

**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Prepared For: **R & B Oil and Gas**

P.O. Box 195  
Attica, KS 67009

ATTN: Tim Pierce

**32-32s-10w Barber**

**Traffas 'C' #1**

Start Date: 2006.01.02 @ 22:25:11

End Date: 2006.01.03 @ 06:40:11

Job Ticket #: 21449                      DST#: 1

*15-007-22953-00-00*

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

RECEIVED  
APR 18 2006  
KCC WICHITA

R & B Oil and Gas

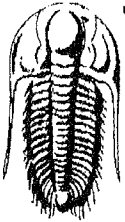
Traffas 'C' #1

32-32s-10w Barber

DST # 1

Miss.

2006.01.02



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

R & B Oil and Gas

P.O. Box 195  
Attica, KS 67009

ATTN: Tim Pierce

**Traffas 'C' #1**

**32-32s-10w Barber**

Job Ticket: 21449

**DST#: 1**

Test Start: 2006.01.02 @ 22:25:11

### GENERAL INFORMATION:

Formation: **Miss.**

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

Time Tool Opened: 00:16:26

Time Test Ended: 06:40:11

Test Type: Conventional Bottom Hole

Tester: Davy Cline

Unit No: 24

Interval: **4490.00 ft (KB) To 4525.00 ft (KB) (TVD)**

Total Depth: **4525.00 ft (KB) (TVD)**

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

Reference Elevations: **1517.00 ft (KB)**

**1509.00 ft (CF)**

KB to GR/CF: **8.00 ft**

**Serial #: 6753**

**Inside**

Press@RunDepth: **147.04 psig @ 4497.00 ft (KB)**

Start Date: **2006.01.02**

End Date: **2006.01.03**

Start Time: **22:25:12**

End Time: **06:40:11**

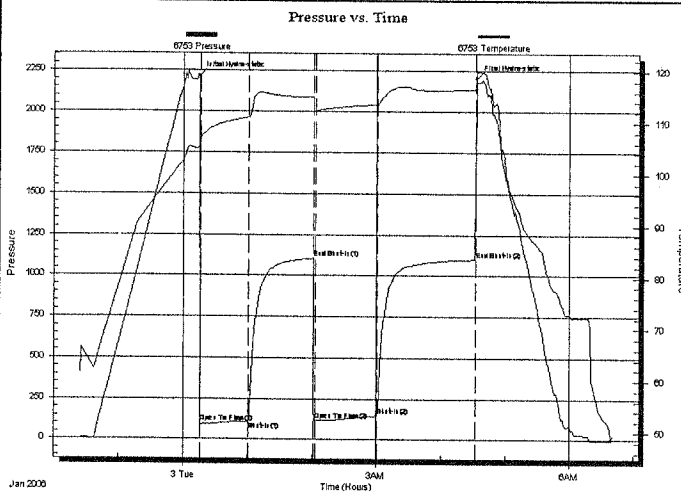
Capacity: **7000.00 psig**

Last Calib.: **2006.01.03**

Time On Btm: **2006.01.03 @ 00:15:11**

Time Off Btm: **2006.01.03 @ 04:32:56**

**TEST COMMENT:** IF: Strong blow. BOB 22 sec. GTS 14 min. Gauged gas.  
IS: Bled off. No blow back.  
FF: Strong blow. BOB immediately. Gauged gas.  
FSI: Bled off. Had a weak surface blow.



### PRESSURE SUMMARY

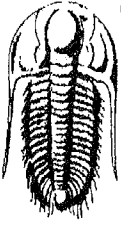
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2218.97	105.16	Initial Hydro-static
2	103.26	107.04	Open To Flow (1)
46	108.99	111.04	Shut-In(1)
106	1104.14	115.05	End Shut-In(1)
108	116.16	112.23	Open To Flow (2)
166	147.04	113.54	Shut-In(2)
257	1098.98	116.54	End Shut-In(2)
258	2205.54	119.76	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
80.00	G & VSI OCM 14%g 1%o 85%m	0.82
62.00	G & VSI OCWM 14%g 1%o 30%w 55%m	0.64
0.00	Gas in all fluid free pipe.	0.00

### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	1.50	25.22
Last Gas Rate	0.25	52.00	105.34
Max. Gas Rate	0.25	52.00	105.34



