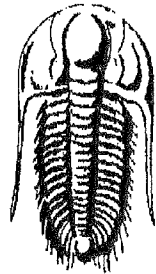


15-171-20662

16-19s-31w

16-19-31W



**TRILOBITE
TESTING, INC.**

**KCC
SEP 19 2007
CONFIDENTIAL**

DRILL STEM TEST REPORT

Prepared For: **FIML Natural Resources LLC**

410 17th St Ste 900
Denver CO 80202

ATTN: Jim Musgrove

16 19 31 Scott KS

Dearden 3 16 1931

Start Date: 2007.07.04 @ 06:30:00

End Date: 2007.07.04 @ 16:56:45

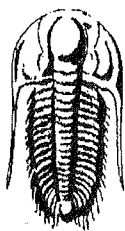
Job Ticket #: 27829 DST #: 1

**RECEIVED
KANSAS CORPORATION COMMISSION**

SEP 24 2007

**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

FIML Natural Resources LLC

410 17th St Ste 900
Denver CO 80202

ATTN: Jim Musgrove

Dearden 3 16 1931

16 19 31 Scott KS

Job Ticket: 27829

DST#: 1

Test Start: 2007.07.04 @ 06:30:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:51:15

Time Test Ended: 16:56:45

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

Interval: **4351.00 ft (KB) To 4402.00 ft (KB) (TVD)**

Total Depth: 4402.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2977.00 ft (KB)

2967.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8017

Inside

Press@RunDepth: 1134.17 psig @ 4352.00 ft (KB)

Start Date: 2007.07.04

End Date:

2007.07.04

Start Time: 06:30:01

End Time:

16:56:45

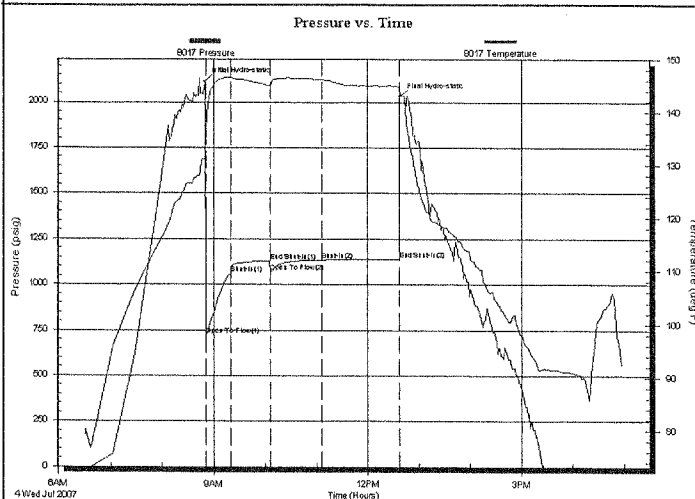
Capacity: 7000.00 psig

Last Calib.: 2007.07.04

Time On Btm: 2007.07.04 @ 08:50:00

Time Off Btm: 2007.07.04 @ 12:37:45

TEST COMMENT: IF BOB @ 30 sec.
ISI BOB @ 9 min.
FF BOB
FSI 2" return died @ 1 hour



PRESSURE SUMMARY

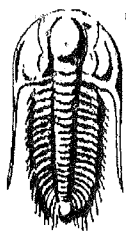
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2112.92	131.08	Initial Hydro-static
2	719.74	136.33	Open To Flow (1)
30	1059.63	146.53	Shut-In (1)
76	1129.74	145.04	End Shut-In (1)
76	1066.71	144.99	Open To Flow (2)
136	1134.17	146.09	Shut-In (2)
228	1140.00	144.75	End Shut-In (2)
228	2030.51	144.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	GOCM 20%G 10%O 70%M	0.61
927.00	GO 50%G 50%O	12.45
189.00	OG 40%O 60%G	2.65
1638.00	GO 40%G 60%O	22.98

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

FIML Natural Resources LLC

Dearden 3 16 1931

410 17th St Ste 900
Denver CO 80202

16 19 31 Scott KS

ATTN: Jim Musgrove

Job Ticket: 27829

DST#: 1

Test Start: 2007.07.04 @ 06:30:00

Tool Information

Drill Pipe:	Length: 4166.00 ft	Diameter: 3.80 inches	Volume: 58.44 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 185.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose:	125000.0 lb
			Total Volume: 59.35 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	74000.00 lb
Depth to Top Packer:	4351.00 ft			Final	84000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	51.00 ft				
Tool Length:	82.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

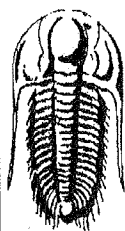
Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4321.00	
Shut In Tool	5.00			4326.00	
Sampler	3.00			4329.00	
Hydraulic tool	5.00			4334.00	
Jars	5.00			4339.00	
Safety Joint	3.00			4342.00	
Packer	5.00			4347.00	31.00 Bottom Of Top Packer
Packer	4.00			4351.00	
Stubb	1.00			4352.00	
Recorder	0.00	8017	Inside	4352.00	
Perforations	13.00			4365.00	
Change Over Sub	1.00			4366.00	
Drill Pipe	30.00			4396.00	
Change Over Sub	1.00			4397.00	
Recorder	0.00	13309	Inside	4397.00	
Bullnose	5.00			4402.00	51.00 Bottom Packers & Anchor
Total Tool Length:		82.00			

