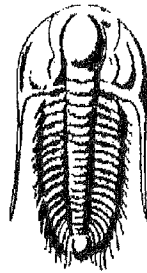


20-8s-23w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Rains & Williamson Oil Co Inc**

220 W Douglas Ste 110
Wichita KS 67202

ATTN: Juanita Green

20 8S 23W Graham KS

Shimek # 1

Start Date: 2006.05.19 @ 22:40:43

End Date: 2006.05.20 @ 06:55:43

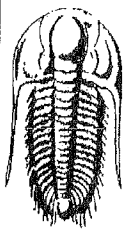
Job Ticket #: 25034 DST #: 1

15 - 065 - 23179 - 00 - 00

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Rains & Williamson Oil Co Inc

220 W Douglas Ste 110
Wichita KS 67202

ATTN: Juanita Green

Shimek # 1

20 8S 23W Graham KS

Job Ticket: 25034

DST#: 1

Test Start: 2006.05.19 @ 22:40:43

GENERAL INFORMATION:

Formation: **L.Kc.-H&I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:41:13

Time Test Ended: 06:55:43

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 31

Interval: **3704.00 ft (KB) To 3750.00 ft (KB) (TVD)**

Total Depth: 3750.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2256.00 ft (KB)

2251.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8018

Inside

Press@RunDepth: 566.19 psig @ 3707.00 ft (KB)

Start Date: 2006.05.19

End Date:

2006.05.20

Start Time: 22:40:48

End Time:

06:55:42

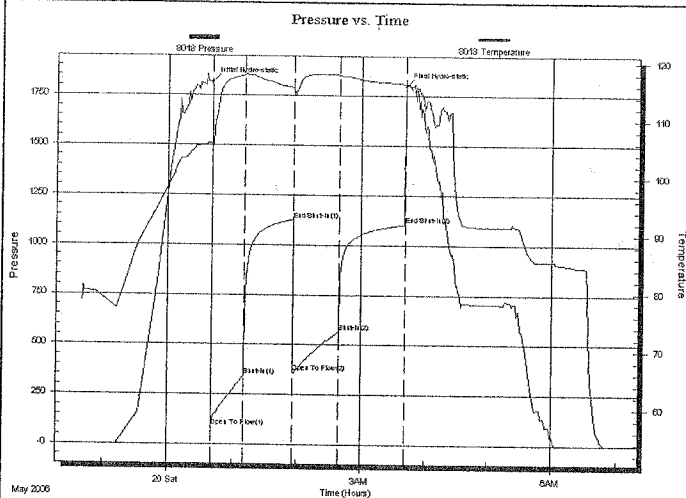
Capacity: 7000.00 psig

Last Calib.: 2006.05.20

Time On Btm: 2006.05.20 @ 00:40:43

Time Off Btm: 2006.05.20 @ 03:42:12

TEST COMMENT: IF Strong BOB 2"
ISI Strong BOB 17"
FF Strong BOB 3"
FSI Strong BOB 16"



PRESSURE SUMMARY

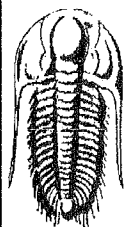
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1818.09	105.94	Initial Hydro-static
1	84.72	105.44	Open To Flow (1)
31	343.68	117.72	Shut-In(1)
76	1126.02	115.59	End Shut-In(1)
76	359.94	115.29	Open To Flow (2)
119	566.19	117.84	Shut-In(2)
181	1102.20	116.30	End Shut-In(2)
182	1798.64	116.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
260.00	SW	1.97
140.00	GOMCW 20%G 10%O 30%M 40%W	1.96
1060.00	GO	14.87
0.00	1550 GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Rains & Williamson Oil Co Inc