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

R & B Oil and Gas

Traffas 'C' #1

P.O. Box 195  
Attica, KS 67009

32-32s-10w Barber

Job Ticket: 21449

DST#: 1

ATTN: Tim Pierce

Test Start: 2006.01.02 @ 22:25:11

### Tool Information

Drill Pipe:	Length: 4501.00 ft	Diameter: 3.25 inches	Volume: 46.18 bbl	Tool Weight: 2100.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 46.18 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4490.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	56.00 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			4470.00	
Shut In Tool	5.00			4475.00	
Hydraulic tool	5.00			4480.00	
Packer	5.00			4485.00	21.00 Bottom Of Top Packer
Packer	5.00			4490.00	
Stubb	1.00			4491.00	
Perforations	6.00			4497.00	
Recorder	0.00	6753	Inside	4497.00	
Perforations	25.00			4522.00	
Recorder	0.00	13400	Outside	4522.00	
Bullnose	3.00			4525.00	35.00 Bottom Packers & Anchor

**Total Tool Length: 56.00**



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## DRILL STEM TEST REPORT

FLUID SUMMARY

R & B Oil and Gas

Traffas 'C' #1

P.O. Box 195  
Attica, KS 67009

32-32s-10w Barber

Job Ticket: 21449

DST#: 1

ATTN: Tim Pierce

Test Start: 2006.01.02 @ 22:25:11

### 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: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.18 in<sup>3</sup>

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
80.00	G & VSI OCM 14%g 1%o 85%m	0.821
62.00	G & VSI OCVM 14%g 1%o 30%w 55%m	0.636
0.00	Gas in all fluid free pipe.	0.000

