

15-063-21839

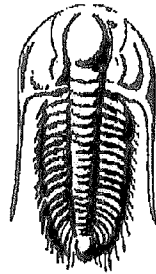
17-13s-31w

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JUL 21 2010

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co Inc**

202 W Main St
Salem, IL 62881

ATTN: Steve Davis

17-13s-31w Gove, Ks

KMB Bros #1-17

Start Date: 2010.06.04 @ 12:40:30

End Date: 2010.06.04 @ 19:35:45

Job Ticket #: 38845 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Shakespeare Oil Co Inc

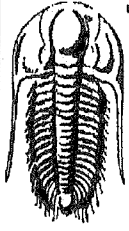
KMB Bros #1-17

17-13s-31w Gove, Ks

DST # 1

B

2010.06.04



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co Inc

KMB Bros #1-17

202 W Main St
Salem, IL 62881

17-13s-31w Gove, Ks

ATTN: Steve Davis

Job Ticket: 38845

DST#: 1

Test Start: 2010.06.04 @ 12:40:30

GENERAL INFORMATION:

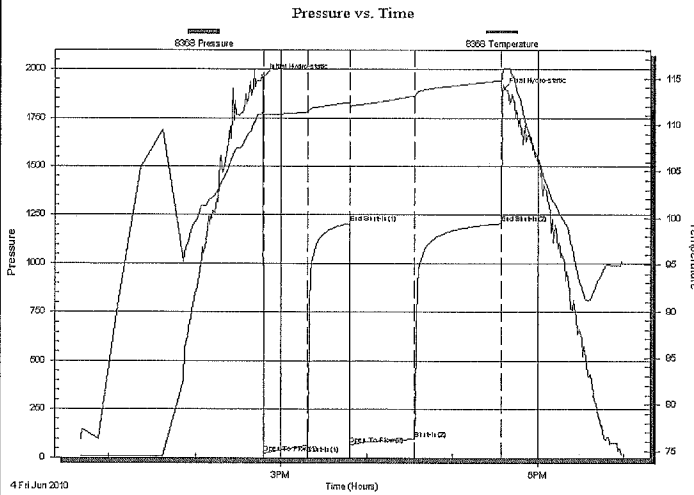
Formation: **B**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:47:30
 Time Test Ended: 19:35:45
 Interval: **4002.00 ft (KB) To 4030.00 ft (KB) (TVD)**
 Total Depth: 4030.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Shane McBride
 Unit No: 40
 Reference Elevations: 2944.00 ft (KB)
 2934.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8368

Inside

Press@RunDepth: 98.13 psig @ 4003.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.06.04 End Date: 2010.06.04 Last Calib.: 2010.06.04
 Start Time: 12:40:30 End Time: 18:59:45 Time On Btm: 2010.06.04 @ 14:47:15
 Time Off Btm: 2010.06.04 @ 17:34:30

TEST COMMENT: 1 1/2" in blow
 No return
 1 1/2" in blow
 No return



PRESSURE SUMMARY

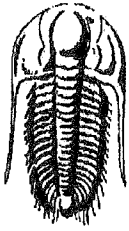
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1953.67	111.64	Initial Hydro-static
1	22.84	110.56	Open To Flow (1)
32	65.22	111.43	Shut-In(1)
61	1206.90	112.45	End Shut-In(1)
61	68.76	111.72	Open To Flow (2)
106	98.13	113.13	Shut-In(2)
167	1206.40	114.82	End Shut-In(2)
168	1888.89	115.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	water 100%w	0.59
30.00	s m c w 20% m 80% w w/oil spots on top	0.38

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co Inc

KMB Bros #1-17

202 W Main St
Salem, IL 62881

17-13s-31w Gove, Ks

Job Ticket: 38845

DST#: 1

ATTN: Steve Davis

Test Start: 2010.06.04 @ 12:40:30

Tool Information

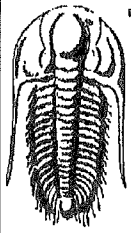
Drill Pipe:	Length: 3861.00 ft	Diameter: 3.80 inches	Volume: 54.16 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 54.77 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4002.00 ft			Final 71000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	55.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3976.00	
Shut In Tool	5.00			3981.00	
Hydraulic tool	5.00			3986.00	
Jars *	5.00			3991.00	
Safety Joint	2.00			3993.00	
Packer	5.00			3998.00	27.00 Bottom Of Top Packer
Packer	4.00			4002.00	
Stubb	1.00			4003.00	
Recorder	0.00	6771	Outside	4003.00	
Recorder	0.00	8368	Inside	4003.00	
Perforations	22.00			4025.00	
Bullnose	5.00			4030.00	28.00 Bottom Packers & Anchor

Total Tool Length: 55.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co Inc
202 W Main St
Salem, IL 62881
ATTN: Steve Davis

KMB Bros #1-17
17-13s-31w Gove, Ks
Job Ticket: 38845 **DST#: 1**
Test Start: 2010.06.04 @ 12:40:30

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 28000 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.90 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 2400.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	water 100%w	0.590
30.00	s m c w 20% m 80% w w /oil spots on top	0.384

Total Length: 150.00 ft Total Volume: 0.974 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: rw .173 @ 100*f = 28,000 chlor

