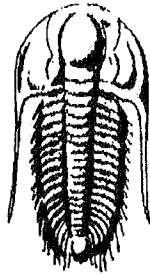


15-13s-32w

15-13S-32W
E2 SE SW



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co Inc**

202 West Main St
Salem IL 62881

ATTN: Rick Hall

15 13S 32W Logan KS

Frey #3-15

Start Date: 2006.08.28 @ 00:15:00

End Date: 2006.08.28 @ 07:32:30

Job Ticket #: 25593

DST #: 1

15-109-20770

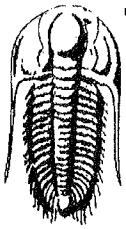
E2 SE SW

720 FSL 3200 FEL

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

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co Inc

202 West Main St
Salem IL 62881

ATTN: Rick Hall

Frey #3-15

15 13S 32W Logan KS

Job Ticket: 25593

DST#: 1

Test Start: 2006.08.28 @ 00:15:00

GENERAL INFORMATION:

Formation: **Lansing C,D,E**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:24:45

Time Test Ended: 07:32:30

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

Interval: **3965.00 ft (KB) To 4042.00 ft (KB) (TVD)**

Total Depth: 4042.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2965.00 ft (KB)

2955.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8017 Inside

Press@RunDepth: 157.74 psig @ 3968.00 ft (KB)

Start Date: 2006.08.28

End Date:

2006.08.28

Start Time: 00:15:01

End Time:

07:32:30

Capacity: 7000.00 psig

Last Calib.: 2006.08.28

Time On Btm: 2006.08.28 @ 02:24:30

Time Off Btm: 2006.08.28 @ 05:29:00

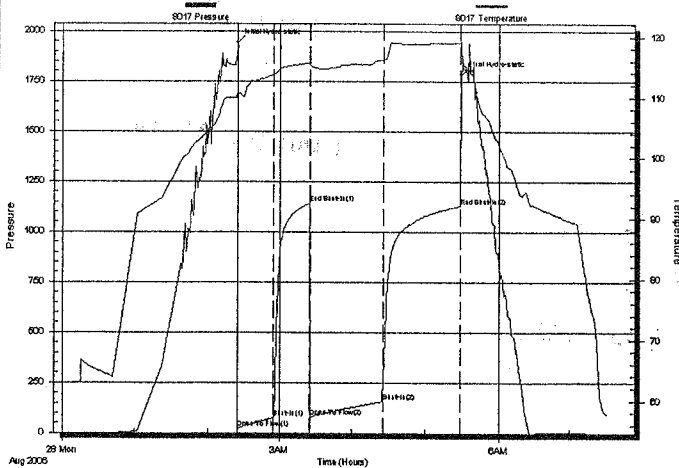
TEST COMMENT: IF Surface blow built to 3 1/4 "

ISI No return

FF Surface blow built to 5 "

FSI No return

Pressure vs. Time



PRESSURE SUMMARY

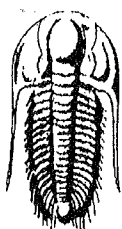
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1942.18	110.80	Initial Hydro-static
1	21.13	110.46	Open To Flow (1)
31	75.25	113.85	Shut-In(1)
61	1142.28	115.67	End Shut-In(1)
61	80.64	115.28	Open To Flow (2)
121	157.74	116.13	Shut-In(2)
185	1128.97	119.00	End Shut-In(2)
185	1784.46	119.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
71.00	MCO 5%M 95%O	0.35
93.00	OCWM 10%O 35%W 55%M	0.46
186.00	MCW 40%M 60%W	0.91

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co Inc

Frey #3-15

202 West Main St
Salem IL 62881

15 13S 32W Logan KS

Job Ticket: 25593

DST#: 1

ATTN: Rick Hall

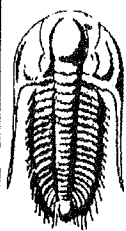
Test Start: 2006.08.28 @ 00:15:00

Tool Information

Drill Pipe:	Length: 3422.00 ft	Diameter: 3.80 inches	Volume: 48.00 bbl	Tool Weight: 1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 530.00 ft	Diameter: 2.25 inches	Volume: 2.61 bbl	Weight to Pull Loose: 92000.00 lb
		Total Volume: 50.61 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	3965.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	77.00 ft			
Tool Length:	105.00 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			3938.00	
Shut In Tool	5.00			3943.00	
Hydraulic tool	5.00			3948.00	
Jars	5.00			3953.00	
Safety Joint	3.00			3956.00	
Packer	5.00			3961.00	28.00 Bottom Of Top Packer
Packer	4.00			3965.00	
Stubb	1.00			3966.00	
Perforations	2.00			3968.00	
Recorder	0.00	8017	Inside	3968.00	
Perforations	4.00			3972.00	
Change Over Sub	1.00			3973.00	
Drill Pipe	63.00			4036.00	
Change Over Sub	1.00			4037.00	
Recorder	0.00	13276	Inside	4037.00	
Bullnose	5.00			4042.00	77.00 Bottom Packers & Anchor
Total Tool Length:		105.00			

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TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co Inc

Frey #3-15

202 West Main St
Salem IL 62881

15 13S 32W Logan KS

Job Ticket: 25593

DST#: 1

ATTN: Rick Hall

Test Start: 2006.08.28 @ 00:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

35000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
71.00	MCO 5%M 95%O	0.349
93.00	OCWM 10%O 35%W 55%M	0.457
186.00	MCW 40%M 60%W	0.915

Total Length: 350.00 ft

Total Volume: 1.721 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW; .240 @ 60 degrees F = 35000.

