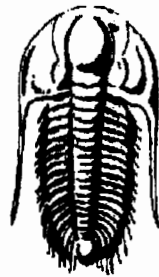


15-009-25116

3-16s-14w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Mai Oil**

PO Box 33
Russell KS 67665

ATTN: Kitt Noah

3 16S 14W Barton KS

Hughes Miller Trust Unit #1

Start Date: 2007.10.29 @ 06:10:57

End Date: 2007.10.29 @ 12:22:51

Job Ticket #: 30643 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mai Oil
PO Box 33
Russell KS 67665
ATTN: Kitt Noah

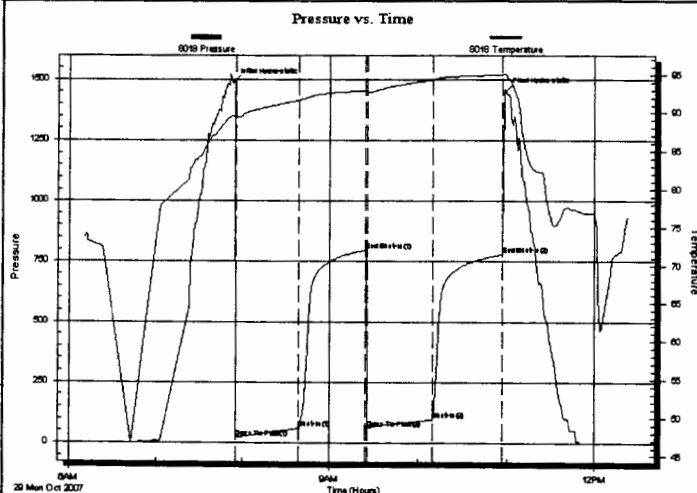
Hughes Miller Trust Unit #1
3 16S 14W Barton KS
Job Ticket: 30643 **DST#: 1**
Test Start: 2007.10.29 @ 06:10:57

GENERAL INFORMATION:

Formation: **LKC "B-C"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:55:52
Time Test Ended: 12:22:51
Interval: **3118.00 ft (KB) To 3164.00 ft (KB) (TVD)**
Total Depth: 3164.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 8.00 ft
Test Type: Conventional Bottom Hole
Tester: Brian Fairbank
Unit No: 41
Reference Elevations: 1908.00 ft (KB)
1900.00 ft (CF)

Serial #: 8018 **Inside**
Press@RunDepth: 94.38 psig @ 3124.01 ft (KB)
Start Date: 2007.10.29 End Date: 2007.10.29
Start Time: 06:10:57 End Time: 12:22:51
Capacity: 7000.00 psig
Last Calib.: 2007.10.29
Time On Btm: 2007.10.29 @ 07:53:52
Time Off Btm: 2007.10.29 @ 10:58:51

TEST COMMENT: IFP BOB 5 min.
ISI 1 " blow back - died 24 min.
FFP BOB 3 min.
FSI 5 1/2 " blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1486.47	89.58	Initial Hydro-static
2	18.65	89.33	Open To Flow (1)
46	58.11	91.64	Shut-In (1)
91	797.08	92.88	End Shut-In (1)
92	60.50	92.70	Open To Flow (2)
136	94.38	94.29	Shut-In (2)
183	779.49	94.97	End Shut-In (2)
185	1449.98	95.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	GMWCO 45%G 25%O 20%W 10%M	0.42
95.00	GMWCO 10%G 82%O 3%W 5%M	1.33
60.00	GMWCO 58%G 35%O 2%W 5%M	0.84
20.00	SOCM 7%O 93%M	0.28

