

DRILL STEM TEST REPORT

Prepared For: **Pickrell Drilling Co Inc**

100 S Main Ste 505
Wichita KS 67202

ATTN: Jerry A. Smith

7 30 6W Kingman KS

Huson A#1

Start Date: 2007.10.30 @ 07:24:51

End Date: 2007.10.30 @ 17:08:06

Job Ticket #: 30101

DST #: 1

15-095-22120-

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

CONFIDENTIAL
FEB 15 2008
KCC

Pickrell Drilling Co Inc

Huson A#1

7 30 6W Kingman KS

DST # 1

Miss.

2007.10.30

07-305-0000



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Pickrell Drilling Co Inc

100 S Main Ste 505
Wichita KS 67202

ATTN: Jerry A. Smith

Huson A#1

7 30 6W Kingman KS

Job Ticket: 30101

DST#: 1

Test Start: 2007.10.30 @ 07:24:51

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:57:36

Time Test Ended: 17:08:06

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: **4095.00 ft (KB) To 4115.00 ft (KB) (TVD)**

Total Depth: 4115.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1421.00 ft (KB)

1411.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8167

Inside

Press@RunDepth: 92.99 psig @ 4096.00 ft (KB)

Start Date: 2007.10.30

End Date: 2007.10.30

Capacity: 7000.00 psig

Last Calib.: 2007.10.30

Start Time: 07:24:56

End Time: 17:08:06

Time On Btm: 2007.10.30 @ 09:55:21

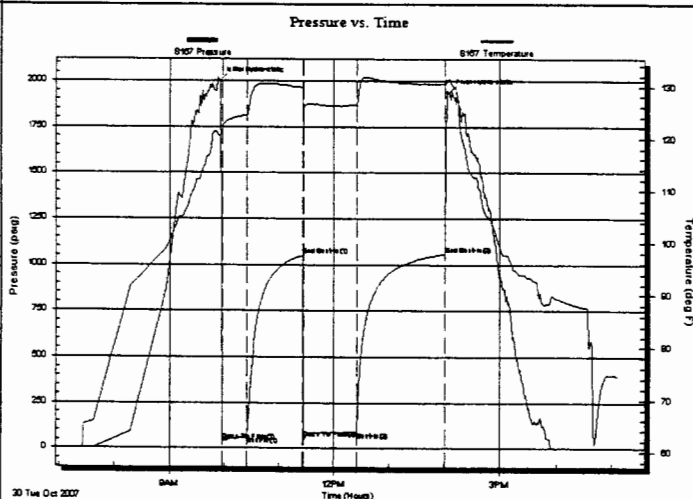
Time Off Btm: 2007.10.30 @ 14:04:36

TEST COMMENT: IF Strong blow BOB in 5 - 10 secs. GTS in 17 mins. (see gas flow report)

ISI Weak blow 1/2 - 1 "

FF Strong blow (see gas flow report)

FSI Weak blow 1 - 2 "



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1998.35	120.45	Initial Hydro-static
3	40.29	122.02	Open To Flow (1)
30	62.60	124.47	Shut-In(1)
91	1050.22	129.82	End Shut-In(1)
92	53.58	125.52	Open To Flow (2)
151	92.99	126.52	Shut-In(2)
246	1057.67	130.45	End Shut-In(2)
250	1937.13	131.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GOCMW 19%G 26%O 21%M 34%W Rv	0.59
0.00	OHMS@ 71 deg.	0.00
130.00	GOCWM 40%G 18%O 15%W 27%M	1.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	4.00	29.19
Last Gas Rate	0.25	12.50	42.67
Max. Gas Rate	0.25	12.50	42.67

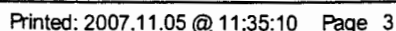


Test Start: 2007.10.30 @ 07:24:51

KB to GR/CF: 10.00 ft

Time Off Btm:

FSI Weak blow 1 - 2 "





TRILOBITE
TESTING, INC

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TOOL DIAGRAM

Pickrell Drilling Co Inc

100 S Main Ste 505
Wichita KS 67202

ATTN: Jerry A. Smith

Huson A#1

7 30 6W Kingman KS

Job Ticket: 30101

DST#: 1

Test Start: 2007.10.30 @ 07:24:51

Tool Information

Drill Pipe:	Length: 3887.00 ft	Diameter: 3.80 inches	Volume: 54.52 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:	23000.00 lb
Drill Collar:	Length: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose:	111000.0 lb
		Total Volume:	55.55 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	72000.00 lb
Depth to Top Packer:	4095.00 ft			Final	72000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	20.00 ft				
Tool Length:	43.00 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			4073.00	
Shut in Tool	5.00			4078.00	
Hydraulic tool	5.00			4083.00	
Safety Joint	3.00			4086.00	
Packer	4.00			4090.00	23.00 Bottom Of Top Packer
Packer	5.00			4095.00	
Stubb	1.00			4096.00	
Recorder	0.00	8167	Inside	4096.00	
Recorder	0.00	8357	Outside	4096.00	
Perforations	14.00			4110.00	
Bullnose	5.00			4115.00	20.00 Bottom Packers & Anchor