Serial #: 8368

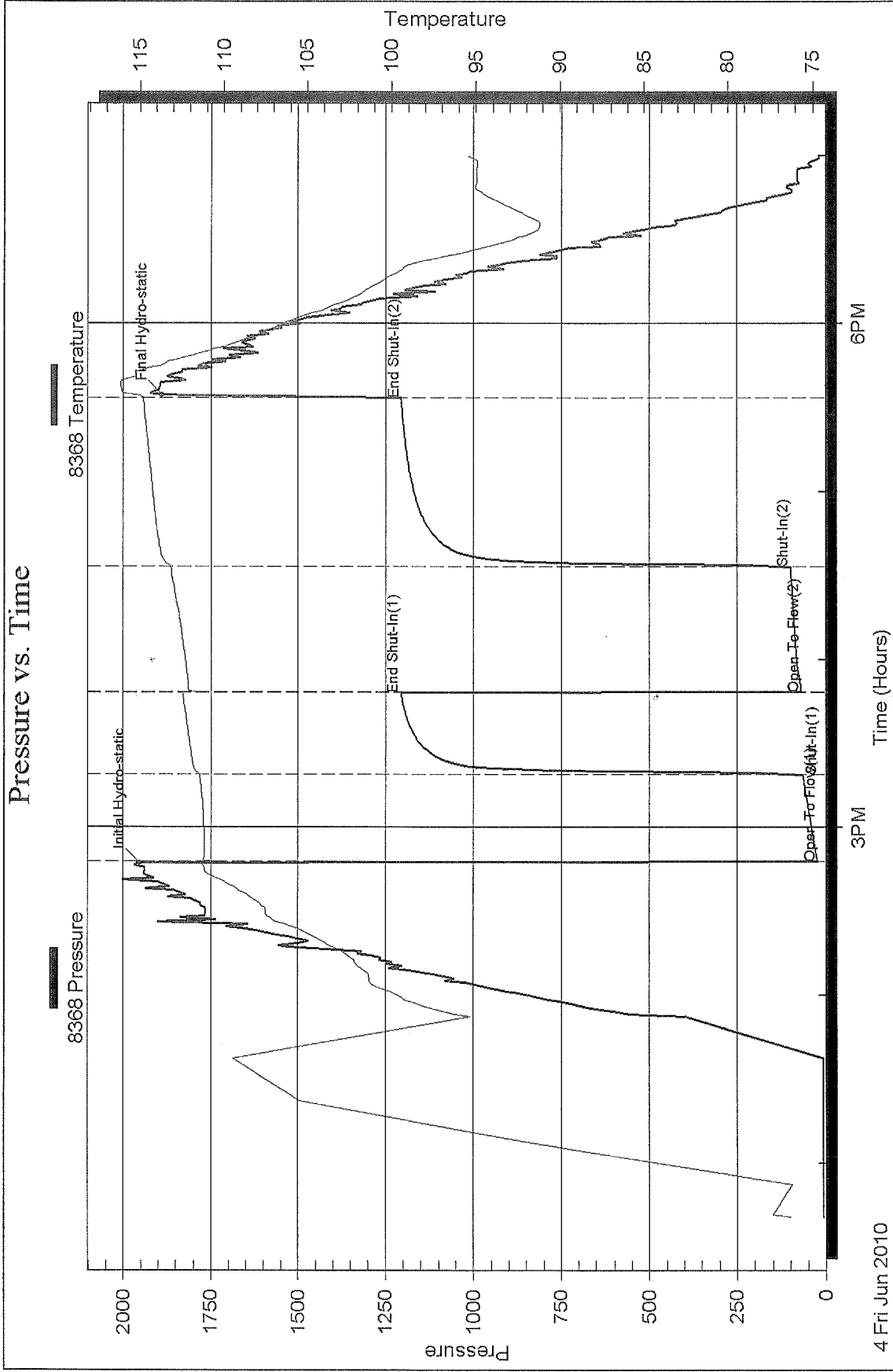
Inside

Shakespeare Oil Co Inc

17-13s-31w Gove, Ks

DST Test Number: 1

Pressure vs. Time

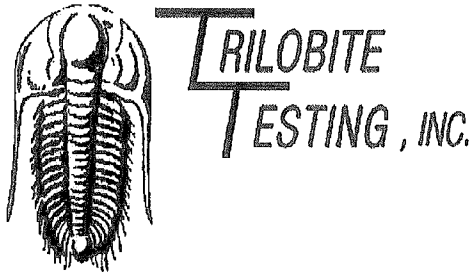


4 Fri Jun 2010

Trilobite Testing, Inc

Ref. No: 38845

Printed: 2010.06.23 @ 09:33:06 Page 5



DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co Inc**

202 W Main St
Salem , IL 62881

ATTN: Steve Davis

17-13s-31w Gove, Ks

KMB Bros #1-17

Start Date: 2010.06.05 @ 04:56:11

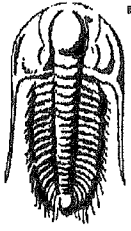
End Date: 2010.06.05 @ 11:35:56

Job Ticket #: 38846 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co Inc

KMB Bros #1-17

202 W Main St
Salem, IL 62881

17-13s-31w Gove, Ks

ATTN: Steve Davis

Job Ticket: 38846

DST#: 2

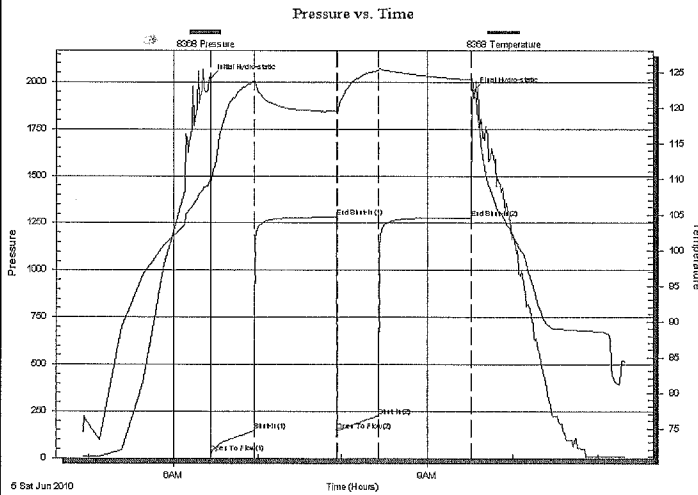
Test Start: 2010.06.05 @ 04:56:11

GENERAL INFORMATION:

Formation: **D-E**
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole**
 Time Tool Opened: **06:26:26** Tester: **Shane McBride**
 Time Test Ended: **11:35:56** Unit No: **40**
 Interval: **4068.00 ft (KB) To 4090.00 ft (KB) (TVD)** Reference Elevations: **2944.00 ft (KB)**
 Total Depth: **4090.00 ft (KB) (TVD)** **2934.00 ft (CF)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **10.00 ft**

Serial #: 8368 **Inside**
 Press@RunDepth: **225.69 psig @ 4069.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2010.06.05** End Date: **2010.06.05** Last Calib.: **2010.06.05**
 Start Time: **04:56:11** End Time: **11:19:56** Time On Btm: **2010.06.05 @ 06:25:56**
 Time Off Btm: **2010.06.05 @ 09:31:41**

TEST COMMENT: B.O.B. in 27 min.
 No return
 10 1/2" in blow
 No return



PRESSURE SUMMARY

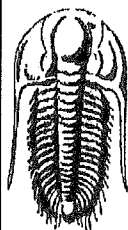
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2020.78	109.98	Initial Hydro-static
1	28.15	109.53	Open To Flow (1)
32	147.92	123.73	Shut-In(1)
91	1282.00	119.53	End Shut-In(1)
92	149.10	119.26	Open To Flow (2)
121	225.69	125.26	Shut-In(2)
185	1279.89	123.97	End Shut-In(2)
186	1955.15	122.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
300.00	water 100%w	3.08
120.00	m c w 30% m 70% w	1.68

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co Inc

KMB Bros #1-17

202 W Main St
Salem, IL 62881

17-13s-31w Gove, Ks

Job Ticket: 38846

DST#: 2

ATTN: Steve Davis

Test Start: 2010.06.05 @ 04:56:11

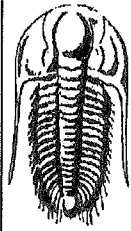
Tool Information

Drill Pipe:	Length: 3923.00 ft	Diameter: 3.80 inches	Volume: 55.03 bbl	Tool Weight: 1500.00 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 55.64 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4068.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	49.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4042.00	
Shut In Tool	5.00			4047.00	
Hydraulic tool	5.00			4052.00	
Jars	5.00			4057.00	
Safety Joint	2.00			4059.00	
Packer	5.00			4064.00	27.00 Bottom Of Top Packer
Packer	4.00			4068.00	
Stubb	1.00			4069.00	
Recorder	0.00	6771	Outside	4069.00	
Recorder	0.00	8368	Inside	4069.00	
Perforations	16.00			4085.00	
Bullnose	5.00			4090.00	22.00 Bottom Packers & Anchor
Total Tool Length:	49.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co Inc

KMB Bros #1-17

202 W Main St
Salem, IL 62881

17-13s-31w Gove, Ks

Job Ticket: 38846

DST#: 2

ATTN: Steve Davis

Test Start: 2010.06.05 @ 04:56:11

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

37000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.92 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
300.00	water 100%w	3.079
120.00	mc w 30%m 70%w	1.683

Total Length: 420.00 ft Total Volume: 4.762 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw .148 @ 89*f = 37,000 chlor