Shimek # 1

220 W Douglas Ste 110
Wichita KS 67202

20 8S 23W Graham KS

Job Ticket: 25034

DST#: 1

ATTN: Juanita Green

Test Start: 2006.05.19 @ 22:40:43

Tool Information

Drill Pipe: Length: 3516.00 ft Diameter: 3.80 inches Volume: 49.32 bbl
Heavy Wt. Pipe: Length: 0.00 ft Diameter: 2.70 inches Volume: 0.00 bbl
Drill Collar: Length: 184.00 ft Diameter: 2.25 inches Volume: 0.90 bbl
Total Volume: 50.22 bbl

Tool Weight: 2200.00 lb
Weight set on Packer: 25000.00 lb
Weight to Pull Loose: 50000.00 lb
Tool Chased 0.00 ft
String Weight: Initial 36000.00 lb
Final 44000.00 lb

Drill Pipe Above KB: 16.00 ft
Depth to Top Packer: 3704.00 ft
Depth to Bottom Packer: ft
Interval between Packers: 46.00 ft
Tool Length: 66.00 ft

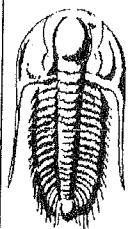
Number of Packers: 2 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3685.00	
Shut In Tool	5.00			3690.00	
Hydraulic tool	5.00			3695.00	
Packer	4.00			3699.00	20.00 Bottom Of Top Packer
Packer	5.00			3704.00	
Stubb	1.00			3705.00	
Perforations	1.00			3706.00	
Change Over Sub	1.00			3707.00	
Recorder	0.00	8018	Inside	3707.00	
Blank Spacing	31.00			3738.00	
Change Over Sub	1.00			3739.00	
Perforations	8.00			3747.00	
Recorder	0.00	13308	Outside	3747.00	
Bullnose	3.00			3750.00	46.00 Bottom Packers & Anchor

Total Tool Length: 66.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Rains & Williamson Oil Co Inc

Shimek # 1

220 W Douglas Ste 110
Wichita KS 67202

20 8S 23W Graham KS

Job Ticket: 25034

DST#: 1

ATTN: Juanita Green

Test Start: 2006.05.19 @ 22:40:43

Mud and Cushion Information

Mud Type: Water

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 7.98 in³

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: 42 deg API

Water Salinity: 35000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
260.00	SW	1.971
140.00	GOMCW 20%G 10%O 30%M 40%W	1.964
1060.00	GO	14.869
0.00	1550 GIP	0.000

