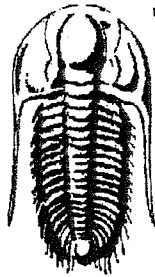


15-195-22500



**TRILOBITE
TESTING, INC.**

Tengasco Inc

Howard # 2

8 15 25W Trego KS

DST # 1

Mississippi

2007.11.06

DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc**

PO Box 458
Hays KS 67601

ATTN: Rod Trembley

8 15 25W Trego KS

Howard # 2

Start Date: 2007.11.06 @ 17:17:03

End Date: 2007.11.06 @ 23:33:03

Job Ticket #: 30480 DST #: 1

15-195-22500

NW NE SW SE

1218 FSL 1827 FEL

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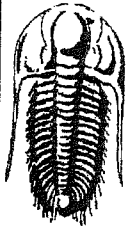
JAN 09 2008

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

Tengasco Inc
 PO Box 458
 Hays KS 67601
 ATTN: Rod Trembley

Howard # 2
8 15 25W Trego KS
 Job Ticket: 30480 **DST#: 1**
 Test Start: 2007.11.06 @ 17:17:03

GENERAL INFORMATION:

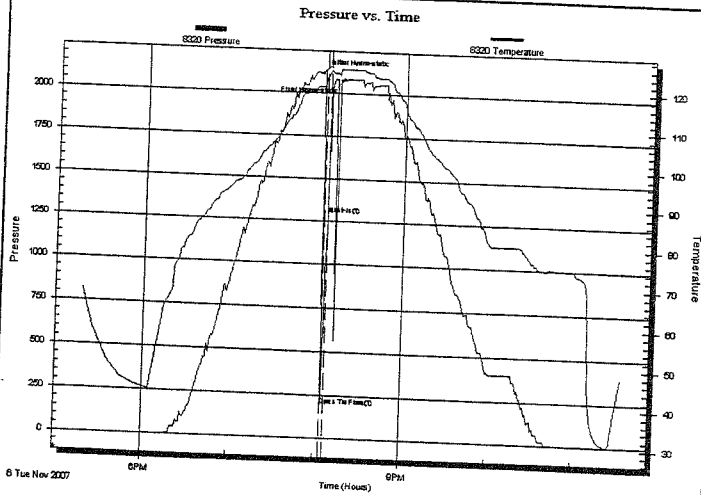
Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:04:03
 Time Test Ended: 23:33:03
 Interval: **4306.00 ft (KB) To 4341.00 ft (KB) (TVD)**
 Total Depth: 4500.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Straddle
 Tester: Tyson Flax
 Unit No: 21
 Reference Elevations: 2390.00 ft (KB)
 2383.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8320 Inside
 Press@RunDepth: psig @ 4319.00 ft (KB)
 Start Date: 2007.11.06 End Date: 2007.11.06
 Start Time: 17:17:04 End Time: 23:33:03

Capacity: 7000.00 psig
 Last Calib.: 2007.11.06
 Time On Btm: 2007.11.06 @ 20:01:03
 Time Off Btm: 2007.11.06 @ 20:15:33

TEST COMMENT: IFP Weak blow built to 4" packers failed pulled tool



PRESSURE SUMMARY

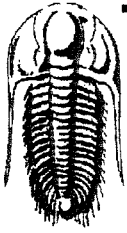
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2117.94	120.12	Initial Hydro-static
3	195.48	122.50	Open To Flow (1)
6	1287.66	124.13	Shut-In (1)
15	2081.08	124.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
840.00	DM	11.39

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco Inc
PO Box 458
Hays KS 67601

Howard # 2
8 15 25W Trego KS
Job Ticket: 30480 **DST#: 1**
Test Start: 2007.11.06 @ 17:17:03

ATTN: Rod Trembley

Tool Information

Drill Pipe:	Length: 4046.00 ft	Diameter: 4.21 inches	Volume: 69.66 bbl	Tool Weight: 2500.00 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: 250.00 ft	Diameter: 2.25 inches	Volume: 1.23 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 70.89 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4306.00 ft			Final 79000.00 lb
Depth to Bottom Packer:	4341.00 ft			
Interval between Packers:	35.00 ft			
Tool Length:	217.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