API; 34 @ 60 degrees F = 34.

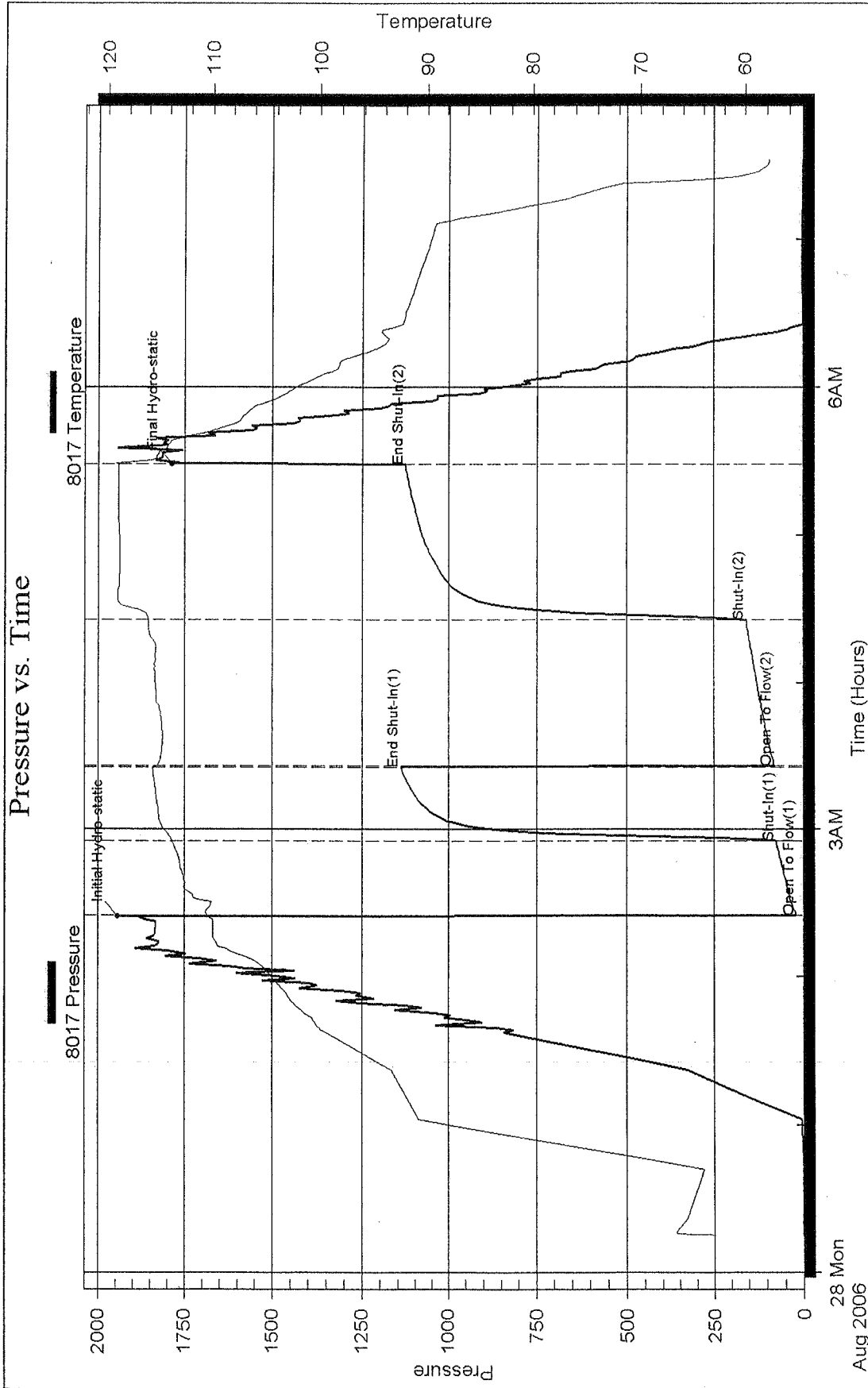
Serial #: 8017

Inside

Shakespeare Oil Co Inc

15 13S 32W Logan KS

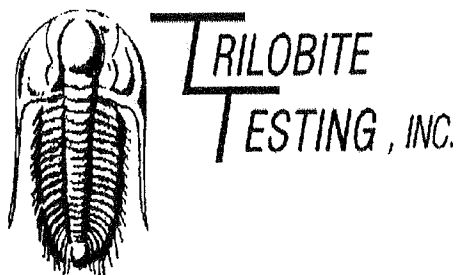
DST Test Number: 1



Printed: 2006.09.05 @ 13:35:28 Page 5

Ref. No: 25593

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DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co Inc**

