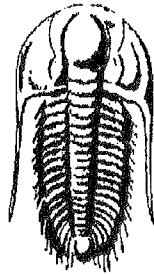


15-163-23629

16-8s-18w



TRILOBITE
TESTING, INC.

KCC
SEP 26 2007
CONFIDENTIAL

DRILL STEM TEST REPORT

Prepared For: **FIML**

410 17th St Ste 900
Denver CO 80202

ATTN: Jim Musgrove

16 8 18W Rooks KS

Williams #9 16-818

Start Date: 2007.09.01 @ 10:37:18

End Date: 2007.09.01 @ 16:16:18

Job Ticket #: 30580 DST #: 1

RECEIVED
KANSAS CORPORATION COMMISSION

SEP 28 2007

CONSERVATION DIVISION
WICHITA, KS

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

FIML

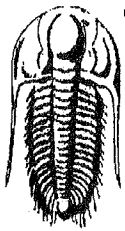
Williams #9 16-818

16 8 18W Rooks KS

DST # 1

LKC

2007.09.01



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FIML

410 17th St Ste 900
Denver CO 80202

ATTN: Jim Musgrove

Williams #9 16-818

16 8 18W Rooks KS

Job Ticket: 30580

DST#: 1

Test Start: 2007.09.01 @ 10:37:18

GENERAL INFORMATION:

Formation: **LKC**

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

Time Tool Opened: 12:34:03

Time Test Ended: 16:16:18

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 21

Interval: **3165.00 ft (KB) To 3226.00 ft (KB) (TVD)**

Total Depth: **3226.00 ft (KB) (TVD)**

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

Reference Elevations: **1937.00 ft (KB)**

1932.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 8290

Inside

Press@RunDepth: **39.14 psig @ 3173.00 ft (KB)**

Start Date: **2007.09.01**

End Date:

2007.09.01

Start Time: **10:37:20**

End Time:

16:16:18

Capacity: **7000.00 psig**

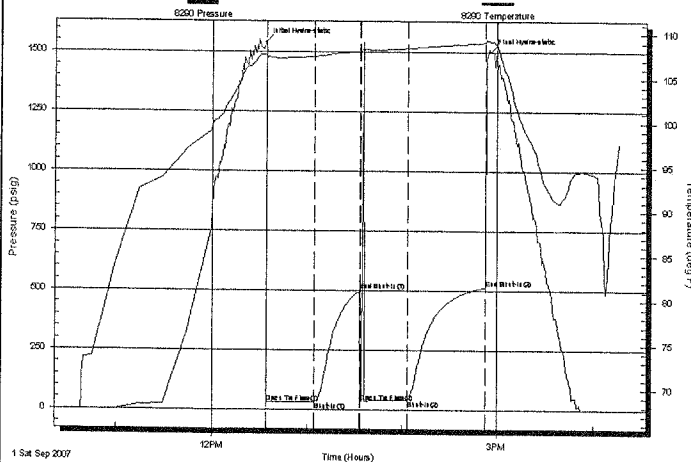
Last Callb.: **2007.09.01**

Time On Btm: **2007.09.01 @ 12:33:18**

Time Off Btm: **2007.09.01 @ 14:55:33**

TEST COMMENT: IFP Weak surface blow died in 9.5 min
ISI No blow back
FFP No blow flushed tool no blow
FSI No blow back

Pressure vs. Time



PRESSURE SUMMARY

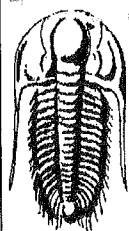
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1541.45	107.70	Initial Hydro-static
1	29.78	107.10	Open To Flow (1)
32	33.22	107.47	Shut-In (1)
60	498.65	108.03	End Shut-In (1)
61	34.28	107.77	Open To Flow (2)
90	39.14	108.37	Shut-In (2)
140	514.24	109.02	End Shut-In (2)
143	1502.60	109.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud w/ scum of Oil	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

FIML

410 17th St Ste 900
Denver CO 80202

ATTN: Jim Musgrove

Williams #9 16-818

16 8 18W Rooks KS

Job Ticket: 30580

DST#: 1

Test Start: 2007.09.01 @ 10:37:18

Tool Information

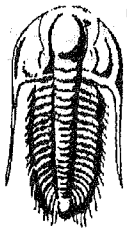
Drill Pipe:	Length: 3052.00 ft	Diameter: 3.82 inches	Volume: 43.26 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 50000.00 lb
			Total Volume: 43.85 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3165.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	61.00 ft			
Tool Length:	82.00 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			3145.00	
Shut In Tool	5.00			3150.00	
Hydraulic tool	5.00			3155.00	
Packer	5.00			3160.00	21.00 Bottom Of Top Packer
Packer	5.00			3165.00	
Stubb	1.00			3166.00	
Perforations	6.00			3172.00	
Change Over Sub	1.00			3173.00	
Recorder	0.00	8290	Inside	3173.00	
Blank Spacing	31.00			3204.00	
Change Over Sub	1.00			3205.00	
Perforations	18.00			3223.00	
Recorder	0.00	3351	Inside	3223.00	
Bullnose	3.00			3226.00	61.00 Bottom Packers & Anchor
Total Tool Length:		82.00			

