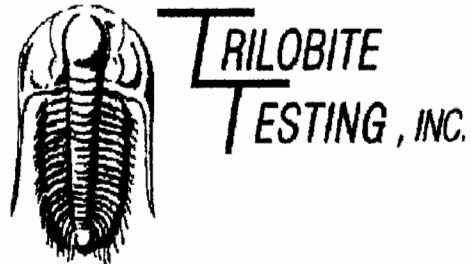


15-081-21638

KCC
APR 04 2006
CONFIDENTIAL**DRILL STEM TEST REPORT**Prepared For: **Presco Western**5480 Valmont
Ste. 350
Boulder, CO 80301

ATTN: Mike Dodge

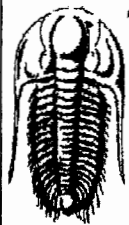
16/30S/32W**E. Hall 5-N16-30-32**

Start Date: 2006.01.10 @ 16:45:54

End Date: 2006.01.11 @ 15:09:07

Job Ticket #: 22371 DST #: 1

RECEIVED
KANSAS CORPORATION COMMISSION**APR 06 2006****CONSERVATION DIVISION**
WICHITA, KSTrilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Fresco Western

E. Hall 5-N16-30-32

 5480 Valmont
Ste. 350
Boulder, CO 80301
ATTN: Mike Dodge

16/30S/32W

Job Ticket: 22371

DST#: 1

Test Start: 2006.01.10 @ 16:45:54

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APR 04 2006
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GENERAL INFORMATION:

 Formation: **Kansas City A**

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

Time Tool Opened: 23:35:52

Time Test Ended: 15:09:07

 Test Type: **Conventional Bottom Hole**

 Tester: **Dustin Rash**

 Unit No: **20**

 Interval: **4681.00 ft (KB) To 4715.00 ft (KB) (TVD)**

 Total Depth: **4715.00 ft (KB) (TVD)**

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

 Reference Elevations: **2887.00 ft (KB)**
2881.00 ft (CF)

 KB to GR/CF: **6.00 ft**

 Serial #: **6770**

Inside

 Press@RunDepth: **721.02 psig @ 4683.00 ft (KB)**

 Start Date: **2006.01.10**

 End Date: **2006.01.11**

 Capacity: **7000.00 psig**

 Last Calib.: **1899.12.30**

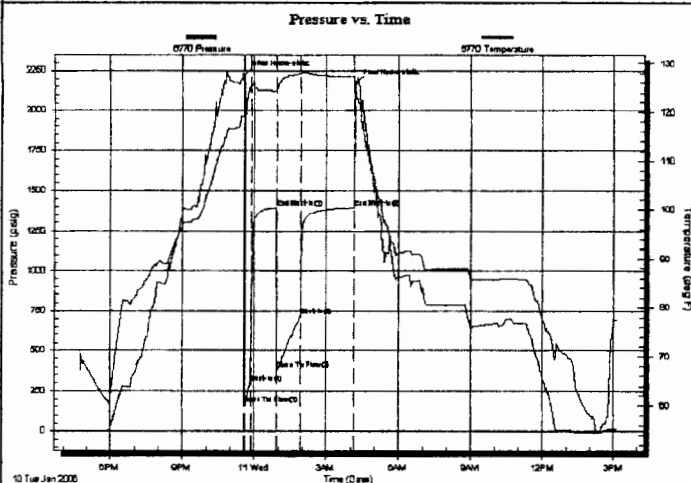
 Start Time: **16:45:54**

 End Time: **15:09:07**

 Time On Btm: **2006.01.10 @ 23:35:07**

 Time Off Btm: **2006.01.11 @ 04:12:07**

TEST COMMENT: IF-Strong building blow. BOB in 30 sec.
ISI-Blowback in 1 min 30 sec. BOB in 4min. 30sec. GTS in 16 min.
FF-Strong building blow. BOB in 1 min. 30 sec. GTS ASAO. Gauged gas.
FSI-Blow back ASAC. BOB



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2228.18	119.30	Initial Hydro-static
1	172.05	118.81	Open To Flow (1)
16	298.87	125.10	Shut-In(1)
80	1392.90	124.44	End Shut-In(1)
81	383.93	124.36	Open To Flow (2)
140	721.02	127.92	Shut-In(2)
273	1393.40	127.34	End Shut-In(2)
277	2177.60	122.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1500.00	40% Gas 60% Oil	15.61
91.00	100% Water	1.28
0.00	Dropped bar.	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mc/d)
First Gas Rate	0.13	5.00	7.26
Last Gas Rate			
Max. Gas Rate	0.13	28.00	15.87