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mai Oil

Hughes Miller Trust Unit #1

PO Box 33
Russell KS 67665

3 16S 14W Barton KS

Job Ticket: 30643

DST#: 1

ATTN: Kitt Noah

Test Start: 2007.10.29 @ 06:10:57

Tool Information

Drill Pipe:	Length: 3120.00 ft	Diameter: 3.80 inches	Volume: 43.77 bbl	Tool Weight: 2500.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 43.77 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3118.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	46.02 ft			
Tool Length:	66.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3103.00	
Hydraulic tool	5.00			3108.00	
Packer	5.00			3113.00	20.00 Bottom Of Top Packer
Packer	5.00			3118.00	
Stubb	1.00			3119.00	
Perforations	4.00			3123.00	
Change Over Sub	1.00			3124.00	
Recorder	0.01	8018	Inside	3124.01	
Blank Spacing	31.00			3155.01	
Change Over Sub	1.00			3156.01	
Perforations	5.00			3161.01	
Recorder	0.01	13548	Outside	3161.02	
Bullnose	3.00			3164.02	46.02 Bottom Packers & Anchor

Total Tool Length: 66.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil

Hughes Miller Trust Unit #1

PO Box 33
Russell KS 67665

3 16S 14W Barton KS

Job Ticket: 30643

DST#: 1

ATTN: Kitt Noah

Test Start: 2007.10.29 @ 06:10:57

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: 68.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	GMWCO 45%G 25%O 20%W 10%M	0.421
95.00	GMWCO 10%G 82%O 3%W 5%M	1.333
60.00	GVNCO 58%G 35%O 2%W 5%M	0.842
20.00	SOCM 7%O 93%M	0.281

Total Length: 205.00 ft

Total Volume: 2.877 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1240 GIP

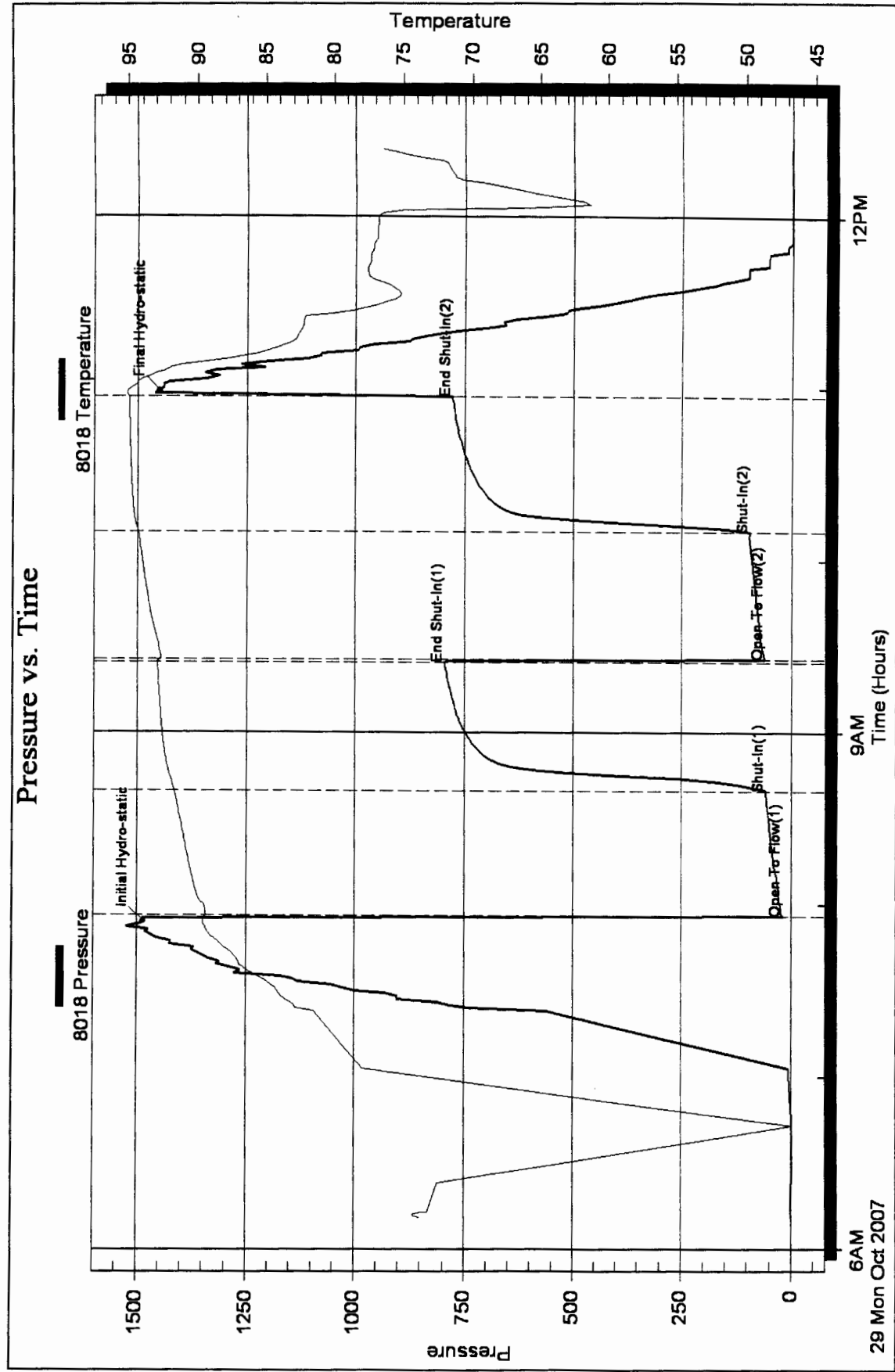
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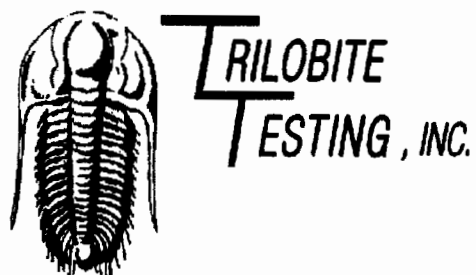
Inside