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CONSERVATION DIVISION
WICHITA, KS



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

FIML

Williams #9 16-818

410 17th St Ste 900
Denver CO 80202

16 8 18W Rooks KS

Job Ticket: 30580

DST#: 1

ATTN: Jim Musgrove

Test Start: 2007.09.01 @ 10:37:18

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 7.60 in³

Resistivity: ohm.m

Salinity: 2200.00 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
5.00	Mud w / scum of Oil	0.025

Total Length:

5.00 ft

Total Volume:

0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

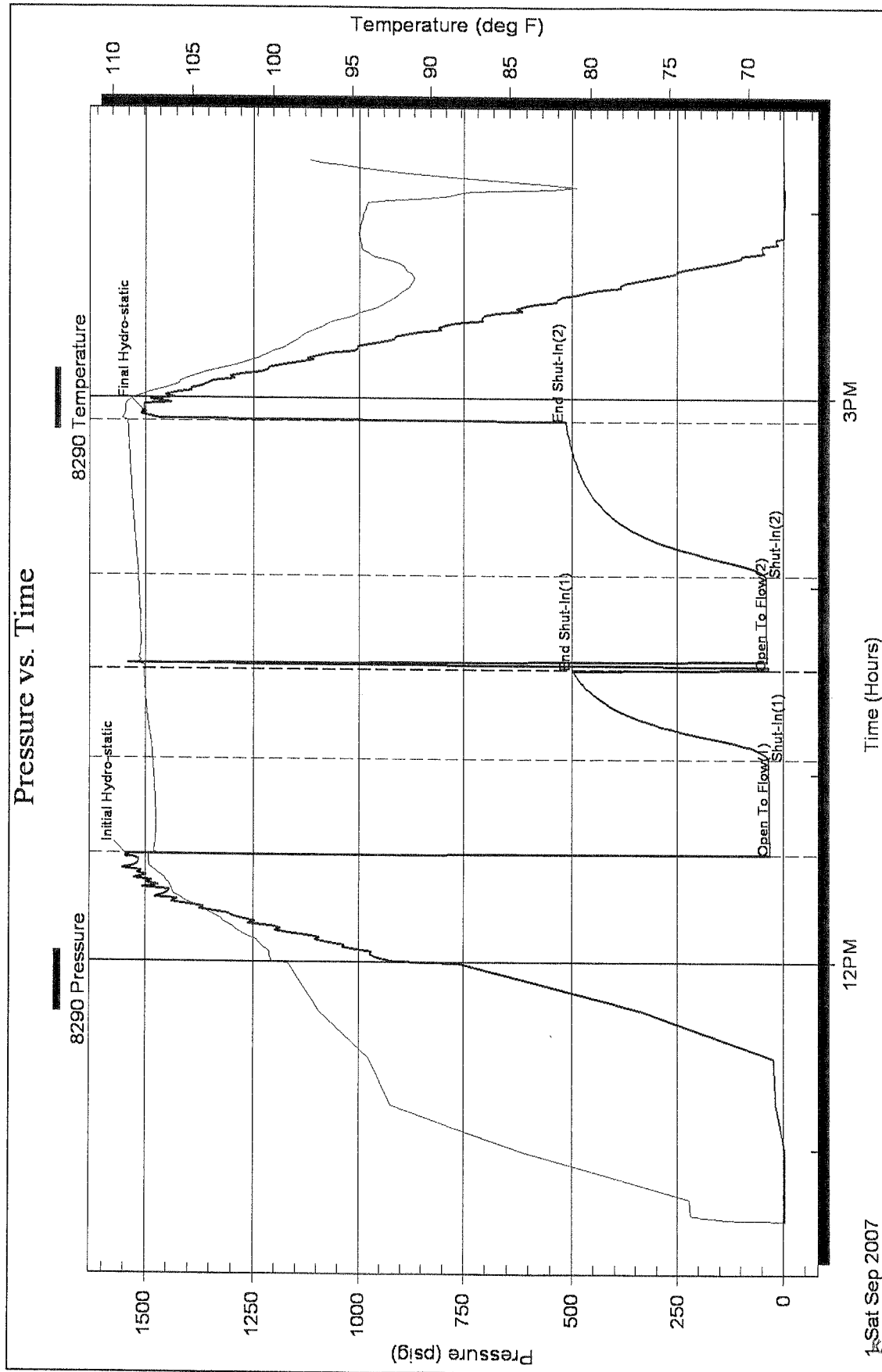
16 8 18W Rooks KS

FIML

Inside

Serial #: 8290

Pressure vs. Time



Ref. No: 30580

Trillium Testing, Inc

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