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		TOOL DIAGRAM																																																																																																
Presco Western 5480 Valmont Ste. 350 Boulder, CO 80301 ATTN: Mike Dodge		E. Hall 5-N16-30-32 16/30S/32W Job Ticket: 22371 DST#: 1 Test Start: 2006.01.10 @ 16:45:54																																																																																																	
Tool Information																																																																																																			
Drill Pipe: Length: 4080.00 ft Heavy Wt. Pipe: Length: 0.00 ft Drill Collar: Length: 596.00 ft Drill Pipe Above KB: 25.00 ft Depth to Top Packer: 4681.00 ft Depth to Bottom Packer: ft Interval between Packers: 34.00 ft Tool Length: 64.00 ft Number of Packers: 2 Tool Comments:	Diameter: 3.80 inches Diameter: 0.00 inches Diameter: 2.25 inches Diameter: 6.75 inches	Volume: 57.23 bbl Volume: 0.00 bbl Volume: 2.93 bbl <u>Total Volume: 60.16 bbl</u>	Tool Weight: 2000.00 lb Weight set on Packer: 2000.00 lb Weight to Pull Loose: 15000.00 lb Tool Chased 0.00 ft String Weight: Initial 74000.00 lb Final 77000.00 lb																																																																																																
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Tool Description</th> <th style="text-align: right;">Length (ft)</th> <th style="text-align: right;">Serial No.</th> <th style="text-align: right;">Position</th> <th style="text-align: right;">Depth (ft)</th> <th style="text-align: right;">Accum. Lengths</th> </tr> </thead> <tbody> <tr> <td>Change Over Sub</td> <td style="text-align: right;">1.00</td> <td></td> <td></td> <td style="text-align: right;">4652.00</td> <td></td> </tr> <tr> <td>Shut In Tool</td> <td style="text-align: right;">5.00</td> <td></td> <td></td> <td style="text-align: right;">4657.00</td> <td></td> </tr> <tr> <td>Sampler</td> <td style="text-align: right;">3.00</td> <td></td> <td></td> <td style="text-align: right;">4660.00</td> <td></td> </tr> <tr> <td>HMV</td> <td style="text-align: right;">5.00</td> <td></td> <td></td> <td style="text-align: right;">4665.00</td> <td></td> </tr> <tr> <td>Jars</td> <td style="text-align: right;">5.00</td> <td></td> <td></td> <td style="text-align: right;">4670.00</td> <td></td> </tr> <tr> <td>Safety Joint</td> <td style="text-align: right;">2.00</td> <td></td> <td></td> <td style="text-align: right;">4672.00</td> <td></td> </tr> <tr> <td>Packer</td> <td style="text-align: right;">5.00</td> <td></td> <td></td> <td style="text-align: right;">4677.00</td> <td style="text-align: right;">30.00 Bottom Of Top Packer</td> </tr> <tr> <td>Packer</td> <td style="text-align: right;">4.00</td> <td></td> <td></td> <td style="text-align: right;">4681.00</td> <td></td> </tr> <tr> <td>Stubb</td> <td style="text-align: right;">1.00</td> <td></td> <td></td> <td style="text-align: right;">4682.00</td> <td></td> </tr> <tr> <td>Perforations</td> <td style="text-align: right;">1.00</td> <td></td> <td></td> <td style="text-align: right;">4683.00</td> <td></td> </tr> <tr> <td>Recorder</td> <td style="text-align: right;">0.00</td> <td style="text-align: right;">6770</td> <td style="text-align: right;">Inside</td> <td style="text-align: right;">4683.00</td> <td></td> </tr> <tr> <td>Perforations</td> <td style="text-align: right;">29.00</td> <td></td> <td></td> <td style="text-align: right;">4712.00</td> <td></td> </tr> <tr> <td>Recorder</td> <td style="text-align: right;">0.00</td> <td style="text-align: right;">13761</td> <td style="text-align: right;">Inside</td> <td style="text-align: right;">4712.00</td> <td></td> </tr> <tr> <td>Bullnose</td> <td style="text-align: right;">3.00</td> <td></td> <td></td> <td style="text-align: right;">4715.00</td> <td style="text-align: right;">34.00 Bottom Packers & Anchor</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total Tool Length:</td> <td colspan="3" style="text-align: right;">64.00</td> <td></td> </tr> </tbody> </table>				Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	Change Over Sub	1.00			4652.00		Shut In Tool	5.00			4657.00		Sampler	3.00			4660.00		HMV	5.00			4665.00		Jars	5.00			4670.00		Safety Joint	2.00			4672.00		Packer	5.00			4677.00	30.00 Bottom Of Top Packer	Packer	4.00			4681.00		Stubb	1.00			4682.00		Perforations	1.00			4683.00		Recorder	0.00	6770	Inside	4683.00		Perforations	29.00			4712.00		Recorder	0.00	13761	Inside	4712.00		Bullnose	3.00			4715.00	34.00 Bottom Packers & Anchor	Total Tool Length:		64.00			
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Presco Western