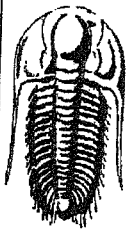
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4286.00	
Shut In Tool	5.00			4291.00	
Hydraulic tool	5.00			4296.00	
Packer	5.00			4301.00	21.00 Bottom Of Top Packer
Packer	5.00			4306.00	
Stubb	1.00			4307.00	
Perforations	12.00			4319.00	
Recorder	0.00	8320	Inside	4319.00	
Perforations	19.00			4338.00	
Recorder	0.00	13362	Inside	4338.00	
Blank Off Sub	1.00			4339.00	
Stubb	2.00			4341.00	35.00 Tool Interval
Packer	2.00			4343.00	
Stubb	1.00			4344.00	
Change Over Sub	1.00			4345.00	
Blank Spacing	153.00			4498.00	
Change Over Sub	1.00			4499.00	
Recorder	0.00	13401	Outside	4499.00	
Bullnose	3.00			4502.00	161.00 Bottom Packers & Anchor

Total Tool Length: 217.00

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CONSERVATION DIVISION
WICHITA, KS



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc

Howard # 2

PO Box 458
Hays KS 67601

8 15 25W Trego KS

ATTN: Rod Trembley

Job Ticket: 30480

DST#: 1

Test Start: 2007.11.06 @ 17:17:03

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 69.00 sec/qt

Water Loss: 8.79 in³

Resistivity: ohm.m

Salinity: 2000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
840.00	DM	11.388

Total Length: 840.00 ft Total Volume: 11.388 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

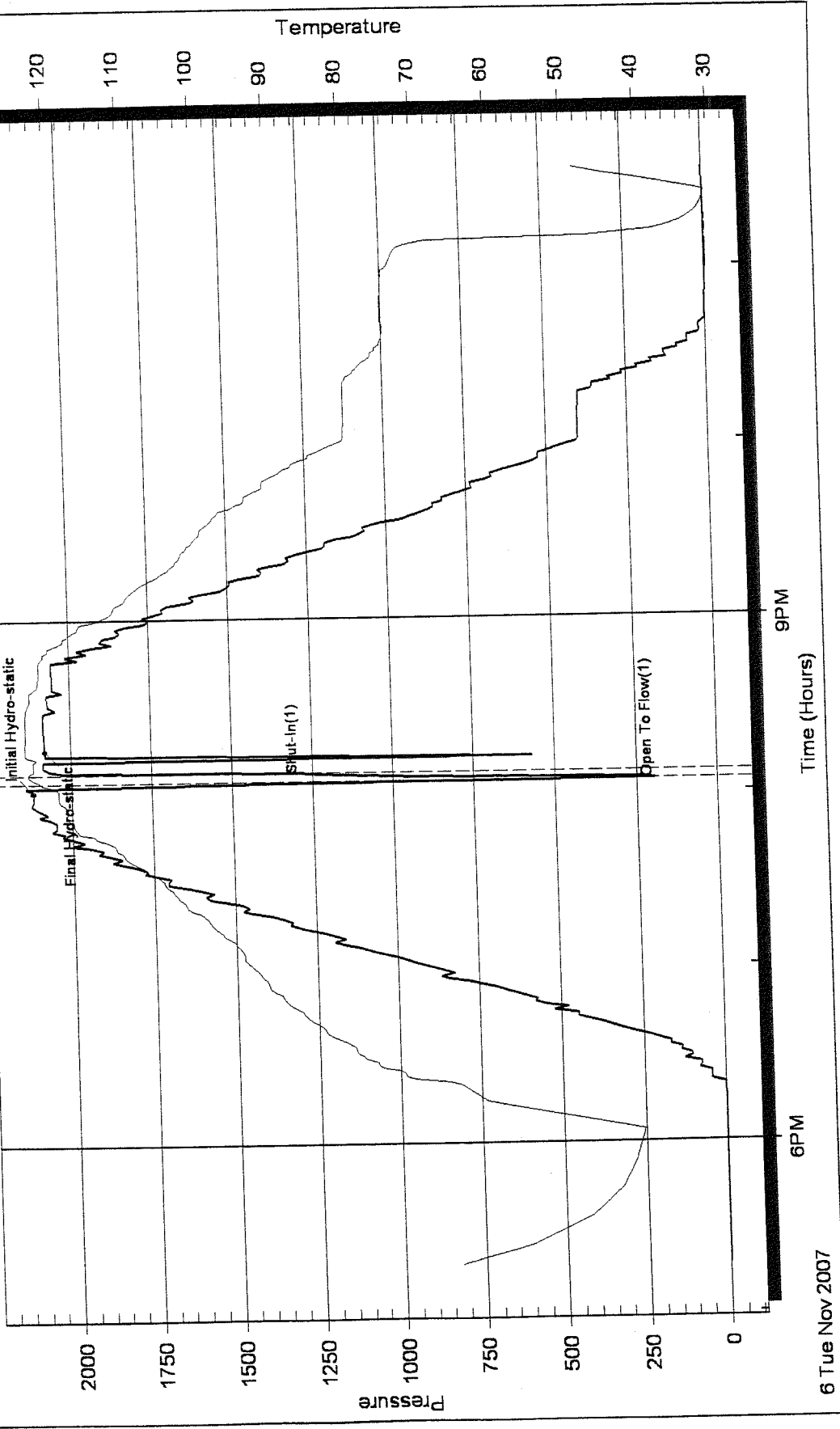
Laboratory Location:

