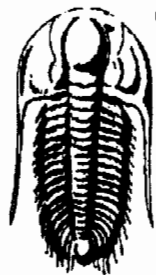


IND



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

**CONFIDENTIAL
MAR 25 2008
KCC**

Prepared For: **Woolsey Operating Co LLC**

125 N Market Ste 1000
Wichita KS 67202

ATTN: Corry Tinsmon

4 34 11 Barber KS

Forester C#1

Start Date: 2007.12.03 @ 16:50:59
End Date: 2007.12.04 @ 03:47:29
Job Ticket #: 29782 DST #: 1

Woolsey Operating Co LLC
Forester C#1
4 34 11 Barber KS
DST # 1
Miss.
2007.12.03

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

**RECEIVED
KANSAS CORPORATION COMMISSION
MAR 25 2008
CONSERVATION DIVISION
WICHITA, KS**



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Woolsey Operating Co LLC

Forester C#1

125 N Market Ste 1000
Wichita KS 67202

4 34 11 Barber KS

Job Ticket: 29782

DST#: 1

ATTN: Corry Tinsmon

Test Start: 2007.12.03 @ 16:50:59

GENERAL INFORMATION:

Formation: **Miss.**

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

Time Tool Opened: 20:18:59

Time Test Ended: 03:47:29

Test Type: **Conventional Bottom Hole**

Tester: **Esak Hadley**

Unit No: **23**

Interval: **4473.00 ft (CF) To 4535.00 ft (CF) (TVD)**

Reference Elevations: **1368.00 ft (KB)**

Total Depth: **4535.00 ft (CF) (TVD)**

1359.00 ft (CF)

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

KB to GR/CF: **9.00 ft**

Serial #: 8319

Inside

Press@RunDepth: **59.36 psig @ 4474.00 ft (CF)**

Capacity: **7000.00 psig**

Start Date: **2007.12.03**

End Date:

2007.12.04

Last Calib.: **2007.12.04**

Start Time: **16:51:04**

End Time:

03:47:29

Time On Btrr: **2007.12.03 @ 20:05:44**

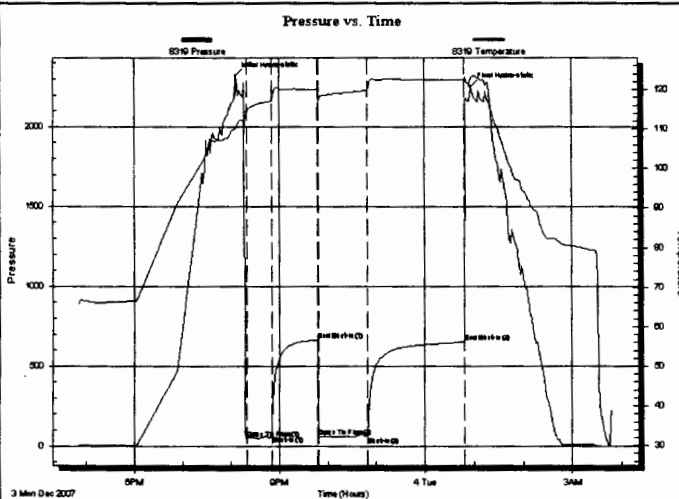
Time Off Btrr: **2007.12.04 @ 00:56:29**

TEST COMMENT: IF Strong blow BOB in 60 sec. GTS in 15 min. (see gas flow report)

ISI No blow

FF Strong blow BOB in 2 sec. (see gas flow report)

FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2319.27	110.15	Initial Hydro-static
14	47.07	114.63	Open To Flow(1)
45	67.10	117.05	Shut-In(1)
102	663.14	120.14	End Shut-In(1)
103	58.85	116.79	Open To Flow(2)
163	59.36	119.71	Shut-In(2)
283	649.07	122.48	End Shut-In(2)
291	2254.40	122.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	DM	1.47