Total Tool Length: 43.00



**TRILOBITE
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FLUID SUMMARY

Pickrell Drilling Co Inc

Huson A#1

100 S Main Ste 505
Wichita KS 67202

7 30 6W Kingman KS

Job Ticket: 30101

DST#: 1

ATTN: Jerry A. Smith

Test Start: 2007.10.30 @ 07:24:51

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:

39500 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	GOCMW 19%G 26%O 21%M 34%W Rw .18	0.590
0.00	OHMS@ 71 deg.	0.000
130.00	GOCMW 40%G 18%O 15%W 27%M	1.004

Total Length: 250.00 ft

Total Volume:

1.594 bbl

Num Fluid Samples: 0

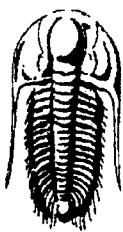
Num Gas Bombs: 1

Serial #: gp-1

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



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GAS RATES

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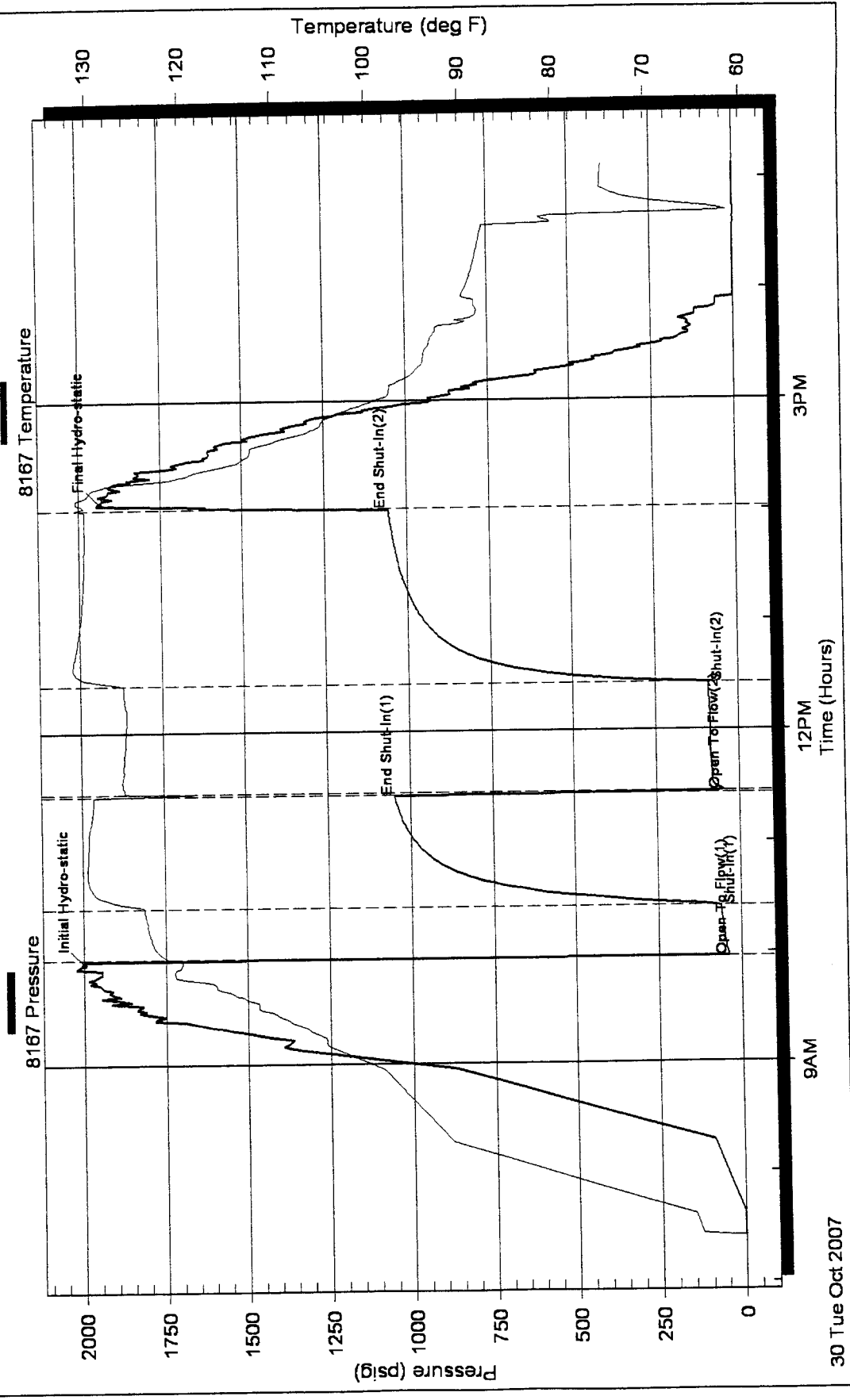
Gas Rates Information