202 West Main St
Salem IL 62881

ATTN: Rick Hall

15 13S 32W Logan KS

Frey #3-15

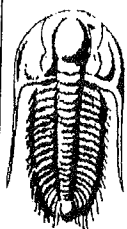
Start Date: 2006.08.28 @ 20:08:01

End Date: 2006.08.29 @ 02:40:45

Job Ticket #: 25595 DST #: 2

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co Inc

202 West Main St
Salem IL 62881

ATTN: Rick Hall

Frey #3-15

15 13S 32W Logan KS

Job Ticket: 25595

DST#: 2

Test Start: 2006.08.28 @ 20:08:01

GENERAL INFORMATION:

Formation: **KC "I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:48:00

Time Test Ended: 02:40:45

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

Interval: **4130.00 ft (KB) To 4161.00 ft (KB) (TVD)**

Total Depth: 4161.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2965.00 ft (KB)

2955.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8017

Inside

Press@RunDepth: 107.54 psig @ 4133.00 ft (KB)

Start Date: 2006.08.28

End Date:

2006.08.29

Start Time: 20:08:01

End Time:

02:40:45

Capacity: 7000.00 psig

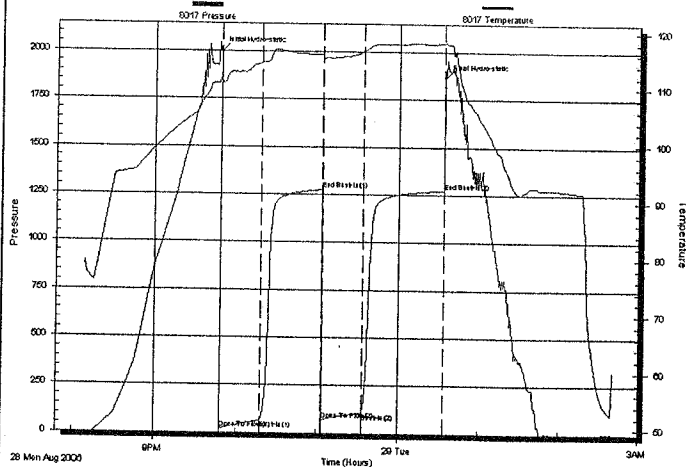
Last Calib.: 2006.08.29

Time On Btm: 2006.08.28 @ 21:47:30

Time Off Btm: 2006.08.29 @ 00:34:00

TEST COMMENT: IF Surface blow built to 9 "
ISI No return
FF Surface blow built to 8 1/2 "
FSI Weak return that died @ 16 min.

Pressure vs. Time



PRESSURE SUMMARY

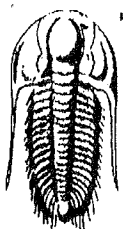
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1999.77	111.96	Initial Hydro-static
1	20.25	111.60	Open To Flow (1)
31	65.25	114.65	Shut-In (1)
76	1274.22	116.05	End Shut-In (1)
77	68.67	115.53	Open To Flow (2)
106	107.54	116.71	Shut-In (2)
166	1271.75	118.03	End Shut-In (2)
167	1864.56	118.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
93.00	GWMCO 35%G 10%W 20%M 35%O	0.46
93.00	GOCM 30%G 30%O 40%M	0.46
45.00	GOCM 10%G 40%O 50%M	0.22

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co Inc

Frey #3-15

202 West Main St
Salem IL 62881

15 13S 32W Logan KS

Job Ticket: 25595

DST#: 2

ATTN: Rick Hall

Test Start: 2006.08.28 @ 20:08:01

Tool Information

Drill Pipe:	Length: 3581.00 ft	Diameter: 3.80 inches	Volume: 50.23 bbl	Tool Weight: 1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 29000.00 lb
Drill Collar:	Length: 530.00 ft	Diameter: 2.25 inches	Volume: 2.61 bbl	Weight to Pull Loose: 94000.00 lb
		Total Volume: 52.84 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 71000.00 lb
Depth to Top Packer:	4130.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	59.00 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			4103.00	
Shut In Tool	5.00			4108.00	
Hydraulic tool	5.00			4113.00	
Jars	5.00			4118.00	
Safety Joint	3.00			4121.00	
Packer	5.00			4126.00	28.00 Bottom Of Top Packer
Packer	4.00			4130.00	
Stubb	1.00			4131.00	
Perforations	2.00			4133.00	
Recorder	0.00	8017	Inside	4133.00	
Perforations	23.00			4156.00	
Recorder	0.00	13276	Inside	4156.00	
Bullnose	5.00			4161.00	31.00 Bottom Packers & Anchor