Total Length: 142.00 ft

Total Volume: 1.457 bbl

Num Fluid Samples: 1

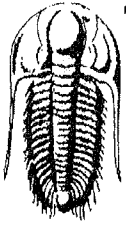
Num Gas Bombs: 0

Serial #: DC

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**GAS RATES**

R & B Oil and Gas

**Traffas 'C' #1**

P.O. Box 195  
Attica, KS 67009

**32-32s-10w Barber**

Job Ticket: 21449

**DST#: 1**

ATTN: Tim Pierce

Test Start: 2006.01.02 @ 22:25:11

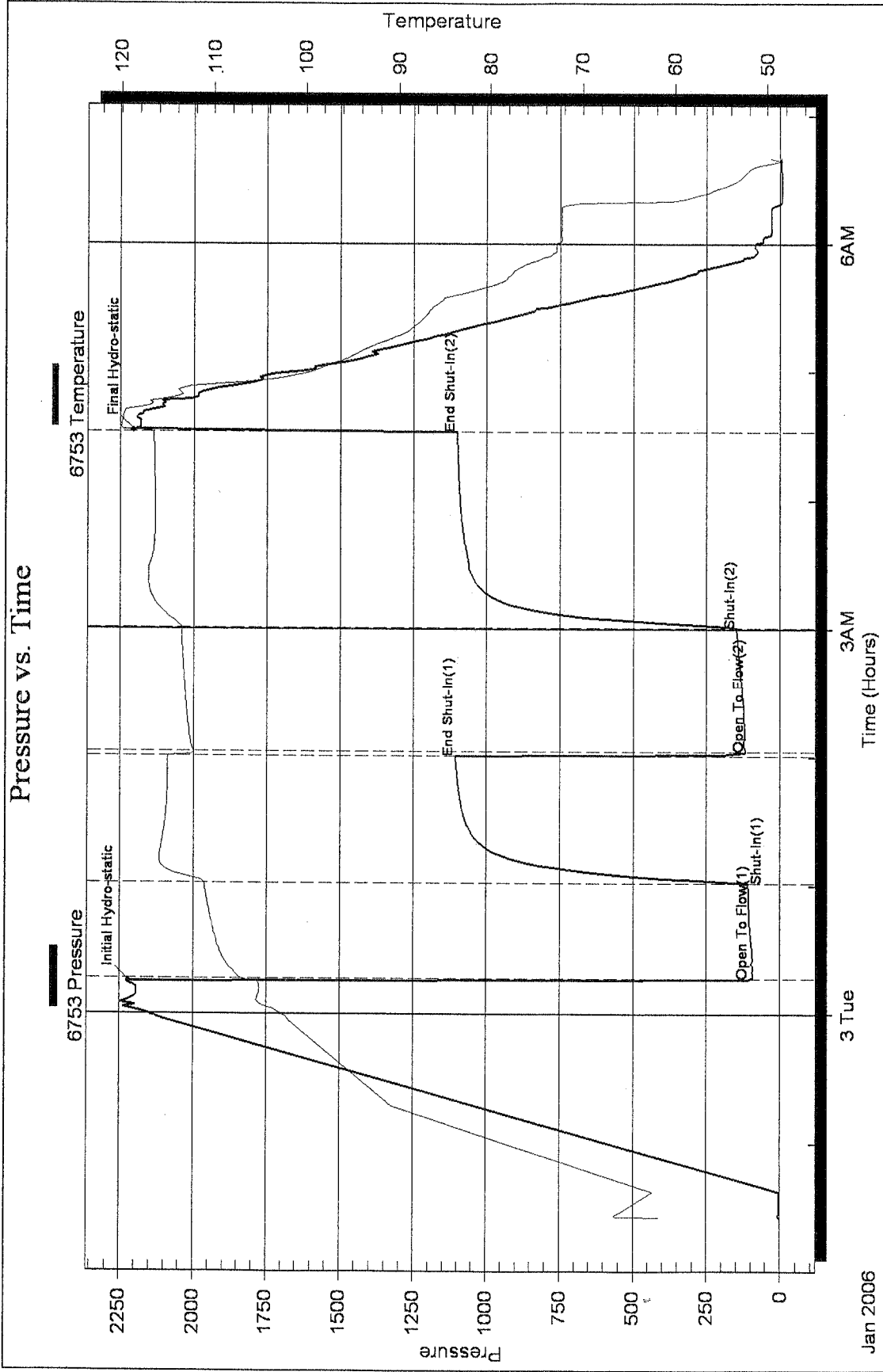
### Gas Rates Information

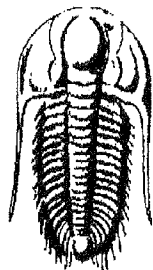
Temperature: 59 deg C  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m <sup>3</sup> /d)
1	15	0.25	1.50	25.22
1	15	0.25	1.50	25.22
1	20	0.25	4.50	29.98
1	25	0.25	7.00	33.95
1	30	0.25	9.50	37.91
1	35	0.25	11.50	41.09
1	40	0.25	14.00	45.05
1	45	0.25	16.00	48.23
2	10	0.25	25.00	62.50
2	20	0.25	35.00	78.37
2	30	0.25	43.00	91.06
2	40	0.25	48.00	98.99
2	50	0.25	52.00	105.34

# Pressure vs. Time





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **R & B Oil and Gas**

P.O. Box 195  
Attica, KS 67009

ATTN: Tim Pierce

**32-32s-10w Barber**

**Traffas 'C' #1**

Start Date: 2006.01.03 @ 16:23:28

End Date: 2006.01.04 @ 01:20:43

Job Ticket #: 21450                      DST #: 2

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

R & B Oil and Gas

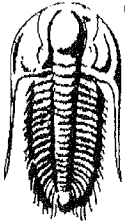
Traffas 'C' #1

32-32s-10w Barber

DST # 2

Miss.

2006.01.03



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

R & B Oil and Gas

P.O. Box 195  
Attica, KS 67009

ATTN: Tim Pierce

**Traffas 'C' #1**

**32-32s-10w Barber**

Job Ticket: 21450

**DST#: 2**

Test Start: 2006.01.03 @ 16:23:28

### GENERAL INFORMATION:

Formation: **Miss.**

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

Time Tool Opened: 18:34:43

Time Test Ended: 01:20:43

Test Type: Conventional Bottom Hole

Tester: Davy Cline

Unit No: 24

Interval: **4542.00 ft (KB) To 4570.00 ft (KB) (TVD)**

Total Depth: **4525.00 ft (KB) (TVD)**

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

Reference Elevations: **1517.00 ft (KB)**

**1509.00 ft (CF)**

KB to GR/CF: **8.00 ft**

**Serial #: 6753**

**Inside**

Press@RunDepth: **495.24 psig @ 4547.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2006.01.03**

End Date: **2006.01.04**

Last Calib.: **2006.01.04**

Start Time: **16:23:29**

End Time: **01:20:43**

Time On Btm: **2006.01.03 @ 18:29:58**

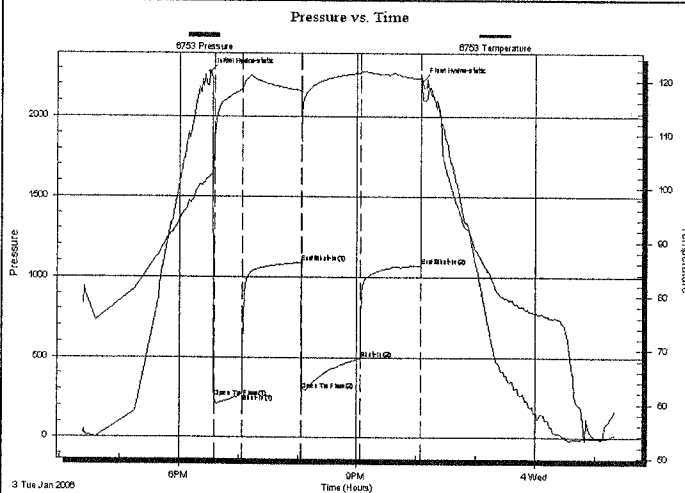
Time Off Btm: **2006.01.03 @ 22:05:58**

**TEST COMMENT:** IF: Strong blow. BOB 15 sec. GTS 4 min. Gauged gas.

ISI: Bled off. Had a weak surface blow.