Recovery Comments:

Pressure vs. Time

8320 Temperature

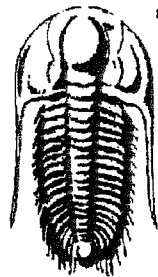
8320 Pressure



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Trilobite Testing, Inc.

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CONSERVATION DIVISION
WICHITA, KS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc**

PO Box 458
Hays KS 67601

ATTN: Rod Trembley

8 15 25W Trego KS

Howard # 2

Start Date: 2007.11.06 @ 23:38:45

End Date: 2007.11.07 @ 09:02:45

Job Ticket #: 30481 DST #: 2

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

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CONSERVATION DIVISION
WICHITA, KS

Tengasco Inc

Howard # 2

8 15 25W Trego KS

DST # 2

Mississippi

2007.11.06



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Tengasco Inc
 PO Box 458
 Hays KS 67601
 ATTN: Rod Trembley

Howard # 2
8 15 25W Trego KS
 Job Ticket: 30481 **DST#: 2**
 Test Start: 2007.11.06 @ 23:38:45

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened:
 Time Test Ended: 09:02:45
 Interval: **4257.00 ft (KB) To 4340.00 ft (KB) (TVD)**
 Total Depth: 4500.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Straddle
 Tester: Tyson Flax
 Unit No: 21
 Reference Elevations: 2390.00 ft (KB)
 2383.00 ft (CF)
 KB to GR/CF: 7.00 ft

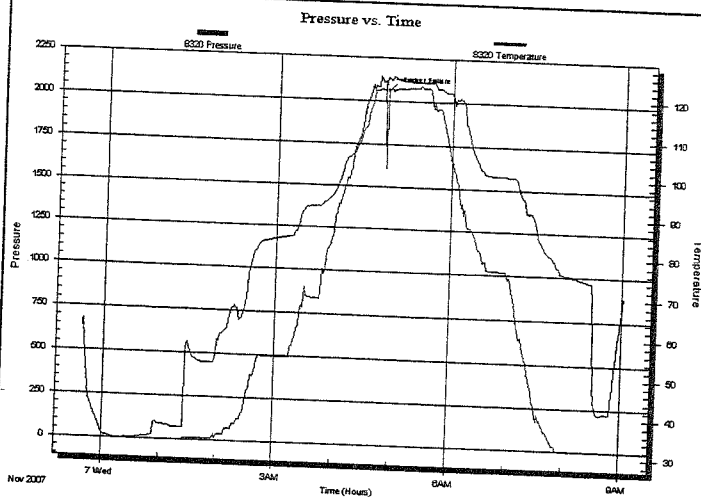
Serial #: 8320

Inside

Press@RunDepth: psig @ 4267.00 ft (KB)
 Start Date: 2007.11.06 End Date:
 Start Time: 23:38:46 End Time:

Capacity: 7000.00 psig
 Last Calib.: 2007.11.07
 Time On Btm:
 Time Off Btm:

TEST COMMENT: IFP Packer Failure



PRESSURE SUMMARY

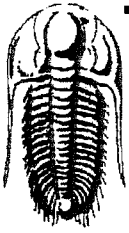
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2062.86	124.63	--Packer Failure

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

Tengasco Inc

Howard # 2

PO Box 458
Hays KS 67601

8 15 25W Trego KS

Job Ticket: 30481

DST#: 2

ATTN: Rod Trembley

Test Start: 2007.11.06 @ 23:38:45

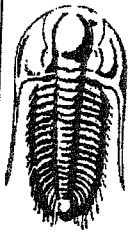
Tool Information

Drill Pipe:	Length: 4011.00 ft	Diameter: 4.21 inches	Volume: 69.06 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 250.00 ft	Diameter: 2.25 inches	Volume: 1.23 bbl	Weight to Pull Loose: lb
		Total Volume:	70.29 bbl	Tool Chased: 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4257.00 ft			Final lb
Depth to Bottom Packer:	4340.00 ft			
Interval between Packers:	83.00 ft			
Tool Length:	266.00 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			4237.00	
Shut In Tool	5.00			4242.00	
Hydraulic tool	5.00			4247.00	
Packer	5.00			4252.00	21.00 Bottom Of Top Packer
Packer	5.00			4257.00	
Stubb	1.00			4258.00	
Perforations	9.00			4267.00	
Recorder	0.00	8320	Inside	4267.00	
Change Over Sub	2.00			4269.00	
Blank Spacing	60.00			4329.00	
Change Over Sub	3.00			4332.00	
Perforations	5.00			4337.00	
Recorder	0.00	13362	Inside	4337.00	
Blank Off Sub	1.00			4338.00	
Stubb	2.00			4340.00	83.00 Tool Interval
Packer	2.00			4342.00	
Stubb	1.00			4343.00	
Change Over Sub	1.00			4344.00	
Blank Spacing	153.00			4497.00	
Change Over Sub	1.00			4498.00	
Perforations	1.00			4499.00	
Recorder	0.00	13401	Outside	4499.00	
Bullnose	3.00			4502.00	162.00 Bottom Packers & Anchor
Total Tool Length:	266.00				

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc

Howard # 2

PO Box 458
Hays KS 67601

8 15 25W Trego KS

ATTN: Rod Trembley

Job Ticket: 30481

DST#: 2

Test Start: 2007.11.06 @ 23:38:45

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 69.00 sec/qt

Water Loss: 8.79 in³

Resistivity: ohm.m

Salinity: 2000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl

Total Length: ft Total Volume: bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

