

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Cla-Mar Oil**

PO Box 1197
Hays KS 67601

ATTN: Randy Kilian

16 13 20 Ellis KS

Kinder-Walsch

Start Date: 2007.07.26 @ 03:34:01
End Date: 2007.07.26 @ 10:35:55
Job Ticket #: 28621 DST #: 1

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Cla-Mar Oil

PO Box 1197
Hays KS 67601

ATTN: Randy Kilian

Kinder-Walsch

16 13 20 Ellis KS

Job Ticket: 28621 **DST#: 1**

Test Start: 2007.07.26 @ 03:34:01

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:29:56
Time Test Ended: 10:35:55

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

Interval: 3779.00 ft (KB) To 3826.00 ft (KB) (TVD)
Total Depth: 3826.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:

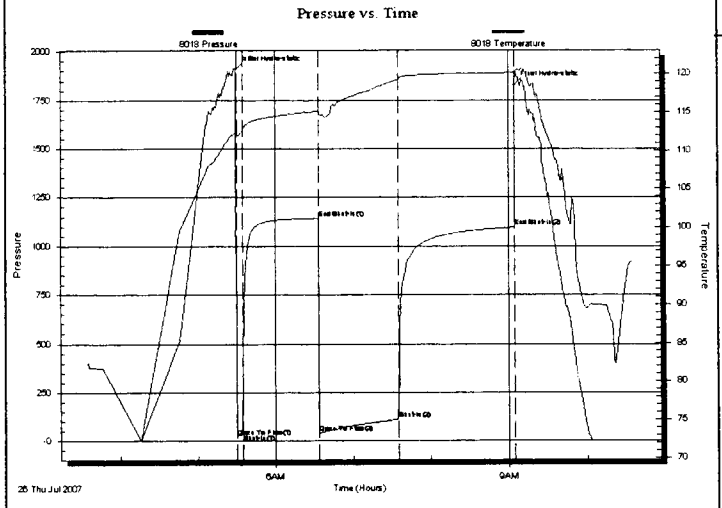
Reference Elevations: 2178.00 ft (KB)
2170.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8018 **Inside**

Press@RunDepth: 111.64 psig @ 3785.01 ft (KB)
Start Date: 2007.07.26 End Date: 2007.07.26
Start Time: 03:34:01 End Time: 10:35:55

Capacity: 7000.00 psig
Last Calib.: 2007.07.26
Time On Btm: 2007.07.26 @ 05:29:26
Time Off Btm: 2007.07.26 @ 09:04:40

TEST COMMENT: IFP Weak blow throughout 1/2 " - 2 1/2 "
ISI No blow back
FFP BOB 35 min.
FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1908.89	112.29	Initial Hydro-static
1	20.92	111.86	Open To Flow (1)
5	34.62	112.49	Shut-In(1)
64	1141.38	115.11	End Shut-In(1)
65	42.12	114.61	Open To Flow (2)
126	111.64	119.17	Shut-In(2)
215	1097.10	120.09	End Shut-In(2)
216	1826.29	120.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	SO & WCM 10%O 10%W 80%M	1.40
80.00	VSOCM 5%O 95%M	1.12

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cla-Mar Oil

PO Box 1197
Hays KS 67601

ATTN: Randy Kilian

Kinder-Walsch

16 13 20 Ellis KS

Job Ticket: 28621 **DST#: 1**

Test Start: 2007.07.26 @ 03:34:01

Tool Information

Drill Pipe:	Length:	3741.00 ft	Diameter:	3.80 inches	Volume:	52.48 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:	31.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	Weight to Pull Loose:		70000.00 lb
					Total Volume:	52.63 bbl	Tool Chased		1.00 ft
Drill Pipe Above KB:		13.00 ft					String Weight:	Initial	57000.00 lb
Depth to Top Packer:		3779.00 ft						Final	58000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		47.02 ft							
Tool Length:		67.02 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			3764.00		
Hydraulic tool	5.00			3769.00		
Packer	5.00			3774.00	20.00	Bottom Of Top Packer
Packer	5.00			3779.00		
Stubb	1.00			3780.00		
Perforations	4.00			3784.00		
Change Over Sub	1.00			3785.00		
Recorder	0.01	8018	Inside	3785.01		
Blank Spacing	32.00			3817.01		
Change Over Sub	1.00			3818.01		
Perforations	5.00			3823.01		
Recorder	0.01	13548	Outside	3823.02		
Bullnose	3.00			3826.02	47.02	Bottom Packers & Anchor
Total Tool Length:	**67.02**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Cla-Mar Oil

PO Box 1197
Hays KS 67601

ATTN: Randy Kilian

Kinder-Walsch

16 13 20 Ellis KS

Job Ticket: 28621 **DST#: 1**

Test Start: 2007.07.26 @ 03:34:01

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:	9000 ppm
Viscosity:	51.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.31 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3000.00 ppm				
Filter Cake:	inches				

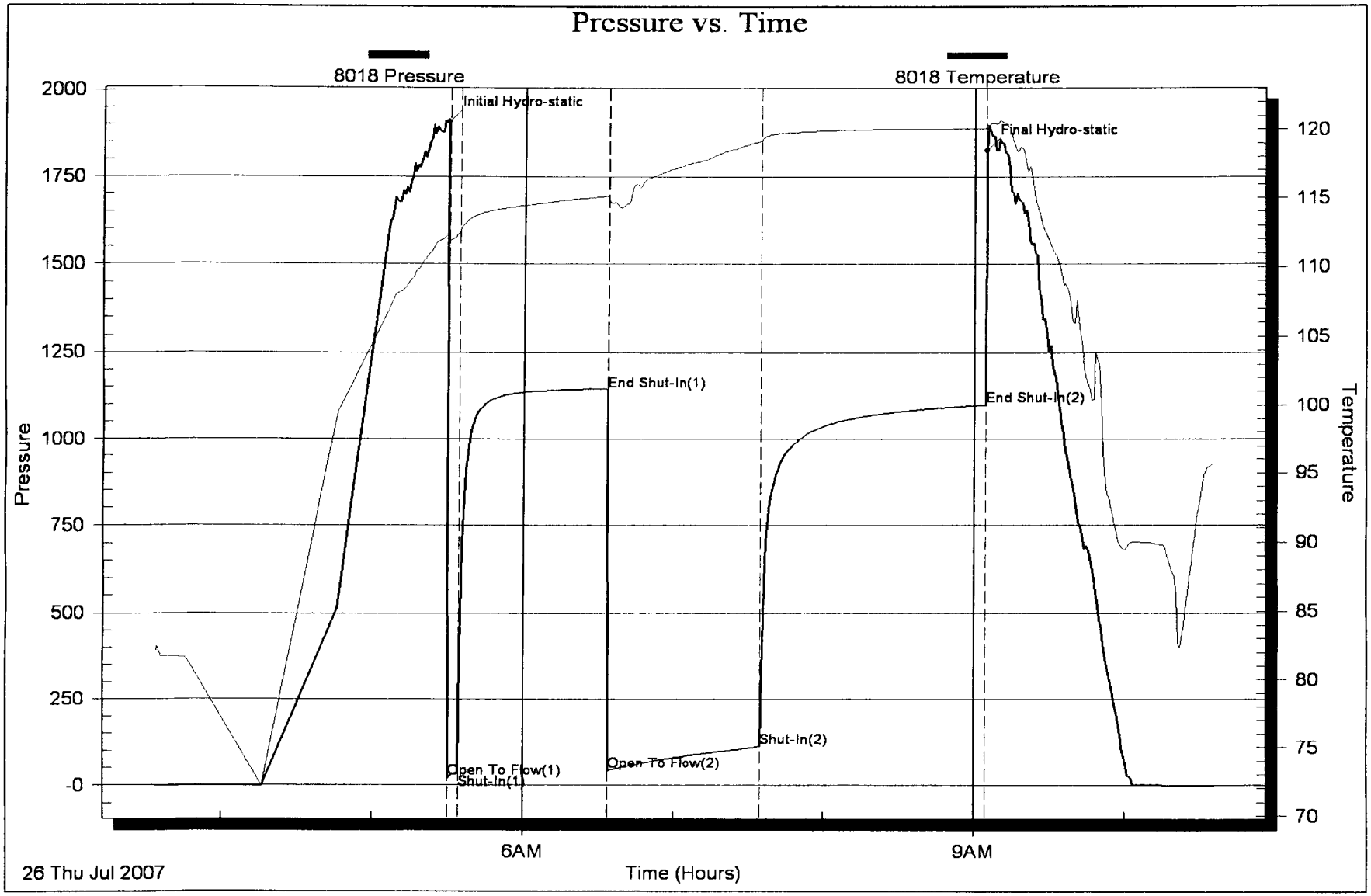
Recovery Information

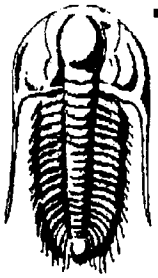
Recovery Table

Length ft	Description	Volume bbl
120.00	SO & WCM 10%O 10%W 80%M	1.401
80.00	VSOCM 5%O 95%M	1.122