FF: Strong blow. BOB Immediately. Gauged gas.

FSI: Bled off 20 min. Had a weak blow that went to BOB in



### PRESSURE SUMMARY

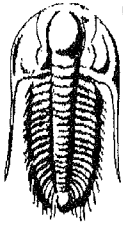
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2274.97	102.29	Initial Hydro-static
5	246.23	107.82	Open To Flow (1)
34	271.63	118.32	Shut-In(1)
94	1088.39	118.20	End Shut-In(1)
95	296.16	113.78	Open To Flow (2)
154	495.24	121.45	Shut-In(2)
215	1072.60	120.46	End Shut-In(2)
216	2220.90	116.72	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
278.00	Gassy Oil 18%g 82%o	2.85
310.00	G & OCMW 30%g 20%o 30%w 20%m	3.18
248.00	Salt Water 100%w	2.54
0.00	Gas in all fluid free pipe.	0.00

### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	20.00	232.05
Last Gas Rate	0.25	73.00	138.65
Max. Gas Rate	0.25	87.00	160.86



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## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

R & B Oil and Gas

**Traffas 'C' #1**

P.O. Box 195  
Attica, KS 67009

**32-32s-10w Barber**

Job Ticket: 21450

**DST#: 2**

ATTN: Tim Pierce

Test Start: 2006.01.03 @ 16:23:28

### Tool Information

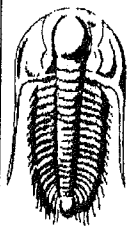
Drill Pipe:	Length: 4532.00 ft	Diameter: 3.25 inches	Volume: 46.50 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 76000.00 lb
			<u>Total Volume: 46.50 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4542.00 ft			Final 73000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	49.00 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			4522.00	
Shut In Tool	5.00			4527.00	
Hydraulic tool	5.00			4532.00	
Packer	5.00			4537.00	21.00 Bottom Of Top Packer
Packer	5.00			4542.00	
Stubb	1.00			4543.00	
Perforations	4.00			4547.00	
Recorder	0.00	6753	Inside	4547.00	
Perforations	20.00			4567.00	
Recorder	0.00	13400	Outside	4567.00	
Bullnose	3.00			4570.00	28.00 Bottom Packers & Anchor

**Total Tool Length: 49.00**



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## DRILL STEM TEST REPORT

**FLUID SUMMARY**

R & B Oil and Gas

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P.O. Box 195  
Attica, KS 67009

**32-32s-10w Barber**

Job Ticket: 21450

**DST#: 2**

ATTN: Tim Pierce

Test Start: 2006.01.03 @ 16:23:28

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 47.00 sec/qt

Water Loss: 11.79 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 7000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API  
ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
278.00	Gassy Oil 18%g 82%o	2.852
310.00	G & OCMW 30%g 20%o 30%w 20%m	3.181
248.00	Salt Water 100%w	2.545
0.00	Gas in all fluid free pipe.	0.000

Total Length: 836.00 ft      Total Volume: 8.578 bbl

Num Fluid Samples: 0

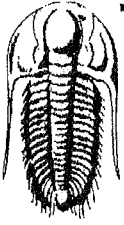
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**GAS RATES**

R & B Oil and Gas

**Traffas 'C' #1**

P.O. Box 195  
Attica, KS 67009

**32-32s-10w Barber**

Job Ticket: 21450

**DST#: 2**

ATTN: Tim Pierce

Test Start: 2006.01.03 @ 16:23:28

### 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 <sup>3</sup> /d)
1	5	0.50	20.00	232.05
1	10	0.50	24.00	259.04
1	15	0.50	25.00	265.78
1	20	0.50	24.00	259.04
1	25	0.50	21.00	238.80
1	30	0.50	21.00	238.80
2	10	0.25	62.00	121.20
2	20	0.25	84.00	156.10
2	30	0.25	87.00	160.86
2	40	0.25	84.00	156.10
2	50	0.25	77.00	145.00
2	60	0.25	73.00	138.65

189948

DST Test Number: 2

32-32s-10w Barber

Inside R & B Oil and Gas

Serial #: 6753

### Pressure vs. Time