E Hall 5-N16-30-32

5480 Valmont

16/30S/32W

Ste. 350

Job Ticket: 22371

DST#: 1

Boulder, CO 80301

Test Start: 2006.01.10 @ 16:45:54

ATTN: Mike Dodge

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

41 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

190000 ppm

Viscosity: 34.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.36 in³

Gas Cushion Type:

Resistivity: 0.05 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1500.00	40% Gas 60% Oil	15.612
91.00	100% Water	1.276
0.00	Dropped bar.	0.000

Total Length: 1591.00 ft

Total Volume: 16.888 bbl

Num Fluid Samples: 1

Num Gas Bombs: 1

Serial #:

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments: Gas was flammable.

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APR 04 2006
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**TRILOBITE
TESTING, INC.****DRILL STEM TEST REPORT****GAS RATES**

Presco Western

E. Hall 5-N16-30-32

5480 Valmont

16/30S/32W

Ste. 350

Job Ticket: 22371

DST#: 1

Boulder, CO 80301

Test Start: 2006.01.10 @ 16:45:54

ATTN: Mike Dodge

Gas Rates Information

Temperature: 59 deg C

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m³/d)
2	10	0.13	5.00	7.26
2	20	0.13	7.00	8.01
2	30	0.13	13.00	10.26
2	40	0.13	18.00	12.13
2	50	0.13	24.00	14.37
2	60	0.13	28.00	15.87
2	-	-999999.00	-999999.00	-999999.00

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APR 04 2006
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DST Test Number: 1