Total Length: 200.00 ft Total Volume: 2.523 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
8018 Pressure
8018 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
2000
1750
1500
1250
1000
750
500
250
-0
Pressure
120
115
110
105
100
95
90
85
80
75
70
Temperature
6AM
9AM
Time (Hours)
26 Thu Jul 2007



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Cla-Mar Oil**

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ATTN: Randy Kilian

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Kinder-Walsch

Start Date: 2007.07.26 @ 17:12:49
End Date: 2007.07.26 @ 23:47:13
Job Ticket #: 28622 DST #: 2

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DRILL STEM TEST REPORT

Cla-Mar Oil

PO Box 1197
Hays KS 67601

ATTN: Randy Kilian

Kinder-Walsch

16 13 20 Ellis KS

Job Ticket: 28622 **DST#: 2**

Test Start: 2007.07.26 @ 17:12:49

GENERAL INFORMATION:

Formation: **Arbuckle (2)**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:44:59
Time Test Ended: 23:47:13

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

Interval: 3826.00 ft (KB) To 3836.00 ft (KB) (TVD)
Total Depth: 3836.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:

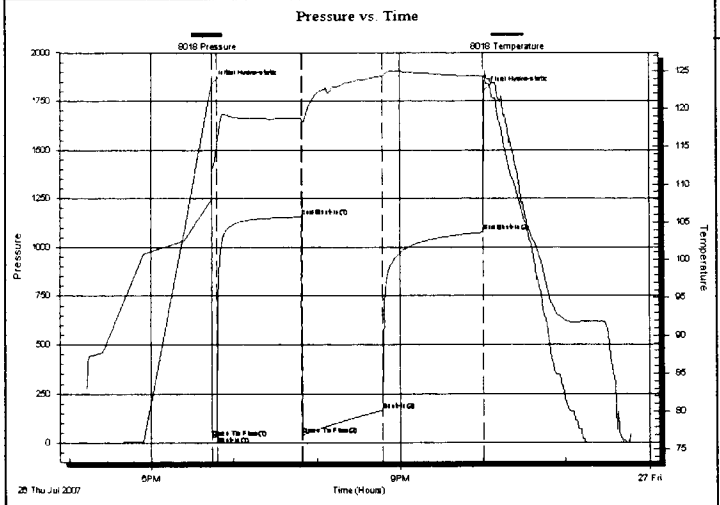
Reference Elevations: 2178.00 ft (KB)
2170.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8018 **Inside**

Press@RunDepth: 166.10 psig @ 3827.01 ft (KB)
Start Date: 2007.07.26 End Date: 2007.07.26
Start Time: 17:12:49 End Time: 23:47:13

Capacity: 7000.00 psig
Last Calib.: 2007.07.26
Time On Btm: 2007.07.26 @ 18:44:44
Time Off Btm: 2007.07.26 @ 22:01:13

TEST COMMENT: IFP Weak to fair blow 1/2 " - 3 1/2 "
ISI No blow back
FFP BOB 18 min.
FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1841.01	107.99	Initial Hydro-static
1	27.02	112.00	Open To Flow (1)
4	35.86	115.23	Shut-In(1)
65	1156.00	118.74	End Shut-In(1)
65	38.97	118.36	Open To Flow (2)
123	166.10	124.33	Shut-In(2)
196	1077.05	124.32	End Shut-In(2)
197	1806.39	124.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
339.00	MW 80%W 20%M	4.47
1.00	M & WCO	0.01

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cla-Mar Oil

PO Box 1197
Hays KS 67601

ATTN: Randy Kilian

Kinder-Walsch

16 13 20 Ellis KS

Job Ticket: 28622 **DST#: 2**

Test Start: 2007.07.26 @ 17:12:49

Tool Information

Drill Pipe:	Length:	3803.00 ft	Diameter:	3.80 inches	Volume:	53.35 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	31.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	
					Total Volume:	53.50 bbl	

Drill Pipe Above KB:	28.00 ft
Depth to Top Packer:	3826.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	10.02 ft
Tool Length:	30.02 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2500.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	75000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	55000.00 lb
Final	58000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3811.00		
Hydraulic tool	5.00			3816.00		
Packer	5.00			3821.00	20.00	Bottom Of Top Packer
Packer	5.00			3826.00		
Stubb	1.00			3827.00		
Recorder	0.01	8018	Inside	3827.01		
Perforations	6.00			3833.01		
Recorder	0.01	13548	Outside	3833.02		
Bullnose	3.00			3836.02	10.02	Bottom Packers & Anchor
Total Tool Length:	**30.02**					

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DRILL STEM TEST REPORT

FLUID SUMMARY

Cla-Mar Oil

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Job Ticket: 28622 **DST#: 2**

Test Start: 2007.07.26 @ 17:12:49

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	10.00 lb/gal	Cushion Length:	ft	Water Salinity:	14000 ppm
Viscosity:	44.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.14 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3000.00 ppm				
Filter Cake:	inches				