Serial #: 8368

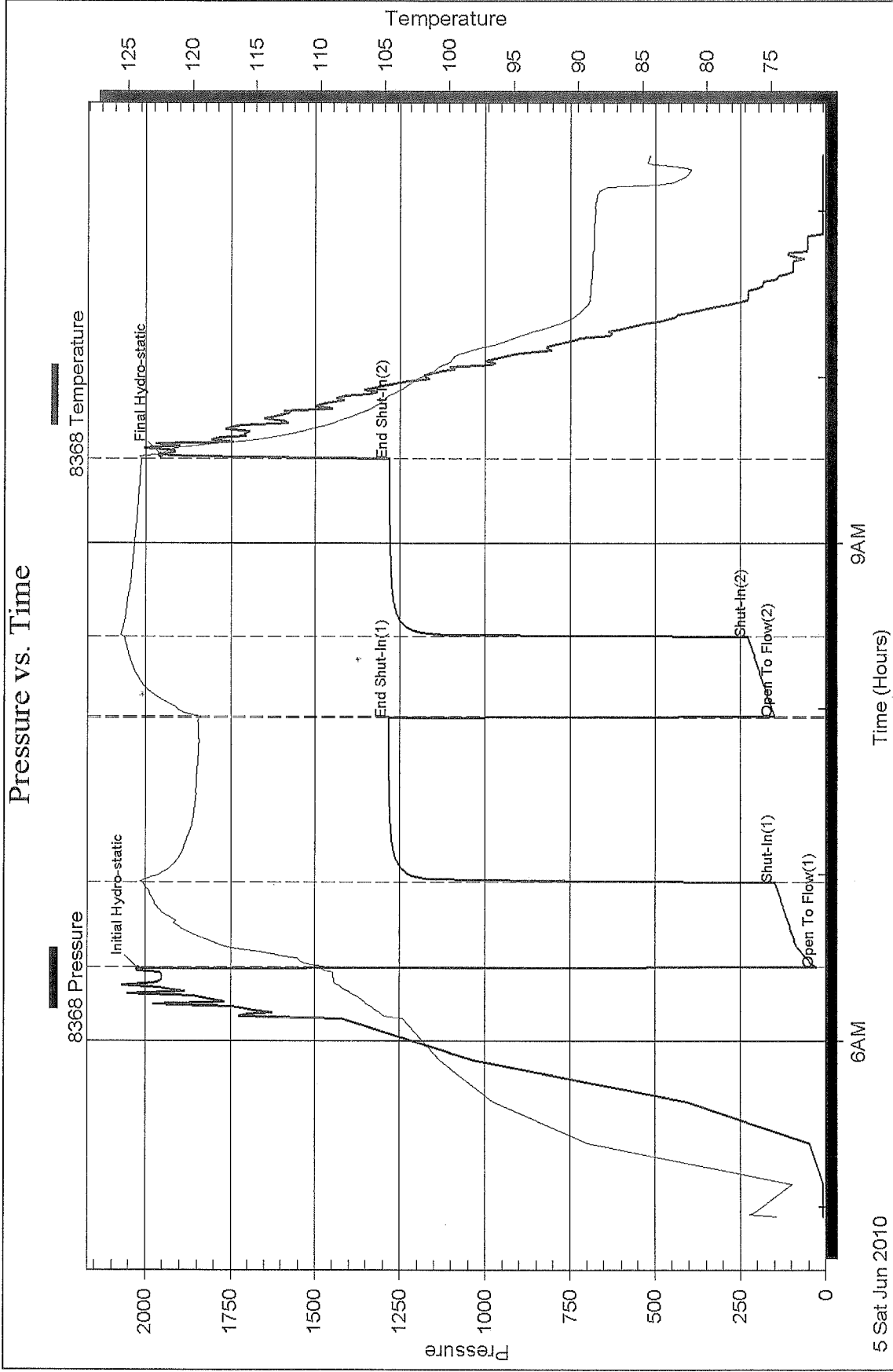
Inside

Shakespeare Oil Co Inc

17-13s-31w Gove, Ks

DST Test Number: 2

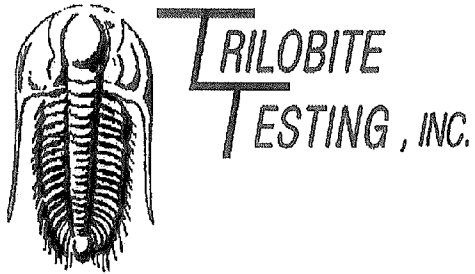
Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 38846

Printed: 2010.06.23 @ 09:33:25 Page 5



DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co Inc**

202 W Main St
Salem, IL 62881

ATTN: Steve Davis

17-13s-31w Gove, Ks

KMB Bros #1-17

Start Date: 2010.06.05 @ 22:15:39

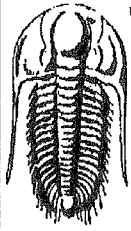
End Date: 2010.06.06 @ 04:00:39

Job Ticket #: 38847 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co Inc

KMB Bros #1-17

202 W Main St
Salem, IL 62881

17-13s-31w Gove, Ks

ATTN: Steve Davis

Job Ticket: 38847

DST#: 3

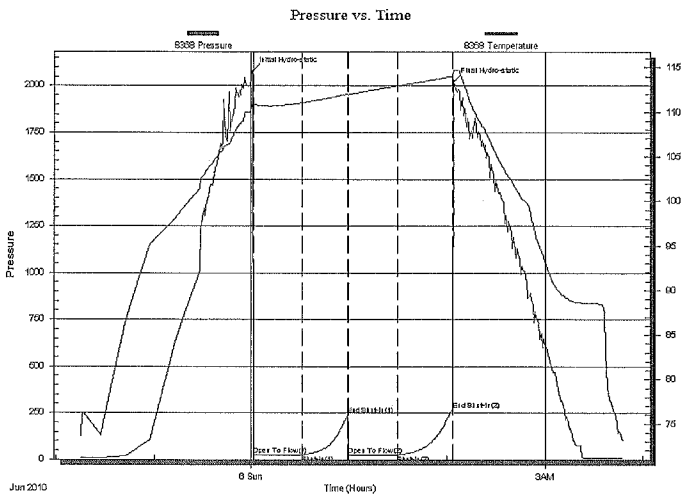
Test Start: 2010.06.05 @ 22:15:39

GENERAL INFORMATION:

Formation: **H**
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole**
 Time Tool Opened: **00:01:24** Tester: **Shane McBride**
 Time Test Ended: **04:00:39** Unit No: **40**
 Interval: **4128.00 ft (KB) To 4162.00 ft (KB) (TVD)** Reference Elevations: **2944.00 ft (KB)**
 Total Depth: **4162.00 ft (KB) (TVD)** **2934.00 ft (CF)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **10.00 ft**

Serial #: 8368 Inside
 Press@RunDepth: **27.00 psig @ 4129.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2010.06.05** End Date: **2010.06.06** Last Calib.: **2010.06.06**
 Start Time: **22:15:39** End Time: **03:47:39** Time On Btm: **2010.06.06 @ 00:01:09**
 Time Off Btm: **2010.06.06 @ 02:04:24**

TEST COMMENT: Weak blow died in 13 min
 No return
 No blow
 No return



PRESSURE SUMMARY

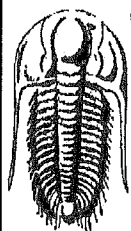
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2079.17	110.99	Initial Hydro-static
1	25.01	110.43	Open To Flow (1)
31	25.90	111.03	Shut-In (1)
59	242.63	112.03	End Shut-In(1)
59	25.35	111.96	Open To Flow (2)
89	27.00	112.97	Shut-In(2)
123	269.12	114.02	End Shut-In(2)
124	2024.40	114.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100% oil spots on top	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co Inc