Mai Oil

3 16S 14W Barton KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Mai Oil**

PO Box 33
Russell KS 67665

ATTN: Kitt Noah

3 16S 14W Barton KS

Hughes Miller Trust Unit #1

Start Date: 2007.10.30 @ 11:04:11

End Date: 2007.10.30 @ 14:57:06

Job Ticket #: 30644 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mai Oil
PO Box 33
Russell KS 67665

ATTN: Kitt Noah

Hughes Miller Trust Unit #1
3 16S 14W Barton KS
Job Ticket: 30644 **DST#: 2**
Test Start: 2007.10.30 @ 11:04:11

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:39:06
Time Test Ended: 14:57:06

Test Type: Conventional Bottom Hole
Tester: Brian Fairbank
Unit No: 41

Interval: **3314.00 ft (KB) To 3358.00 ft (KB) (TVD)**
Total Depth: 3358.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 1908.00 ft (KB)
1900.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8018

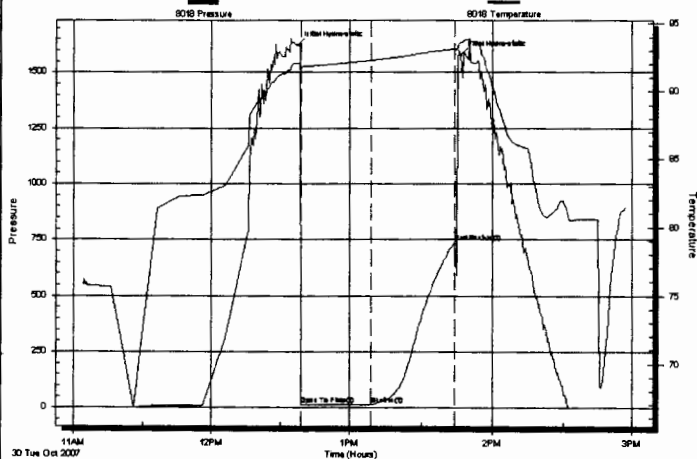
Inside

Press@RunDepth: 14.53 psig @ 3318.01 ft (KB)
Start Date: 2007.10.30 End Date: 2007.10.30
Start Time: 11:04:11 End Time: 14:57:06