Total Tool Length: 59.00

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DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co Inc

Frey #3-15

202 West Main St
Salem IL 62881

15 13S 32W Logan KS

Job Ticket: 25595

DST#: 2

ATTN: Rick Hall

Test Start: 2006.08.28 @ 20:08:01

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 40.00 sec/qt

Water Loss: 7.18 in³

Resistivity: 0.00 ohm.m

Salinity: 3100.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

0 deg API

0 ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
93.00	GWMCO 35%G 10%W 20%M 35%O	0.457
93.00	GOCM 30%G 30%O 40%M	0.457
45.00	GOCM 10%G 40%O 50%M	0.221

Total Length: 231.00 ft

Total Volume: 1.135 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

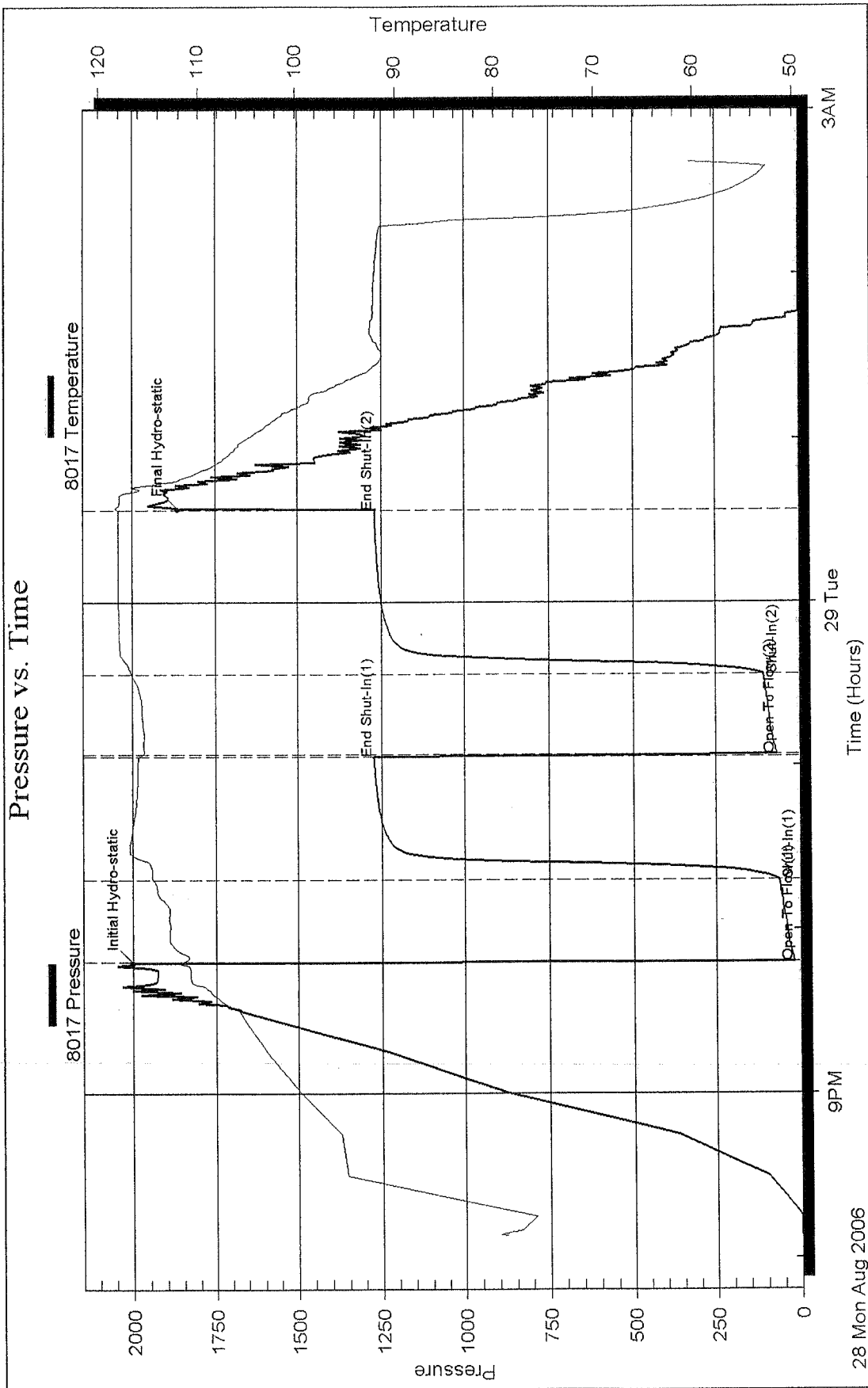
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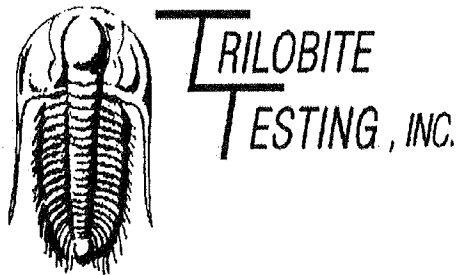
Laboratory Name:

Laboratory Location:

Recovery Comments: 415 feet of gas in pipe.