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WICHITA, KS



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

FIML Natural Resources LLC

Dearden 3 16 1931

410 17th St Ste 900
Denver CO 80202

16 19 31 Scott KS

ATTN: Jim Musgrove

Job Ticket: 27829

DST#: 1

Test Start: 2007.07.04 @ 06:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API: 35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length: ft

Water Salinity: 0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume: bbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure: psig

Salinity: 1700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	GOCM 20%G 10%O 70%M	0.610
927.00	GO 50%G 50%O	12.448
189.00	OG 40%O 60%G	2.651
1638.00	GO 40%G 60%O	22.977

Total Length: 2878.00 ft Total Volume: 38.686 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 330 Feet of GIP

API: 32 @ 90 degrees F = 35.

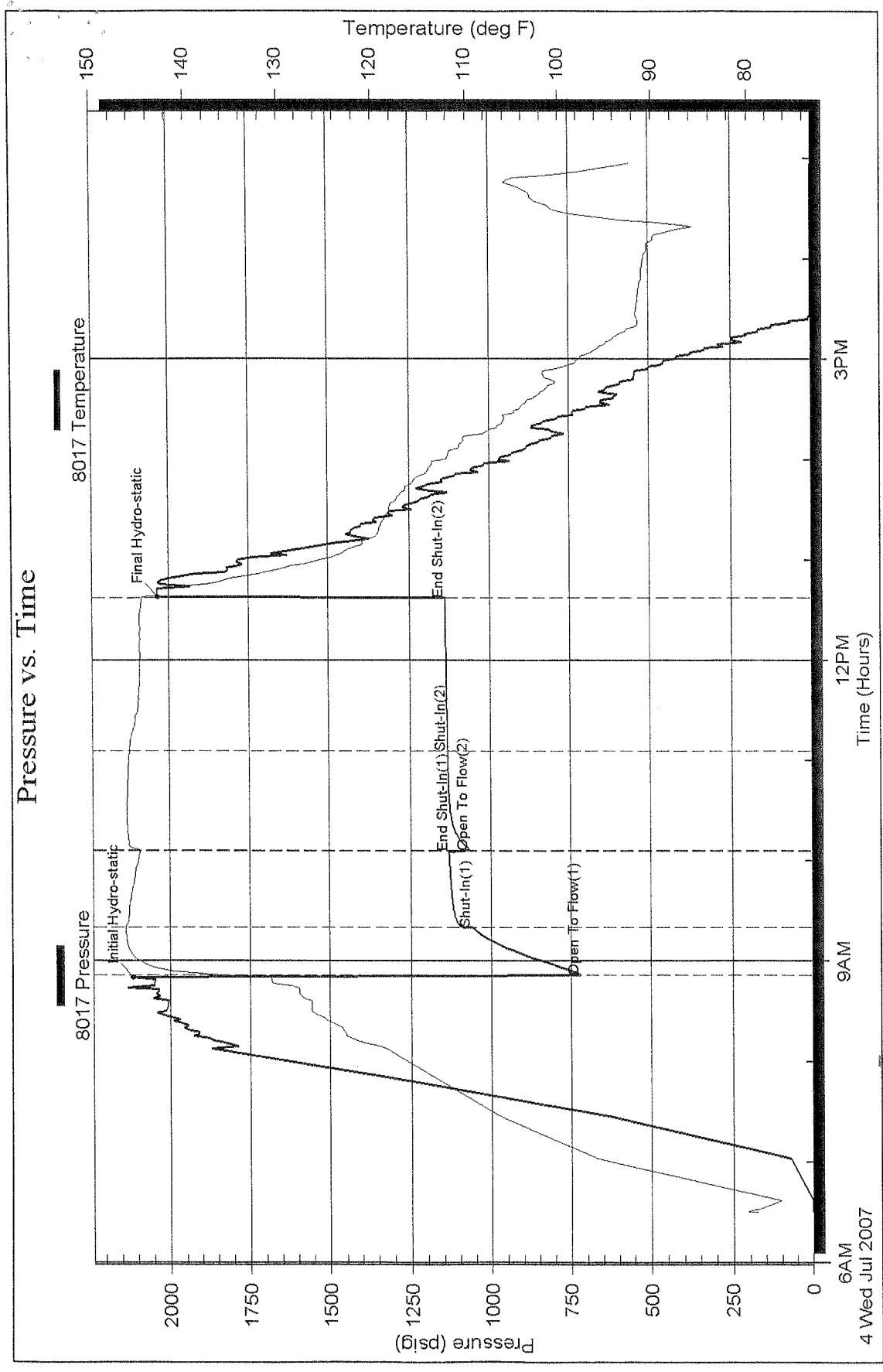
DST Test Number: 1

16 19 31 Scott KS

FIML Natural Resources LLC

Inside

Serial #: 8017



Ref. No: 27829

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SEP 24 2007

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WICHITA, KS

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