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	8.00	8.38
Last Gas Rate	0.13	6.00	7.64
Max. Gas Rate	0.13	8.00	8.38



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Co LLC

Forester C#1

125 N Market Ste 1000
Wichita KS 67202

4 34 11 Barber KS

Job Ticket: 29782

DST#: 1

ATTN: Corry Tinsmon

Test Start: 2007.12.03 @ 16:50:59

Tool Information

Drill Pipe:	Length: 4435.00 ft	Diameter: 3.80 inches	Volume: 62.21 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:	24000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	72000.00 lb
			<u>Total Volume: 62.36 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4473.00 ft			Final	61000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	62.00 ft				
Tool Length:	89.00 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			4447.00	
Shut In Tool	5.00			4452.00	
Hydraulic tool	5.00			4457.00	
Jars	5.00			4462.00	
Safety Joint	2.00			4464.00	
Packer	4.00			4468.00	27.00 Bottom Of Top Packer
Packer	5.00			4473.00	
Stubb	1.00			4474.00	
Recorder	0.00	8319	inside	4474.00	
Recorder	0.00	8289	inside	4474.00	
Perforations	22.00			4496.00	
Change Over Sub	1.00			4497.00	
Blank Spacing	32.00			4529.00	
Change Over Sub	1.00			4530.00	
Bullnose	5.00			4535.00	62.00 Bottom Packers & Anchor

Total Tool Length: 89.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co LLC

Forester C#1

125 N Market Ste 1000
Wichita KS 67202

4 34 11 Barber KS

Job Ticket: 29782

DST#: 1

ATTN: Corry Tinsmon

Test Start: 2007.12.03 @ 16:50:59

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: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	DM	1.471