KMB Bros #1-17

202 W Main St
Salem, IL 62881

17-13s-31w Gove, Ks

Job Ticket: 38847

DST#: 3

ATTN: Steve Davis

Test Start: 2010.06.05 @ 22:15:39

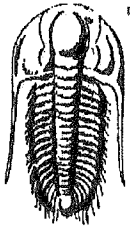
Tool Information

Drill Pipe:	Length: 3982.00 ft	Diameter: 3.80 inches	Volume: 55.86 bbl	Tool Weight: 1500.00 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 92000.00 lb
			<u>Total Volume: 56.47 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4128.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	61.00 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			4102.00	
Shut In Tool	5.00			4107.00	
Hydraulic tool	5.00			4112.00	
Jars	5.00			4117.00	
Safety Joint	2.00			4119.00	
Packer	5.00			4124.00	27.00 Bottom Of Top Packer
Packer	4.00			4128.00	
Stubb	1.00			4129.00	
Recorder	0.00	6771	Outside	4129.00	
Recorder	0.00	8368	Inside	4129.00	
Perforations	28.00			4157.00	
Bullnose	5.00			4162.00	34.00 Bottom Packers & Anchor

Total Tool Length: 61.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co Inc

KMB Bros #1-17

202 W Main St
Salem, IL 62881

17-13s-31w Gove, Ks

Job Ticket: 38847

DST#: 3

ATTN: Steve Davis

Test Start: 2010.06.05 @ 22:15:39

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.92 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	mud 100% oil spots on top	0.010

Total Length: 2.00 ft

Total Volume: 0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

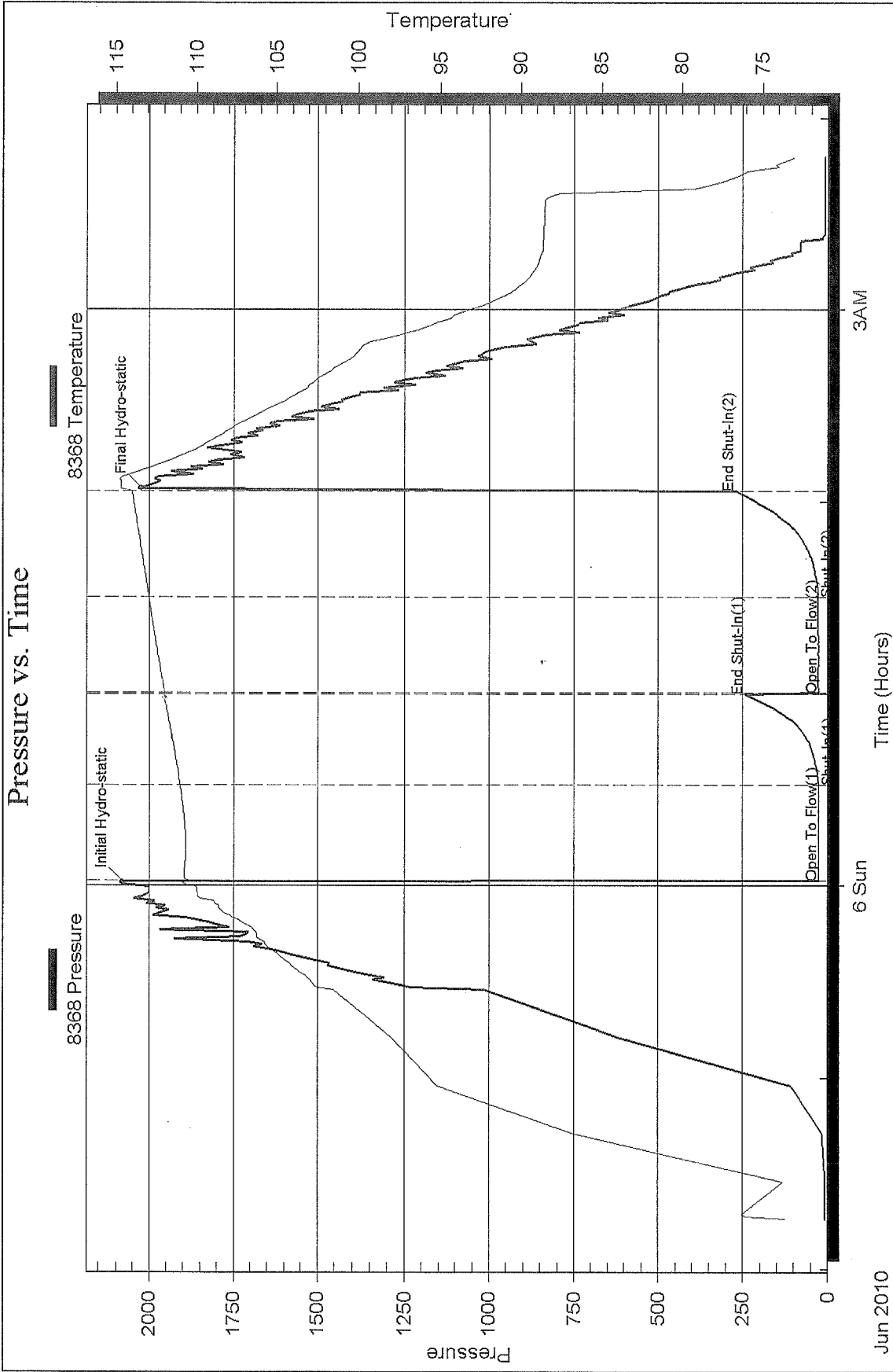
Serial #:

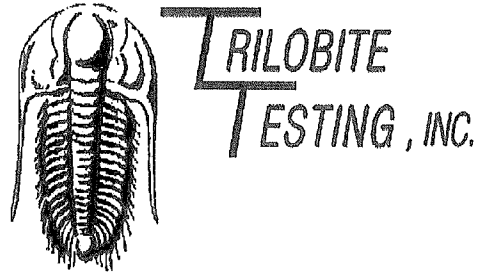
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co Inc**

202 W Main St
Salem , IL 62881

ATTN: Steve Davis

17-13s-31w Gove, Ks

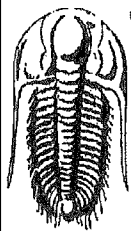
KMB Bros #1-17

Start Date: 2010.06.06 @ 13:40:15

End Date: 2010.06.06 @ 19:35:30

Job Ticket #: 38848 DST #: 4

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co Inc

KMB Bros #1-17

202 W Main St
Salem, IL 62881

17-13s-31w Gove, Ks

ATTN: Steve Davis

Job Ticket: 38848

DST#: 4

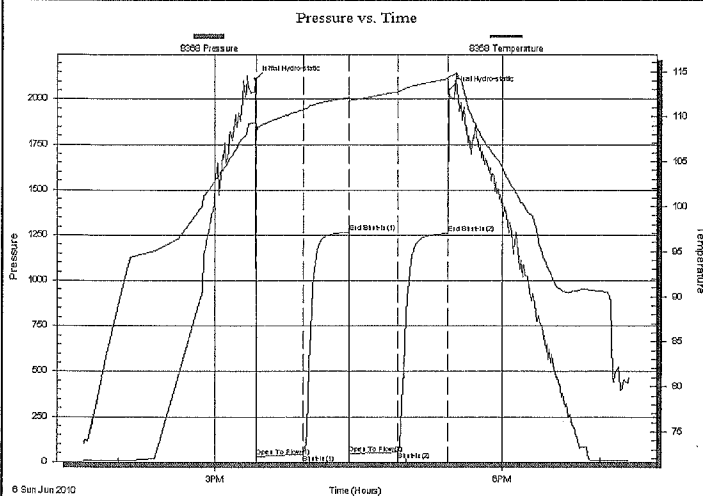
Test Start: 2010.06.06 @ 13:40:15

GENERAL INFORMATION:

Formation: **I,J**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:26:30
 Time Test Ended: 19:35:30
 Test Type: Conventional Bottom Hole
 Tester: Shane McBride
 Unit No: 40
 Interval: **4165.00 ft (KB) To 4210.00 ft (KB) (TVD)**
 Reference Elevations: 2944.00 ft (KB)
 Total Depth: 4210.00 ft (KB) (TVD) 2934.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 8368 Inside
 Press@RunDepth: 55.79 psig @ 4166.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.06.06 End Date: 2010.06.06 Last Calib.: 2010.06.06
 Start Time: 13:40:15 End Time: 19:18:30 Time On Btm: 2010.06.06 @ 15:25:45
 Time Off Btm: 2010.06.06 @ 17:26:30

TEST COMMENT: Weak blow died in 15 min.
 No return
 No blow
 No return



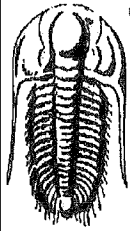
PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2110.35	109.34	Initial Hydro-static
1	29.42	108.11	Open To Flow (1)
30	42.86	110.74	Shut-In(1)
59	1268.09	112.12	End Shut-In(1)
60	45.62	111.52	Open To Flow (2)
90	55.79	112.76	Shut-In(2)
120	1259.69	114.18	End Shut-In(2)
121	2050.92	114.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100%mw/oil spots	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co Inc

KMB Bros #1-17

202 W Main St
Salem, IL 62881

17-13s-31w Gove, Ks

Job Ticket: 38848

DST#: 4

ATTN: Steve Davis

Test Start: 2010.06.06 @ 13:40:15

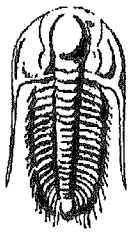
Tool Information

Drill Pipe:	Length: 4044.00 ft	Diameter: 3.80 inches	Volume: 56.73 bbl	Tool Weight: 1500.00 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 57.34 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4165.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	72.00 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			4139.00	
Shut In Tool	5.00			4144.00	
Hydraulic tool	5.00			4149.00	
Jars	5.00			4154.00	
Safety Joint	2.00			4156.00	
Packer	5.00			4161.00	27.00 Bottom Of Top Packer
Packer	4.00			4165.00	
Stubb	1.00			4166.00	
Recorder	0.00	6771	Outside	4166.00	
Recorder	0.00	8368	Inside	4166.00	
Perforations	7.00			4173.00	
Change Over Sub	1.00			4174.00	
Drill Pipe	30.00			4204.00	
Change Over Sub	1.00			4205.00	
Bullnose	5.00			4210.00	45.00 Bottom Packers & Anchor

Total Tool Length: 72.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co Inc

KMB Bros #1-17

202 W Main St
Salem, IL 62881

17-13s-31w Gove, Ks

Job Ticket: 38848

DST#: 4

ATTN: Steve Davis

Test Start: 2010.06.06 @ 13:40:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.74 in³

Gas Cushion Type:

Resistivity: 0.00 ohm

Gas Cushion Pressure:

psig

Salinity: 3900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100%mw/oil spots	0.049

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 0

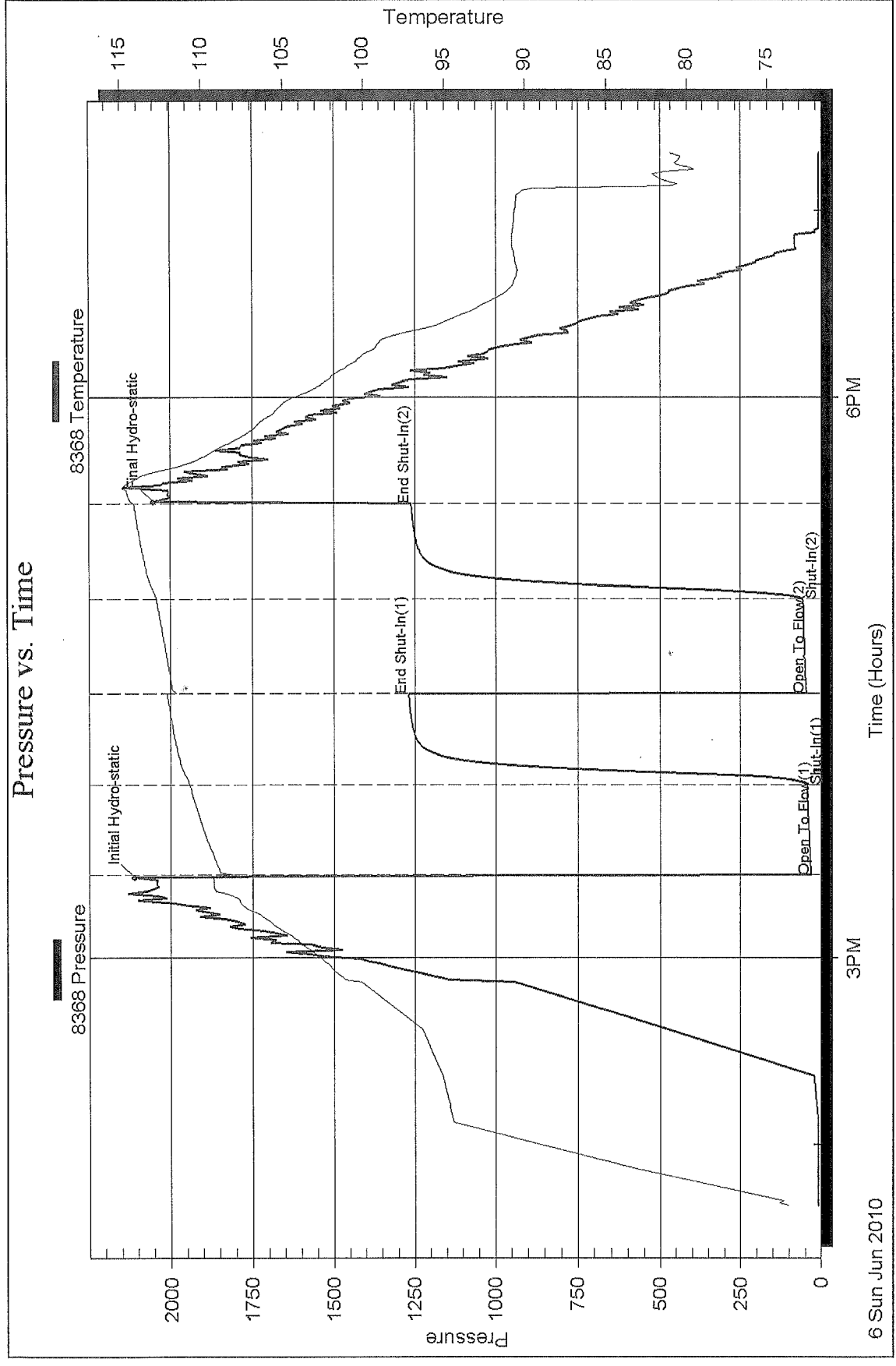
Num Gas Bombs: 0

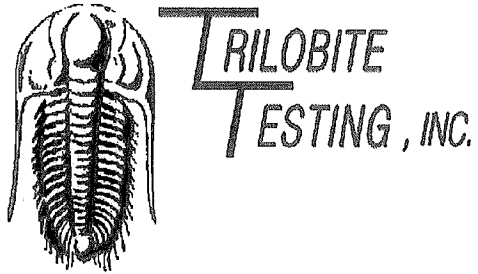
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co Inc**