Total Length: 1460.00 ft

Total Volume: 18.804 bbl

Num Fluid Samples: 0

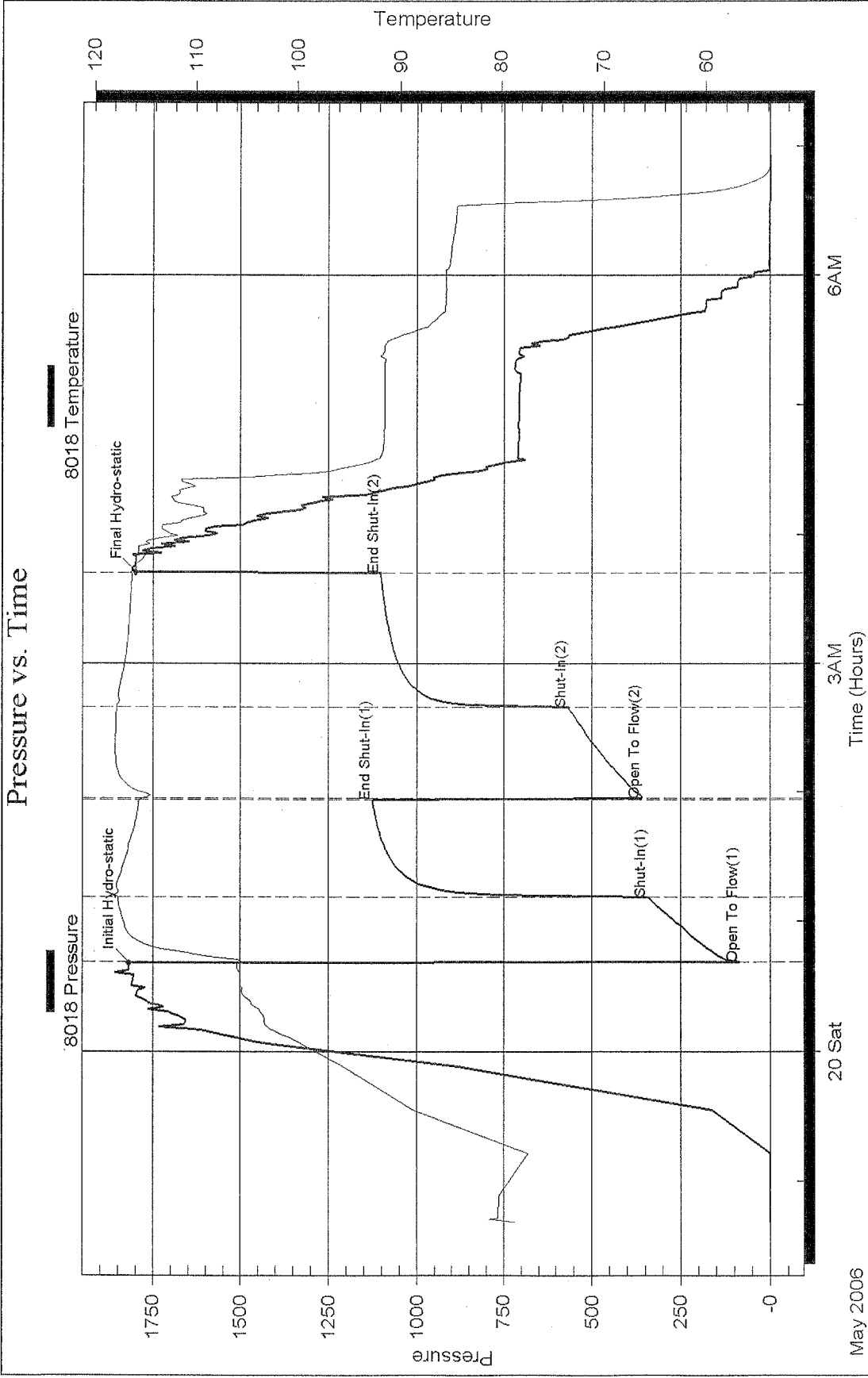
Num Gas Bombs: 0

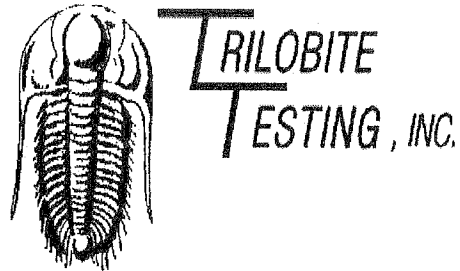
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Rains & Williamson Oil Co Inc**

220 W Douglas Ste 110
Wichita KS 67202

ATTN: Juanita Green

20 8S 23W Graham KS

Shimek # 1

Start Date: 2006.05.20 @ 14:12:22

End Date: 2006.05.20 @ 21:24:22

Job Ticket #: 25035 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Rains & Williamson Oil Co Inc

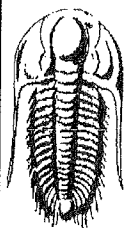
Shimek # 1

20 8S 23W Graham KS

DST # 2

L.Kc.-J

2006.05.20



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Rains & Williamson Oil Co Inc

220 W Douglas Ste 110
Wichita KS 67202

ATTN: Juanita Green

Shimek # 1

20 8S 23W Graham KS

Job Ticket: 25035

DST#: 2

Test Start: 2006.05.20 @ 14:12:22

GENERAL INFORMATION:

Formation: **L.Kc.- J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:15:52

Time Test Ended: 21:24:22

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 31

Interval: **3753.00 ft (KB) To 3780.00 ft (KB) (TVD)**

Total Depth: 3780.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2256.00 ft (KB)