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co Inc**

202 West Main St
Salem IL 62881

ATTN: Rick Hall

15 13S 32W Logan KS

Frey #3-15

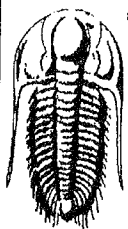
Start Date: 2006.08.29 @ 11:40:01

End Date: 2006.08.29 @ 18:04:45

Job Ticket #: 25596 DST #: 3

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TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co Inc

202 West Main St
Salem IL 62881

ATTN: Rick Hall

Frey #3-15

15 13S 32W Logan KS

Job Ticket: 25596

DST#: 3

Test Start: 2006.08.29 @ 11:40:01

GENERAL INFORMATION:

Formation: **KC "J,K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:24:00

Time Test Ended: 18:04:45

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

Interval: **4164.00 ft (KB) To 4210.00 ft (KB) (TVD)**

Total Depth: 4210.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2965.00 ft (KB)

2955.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8017

Inside

Press@RunDepth: 111.52 psig @ 4167.00 ft (KB)

Start Date: 2006.08.29

End Date: 2006.08.29

Start Time: 11:40:01

End Time: 18:04:45

Capacity: 7000.00 psig

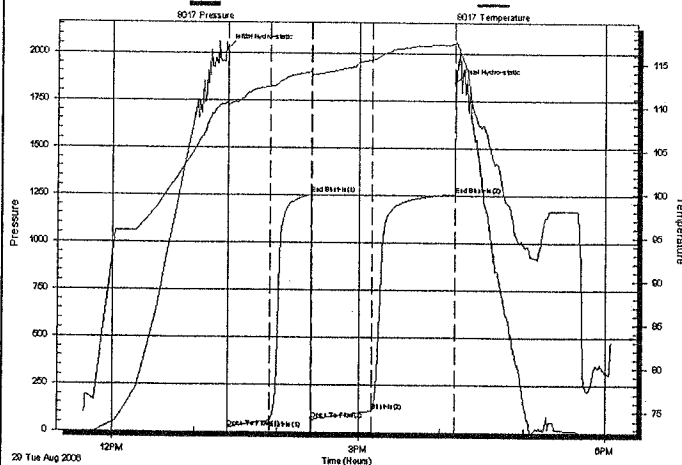
Last Calib.: 2006.08.29

Time On Btm: 2006.08.29 @ 13:23:30

Time Off Btm: 2006.08.29 @ 16:11:15

TEST COMMENT: IF Surface blow built to 5 1/2 "
ISI No return
FF Surface blow built to 8 1/4 "
FSI Weak return died @ 15 min.

Pressure vs. Time



PRESSURE SUMMARY

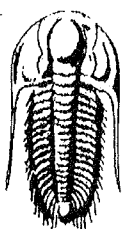
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2023.81	110.71	Initial Hydro-static
1	20.92	110.34	Open To Flow (1)
31	59.76	112.36	Shut-In(1)
61	1251.63	114.09	End Shut-In(1)
62	65.76	113.76	Open To Flow (2)
107	111.52	115.46	Shut-In(2)
168	1256.55	117.30	End Shut-In(2)
168	1844.25	117.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	GMCO 40%G 30%M 30%O	0.91
45.00	GOCM 10%G 35%O 55%M	0.22

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co Inc

Frey #3-15

202 West Main St
Salem IL 62881

15 13S 32W Logan KS

Job Ticket: 25596

DST#: 3

ATTN: Rick Hall

Test Start: 2006.08.29 @ 11:40:01

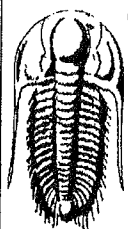
Tool Information

Drill Pipe:	Length: 3613.00 ft	Diameter: 3.80 inches	Volume: 50.68 bbl	Tool Weight: 1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 530.00 ft	Diameter: 2.25 inches	Volume: 2.61 bbl	Weight to Pull Loose: 82000.00 lb
		Total Volume: 53.29 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4164.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	46.00 ft			
Tool Length:	74.00 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			4137.00	
Shut In Tool	5.00			4142.00	
Hydraulic tool	5.00			4147.00	
Jars	5.00			4152.00	
Safety Joint	3.00			4155.00	
Packer	5.00			4160.00	28.00 Bottom Of Top Packer
Packer	4.00			4164.00	
Stubb	1.00			4165.00	
Perforations	2.00			4167.00	
Recorder	0.00	8017	Inside	4167.00	
Perforations	5.00			4172.00	
Change Over Sub	1.00			4173.00	
Drill Pipe	31.00			4204.00	
Change Over Sub	1.00			4205.00	
Recorder	0.00	13276	Inside	4205.00	
Bullnose	5.00			4210.00	46.00 Bottom Packers & Anchor
Total Tool Length:		74.00			

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TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co Inc

Frey #3-15

202 West Main St
Salem IL 62881

15 13S 32W Logan KS

Job Ticket: 25596

DST#: 3

ATTN: Rick Hall

Test Start: 2006.08.29 @ 11:40:01

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	GMCO 40%G 30%M 30%O	0.915
45.00	GOCM 10%G 35%O 55%M	0.221

Total Length: 231.00 ft

Total Volume: 1.136 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 415 Feet of gas in pipe.