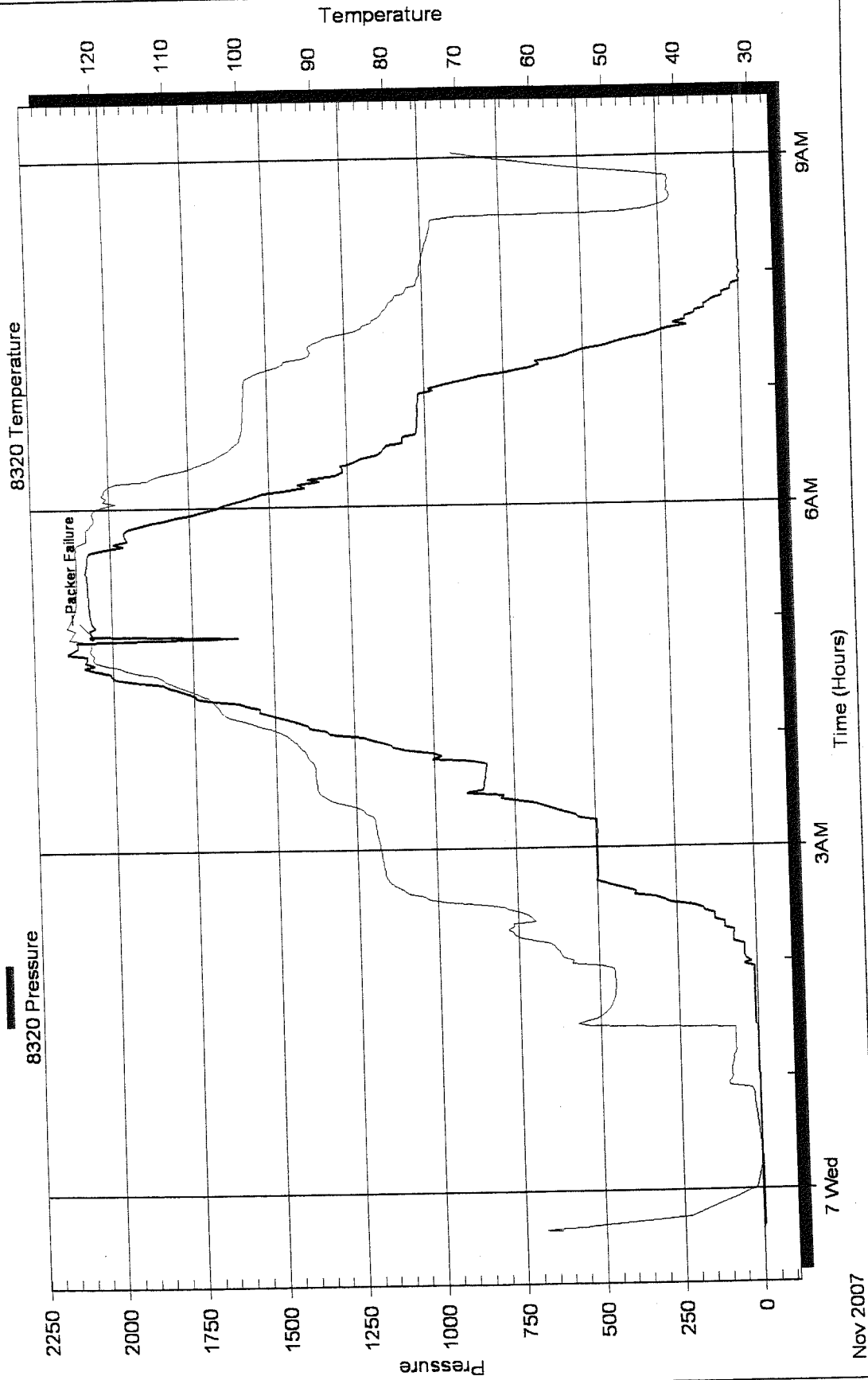
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

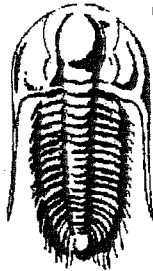
Pressure vs. Time



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Ref. No: 30481

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CONSERVATION DIVISION
WICHITA, KS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc**

PO Box 458
Hays KS 67601

ATTN: Rod Trembley

8 15 25W Trego KS

Howard # 2

Start Date: 2007.11.07 @ 09:07:10

End Date: 2007.11.07 @ 16:57:40

Job Ticket #: 30482 DST #: 3

Tengasco Inc

Howard # 2

8 15 25W Trego KS

DST # 3

Mississippi

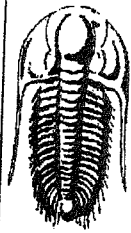
2007.11.07

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

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CONSERVATION DIVISION
WICHITA, KS



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Tengasco Inc

PO Box 458
Hays KS 67601

ATTN: Rod Trembley

Howard # 2

8 15 25W Trego KS

Job Ticket: 30482

DST#: 3

Test Start: 2007.11.07 @ 09:07:10

GENERAL INFORMATION:

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

Time Tool Opened: 11:28:10

Time Test Ended: 16:57:40

Interval: **4312.00 ft (KB) To 4339.00 ft (KB) (TVD)**

Total Depth: **4500.00 ft (KB) (TVD)**

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

Test Type: **Conventional Straddle**

Tester: **Tyson Flax**

Unit No: **21**

Reference Elevations: **2390.00 ft (KB)**

2383.00 ft (CF)

KB to GR/CF: **7.00 ft**

Serial #: 8320

Inside

Press@RunDepth: **28.34 psig @ 4322.00 ft (KB)**

Start Date: **2007.11.07**

End Date:

2007.11.07

Capacity: **7000.00 psig**

Start Time: **09:07:11**

End Time:

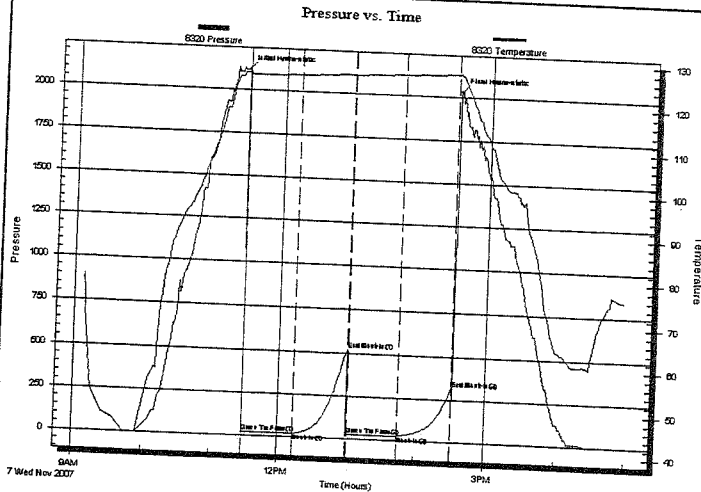
16:57:40

Last Calib.: **2007.11.07**

Time On Btm: **2007.11.07 @ 11:26:40**

Time Off Btm: **2007.11.07 @ 14:33:40**

TEST COMMENT: IFP Weak surface blow built to 1/4" blew throughout
ISI No blow back
FFP Weak surface blow died in 8 min
FSI No blow back



PRESSURE SUMMARY

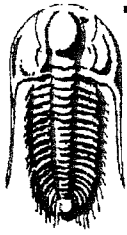
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2113.03	126.04	Initial Hydro-static
2	19.23	125.75	Open To Flow (1)
47	22.45	125.75	Shut-In (1)
93	518.89	126.32	End Shut-In (1)
94	24.39	126.26	Open To Flow (2)
138	28.34	126.64	Shut-In (2)
185	314.53	127.13	End Shut-In (2)
187	2030.13	126.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	SOCM 5%O 95%M	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco Inc

Howard # 2

PO Box 458
Hays KS 67601

8 15 25W Trego KS

Job Ticket: 30482

DST#: 3

ATTN: Rod Trembley

Test Start: 2007.11.07 @ 09:07:10

Tool Information

Drill Pipe:	Length: 4046.00 ft	Diameter: 4.21 inches	Volume: 69.66 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 250.00 ft	Diameter: 2.25 inches	Volume: 1.23 bbl	Weight to Pull Loose: 90000.00 lb
			Total Volume: 70.89 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4312.00 ft			Final 79000.00 lb
Depth to Bottom Packer:	4339.00 ft			
Interval between Packers:	27.00 ft			
Tool Length:	211.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

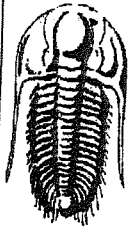
Change Over Sub	1.00			4292.00	
Shut In Tool	5.00			4297.00	
Hydraulic tool	5.00			4302.00	
Packer	5.00			4307.00	21.00 Bottom Of Top Packer
Packer	5.00			4312.00	
Stubb	1.00			4313.00	
Perforations	9.00			4322.00	
Recorder	0.00	8320	Inside	4322.00	
Perforations	14.00			4336.00	
Recorder	0.00	13362	Inside	4336.00	
Blank Off Sub	1.00			4337.00	
Stubb	2.00			4339.00	27.00 Tool Interval
Packer	2.00			4341.00	
Stubb	1.00			4342.00	
Perforations	2.00			4344.00	
Change Over Sub	1.00			4345.00	
Blank Spacing	153.00			4498.00	
Change Over Sub	1.00			4499.00	
Recorder	0.00	13401	Outside	4499.00	
Bullnose	3.00			4502.00	163.00 Bottom Packers & Anchor

Total Tool Length: 211.00

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc

Howard # 2

PO Box 458
Hays KS 67601

8 15 25W Trego KS

Job Ticket: 30482

DST#: 3

ATTN: Rod Trembley

Test Start: 2007.11.07 @ 09:07:10

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 8.79 in³

Resistivity: ohm.m

Salinity: 2000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft
bbl

psig

Oil API:

Water Salinity:

deg API
ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	SOCM 5%O 95%M	0.049

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

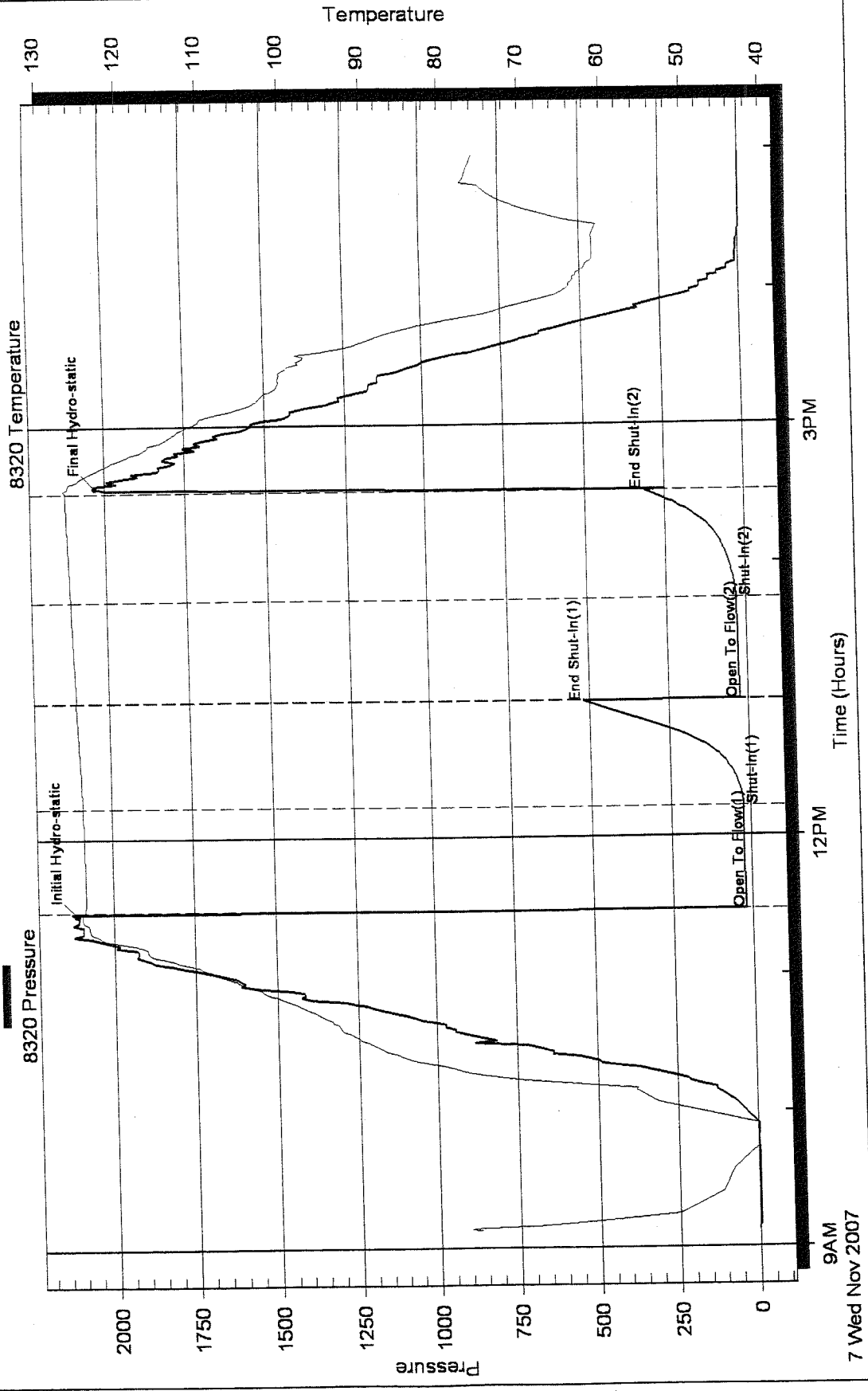
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



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Triobit & Associates, Inc. CORPORATION COMMISSION Ref. No: 30482

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WICHITA, KS