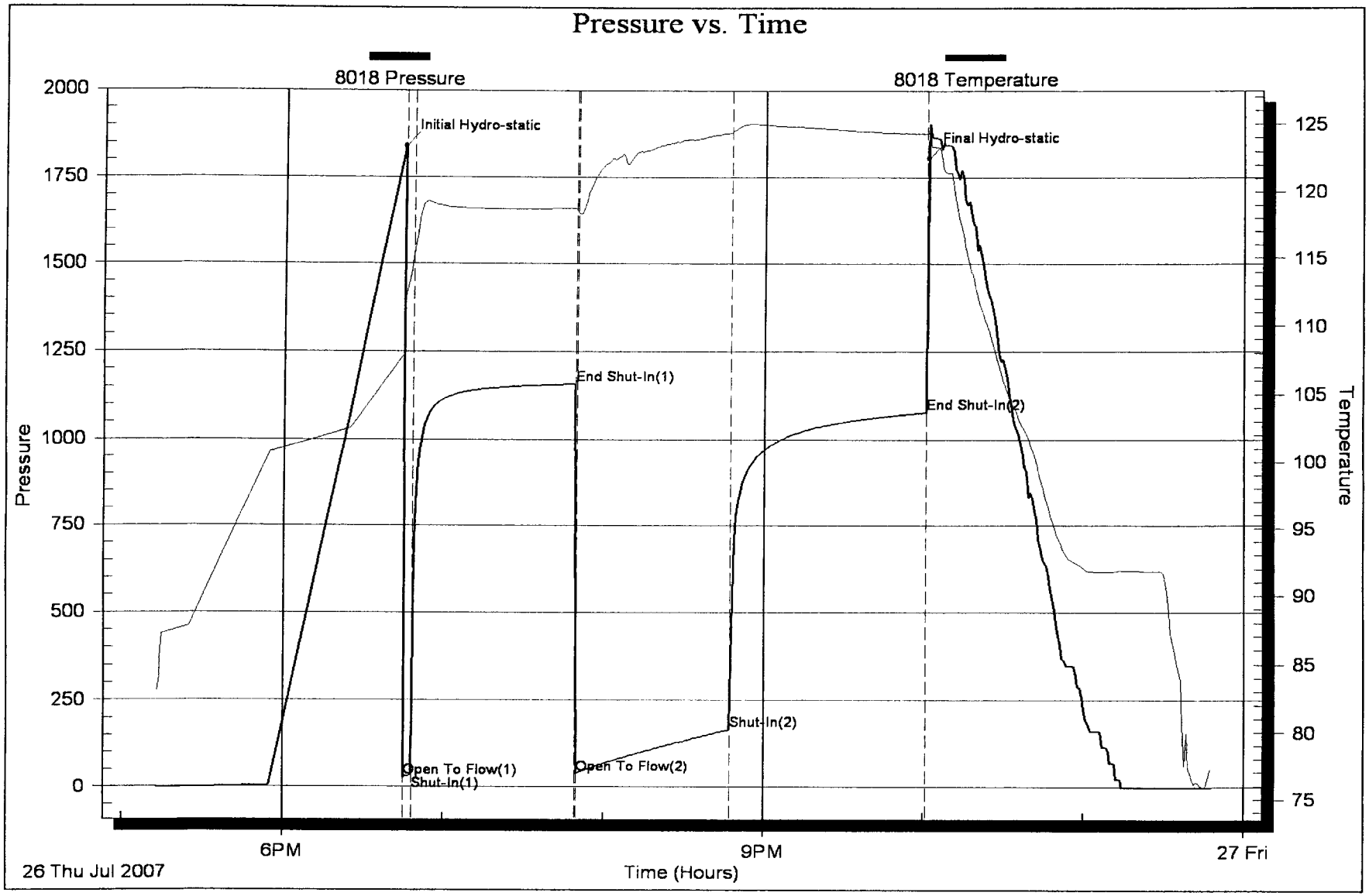
Recovery Information

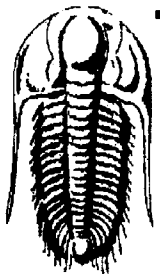
Recovery Table

Length ft	Description	Volume bbl
339.00	MW 80%W 20%M	4.473
1.00	M & WCO	0.014

Total Length: 340.00 ft Total Volume: 4.487 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
8018 Pressure
8018 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Pressure
Temperature
Time (Hours)
26 Thu Jul 2007
6PM
9PM
27 Fri
2000
1750
1500
1250
1000
750
500
250
0
125
120
115
110
105
100
95
90
85
80
75



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DRILL STEM TEST REPORT

Prepared For: **Cla-Mar Oil**

PO Box 1197
Hays KS 67601

ATTN: Randy Kilian

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Kinder-Walsch

Start Date: 2007.07.27 @ 11:48:44
End Date: 2007.07.27 @ 15:00:39
Job Ticket #: 28623 DST #: 3

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Cla-Mar Oil

PO Box 1197
Hays KS 67601

ATTN: Randy Kilian

Kinder-Walsch

16 13 20 Ellis KS

Job Ticket: 28623 **DST#: 3**

Test Start: 2007.07.27 @ 11:48:44

GENERAL INFORMATION:

Formation: **LKC "I-J"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened:
Time Test Ended: 15:00:39

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

Interval: 3608.00 ft (KB) To 3653.00 ft (KB) (TVD)
Total Depth: 3915.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:

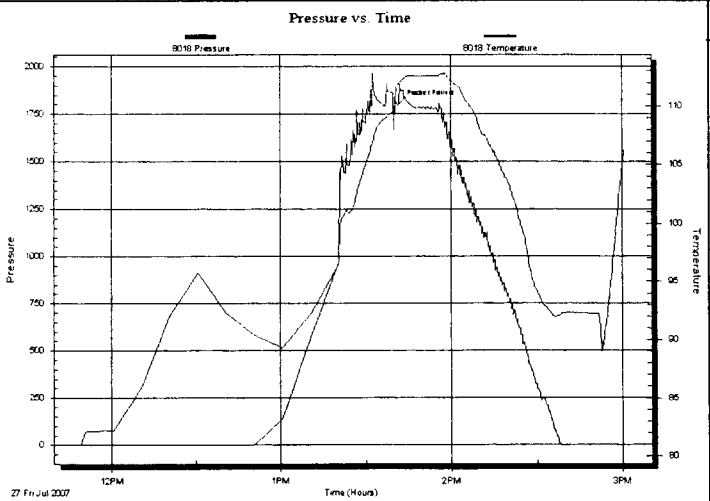
Reference Elevations: 2178.00 ft (KB)
2170.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8018 **Inside**

Press@RunDepth: psig @ 3615.01 ft (KB)
Start Date: 2007.07.27 End Date: 2007.07.27
Start Time: 11:48:44 End Time: 15:00:39

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm:
Time Off Btm:

TEST COMMENT: IFP -
ISI - PACKER FAILURE
FFP -
FSI -



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1803.09	111.92	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

Cla-Mar Oil

PO Box 1197
Hays KS 67601

ATTN: Randy Kilian

Kinder-Walsch

16 13 20 Ellis KS

Job Ticket: 28623 **DST#: 3**

Test Start: 2007.07.27 @ 11:48:44

Tool Information

Drill Pipe:	Length:	3587.00 ft	Diameter:	3.80 inches	Volume:	50.32 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:	30000.00 lb	
Drill Collar:	Length:	31.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	Weight to Pull Loose:	lb	
					Total Volume:	50.47 bbl	Tool Chased	ft	
Drill Pipe Above KB:		30.00 ft					String Weight: Initial	lb	
Depth to Top Packer:		3608.00 ft					Final	lb	
Depth to Bottom Packer:		ft							
Interval betw een Packers:		312.02 ft							
Tool Length:		332.02 ft							
Number of Packers:		3	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3593.00		
Hydraulic tool	5.00			3598.00		
Packer	5.00			3603.00	20.00	Bottom Of Top Packer
Packer	5.00			3608.00		
Stubb	1.00			3609.00		
Perforations	5.00			3614.00		
Change Over Sub	1.00			3615.00		
Recorder	0.01	8018	Inside	3615.01		
Blank Spacing	31.00			3646.01		
Change Over Sub	1.00			3647.01		
Perforations	1.00			3648.01		
Blank Off Sub	1.00			3649.01		
Blank Spacing	4.00			3653.01	312.02	Tool Interval
Packer	5.00			3658.01		
Perforations	2.00			3660.01		
Change Over Sub	1.00			3661.01		
Blank Spacing	250.00			3911.01		
Change Over Sub	1.00			3912.01		
Perforations	5.00			3917.01		
Recorder	0.01	13548	Below	3917.02		
Bullnose	3.00			3920.02	1000331.02	Bottom Packers & Anchor
Total Tool Length:	**332.02**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Cla-Mar Oil

PO Box 1197
Hays KS 67601

ATTN: Randy Kilian

Kinder-Walsch

16 13 20 Ellis KS

Job Ticket: 28623 **DST#: 3**

Test Start: 2007.07.27 @ 11:48:44

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	10.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	44.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.16 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3000.00 ppm				
Filter Cake:	inches				