Total Length: 125.00 ft

Total Volume: 1.462 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

Woolsey Operating Co LLC

Forester C#1

125 N Market Ste 1000
Wichita KS 67202

4 34 11 Barber KS

Job Ticket: 29782

DST#: 1

ATTN: Corry Tinsmon

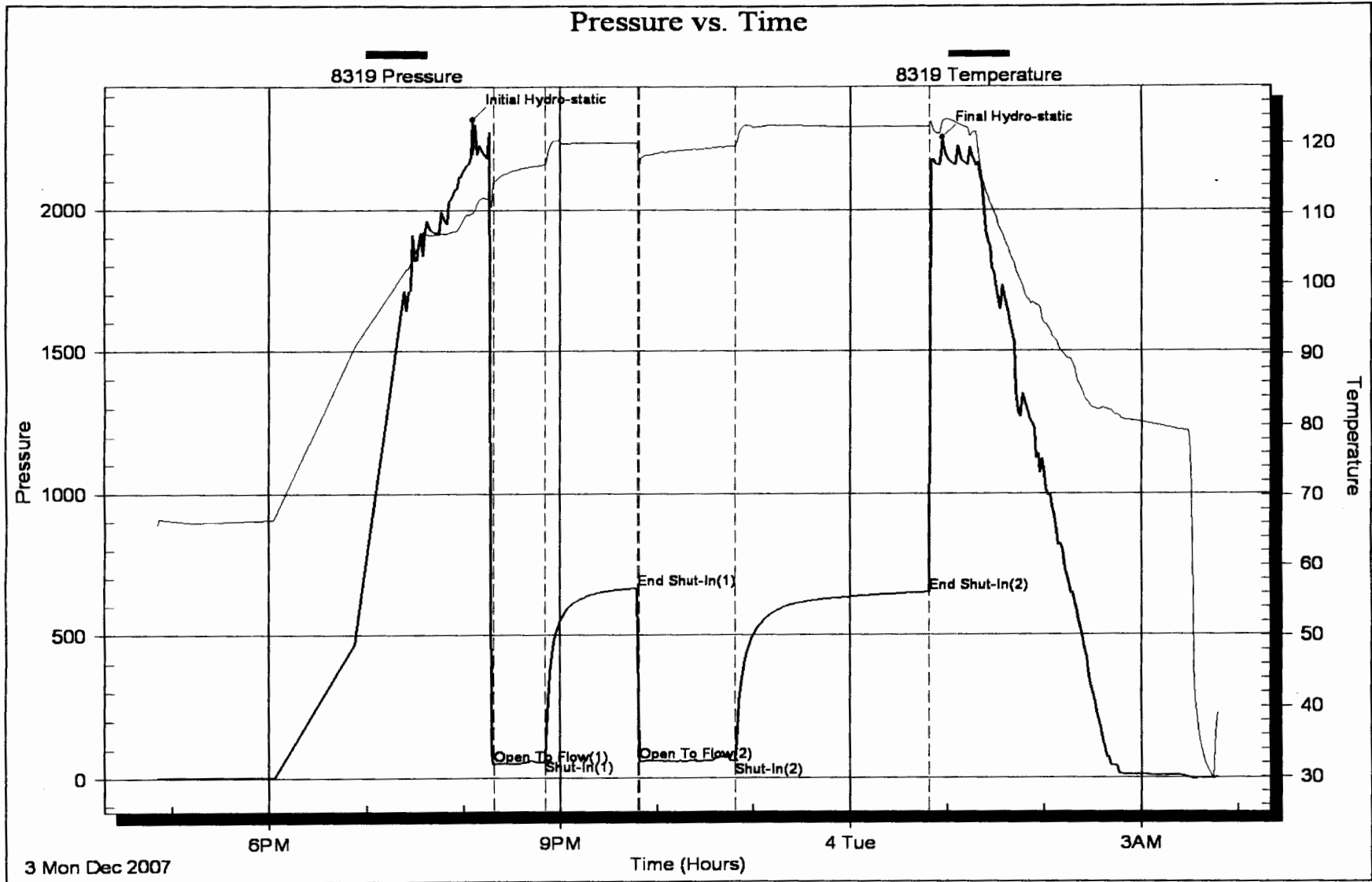
Test Start: 2007.12.03 @ 16:50:59

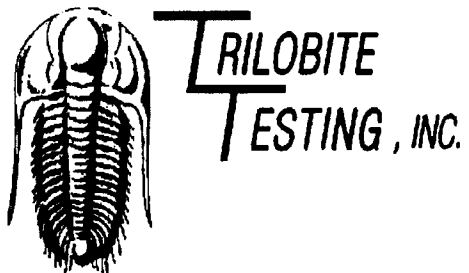
Gas Rates Information

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)
1	20	0.13	8.00	8.38
1	20	0.13	8.00	8.38
1	25	0.13	8.00	8.38
1	30	0.13	8.00	8.38
2	10	0.13	8.00	8.38
2	20	0.13	0.00	5.39
2	30	0.13	7.00	8.01
2	40	0.13	6.00	7.64
2	50	0.13	6.00	7.64
2	60	0.13	6.00	7.64





DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co LLC**

125 N Market Ste 1000
Wichita KS 67202

ATTN: Cory Tinsmon

4 34 11 Barber KS

Forester C#1

Start Date: 2007.12.04 @ 18:58:48

End Date: 2007.12.05 @ 05:15:33

Job Ticket #: 29783 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Woolsey Operating Co LLC

Forester C#1

4 34 11 Barber KS

DST # 2

Miss.