202 W Main St
Salem , IL 62881

ATTN: Steve Davis

17-13s-31w Gove, Ks

KMB Bros #1-17

Start Date: 2010.06.07 @ 02:13:46

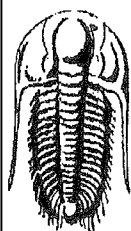
End Date: 2010.06.07 @ 09:00:01

Job Ticket #: 38849 DST #: 5

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co Inc

KMB Bros #1-17

202 W Main St
Salem, IL 62881

17-13s-31w Gove, Ks

ATTN: Steve Davis

Job Ticket: 38849

DST#: 5

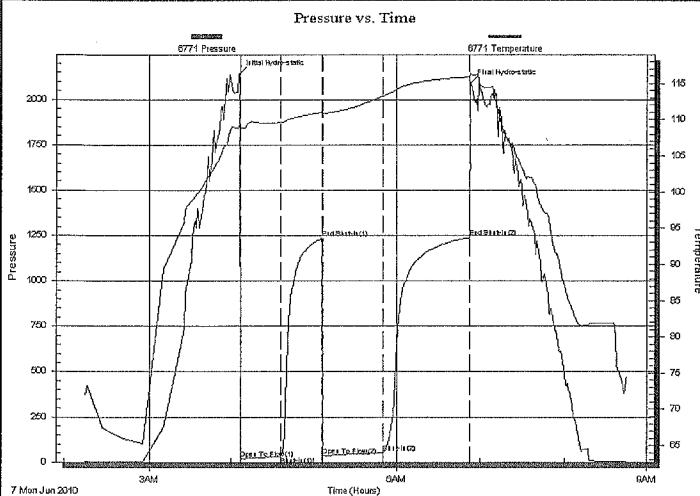
Test Start: 2010.06.07 @ 02:13:46

GENERAL INFORMATION:

Formation: **K**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: 04:06:16
 Time Test Ended: 09:00:01
 Test Type: Conventional Bottom Hole
 Tester: Shane McBride
 Unit No: 40
 Interval: **4212.00 ft (KB) To 4235.00 ft (KB) (TVD)**
 Total Depth: **4235.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Reference Elevations: **2944.00 ft (KB)**
2934.00 ft (CF)
 KB to GR/CF: **10.00 ft**

Serial #: 6771 **Outside**
 Press@RunDepth: **53.95 psig @ 4213.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2010.06.07** End Date: **2010.06.07** Last Calib.: **2010.06.07**
 Start Time: **02:13:46** End Time: **08:46:01** Time On Btm: **2010.06.07 @ 04:06:01**
 Time Off Btm: **2010.06.07 @ 06:53:01**

TEST COMMENT: 1" in. blow
 No return
 1/2" in. + blow
 No return



PRESSURE SUMMARY

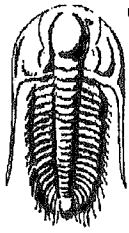
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2138.69	109.37	Initial Hydro-static
1	19.92	108.46	Open To Flow (1)
31	32.56	109.63	Shut-In(1)
60	1232.71	111.00	End Shut-In(1)
61	37.10	110.78	Open To Flow (2)
105	53.95	113.26	Shut-In(2)
166	1238.17	115.89	End Shut-In(2)
167	2087.96	116.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	free oil 100%o	0.00
64.00	mud w /oil spots 100%rn	0.31

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co Inc

KMB Bros #1-17

202 W Main St
Salem, IL 62881

17-13s-31w Gove, Ks

Job Ticket: 38849

DST#: 5

ATTN: Steve Davis

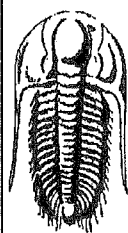
Test Start: 2010.06.07 @ 02:13:46

Tool Information

Drill Pipe:	Length: 4074.00 ft	Diameter: 3.80 inches	Volume: 57.15 bbl	Tool Weight: 1500.00 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 57.76 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4212.00 ft			Final 73000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	50.00 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			4186.00	
Shut In Tool	5.00			4191.00	
Hydraulic tool	5.00			4196.00	
Jars	5.00			4201.00	
Safety Joint	2.00			4203.00	
Packer	5.00			4208.00	27.00 Bottom Of Top Packer
Packer	4.00			4212.00	
Stubb	1.00			4213.00	
Recorder	0.00	6771	Outside	4213.00	
Recorder	0.00	8368	Inside	4213.00	
Perforations	17.00			4230.00	
Bullnose	5.00			4235.00	23.00 Bottom Packers & Anchor

Total Tool Length: 50.00



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co Inc

KMB Bros #1-17

202 W Main St
Salem, IL 62881

17-13s-31w Gove, Ks

ATTN: Steve Davis

Job Ticket: 38849

DST#: 5

Test Start: 2010.06.07 @ 02:13:46

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.74 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 3900.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	free oil 100%o	0.005
64.00	mud w/oil spots 100%m	0.315

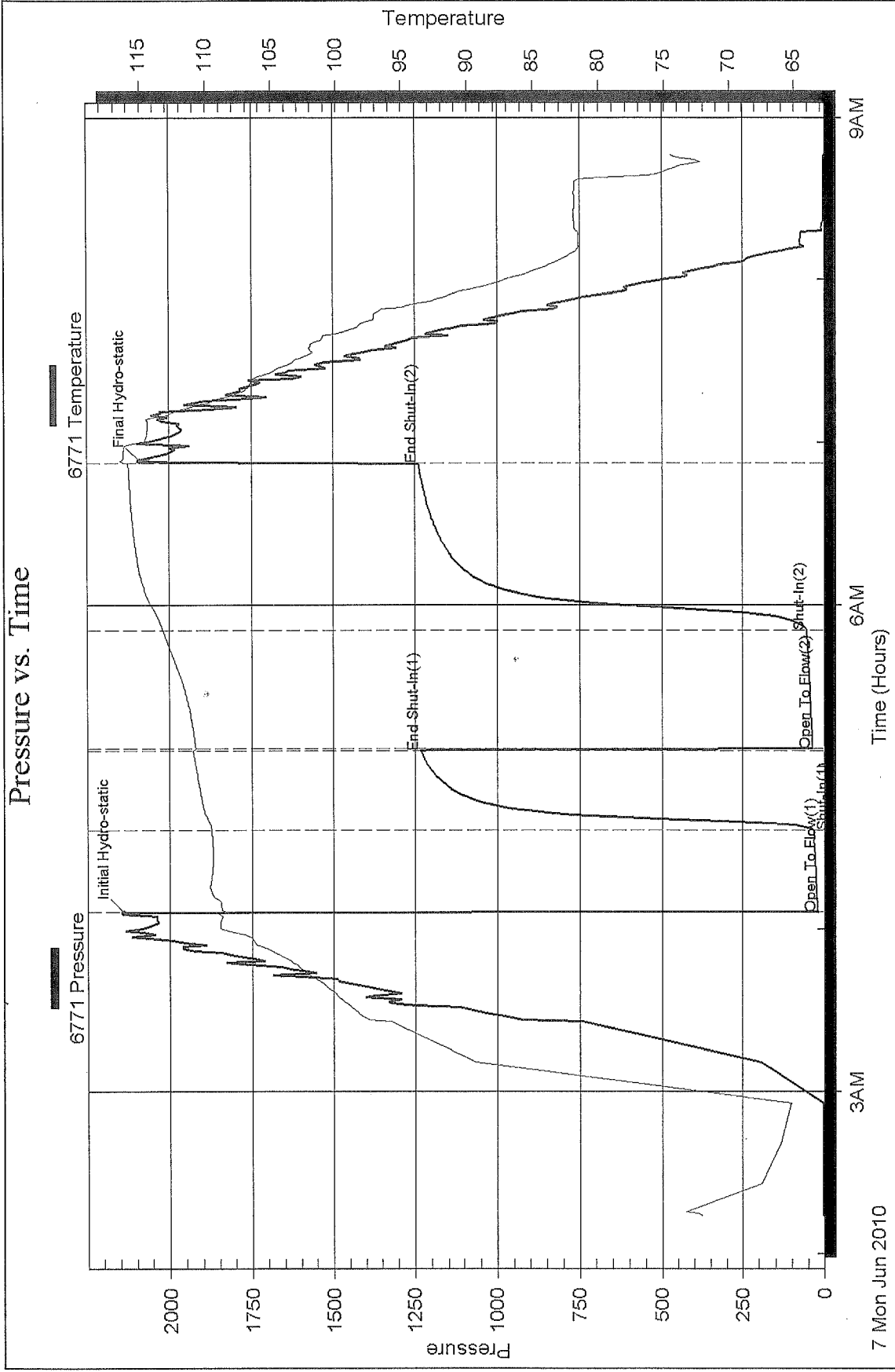
Total Length: 65.00 ft Total Volume: 0.320 bbl