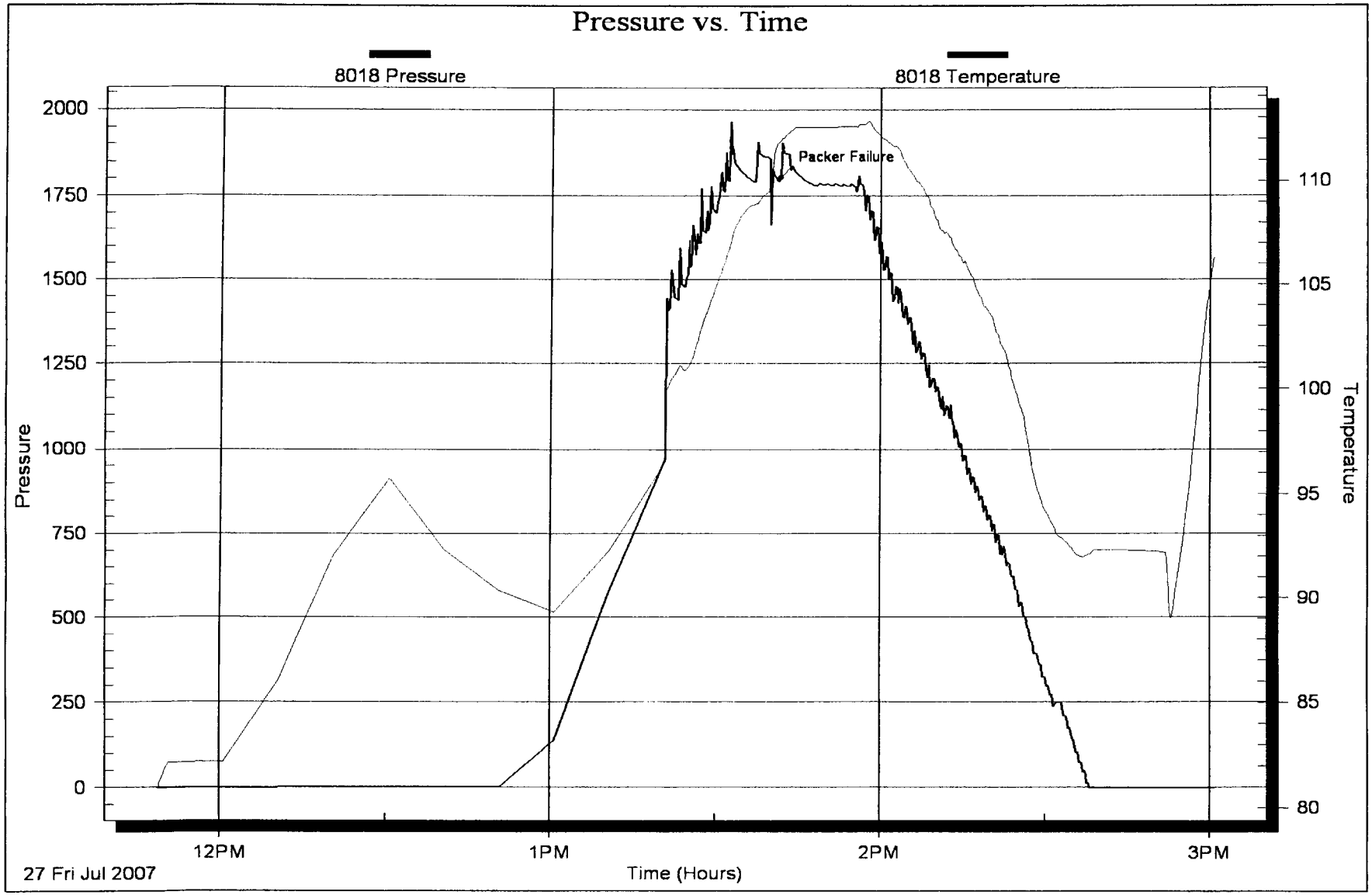
Recovery Information

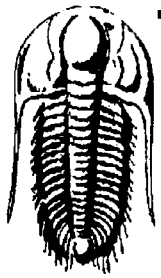
Recovery Table

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
8018 Pressure
8018 Temperature
Packer Failure
Pressure
Temperature
2000
1750
1500
1250
1000
750
500
250
0
110
105
100
95
90
85
80
12PM
1PM
2PM
3PM
Time (Hours)
27 Fri Jul 2007



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Cla-Mar Oil**

PO Box 1197
Hays KS 67601

ATTN: Randy Kilian

16 13 20 Ellis KS

Kinder-Walsch

Start Date: 2007.07.26 @ 03:34:01

End Date:

Job Ticket #: 28624 DST #: 4

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

DRILL STEM TEST REPORT

Cla-Mar Oil

PO Box 1197
Hays KS 67601

ATTN: Randy Kilian

Kinder-Walsch

16 13 20 Ellis KS

Job Ticket: 28624 **DST#: 4**

Test Start: 2007.07.26 @ 03:34:01

GENERAL INFORMATION:

Formation: **LKC "I-J" (2)**
Deviated: No Whipstock: ft (KB)
Time Tool Opened:
Time Test Ended:

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

Interval: 3611.00 ft (KB) To 3653.00 ft (KB) (TVD)
Total Depth: 3915.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:

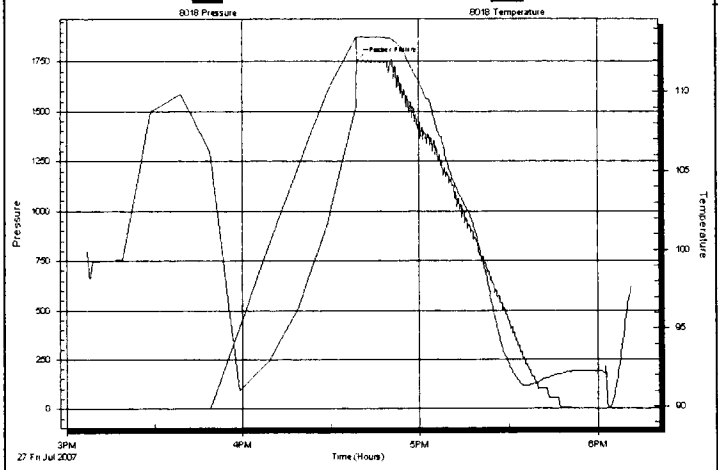
Reference Elevations: 2178.00 ft (KB)
2170.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8018 **Inside**

Press@RunDepth: psig @ 3615.01 ft (KB)
Start Date: 2007.07.27 End Date: 2007.07.27
Start Time: 15:06:57 End Time: 18:11:22

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm:
Time Off Btm:

TEST COMMENT: IFP -
ISI - PACKER FAILURE
FFP -
FSI -



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1750.39	113.46	--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

Cla-Mar Oil

PO Box 1197
Hays KS 67601

ATTN: Randy Kilian

Kinder-Walsch

16 13 20 Ellis KS

Job Ticket: 28624 **DST#: 4**

Test Start: 2007.07.26 @ 03:34:01

Tool Information

Drill Pipe:	Length:	3590.00 ft	Diameter:	3.80 inches	Volume:	50.36 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:	40000.00 lb	
Drill Collar:	Length:	31.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	Weight to Pull Loose:	lb	
					Total Volume:	50.51 bbl	Tool Chased	ft	
Drill Pipe Above KB:		30.00 ft					String Weight: Initial	lb	
Depth to Top Packer:		3611.00 ft					Final	lb	
Depth to Bottom Packer:		ft							
Interval betw een Packers:		309.02 ft							
Tool Length:		329.02 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			3596.00		
Hydraulic tool	5.00			3601.00		
Packer	5.00			3606.00	20.00	Bottom Of Top Packer
Packer	5.00			3611.00		
Stubb	1.00			3612.00		
Perforations	2.00			3614.00		
Change Over Sub	1.00			3615.00		
Recorder	0.01	8018	Inside	3615.01		
Blank Spacing	31.00			3646.01		
Change Over Sub	1.00			3647.01		
Perforations	1.00			3648.01		
Blank Off Sub	1.00			3649.01		
Blank Spacing	4.00			3653.01	309.02	Tool Interval
Packer	5.00			3658.01		
Perforations	3.00			3661.01		
Change Over Sub	1.00			3662.01		
Blank Spacing	250.00			3912.01		
Change Over Sub	1.00			3913.01		
Perforations	4.00			3917.01		
Recorder	0.01	13760	Below	3917.02		
Bullnose	3.00			3920.02	1000328.02	Bottom Packers & Anchor
Total Tool Length:	**329.02**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Cla-Mar Oil

PO Box 1197
Hays KS 67601

ATTN: Randy Kilian

Kinder-Walsch

16 13 20 Ellis KS

Job Ticket: 28624 **DST#: 4**

Test Start: 2007.07.26 @ 03:34:01

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	10.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	44.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.17 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

