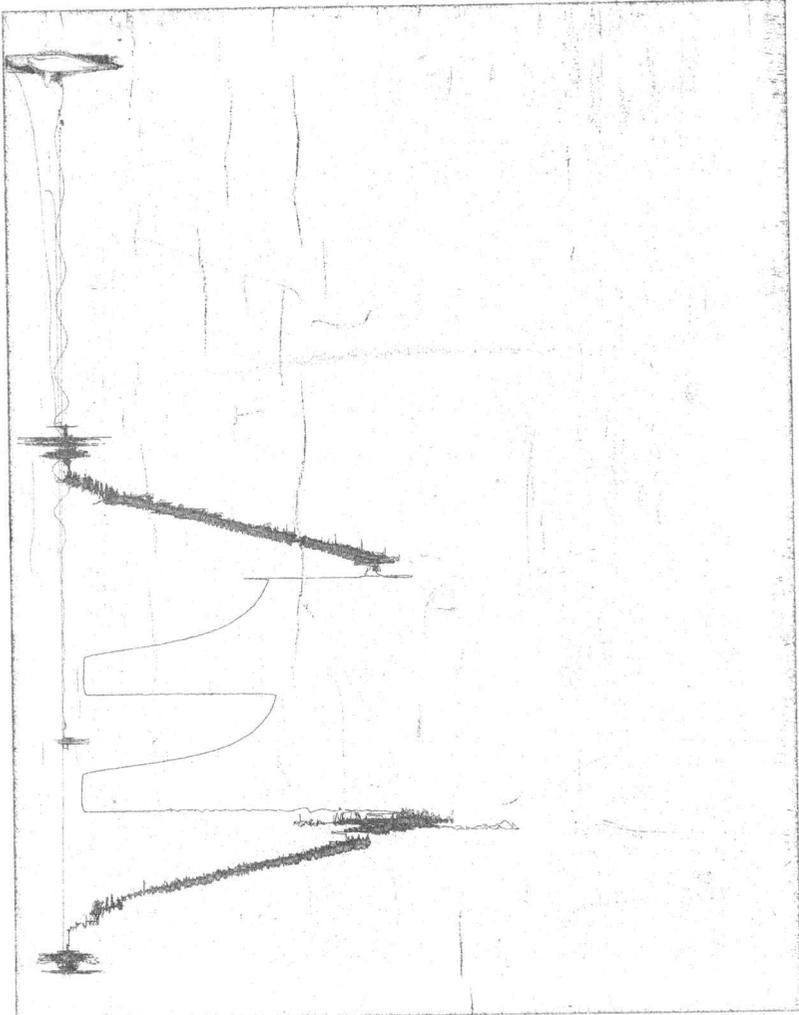
Recorder No. 6741 Test 1000  
 Recorder No. 13221 Jars 200  
 Recorder No. 3712 Safety Jt. 50  
 Recorder No. \_\_\_\_\_ Circ Sub \_\_\_\_\_  
 Recorder No. \_\_\_\_\_ Sampler \_\_\_\_\_  
 Recorder No. \_\_\_\_\_ Straddle \_\_\_\_\_  
 Recorder No. \_\_\_\_\_ Ext. Packer \_\_\_\_\_  
 Recorder No. \_\_\_\_\_ Shale Packer \_\_\_\_\_  
 Recorder No. \_\_\_\_\_ Ruined Packer 200  
 Recorder No. \_\_\_\_\_ Mileage 180 180  
 Recorder No. \_\_\_\_\_ Sub Total: 1630  
 Recorder No. \_\_\_\_\_ Std. By \_\_\_\_\_  
 Recorder No. \_\_\_\_\_ Acc. Chg: \_\_\_\_\_  
 Recorder No. \_\_\_\_\_ Other: \_\_\_\_\_  
 Recorder No. \_\_\_\_\_ Total 15 copies

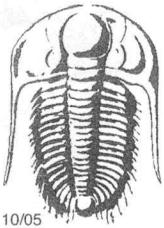
Approved By \_\_\_\_\_  
 Our Representative Michael Ambrister

T-On Location 5:00  
 T-Started 5:11  
 T-Open 7:10  
 T-Pulled 10:10  
 T-Out 11:40

**CHART PAGE**

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





# TRILOBITE TESTING INC.

No 24632

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

Well Name & No. Nelson 2-8 Test No. \_\_\_\_\_ Date 1-11-06  
 Company Murfin Drilling Co. Zone Tested \_\_\_\_\_  
 Address 250 N Water Wichita Elevation \_\_\_\_\_ KB \_\_\_\_\_ GL \_\_\_\_\_  
 Co. Rep / Geo. Dan Blankenan Rig Murfin Rig 3  
 Location: Sec. 8 Twp. 5S Rge. 24W Co. Norton State KS  
 Comment: \_\_\_\_\_ Release date / time: \_\_\_\_\_

Interval Tested \_\_\_\_\_ Initial Str Wt./Lbs. \_\_\_\_\_ Unseated Str Wt./Lbs. \_\_\_\_\_  
 Anchor Length \_\_\_\_\_ Wt. Set Lbs. \_\_\_\_\_ Wt. Pulled Loose/Lbs. \_\_\_\_\_  
 Top Packer Depth \_\_\_\_\_ Tool Weight \_\_\_\_\_  
 Bottom Packer Depth \_\_\_\_\_ Hole Size 7 7/8" Rubber Size 6 3/4"  
 Total Depth \_\_\_\_\_ Wt. Pipe Run \_\_\_\_\_ Drill Collar Run \_\_\_\_\_  
 Mud Wt. \_\_\_\_\_ LCM \_\_\_\_\_ Vis. \_\_\_\_\_ WL \_\_\_\_\_ Drill Pipe Size \_\_\_\_\_ Ft. Run \_\_\_\_\_

Blow Description Stand By Last test Ended 1-09-06 11:40 AM  
Loaded tool at this time but was not released  
Released 1-10-06 5:51 pm 30hrs

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP			
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 _____	
Rec. _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____	

BHT \_\_\_\_\_ °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery \_\_\_\_\_ Chlorides \_\_\_\_\_ ppm System

	AK-1	Alpine	PSI	Recorder No.	Test
(A) Initial Hydrostatic Mud					
(B) First Initial Flow Pressure				(depth)	Jars
(C) First Final Flow Pressure				Recorder No.	Safety Jt.
(D) Initial Shut-In Pressure				(depth)	Circ Sub
(E) Second Initial Flow Pressure				Recorder No.	Sampler
(F) Second Final Flow Pressure				(depth)	Straddle
(G) Final Shut-In Pressure				<b>Initial Opening</b>	Ext. Packer
(Q) Final Hydrostatic Mud				Initial Shut-In	Shale Packer

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Approved By \_\_\_\_\_ T-Started \_\_\_\_\_ Std. By \_\_\_\_\_  
 Our Representative \_\_\_\_\_ T-Open \_\_\_\_\_ Acc. Chg: \_\_\_\_\_  
 T-Pulled \_\_\_\_\_ Other: \_\_\_\_\_  
 T-Out \_\_\_\_\_ Total: \_\_\_\_\_