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)
1	20	0.25	4.00	29.19
1	20	0.25	4.00	29.19
1	30	0.25	5.50	31.57
2	10	0.25	11.00	40.30
2	20	0.25	12.00	41.88
2	30	0.25	12.00	41.88
2	50	0.25	12.00	41.88
2	60	0.25	12.50	42.67

Pressure vs. Time



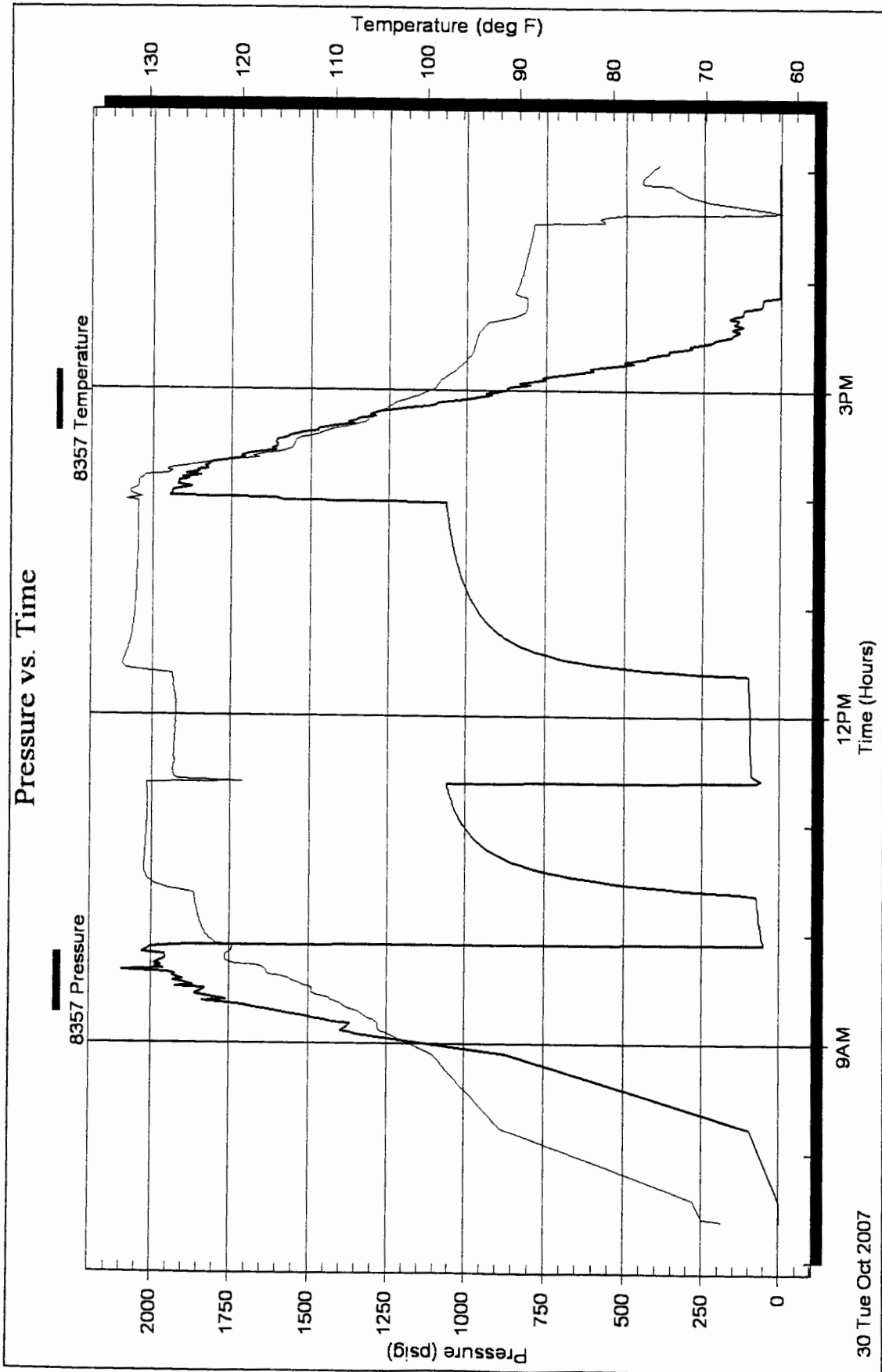
204713

DST Test Number: 1

7 30 6W Kingman KS

Outside Rickrell Drilling Co Inc

Serial #: 8357



Trilobite Testing, Inc

Ref. No: 30101

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