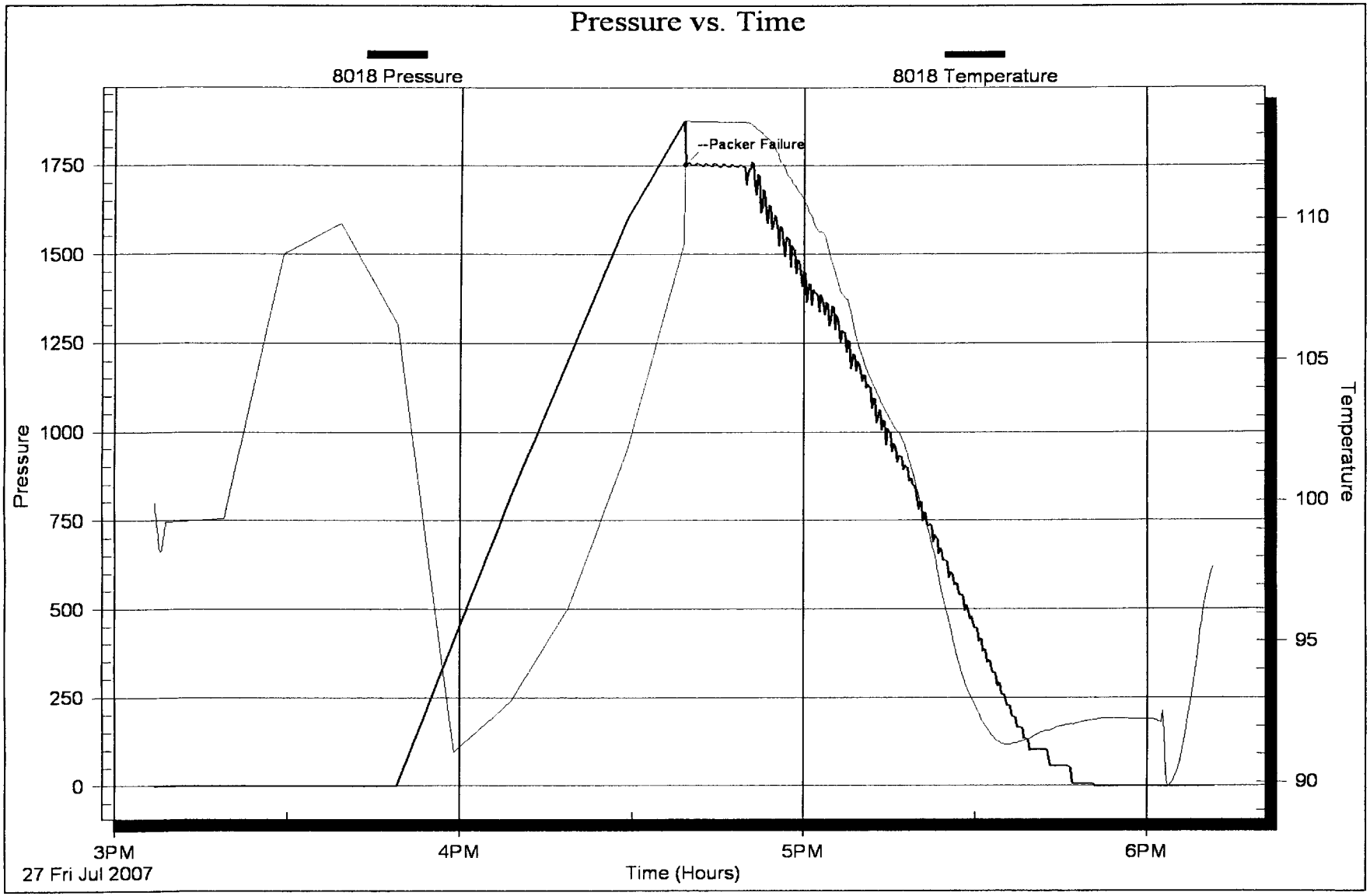
Length ft	Description	Volume bbl

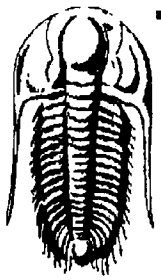
Total Length: ft Total Volume: bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8018 Pressure
8018 Temperature
--Packer Failure
1750
1500
1250
1000
750
500
250
0
Pressure
110
105
100
95
90
Temperature
3PM
27 Fri Jul 2007
4PM
5PM
6PM
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Cla-Mar Oil**

PO Box 1197
Hays KS 67601

ATTN: Randy Kilian

16 13 20 Ellis KS

Kinder-Walsch

Start Date: 2007.07.27 @ 18:16:07
End Date: 2007.07.27 @ 22:19:47
Job Ticket #: 28625 DST #: 5

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

DRILL STEM TEST REPORT

Cla-Mar Oil

PO Box 1197
Hays KS 67601

ATTN: Randy Kilian

Kinder-Walsch

16 13 20 Ellis KS

Job Ticket: 28625 **DST#: 5**

Test Start: 2007.07.27 @ 18:16:07

GENERAL INFORMATION:

Formation: **LKC "I-J" (3)**
Deviated: No Whipstock: ft (KB)
Time Tool Opened:
Time Test Ended: 22:19:47

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

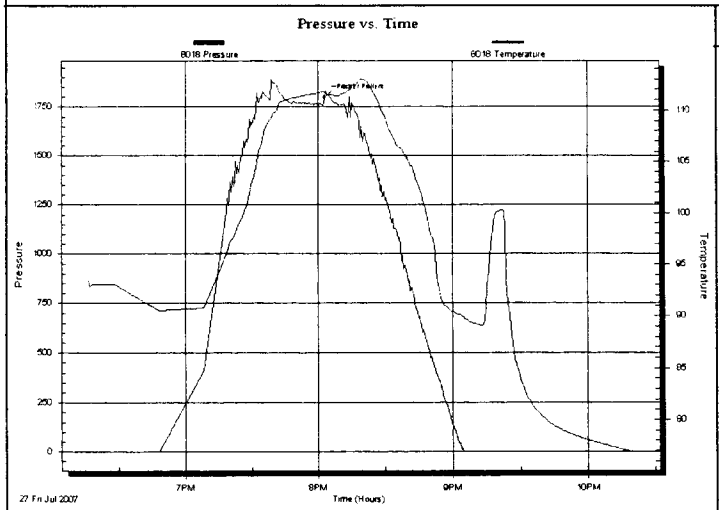
Interval: 3605.00 ft (KB) To 3653.00 ft (KB) (TVD)
Total Depth: 3915.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 2178.00 ft (KB)
2170.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8018 **Inside**
Press@RunDepth: psig @ 3615.01 ft (KB)
Start Date: 2007.07.27 End Date: 2007.07.27
Start Time: 18:16:07 End Time: 22:19:47

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm:
Time Off Btm:

TEST COMMENT: IFP -
ISI - PACKER FAILURE
FFP -
FSI -



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1796.51	111.78	--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

Cla-Mar Oil

PO Box 1197
Hays KS 67601

ATTN: Randy Kilian

Kinder-Walsch

16 13 20 Ellis KS

Job Ticket: 28625 **DST#: 5**

Test Start: 2007.07.27 @ 18:16:07

Tool Information

Drill Pipe:	Length:	3587.00 ft	Diameter:	3.80 inches	Volume:	50.32 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:	40000.00 lb
Drill Collar:	Length:	31.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	Weight to Pull Loose:	lb
					Total Volume:	50.47 bbl	Tool Chased	ft
Drill Pipe Above KB:		28.00 ft					String Weight: Initial	lb
Depth to Top Packer:		3605.00 ft					Final	lb
Depth to Bottom Packer:		ft						
Interval betw een Packers:		315.02 ft						
Tool Length:		330.02 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			3595.00		
Hydraulic tool	5.00			3600.00		
Packer	5.00			3605.00	15.00	Bottom Of Top Packer
Stubb	1.00			3606.00		
Perforations	8.00			3614.00		
Change Over Sub	1.00			3615.00		
Recorder	0.01	8018	Inside	3615.01		
Blank Spacing	31.00			3646.01		
Change Over Sub	1.00			3647.01		
Perforations	1.00			3648.01		
Blank Off Sub	1.00			3649.01		
Blank Spacing	4.00			3653.01	315.02	Tool Interval
Packer	5.00			3658.01		
Perforations	3.00			3661.01		
Change Over Sub	1.00			3662.01		
Blank Spacing	250.00			3912.01		
Change Over Sub	1.00			3913.01		
Perforations	4.00			3917.01		
Recorder	0.01	13760	Below	3917.02		
Bullnose	3.00			3920.02	1000329.02	Bottom Packers & Anchor
Total Tool Length:	**330.02**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Cla-Mar Oil

PO Box 1197
Hays KS 67601

ATTN: Randy Kilian

Kinder-Walsch

16 13 20 Ellis KS

Job Ticket: 28625 **DST#: 5**

Test Start: 2007.07.27 @ 18:16:07

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	10.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	44.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.18 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3000.00 ppm				
Filter Cake:	inches				