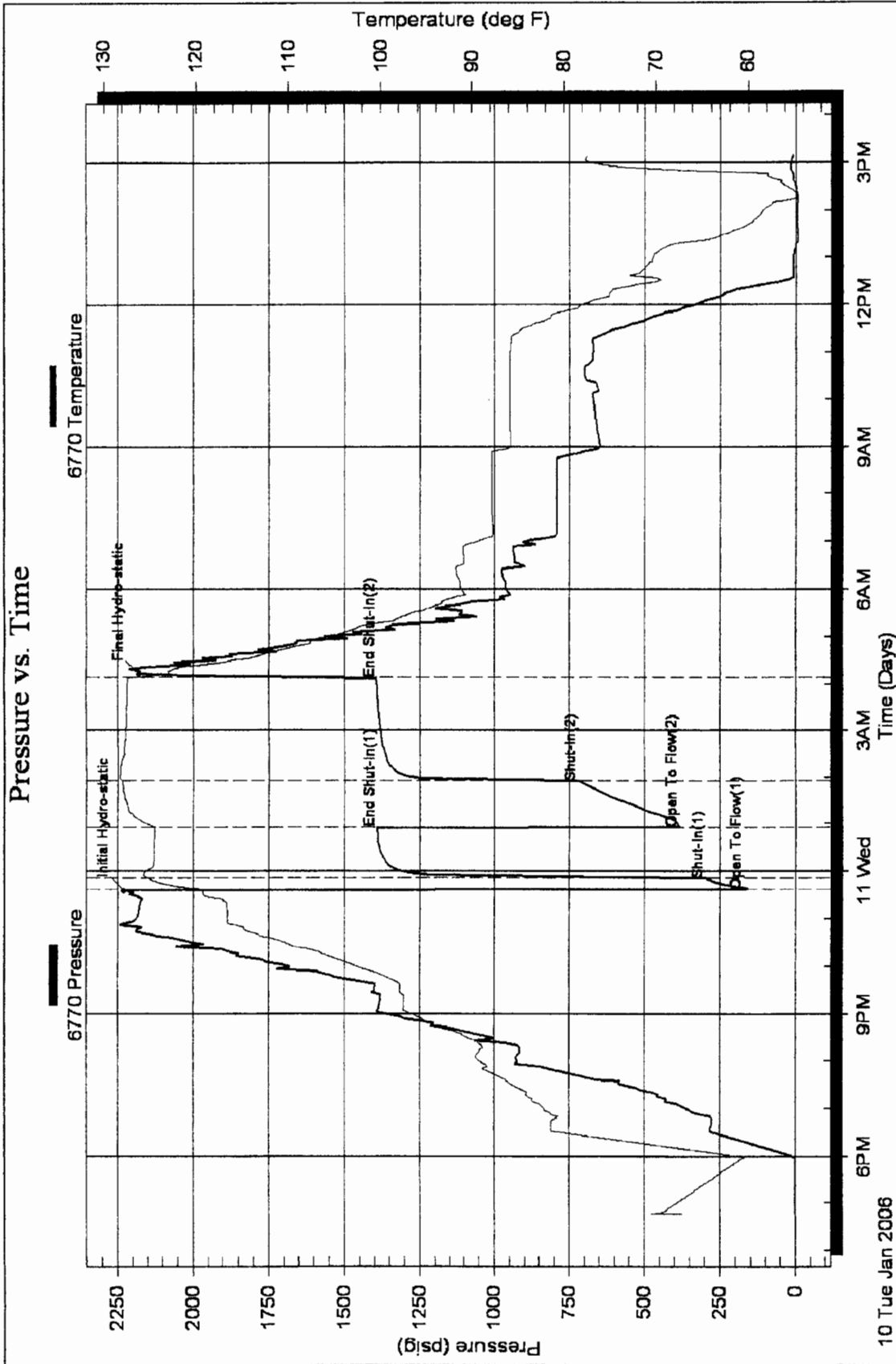
16/30S/32W

Presco Western

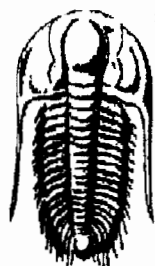
Inside

Serial #: 6770

Pressure vs. Time



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TESTING, INC.

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DRILL STEM TEST REPORT

Prepared For: **Presco Western**

5480 Valmont
Ste. 350
Boulder, CO 80301

ATTN: Mike Dodge

16/30S/32W

E. Hall 5-N16-30-32

Start Date: 2006.01.10 @ 16:45:54

End Date: 2006.01.11 @ 15:09:07

Job Ticket #: 22371 DST #: 1

RECEIVED
KANSAS CORPORATION COMMISSION

APR 06 2006

CONSERVATION DIVISION
WICHITA, KS

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Presco Western
5480 Valmont
Ste. 350
Boulder, CO 80301
ATTN: Mike Dodge

E. Hall 5-N16-30-32

16/30S/32W

Job Ticket: 22371

DST#: 1

Test Start: 2006.01.10 @ 16:45:54

GENERAL INFORMATION:

Formation: **Kansas City A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:35:52

Time Test Ended: 15:09:07

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 20

Interval: **4681.00 ft (KB) To 4715.00 ft (KB) (TVD)**

Total Depth: 4715.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2887.00 ft (KB)

2881.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 6770

Inside

Press@RunDepth: 721.02 psig @ 4683.00 ft (KB)

Start Date: 2006.01.10

End Date:

2006.01.11

Capacity: 7000.00 psig

Last Calib.:

1899.12.30

Start Time: 16:45:54

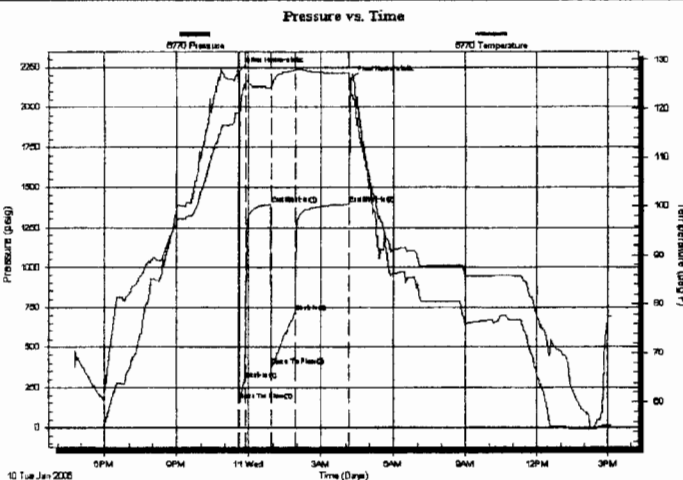
End Time:

15:09:07

Time On Btm: 2006.01.10 @ 23:35:07

Time Off Btm: 2006.01.11 @ 04:12:07

TEST COMMENT: IF-Strong building blow. BOB in 30 sec.
IS-Blow back in 1 min 30 sec. BOB in 4min. 30sec. GTS in 16 min.
FF-Strong building blow. BOB in 1 min. 30 sec. GTS ASAO. Gauged gas.
FSI-Blow back ASAC. BOB



PRESSURE SUMMARY

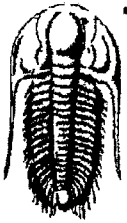
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2228.18	119.30	Initial Hydro-static
1	172.05	118.81	Open To Flow (1)
16	298.87	125.10	Shut-In(1)
80	1392.90	124.44	End Shut-In(1)
81	383.93	124.36	Open To Flow (2)
140	721.02	127.92	Shut-In(2)
273	1393.40	127.34	End Shut-In(2)
277	2177.60	122.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1500.00	40%Gas 60%Oil	15.61
91.00	100% Water	1.28
0.00	Dropped bar.	0.00

Gas Rates

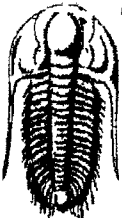
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	5.00	7.26
Last Gas Rate			
Max. Gas Rate	0.13	28.00	15.87

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		TOOL DIAGRAM
	Presco Western 5480 Valmont Ste. 350 Boulder, CO 80301 ATTN: Mike Dodge	E Hall 5-N16-30-32 16/30S/32W Job Ticket: 22371 DST#: 1 Test Start: 2006.01.10 @ 16:45:54	

Tool Information			
Drill Pipe:	Length: 4080.00 ft	Diameter: 3.80 inches	Volume: 57.23 bbl
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl
Drill Collar:	Length: 596.00 ft	Diameter: 2.25 inches	Volume: 2.93 bbl
		Total Volume: 60.16 bbl	
Drill Pipe Above KB:	25.00 ft		
Depth to Top Packer:	4681.00 ft		
Depth to Bottom Packer:	ft		
Interval between Packers:	34.00 ft		
Tool Length:	64.00 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			4652.00		
Shut In Tool	5.00			4657.00		
Sampler	3.00			4660.00		
HMV	5.00			4665.00		
Jars	5.00			4670.00		
Safety Joint	2.00			4672.00		
Packer	5.00			4677.00	30.00	Bottom Of Top Packer
Packer	4.00			4681.00		
Stubb	1.00			4682.00		
Perforations	1.00			4683.00		
Recorder	0.00	6770	Inside	4683.00		
Perforations	29.00			4712.00		
Recorder	0.00	13761	Inside	4712.00		
Bullnose	3.00			4715.00	34.00	Bottom Packers & Anchor
Total Tool Length:		64.00				

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 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		FLUID SUMMARY																					
	Presco Western 5480 Valmont Ste. 350 Boulder, CO 80301 ATTN: Mike Dodge	E. Hall 5-N16-30-32 16/30S/32W Job Ticket: 22371 DST#: 1 Test Start: 2006.01.10 @ 16:45:54																						
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1500.00	40% Gas 60% Oil	15.612																						
91.00	100% Water	1.276																						
0.00	Dropped bar.	0.000																						
Total Length: 1591.00 ft Total Volume: 16.888 bbl Num Fluid Samples: 1 Num Gas Bombs: 1 Serial #: Laboratory Name: Caraway Laboratory Location: Liberal, KS Recovery Comments: Gas was flammable.																								