Capacity: 7000.00 psig
Last Calib.: 2007.10.30
Time On Btm: 2007.10.30 @ 12:37:36
Time Off Btm: 2007.10.30 @ 13:46:36

TEST COMMENT: IFP 1/8" blow - died 14 min.
ISI No blow back
TIME 30 30

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1620.81	92.09	Initial Hydro-static
2	14.09	91.77	Open To Flow (1)
32	14.53	92.29	Shut-In (1)
67	738.64	93.13	End Shut-In (1)
69	1578.18	93.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	VSOCM 5% O 95% M	0.03

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mai Oil

Hughes Miller Trust Unit #1

PO Box 33
Russell KS 67665

3 16S 14W Barton KS

Job Ticket: 30644

DST#: 2

ATTN: Kitt Noah

Test Start: 2007.10.30 @ 11:04:11

Tool Information

Drill Pipe:	Length: 3305.00 ft	Diameter: 3.80 inches	Volume: 46.36 bbl	Tool Weight:	2500.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	50000.00 lb
			Total Volume: 46.36 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3314.00 ft			Final	40000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	44.02 ft				
Tool Length:	64.02 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3299.00	
Hydraulic tool	5.00			3304.00	
Packer	5.00			3309.00	20.00 Bottom Of Top Packer
Packer	5.00			3314.00	
Stubb	1.00			3315.00	
Perforations	2.00			3317.00	
Change Over Sub	1.00			3318.00	
Recorder	0.01	8018	Inside	3318.01	
Blank Spacing	31.00			3349.01	
Change Over Sub	1.00			3350.01	
Perforations	5.00			3355.01	
Recorder	0.01	13548	Outside	3355.02	
Bullnose	3.00			3358.02	44.02 Bottom Packers & Anchor

Total Tool Length: 64.02



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil

Hughes Miller Trust Unit #1

PO Box 33
Russell KS 67665

3 16S 14W Barton KS

Job Ticket: 30644

DST#: 2

ATTN: Kitt Noah

Test Start: 2007.10.30 @ 11:04:11

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: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	VSOCM 5%O 95%M	0.028

Total Length:

2.00 ft

Total Volume:

0.028 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

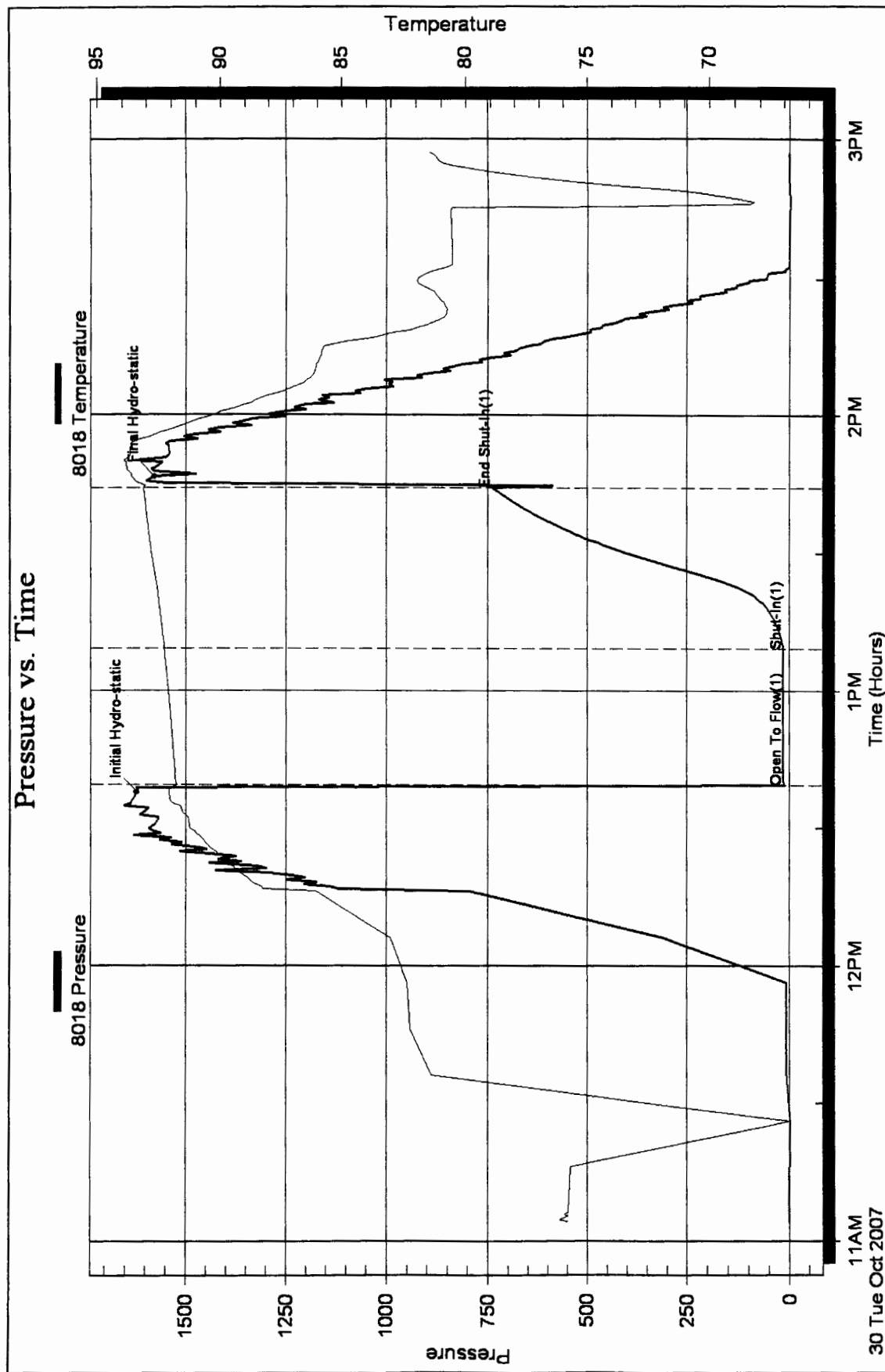
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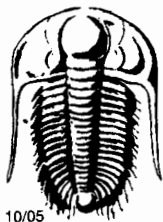
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

30643
RECEIVED
OCT 29 2007

BY: _____

Test Ticket

Well Name & No. Hughes-Miller Trust Unit #1 Test No. 1 Date 10-29-07
 Company Ma: Zone Tested LKC "B-C"
 Address PO Box 33 Russell, K, 67665 Elevation 1908 KB 1900 GL
 Co. Rep / Geo. Kitt Noach Rig Southwind 3
 Location: Sec. 3 Twp. 16^s Rge. 14^w Co. Barber State K
 Comment: _____ Release date / time: _____

Interval Tested 3118 - 3164 Initial Str Wt./Lbs. 40,000 Unseated Str Wt./Lbs. 40,000
 Anchor Length 46 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 50,000
 Top Packer Depth 3113 Tool Weight 2500
 Bottom Packer Depth 3118 Hole Size 7 7/8" — Rubber Size 6 3/4" —
 Total Depth 3164 Wt. Pipe Run — Drill Collar Run —
 Mud Wt. 8.6 LCM — Vis. 68 WL 8.8 Drill Pipe Size 4 1/2 XH Ft. Run 3120