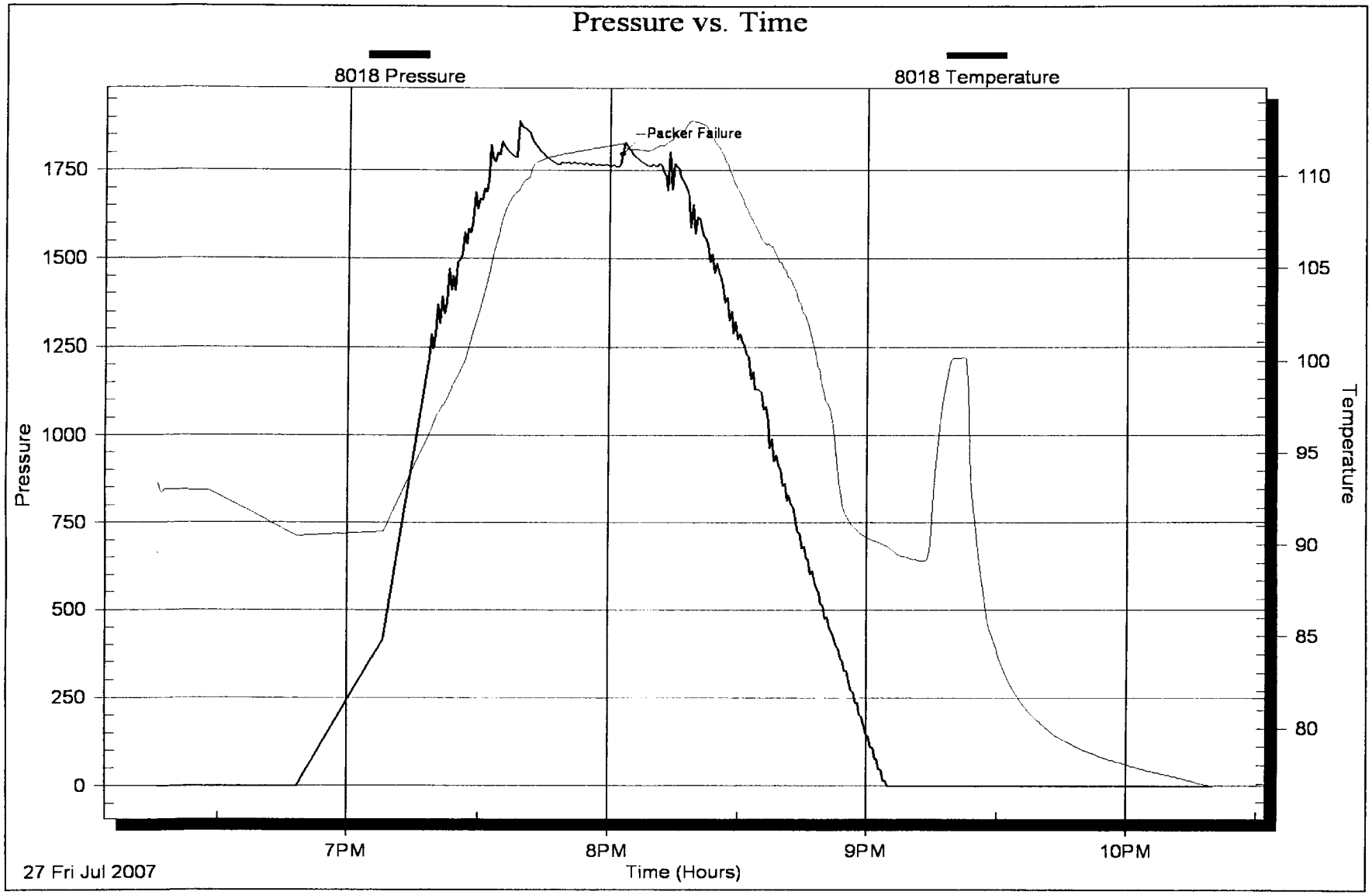
Recovery Information

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
8018 Pressure
8018 Temperature
Packer Failure
1750
1500
1250
1000
750
500
250
0
Pressure
110
105
100
95
90
85
80
Temperature
7PM
8PM
9PM
10PM
27 Fri Jul 2007
Time (Hours)

28621

10434 ✓

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

10/05

Test Ticket

Well Name & No. Kinder-Walsh Test No. 1 Date 7-26-07

Company Cla-Mar Oil Zone Tested Arbuckle

Address PO Box 1197 Hays, KS 67601 Elevation 2178 KB 2170 GL

Co. Rep / Geo. Randy Killian Rig Disco 1

Location: Sec. 16 Twp. 13S Rge. 20W Co. Ellis State KS

Comment: Tool slid 1' to bottom Release date / time:

Interval Tested 3779-3826 Initial Str Wt./Lbs. 57,000 Unseated Str Wt/Lbs. 58,000

Anchor Length 47 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 70,000

Top Packer Depth 3774 Tool Weight 2500

Bottom Packer Depth 3779 Hole Size 7 7/8" — Rubber Size 6 3/4" —

Total Depth 3826 Wt. Pipe Run — Drill Collar Run 31

Mud Wt. 9.4 LCM — Vis. 51 WL 9.4 Drill Pipe Size 4½ XH Ft. Run 3741

Blow Description IFP- weak blow throughout ½-2¾

ISI- no blow back

FFP- BOB 35 min

FSI- no blow back

Recovery - Total Feet 200 GIP — Ft. in DC 31 Ft. in DP 169

Rec. 80	Feet of WSOCM	%gas	5 %oil	%water	95 %mud
Rec. 120	Feet of SOTWCM	%gas	10 %oil	10 %water	80 %mud
Rec.	Feet of	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud

BHT 120 °F Gravity °API D @ °F Corrected Gravity °API

RW .515 @ 88 °F Chlorides 9000 ppm Recovery Chlorides 3000 ppm System

	AK-1	Alpine				
(A) Initital Hydrostatic Mud		1913 PSI	Recorder No.	8018	Test ✓	1100
(B) First Initial Flow Pressure		21 PSI	(depth)	3785	Jars	
(C) First Final Flow Pressure		35 PSI	Recorder No.	13548	Safety Jt.	
(D) Initial Shut-In Pressure		1141 PSI	(depth)	3823	Circ Sub	
(E) Second Initial Flow Pressure		42 PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure		112 PSI	(depth)		Straddle	
(G) Final Shut-In Pressure		1097 PSI	**Initial Opening**	5	Ext. Packer	
(Q) Final Hydrostatic Mud		1868 PSI	Initial Shut-In	60	Shale Packer	
			Final Flow	60	Ruined Packer	
			Final Shut-In	90	Mileage ✓ 38 RT	41.50
			T-On Location	02:09	Sub Total:	
			T-Started	0333	Std. By	
			T-Open	0528	Acc. Chg:	
			T-Pulled	0903	Other:	
			T-Out	1035	Total:	$1147.50

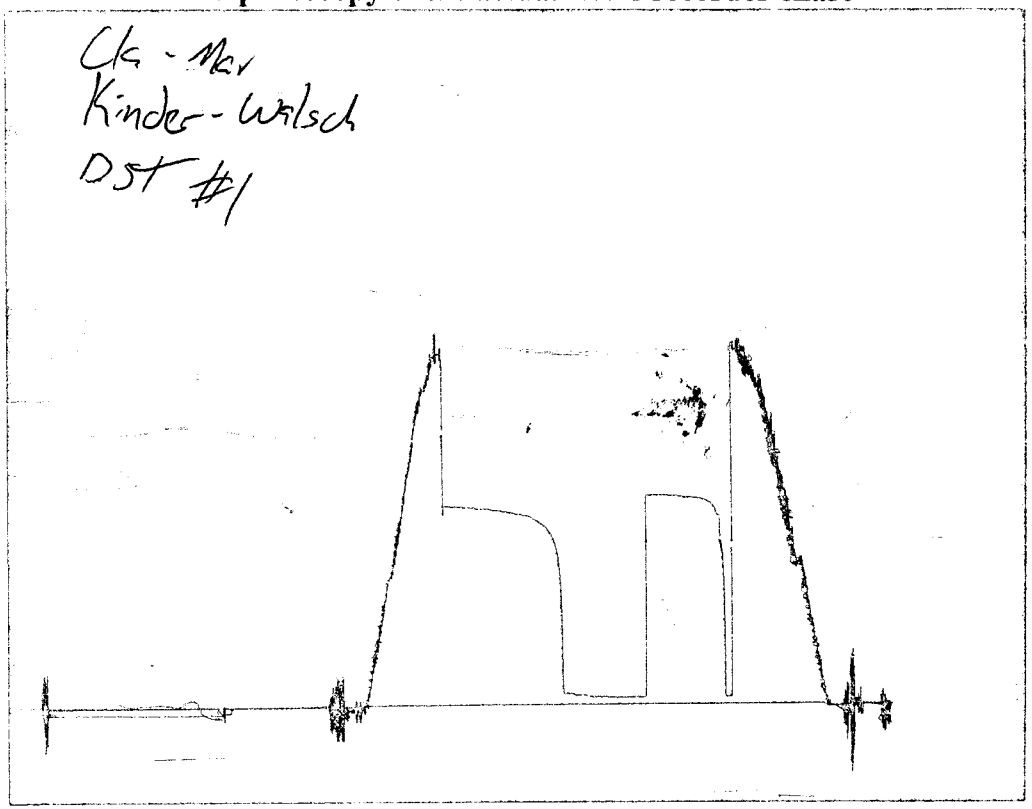
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Approved By