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APR 04 2006

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**TRILOBITE
TESTING, INC.****DRILL STEM TEST REPORT****GAS RATES**

Presco Western

E. Hall 5-N16-30-32

5480 Valmont

16/30S/32W

Ste. 350

Job Ticket: 22371

DST#: 1

Boulder, CO 80301

Test Start: 2006.01.10 @ 16:45:54

ATTN: Mike Dodge

Gas Rates Information

Temperature: 59 deg C

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
2	10	0.13	5.00	7.26
2	20	0.13	7.00	8.01
2	30	0.13	13.00	10.26
2	40	0.13	18.00	12.13
2	50	0.13	24.00	14.37
2	60	0.13	28.00	15.87
2	-	-999999.00	-999999.00	-999999.00

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APR 04 2006
CONFIDENTIAL

DST Test Number: 1

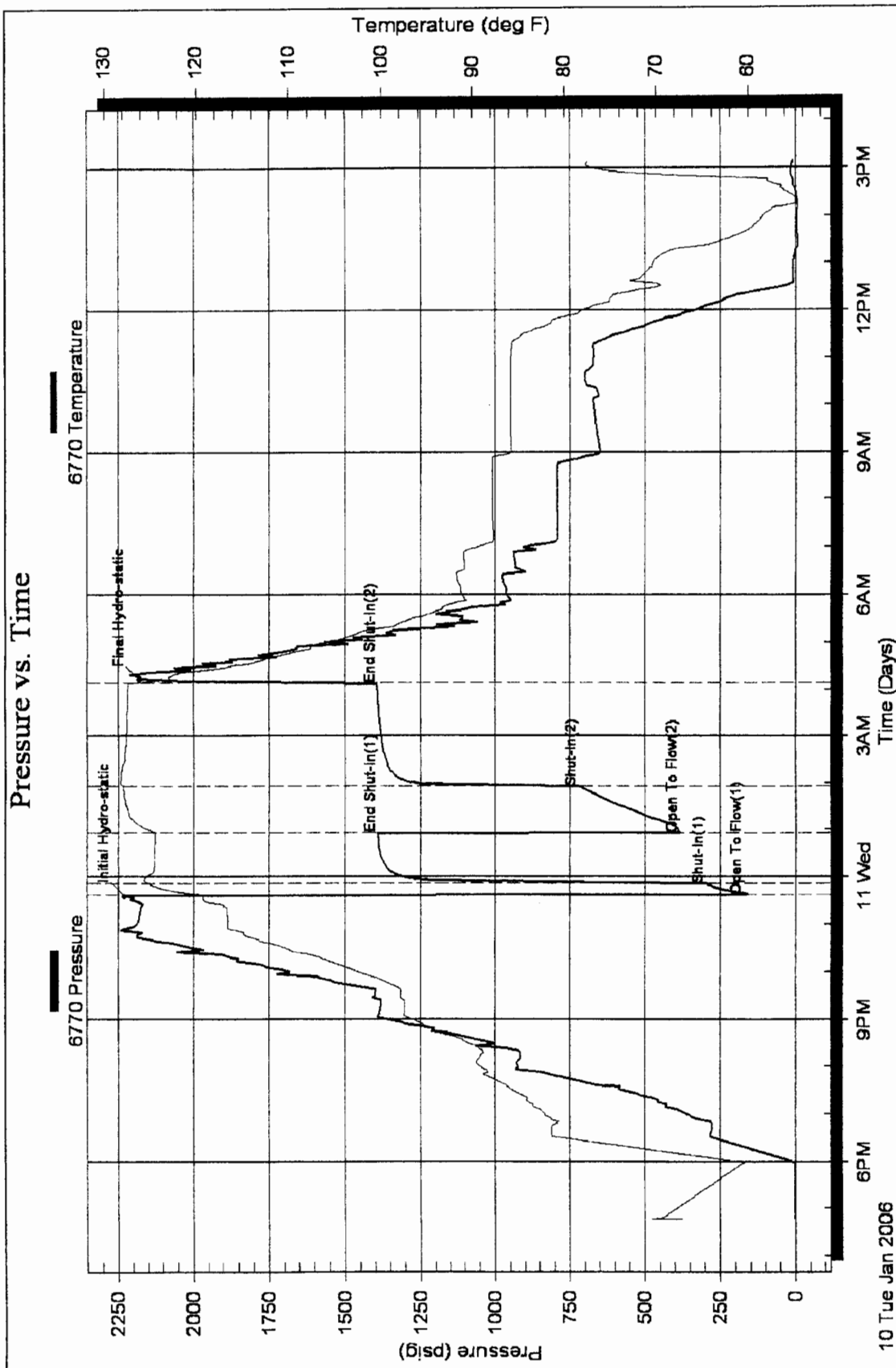
1630S/32W

Presco Western

Inside

Serial #: 6770

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 22371

Printed: 2006.01.12 @ 10:28:57 Page 6

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