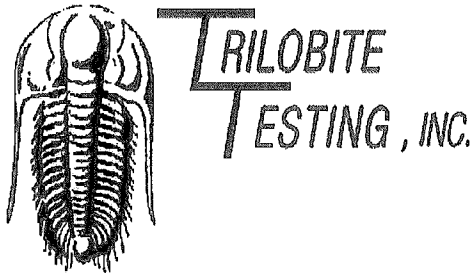
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co Inc**

202 W Main St
Salem, IL 62881

ATTN: Steve Davis

17-13s-31w Gove, Ks

KMB Bros #1-17

Start Date: 2010.06.08 @ 20:36:06

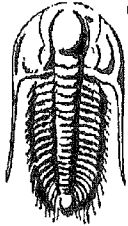
End Date: 2010.06.09 @ 03:30:51

Job Ticket #: 38850 DST #: 6

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Shakespeare Oil Co Inc

KMB Bros #1-17

202 W Main St
Salem, IL 62881

17-13s-31w Gove, Ks

ATTN: Steve Davis

Job Ticket: 38850

DST#: 6

Test Start: 2010.06.08 @ 20:36:06

GENERAL INFORMATION:

Formation: **Myrick St, Ft Scott, C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:18:21

Time Test Ended: 03:30:51

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 40

Interval: **4450.00 ft (KB) To 4530.00 ft (KB) (TVD)**

Reference Elevations: 2944.00 ft (KB)

Total Depth: 4530.00 ft (KB) (TVD)

2934.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 6771 Outside

Press@RunDepth: 79.12 psig @ 4455.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.06.08

End Date: 2010.06.09

Last Calib.: 2010.06.09

Start Time: 20:36:06

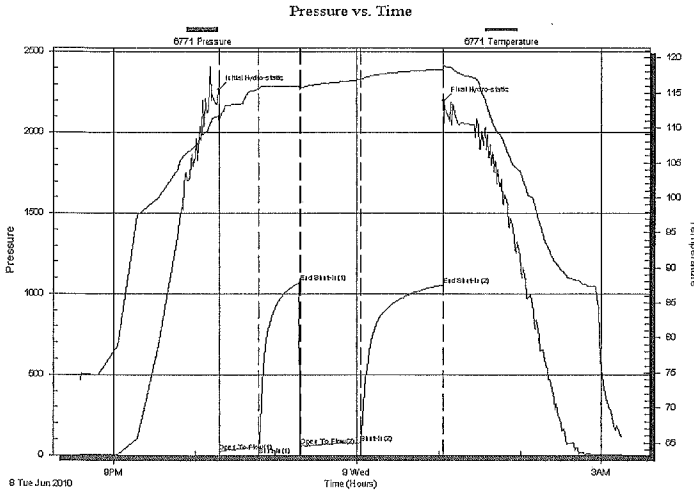
End Time: 03:15:51

Time On Btm: 2010.06.08 @ 22:18:06

Time Off Btm: 2010.06.09 @ 01:03:21

TEST COMMENT: 1" in blow
No return
1/2" + in blow
No return

PRESSURE SUMMARY



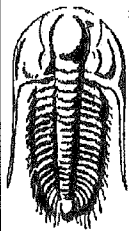
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2269.13	111.90	Initial Hydro-static
1	23.19	110.39	Open To Flow (1)
30	51.82	115.62	Shut-In(1)
60	1070.13	115.90	End Shut-In(1)
61	57.03	115.60	Open To Flow (2)
105	79.12	116.93	Shut-In(2)
165	1056.43	118.34	End Shut-In(2)
166	2197.61	118.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	heavy mud 100% m	0.59

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co Inc

KMB Bros #1-17

202 W Main St
Salem, IL 62881

17-13s-31w Gove, Ks

Job Ticket: 38850

DST#: 6

ATTN: Steve Davis

Test Start: 2010.06.08 @ 20:36:06

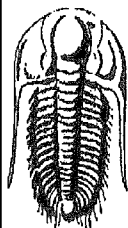
Tool Information

Drill Pipe:	Length: 4316.00 ft	Diameter: 3.80 inches	Volume: 60.54 bbl	Tool Weight: 1500.00 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 61.15 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	4450.00 ft			Final 77000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	84.00 ft			
Tool Length:	107.00 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			4428.00	
Shut In Tool	5.00			4433.00	
Hydraulic tool	5.00			4438.00	
Jars	5.00			4443.00	
Safety Joint	2.00			4445.00	
Packer	5.00			4450.00	23.00 Bottom Of Top Packer
Packer - Shale	4.00			4454.00	
Stubb	1.00			4455.00	
Recorder	0.00	6771	Outside	4455.00	
Recorder	0.00	8368	Inside	4455.00	
Perforations	11.00			4466.00	
Change Over Sub	1.00			4467.00	
Drill Pipe	61.00			4528.00	
Change Over Sub	1.00			4529.00	
Bullnose	5.00			4534.00	84.00 Anchor Tool

Total Tool Length: 107.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co Inc

KMB Bros #1-17

202 W Main St
Salem, IL 62881

17-13s-31w Gove, Ks

Job Ticket: 38850

DST#: 6

ATTN: Steve Davis

Test Start: 2010.06.08 @ 20:36:06

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.55 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	heavy mud 100% _m	0.590

Total Length: 120.00 ft Total Volume: 0.590 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