Our Representative Brad Fairbank (Geo)

CHART PAGE

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28622

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

10/05

Test Ticket

Well Name & No. Kinder-Welsch Test No. 2 Date 7-26-07

Company Cg-Mar Oil Zone Tested Arbuckle (2)

Address Po Box 1197 Hays Ks 67601 Elevation 2178 KB 2170 GL

Co. Rep / Geo. Randy Kilian Rig Duke 1

Location: Sec. 16 Twp. 13S Rge. 20W Co. Ellis State Ks

Comment: Release date / time:

Interval Tested 3826-3836 Initial Str Wt./Lbs. 55,000 Unseated Str Wt/Lbs. 58,000

Anchor Length 10 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 75,000

Top Packer Depth 3821 Tool Weight 2500

Bottom Packer Depth 3826 Hole Size 7 7/8" — Rubber Size 6 3/4" —

Total Depth 3836 Wt. Pipe Run — Drill Collar Run 31

Mud Wt. 9.5 LCM — Vis. 44 WL 9.2 Drill Pipe Size 4½ XH Ft. Run 3803

Blow Description IFP- weak to fair blow ½-3½

ISI- no blow back

FFP- BOB 18 min

FSI- no blow back

Recovery - Total Feet 340 GIP — Ft. in DC 31 Ft. in DP 309

Rec. 1	Feet of ~~Ex~~ MCWCO	%gas	70 %oil	15 %water	15 %mud
Rec. 339	Feet of MW	%gas	%oil	80 %water	20 %mud
Rec.	Feet of	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud

BHT 124 °F Gravity °API D @ °F Corrected Gravity °API

RW .429 @ 76 °F Chlorides 14,000 ppm Recovery Chlorides 3000 ppm System

	AK-1	Alpine				
(A) Initital Hydrostatic Mud		1841 PSI	Recorder No.	8018	Test ✓	1100
(B) First Initial Flow Pressure		27 PSI	(depth)	3827	Jars	
(C) First Final Flow Pressure		36 PSI	Recorder No.	13548	Safety Jt.	
(D) Initial Shut-In Pressure		1156 PSI	(depth)	3833	Circ Sub	
(E) Second Initial Flow Pressure		39 PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure		166 PSI	(depth)		Straddle	
(G) Final Shut-In Pressure		1077 PSI	**Initial Opening**	5	Ext. Packer	
(Q) Final Hydrostatic Mud		1865 PSI	Initial Shut-In	60	Shale Packer	
			Final Flow	60	Ruined Packer	
			Final Shut-In	~~76~~ 73	Mileage ✓	41.50
			T-On Location	1645	Sub Total:	
			T-Started	1712	Std. By	
			T-Open	1842	Acc. Chg:	
			T-Pulled	~~2277~~ 2200	Other:	
			T-Out	2346	Total:	$1147.50

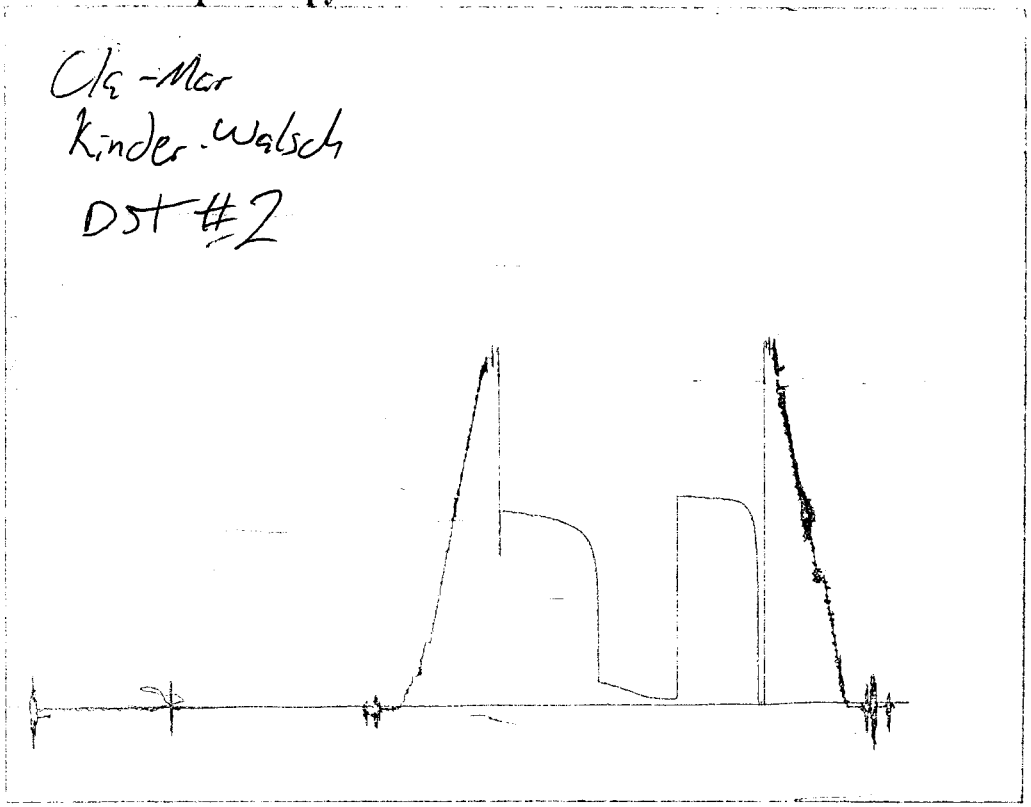
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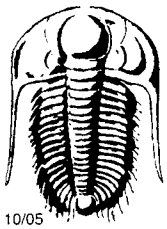
Approved By

Our Representative Brian Fairbank (Mark)

CHART PAGE

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10/05

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

28623

Test Ticket

Well Name & No. Kinder-Walsch Test No. 3 Date 7-27-07

Company Cig-Mar Oil Zone Tested LKC "I-J"

Address Po Box 1197 Hays, Ks 67601 Elevation 2178 KB 2170 GL

Co. Rep / Geo. Randy Kilian Rig Disco 1

Location: Sec. 16 Twp. 13S Rge. 20W Co. Ellis State Ks

Comment: Release date / time:

Interval Tested 3608-3653 Initial Str Wt./Lbs. Unseated Str Wt/Lbs.

Anchor Length 45 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs.