2251.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **8018**

Inside

Press@RunDepth: 265.25 psig @ 3757.00 ft (KB)

Start Date: 2006.05.20

End Date: 2006.05.20

Capacity: 7000.00 psig

Last Calib.: 2006.05.20

Start Time: 14:12:27

End Time: 21:24:21

Time On Btm: 2006.05.20 @ 16:15:22

Time Off Btm: 2006.05.20 @ 19:14:51

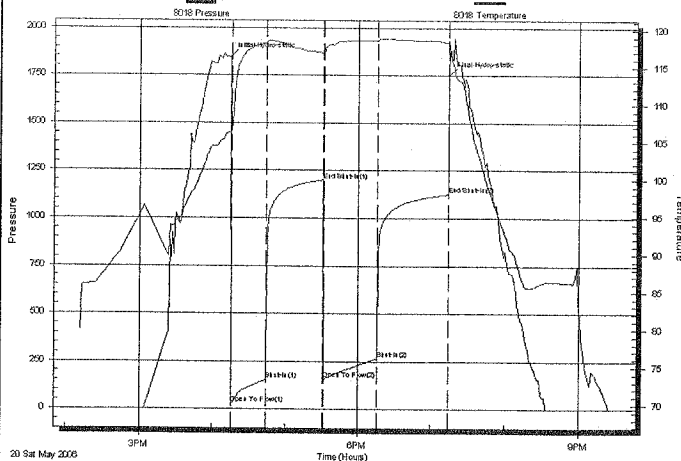
TEST COMMENT: IF Strong BOB 14"

ISI Dead

FF Strong BOB 19"

FSI Dead

Pressure vs. Time



PRESSURE SUMMARY

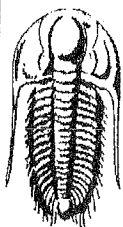
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1845.91	106.24	Initial Hydro-static
1	23.69	106.55	Open To Flow (1)
29	151.23	118.22	Shut-In (1)
75	1198.89	116.94	End Shut-In (1)
76	156.56	116.68	Open To Flow (2)
120	265.25	118.52	Shut-In (2)
179	1123.99	118.26	End Shut-In (2)
180	1751.68	118.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
554.00	S.Water	6.10

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Rains & Williamson Oil Co Inc

Shimek # 1

220 W Douglas Ste 110
Wichita KS 67202

20 8S 23W Graham KS

Job Ticket: 25035

DST#: 2

ATTN: Juanita Green

Test Start: 2006.05.20 @ 14:12:22

Tool Information

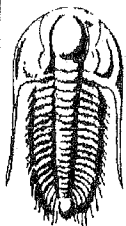
Drill Pipe:	Length: 3575.00 ft	Diameter: 3.80 inches	Volume: 50.15 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 44000.00 lb
		Total Volume: 51.05 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3753.00 ft			Final 37000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	47.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00		3734.00	
Shut In Tool	5.00		3739.00	
Hydraulic tool	5.00		3744.00	
Packer	4.00		3748.00	20.00 Bottom Of Top Packer
Packer	5.00		3753.00	
Stubb	1.00		3754.00	
Perforations	3.00		3757.00	
Recorder	0.00	8018 Inside	3757.00	
Perforations	20.00		3777.00	
Recorder	0.00	13308 Outside	3777.00	
Bullnose	3.00		3780.00	27.00 Bottom Packers & Anchor

Total Tool Length: 47.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Rains & Williamson Oil Co Inc

Shimek # 1

220 W Douglas Ste 110
Wichita KS 67202

20 8S 23W Graham KS

Job Ticket: 25035

DST#: 2

ATTN: Juanita Green

Test Start: 2006.05.20 @ 14:12:22

Mud and Cushion Information

Mud Type: Water

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 7.98 in³

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: 28000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
554.00	S.Water	6.095

Total Length: 554.00 ft

Total Volume: 6.095 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