DST Test Number: 3

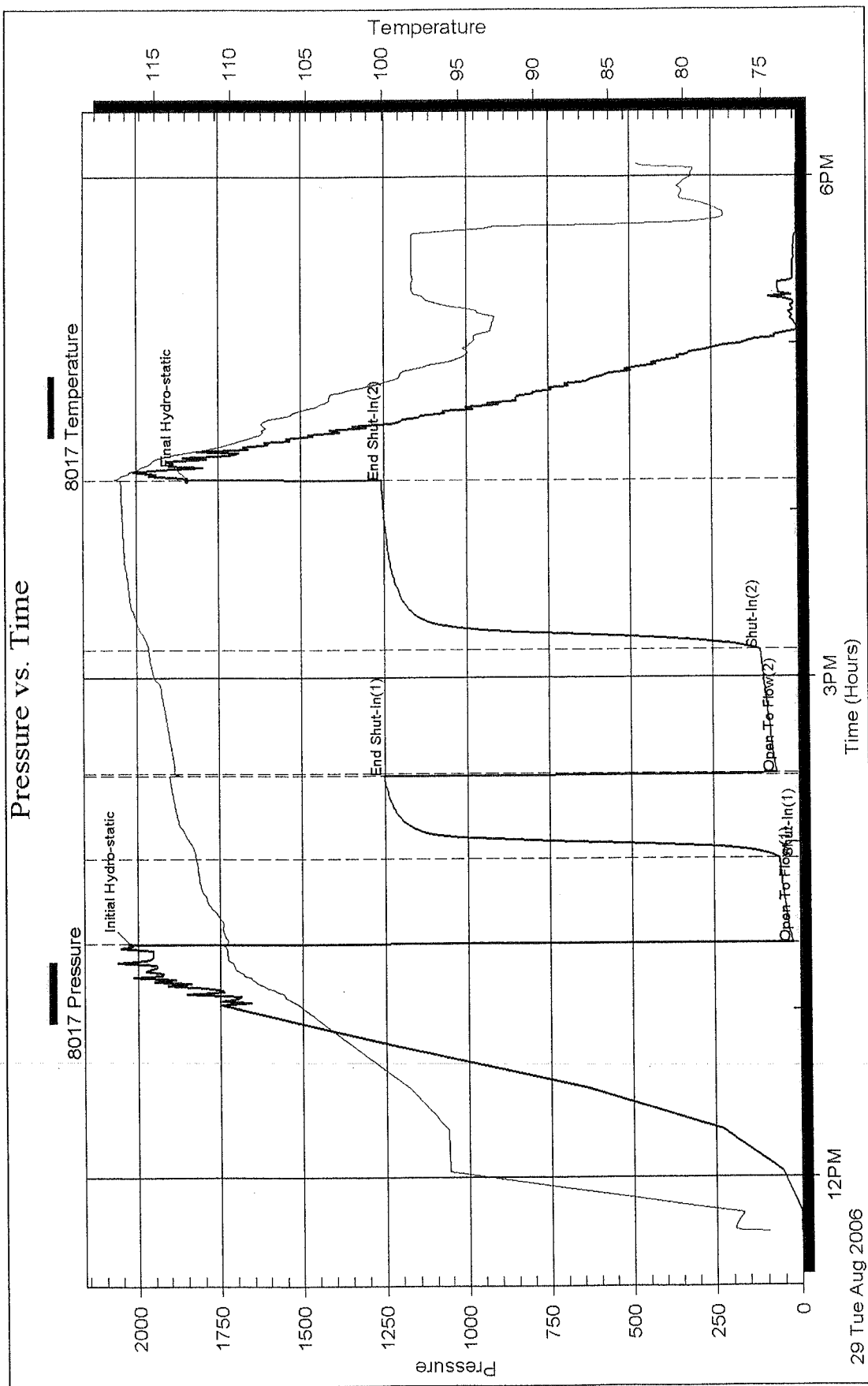
15 13S 32W Logan KS

Shakespeare Oil Co Inc

Inside

Serial #: 8017

Pressure vs. Time



Trilobite Testing, Inc

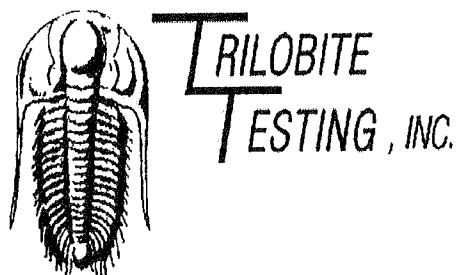
Ref. No: 25596

Printed: 2006.09.05 @ 13:36:17 Page 5

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DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co Inc**