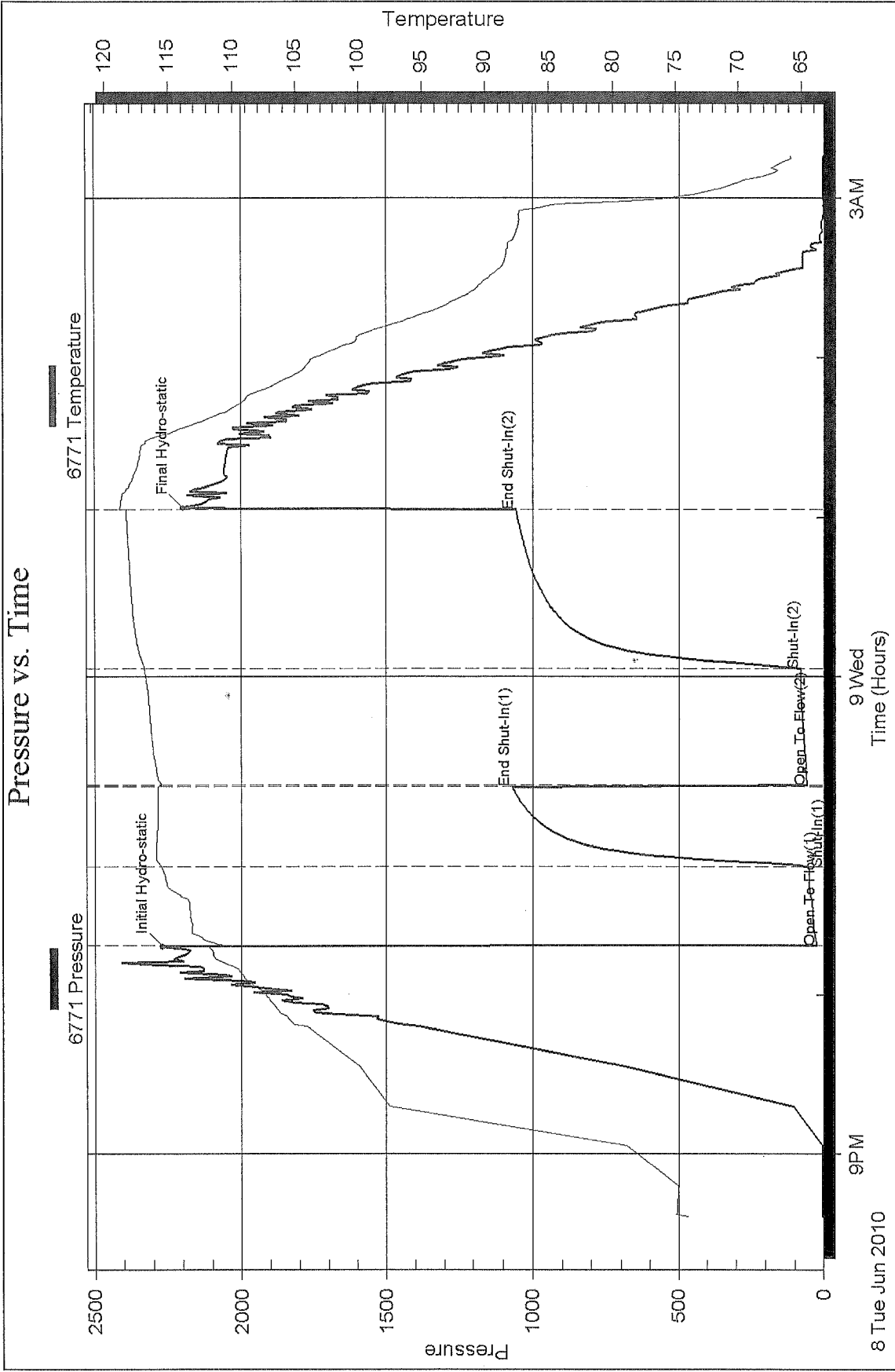
Serial #:

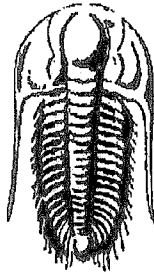
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co Inc**

202 W Main St
Salem, IL 62881

ATTN: Steve Davis

17-13s-31w Gove, Ks

KMB Bros #1-17

Start Date: 2010.06.09 @ 23:30:25

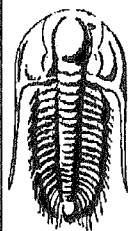
End Date: 2010.06.10 @ 06:25:25

Job Ticket #: 039126 DST #: 7

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Shakespeare Oil Co Inc

KMB Bros #1-17

202 W Main St
Salem, IL 62881

17-13s-31w Gove, Ks

ATTN: Steve Davis

Job Ticket: 039126

DST#: 7

Test Start: 2010.06.09 @ 23:30:25

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:20:25

Time Test Ended: 06:25:25

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 40

Interval: 4524.00 ft (KB) To 4570.00 ft (KB) (TVD)

Reference Elevations: 2944.00 ft (KB)

Total Depth: 4570.00 ft (KB) (TVD)

2934.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 6771 Outside

Press@RunDepth: 30.98 psig @ 4529.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.06.09

End Date: 2010.06.10

Last Calib.: 2010.06.10

Start Time: 23:30:25

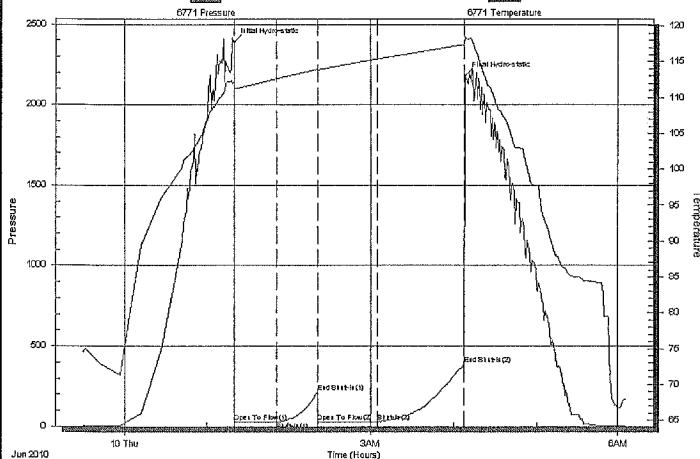
End Time: 06:06:25

Time On Btmr: 2010.06.10 @ 01:20:10

Time Off Btmr: 2010.06.10 @ 04:08:40

TEST COMMENT: 1/4" in blow
No return
Weak surface blow
No return

Pressure vs. Time



PRESSURE SUMMARY

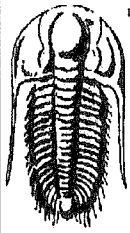
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2388.13	112.13	Initial Hydro-static
1	26.06	111.36	Open To Flow (1)
31	28.00	112.62	Shut-In(1)
62	212.69	113.95	End Shut-In(1)
62	28.05	113.87	Open To Flow (2)
105	30.98	115.38	Shut-In(2)
168	387.13	117.45	End Shut-In(2)
169	2179.43	118.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud 100% m	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co Inc

KMB Bros #1-17

202 W Main St
Salem, IL 62881

17-13s-31w Gove, Ks

ATTN: Steve Davis

Job Ticket: 039126

DST#: 7

Test Start: 2010.06.09 @ 23:30:25

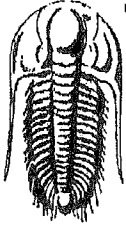
Tool Information

Drill Pipe:	Length: 4381.00 ft	Diameter: 3.80 inches	Volume: 61.45 bbl	Tool Weight: 1500.00 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 62.06 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4524.00 ft			Final 71000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	73.00 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			4502.00	
Shut In Tool	5.00			4507.00	
Hydraulic tool	5.00			4512.00	
*Jars	5.00			4517.00	*
Safety Joint	2.00			4519.00	
Packer	5.00			4524.00	23.00 Bottom Of Top Packer
Packer - Shale	4.00			4528.00	
Stubb	1.00			4529.00	
Recorder	0.00	6771	Outside	4529.00	
Recorder	0.00	8368	Inside	4529.00	
Perforations	7.00			4536.00	
Change Over Sub	1.00			4537.00	
Drill Pipe	31.00			4568.00	
Change Over Sub	1.00			4569.00	
Bullnose	5.00			4574.00	50.00 Anchor Tool

Total Tool Length: 73.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co Inc

KMB Bros #1-17

202 W Main St
Salem, IL 62881

17-13s-31w Gove, Ks

Job Ticket: 039126

DST#: 7

ATTN: Steve Davis

Test Start: 2010.06.09 @ 23:30:25

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
3.00	mud 100% _m	0.015

Total Length: 3.00 ft Total Volume: 0.015 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 6771

Outside Shakespeare Oil Co Inc

17-13s-31w Gove, Ks

DST Test Number: 7

Pressure vs. Time