Top Packer Depth 3603 Tool Weight 2500

Bottom Packer Depth 3608 Hole Size 7 7/8" — Rubber Size 6 3/4" —

Total Depth 3915 Wt. Pipe Run — Drill Collar Run 31

Mud Wt. 9.5 LCM Vis. 44 WL 9.2 Drill Pipe Size 4½ XH Ft. Run

Blow Description IFP-

ISI- Packer Failure

FFP-

FSI-

Recovery - Total Feet GIP Ft. in DC Ft. in DP

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

Rec. Feet of %gas %oil %water %mud

BHT °F Gravity °API D @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 3000 ppm System

	AK-1	Alpine				
(A) Initital Hydrostatic Mud			PSI	Recorder No.	8018	Test ✓ 900
(B) First Initial Flow Pressure			PSI	(depth)	3615	Jars
(C) First Final Flow Pressure			PSI	Recorder No.	13548	Safety Jt.
(D) Initial Shut-In Pressure			PSI	(depth)	3912	Circ Sub
(E) Second Initial Flow Pressure			PSI	Recorder No.		Sampler
(F) Second Final Flow Pressure			PSI	(depth)		Straddle ✓ 600
(G) Final Shut-In Pressure			PSI	**Initial Opening**		Ext. Packer
(Q) Final Hydrostatic Mud			PSI	Initial Shut-In		Shale Packer ✓ 250
				Final Flow		Ruined Packer
				Final Shut-In		Mileage ✓ 47.50
				T-On Location	1130	Sub Total:
				T-Started	1149	Std. By
				T-Open		Acc. Chg:
				T-Pulled		Other:
				T-Out		Total: 1797.50

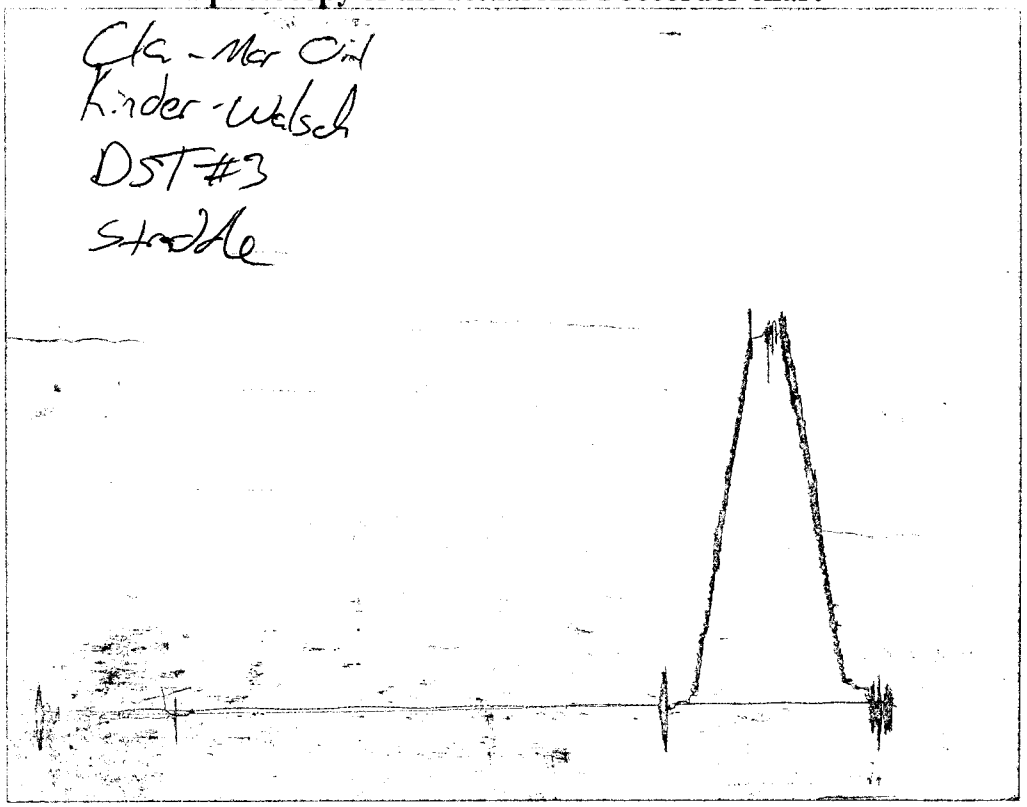
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Approved By

Our Representative Brad Fairbank (Tech)

CHART PAGE

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28624

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

10/05

Test Ticket

Well Name & No. Kinder-Welsch Test No. 4 Date 7-27-07

Company Cla-Mar Oil Zone Tested LKC "I-J" (2)

Address PO Box 1197 Hays, K 67601 Elevation 2178 KB 2170 GL

Co. Rep / Geo. Randy Kilian Rig Disco 1

Location: Sec. 16 Twp. 13S Rge. 20W Co. Ellis State K

Comment: Release date / time:

Interval Tested ~~3605~~ 3625 - 3653 Initial Str Wt./Lbs. Unseated Str Wt/Lbs.

Anchor Length 42 Wt. Set Lbs. ~~25~~ 40,000 Wt. Pulled Loose/Lbs.

Top Packer Depth ~~3600~~ 3606 Tool Weight 2500

Bottom Packer Depth ~~3605~~ 3611 Hole Size 7 7/8" — Rubber Size 6 3/4" —

Total Depth 3915 Wt. Pipe Run — Drill Collar Run 31

Mud Wt. 9.5 LCM Vis. 44 WL 9.2 Drill Pipe Size 4½XH Ft. Run 3590

Flow Description IFP-
ISI- Packer Failure
FFP-
FSI-

Recovery - Total Feet GIP Ft. in DC Ft. in DP

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

Rec. Feet of %gas %oil %water %mud

RT °F Gravity °API D @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 3000 ppm System

	AK-1	Alpine				
) Initial Hydrostatic Mud		PSI	Recorder No.	8018	Test ✓	900
) First Initial Flow Pressure		PSI	(depth)	3615	Jars	
) First Final Flow Pressure		PSI	Recorder No.	13548	Safety Jt.	
) Initial Shut-In Pressure		PSI	(depth)	3912	Circ Sub	
) Second Initial Flow Pressure		PSI	Recorder No.		Sampler	
) Second Final Flow Pressure		PSI	(depth)		Straddle ✓	600
) Final Shut-In Pressure		PSI	**Initial Opening**		Ext. Packer	
) Final Hydrostatic Mud		PSI	Initial Shut-In		Shale Packer ✓	250
			Final Flow		Ruined Packer	
			Final Shut-In		Mileage ✓	4260
			T-On Location	—	Sub Total:	
			T-Started	1508	Std. By	
			T-Open		Acc. Chg:	
			T-Pulled		Other:	
			T-Out		Total:	$1797.50

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Approved By

Our Representative Brian Fairbank (Thanks)

28625

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

10/05

Test Ticket

Well Name & No. Kinder - Walsh Test No. 5 Date 7-27-07

Company Cla-Mar Oil Zone Tested LKC "I-J" (3)

Address PO Box 197 Hays, Ks 67601 Elevation 2178 KB 2170 GL

Co. Rep / Geo. Randy Kilian Rig Discol

Location: Sec. 16 Twp. 13S Rge. 20W Co. Ellis State Ks

Comment: Release date / time:

Interval Tested 3605 - 3653 Initial Str Wt./Lbs. Unseated Str Wt/Lbs.

Anchor Length 48 Wt. Set Lbs. 40,000 Wt. Pulled Loose/Lbs.

Top Packer Depth 3605 Tool Weight 2500

Bottom Packer Depth — Hole Size 7 7/8" — Rubber Size 6 3/4" —

Total Depth 3915 Wt. Pipe Run — Drill Collar Run 31

Mud Wt. 9.5 LCM Vis. 44 WL 9.2 Drill Pipe Size 4½XH Ft. Run

Blow Description IFP-
IST- Packer Failure
FFP-
FST-

Recovery - Total Feet GIP Ft. in DC Ft. in DP

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
Rec.	Feet of	%gas	%oil	%water	%mud

BHT °F Gravity °API D @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 3000 ppm System

	AK-1	Alpine					
(A) Initial Hydrostatic Mud		PSI	Recorder No.	8018	Test ✓	900
(B) First Initial Flow Pressure		PSI	(depth)	3615	Jars	
(C) First Final Flow Pressure		PSI	Recorder No.	13548	Safety Jt.	
(D) Initial Shut-In Pressure		PSI	(depth)	3912	Circ Sub	
(E) Second Initial Flow Pressure		PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure		PSI	(depth)		Straddle ✓	600
(G) Final Shut-In Pressure		PSI	**Initial Opening**		Ext. Packer	
(Q) Final Hydrostatic Mud		PSI	Initial Shut-In		Shale Packer ✓ X2	500
			Final Flow		Ruined Packer	
			Final Shut-In		Mileage ✓	47.50
			T-On Location	—	Sub Total:	
			T-Started	1818	Std. By	
			T-Open		Acc. Chg:	
			T-Pulled		Other:	
			T-Out	2221	Total:	$2047.50

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By

Our Representative Brian Fairbank (Thanks)

CHART PAGE

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