202 West Main St
Salem IL 62881

ATTN: Rick Hall

15 13S 32W Logan KS

Frey #3-15

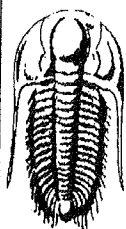
Start Date: 2006.08.30 @ 19:09:00

End Date: 2006.08.31 @ 02:58:30

Job Ticket #: 25597 DST #: 4

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

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co Inc

202 West Main St
Salem IL 62881

ATTN: Rick Hall

Frey #3-15

15 13S 32W Logan KS

Job Ticket: 25597

DST#: 4

Test Start: 2006.08.30 @ 19:09:00

GENERAL INFORMATION:

Formation: **Cherokee/Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:08:45

Time Test Ended: 02:58:30

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

Interval: **4486.00 ft (KB) To 4530.00 ft (KB) (TVD)**

Total Depth: 4530.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2965.00 ft (KB)

2955.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8017

Inside

Press@RunDepth: 432.43 psig @ 4489.00 ft (KB)

Start Date: 2006.08.30

End Date:

2006.08.31

Start Time: 19:09:01

End Time:

02:58:30

Capacity: 7000.00 psig

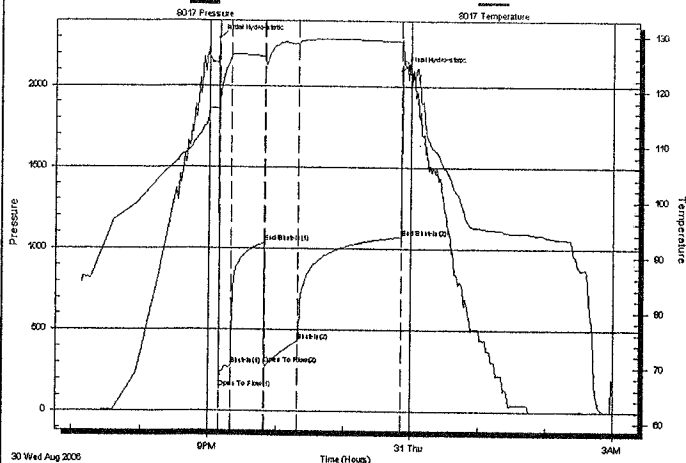
Last Calib.: 2006.08.31

Time On Btm: 2006.08.30 @ 21:08:30

Time Off Btm: 2006.08.30 @ 23:52:15

TEST COMMENT: IF BOB @ 2 1/2 min.
ISI BOB @ 19 min
FF B.O.B. immediately
FSI BOB @ 10 min.

Pressure vs. Time



PRESSURE SUMMARY

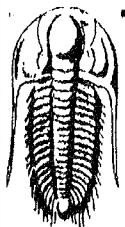
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2288.78	116.61	Initial Hydro-static
1	140.25	116.30	Open To Flow (1)
11	280.69	126.14	Shut-In(1)
41	1036.50	126.35	End Shut-In(1)
41	286.51	125.82	Open To Flow (2)
71	432.43	128.70	Shut-In(2)
163	1073.04	129.05	End Shut-In(2)
164	2096.19	129.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
93.00	GWCM 20%G 30%W 50%M	0.46
372.00	GMCO 15%G 25%M 60%O	1.83
93.00	GMCO 30%G 25%M 45%O	0.71
528.00	FO 100%O	7.41

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co Inc

202 West Main St
Salem IL 62881

ATTN: Rick Hall

Frey #3-15

15 13S 32W Logan KS

Job Ticket: 25597

DST#: 4

Test Start: 2006.08.30 @ 19:09:00

Tool Information

Drill Pipe:	Length: 3959.00 ft	Diameter: 3.80 inches	Volume: 55.53 bbl	Tool Weight:	1800.00 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: 530.00 ft	Diameter: 2.25 inches	Volume: 2.61 bbl	Weight to Pull Loose:	98000.00 lb
		Total Volume:	58.14 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	72000.00 lb
Depth to Top Packer:	4486.00 ft			Final	74000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	44.00 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			4459.00	
Shut In Tool	5.00			4464.00	
Hydraulic tool	5.00			4469.00	
Jars	5.00			4474.00	
Safety Joint	3.00			4477.00	
Packer	5.00			4482.00	28.00 Bottom Of Top Packer
Packer	4.00			4486.00	
Stubb	1.00			4487.00	
Perforations	2.00			4489.00	
Recorder	0.00	8017	Inside	4489.00	
Perforations	3.00			4492.00	
Change Over Sub	1.00			4493.00	
Drill Pipe	31.00			4524.00	
Change Over Sub	1.00			4525.00	
Recorder	0.00	13276	Inside	4525.00	
Bullnose	5.00			4530.00	44.00 Bottom Packers & Anchor
Total Tool Length:		72.00			