Blow Description IFP- BOB 5 min
ISI- 1" blow back - died
FFP- BOB 3 min
FSI- 5 1/2" blow back

Recovery - Total Feet 205 GIP 1240 Ft. in DC — Ft. in DP 205
 Rec. 20 Feet of Soc M %gas 7 %oil — %water 93 %mud —
 Rec. 60 Feet of ~~HG~~ GWMCO 58%gas 35%oil 2%water 5%mud
 Rec. 95 Feet of GWMCO 10%gas 82%oil 3%water 5%mud
 Rec. 30 Feet of GWMCO 45%gas 25%oil 20%water 10%mud
 Rec. — Feet of — %gas — %oil — %water — %mud —
 BHT 95 °F Gravity — °API D @ — °F Corrected Gravity — °API
 RW .599 @ 64 °F Chlorides 11,000 ppm Recovery — Chlorides 2000 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	Recorder No.	8018	Test	✓	1100
(B) First Initial Flow Pressure	19	PSI	(depth)	3124	Jars	—	—
(C) First Final Flow Pressure	58	PSI	Recorder No.	13548	Safety Jt.	—	—
(D) Initial Shut-In Pressure	797	PSI	(depth)	3161	Circ Sub	—	—
(E) Second Initial Flow Pressure	61	PSI	Recorder No.	—	Sampler	—	—
(F) Second Final Flow Pressure	94	PSI	(depth)	—	Straddle	—	—
(G) Final Shut-In Pressure	780	PSI	Initial Opening	45	Ext. Packer	—	—
(Q) Final Hydrostatic Mud	1450	PSI	Initial Shut-In	45	Shale Packer	—	—
			Final Flow	45	Ruined Packer	—	—
			Final Shut-In	45	Mileage	✓ 100 RT	125

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Approved By _____

Our Representative Brian Farbank (flub)

T-On Location

T-Started

T-Open

T-Pulled

T-Out

Sub Total:

Std. By

Acc. Chg:

Other:

Total:

10831 10-30-07

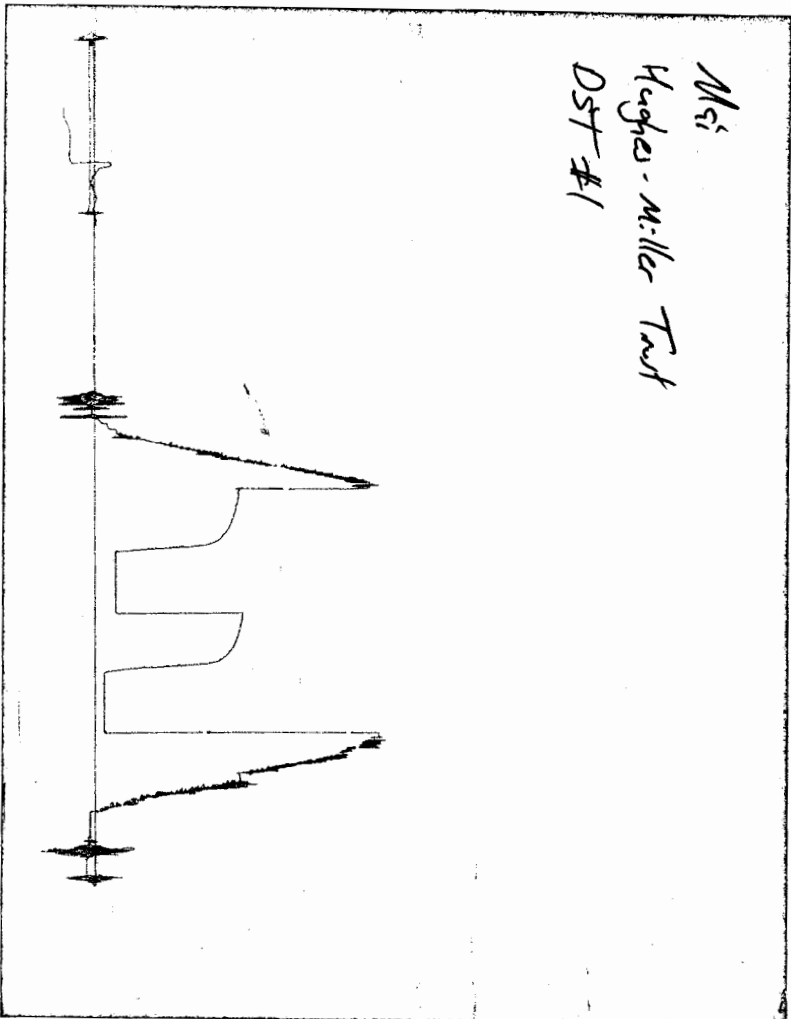
CHART PAGE

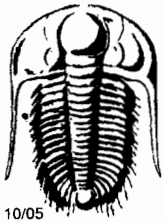
This is a photocopy of the actual AK-1 recorder chart

M₃

Hughes-Miller Test

DST #1





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

30644

RECEIVED
OCT 31 2007

BY: _____

Test Ticket

Well Name & No. Hughes - Miller Trust Unit #1 Test No. 2 Date 10-30-07
 Company Msi Zone Tested Arbuckle
 Address _____ Elevation 1908 KB 1900 GL _____
 Co. Rep / Geo. K.H. Neale Rig Southwind 3
 Location: Sec. 3 Twp. 16^s Rge. 14^w Co. Barton State K
 Comment: _____ Release date / time: _____

Interval Tested 3314-3358 Initial Str Wt./Lbs. 40,000 Unseated Str Wt./Lbs. 40,000
 Anchor Length 44 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 50,000
 Top Packer Depth 3309 Tool Weight 2500
 Bottom Packer Depth 3314 Hole Size 7 7/8" — Rubber Size 6 3/4" —
 Total Depth 3358 Wt. Pipe Run — Drill Collar Run —
 Mud Wt. 9.0 LCM — Vis. 54 WL 7.2 Drill Pipe Size 4 1/2 XH Ft. Run 3305
 Blow Description IFP - 1/8" blow died 14 min
ISI - no blow back
FFP - —
FSI - —

Recovery - Total Feet 2 GIP — Ft. in DC — Ft. in DP 2
 Rec. 2 Feet of USOCM %gas 5 %oil — %water 95 %mud —
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 93 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 2000 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	1621	PSI	Recorder No.	8018	Test	✓	1100
(B) First Initial Flow Pressure			14	PSI	(depth)	3318	Jars		
(C) First Final Flow Pressure			15	PSI	Recorder No.	13548	Safety Jt.		
(D) Initial Shut-In Pressure			739	PSI	(depth)	3305	Circ Sub		
(E) Second Initial Flow Pressure			—	PSI	Recorder No.		Sampler		
(F) Second Final Flow Pressure			—	PSI	(depth)		Straddle		
(G) Final Shut-In Pressure			—	PSI	Initial Opening	30	Ext. Packer		
(Q) Final Hydrostatic Mud			1578	PSI	Initial Shut-In	30	Shale Packer		

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Approved By Brian Fairbank (Hub)
 Our Representative Brian Fairbank (Hub)

Final Flow —
 Final Shut-In —
 T-On Location 1019
 T-Started 1104
 T-Open 1238
 T-Pulled 1338
 T-Out 1457

Test ✓ 1100
 Jars —
 Safety Jt. —
 Circ Sub —
 Sampler —
 Straddle —
 Ext. Packer —
 Shale Packer —
 Ruined Packer —
 Mileage ✓ 125
 Sub Total: —
 Std. By —
 Acc. Chg: —
 Other: —
 Total: —

108 31 11-13-07

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart

M₅₁
Hughes-Miller Trust
DST #2