2007.12.04



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Woolsey Operating Co LLC

125 N Market Ste 1000
Wichita KS 67202

ATTN: Corry Tinsmon

Forester C#1

4 34 11 Barber KS

Job Ticket: 29783

DST#: 2

Test Start: 2007.12.04 @ 18:58:48

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (CF)

Time Tool Opened: 21:57:48

Time Test Ended: 05:15:33

Test Type: Conventional Bottom Hole

Tester: Esak Hadley

Unit No: 23

Interval: **4535.00 ft (CF) To 4570.00 ft (CF) (TVD)**

Total Depth: 4535.00 ft (CF) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1368.00 ft (KB)

1359.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8319 Inside

Press@RunDepth: 35.05 psig @ 4536.00 ft (CF)

Start Date: 2007.12.04

End Date:

2007.12.05

Start Time: 18:58:53

End Time:

05:15:33

Capacity: 7000.00 psig

Last Calib.: 2007.12.05

Time On Btm: 2007.12.04 @ 21:55:33

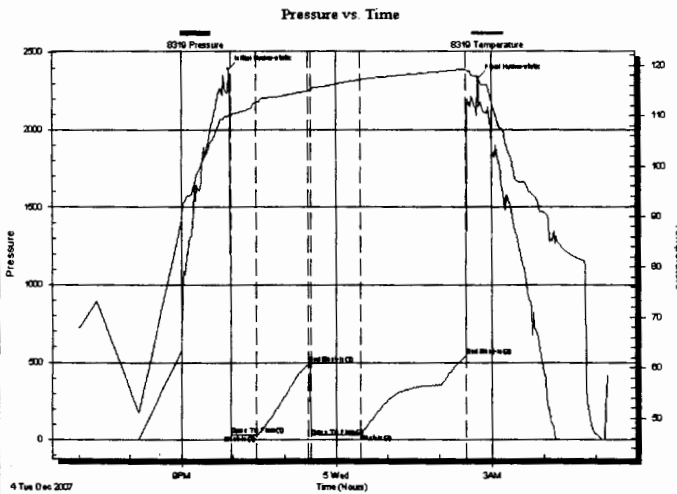
Time Off Btm: 2007.12.05 @ 02:44:48

TEST COMMENT: IF Weak blow Slow increase to 5"

ISI Weak blow 0 - 1/2"

FF Fair blow BOB in 15 min.

FSI Weak blow 0 - 1/2"



PRESSURE SUMMARY

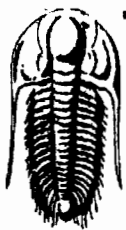
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2391.79	109.94	Initial Hydro-static
3	29.30	109.07	Open To Flow (1)
33	28.79	112.58	Shut-In(1)
93	490.78	114.86	End Shut-In(1)
96	21.89	114.84	Open To Flow (2)
153	35.05	117.09	Shut-In(2)
274	539.18	119.20	End Shut-In(2)
290	2337.52	117.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	DM	0.59

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Co LLC

Forester C#1

125 N Market Ste 1000
Wichita KS 67202

4 34 11 Barber KS

Job Ticket: 29783

DST#: 2

ATTN: Corry Tinsmon

Test Start: 2007.12.04 @ 18:58:48

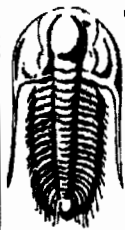
Tool Information

Drill Pipe:	Length: 4499.00 ft	Diameter: 3.80 inches	Volume: 63.11 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: 24000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 63.26 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	4535.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	62.00 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			4509.00	
Shut In Tool	5.00			4514.00	
Hydraulic tool	5.00			4519.00	
Jars	5.00			4524.00	
Safety Joint	2.00			4526.00	
Packer	4.00			4530.00	27.00 Bottom Of Top Packer
Packer	5.00			4535.00	
Stubb	1.00			4536.00	
Recorder	0.00	8319	Inside	4536.00	
Recorder	0.00	8289	Inside	4536.00	
Perforations	29.00			4565.00	
Bullnose	5.00			4570.00	35.00 Bottom Packers & Anchor

Total Tool Length: 62.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co LLC

Forester C#1

125 N Market Ste 1000
Wichita KS 67202

4 34 11 Barber KS

Job Ticket: 29783

DST#: 2

ATTN: Corry Tinsmon

Test Start: 2007.12.04 @ 18:58:48

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: 78.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.76 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	DM	0.587

Total Length: 62.00 ft Total Volume: 0.587 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