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co Inc

Frey #3-15

202 West Main St
Salem IL 62881

15 13S 32W Logan KS

Job Ticket: 25597

DST#: 4

ATTN: Rick Hall

Test Start: 2006.08.30 @ 19:09:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 61.00 sec/qt

Water Loss: 7.19 in³

Resistivity: 0.00 ohm.m

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: 29 deg API

Water Salinity: 19000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
93.00	GWCM 20%G 30%W 50%M	0.457
372.00	GMCO 15%G 25%M 60%O	1.829
93.00	GMCO 30%G 25%M 45%O	0.712
528.00	FO 100%O	7.406

Total Length: 1086.00 ft Total Volume: 10.404 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

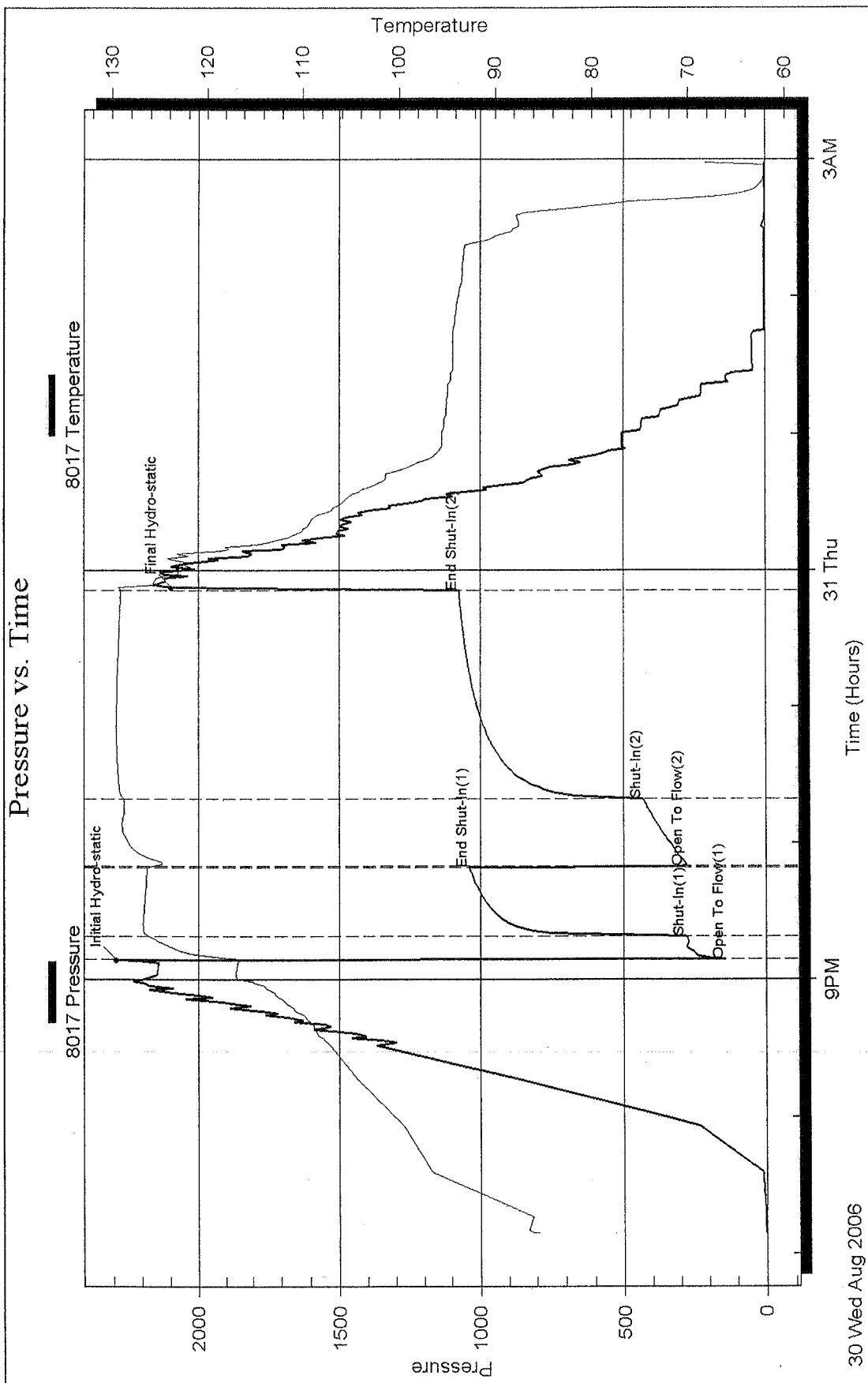
Laboratory Name:

Laboratory Location:

Recovery Comments: RW; .380 @ 67 degrees F = 19000

API; 29 @ 60 degrees F = 29

Pressure vs. Time



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