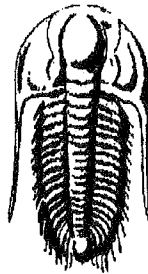


15-109-20805

15-13s-32w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co Inc**

202 West Main St
Salem IL 62884

ATTN: Steve Davis

15 13 32 Logan KS

Frey #4-15

Start Date: 2008.04.25 @ 18:10:05

End Date: 2008.04.26 @ 00:45:29

Job Ticket #: 31877 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Shakespeare Oil Co Inc

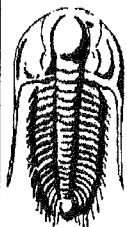
Frey #4-15

15 13 32 Logan KS

DST # 1

H

2008.04.25



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Shakespeare Oil Co Inc

202 West Main St
Salem IL 62881

ATTN: Steve Davis

Frey #4-15

15 13 32 Logan KS

Job Ticket: 31877

DST#: 1

Test Start: 2008.04.25 @ 18:10:05

GENERAL INFORMATION:

Formation: H

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:05:45

Time Test Ended: 00:45:29

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 40

Interval: 4061.00 ft (KB) To 4101.00 ft (KB) (TVD)

Total Depth: 4101.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2929.00 ft (KB)

2924.00 ft (CF)

KB to GRVCF: 5.00 ft

Serial #: 6667

Inside

Press@RunDepth: 111.17 psig @ 4062.00 ft (KB)

Start Date: 2008.04.25

End Date:

2008.04.26

Start Time: 18:10:05

End Time:

00:31:29

Capacity: 7000.00 psig

Last Calib.: 2008.04.26

Time On Btm: 2008.04.25 @ 20:05:00

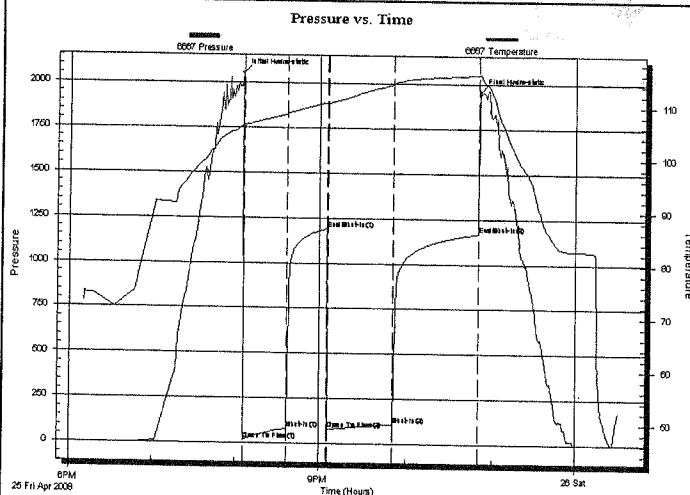
Time Off Btm: 2008.04.25 @ 22:51:15

TEST COMMENT: 1/2 " @ open built to 4 1/4 "

No return

Surface blow in 5 min. built to 4 1/2 "

No return



PRESSURE SUMMARY

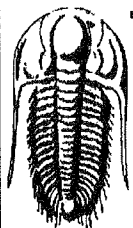
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2052.65	106.32	Initial Hydro-static
1	18.89	105.44	Open To Flow (1)
32	81.74	108.42	Shut-In(1)
61	1190.20	110.65	End Shut-In(1)
61	82.78	110.44	Open To Flow (2)
106	111.17	114.16	Shut-In(2)
165	1166.64	115.97	End Shut-In(2)
167	1958.38	116.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
195.00	MCW 25%M 75%W	1.60

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

Frey #4-15

202 West Main St
Salem IL 62881

15 13 32 Logan KS

Job Ticket: 31877

DST#: 1

ATTN: Steve Davis

Test Start: 2008.04.25 @ 18:10:05

Tool Information

Drill Pipe:	Length:	3914.00 ft	Diameter:	3.80 inches	Volume:	54.90 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:	125.00 ft	Diameter:	2.25 inches	Volume:	0.61 bbl	Weight to Pull Loose:	70000.00 lb	
						Total Volume:	55.51 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft							String Weight: Initial	49000.00 lb
Depth to Top Packer:	4061.00 ft							Final	51000.00 lb
Depth to Bottom Packer:	ft								
Interval between Packers:	40.00 ft								
Tool Length:	67.00 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			4035.00	
Shut In Tool	5.00			4040.00	
Hydraulic tool	5.00			4045.00	
Jars	5.00			4050.00	
Safety Joint	2.00			4052.00	
Packer	5.00			4057.00	27.00 Bottom Of Top Packer
Packer	4.00			4061.00	
Stubb	1.00			4062.00	
Recorder	0.00	6667	Inside	4062.00	
Recorder	0.00	6771	Outside	4062.00	
Perforations	34.00			4096.00	
Bullnose	5.00			4101.00	40.00 Bottom Packers & Anchor

Total Tool Length: 67.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co Inc

Frey #4-15

202 West Main St
Salem IL 62881

15 13 32 Logan KS

Job Ticket: 31877

DST#: 1

ATTN: Steve Davis

Test Start: 2008.04.25 @ 18:10:05

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 46.00 sec/qt

Water Loss: 7.97 in³

Resistivity: 0.00 ohm.m

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

0 deg API

Water Salinity:

62500 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
195.00	MCW 25%M 75%VW	1.597

Total Length: 195.00 ft

Total Volume: 1.597 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .152 @ 52*f = 62500

DST Test Number: 1

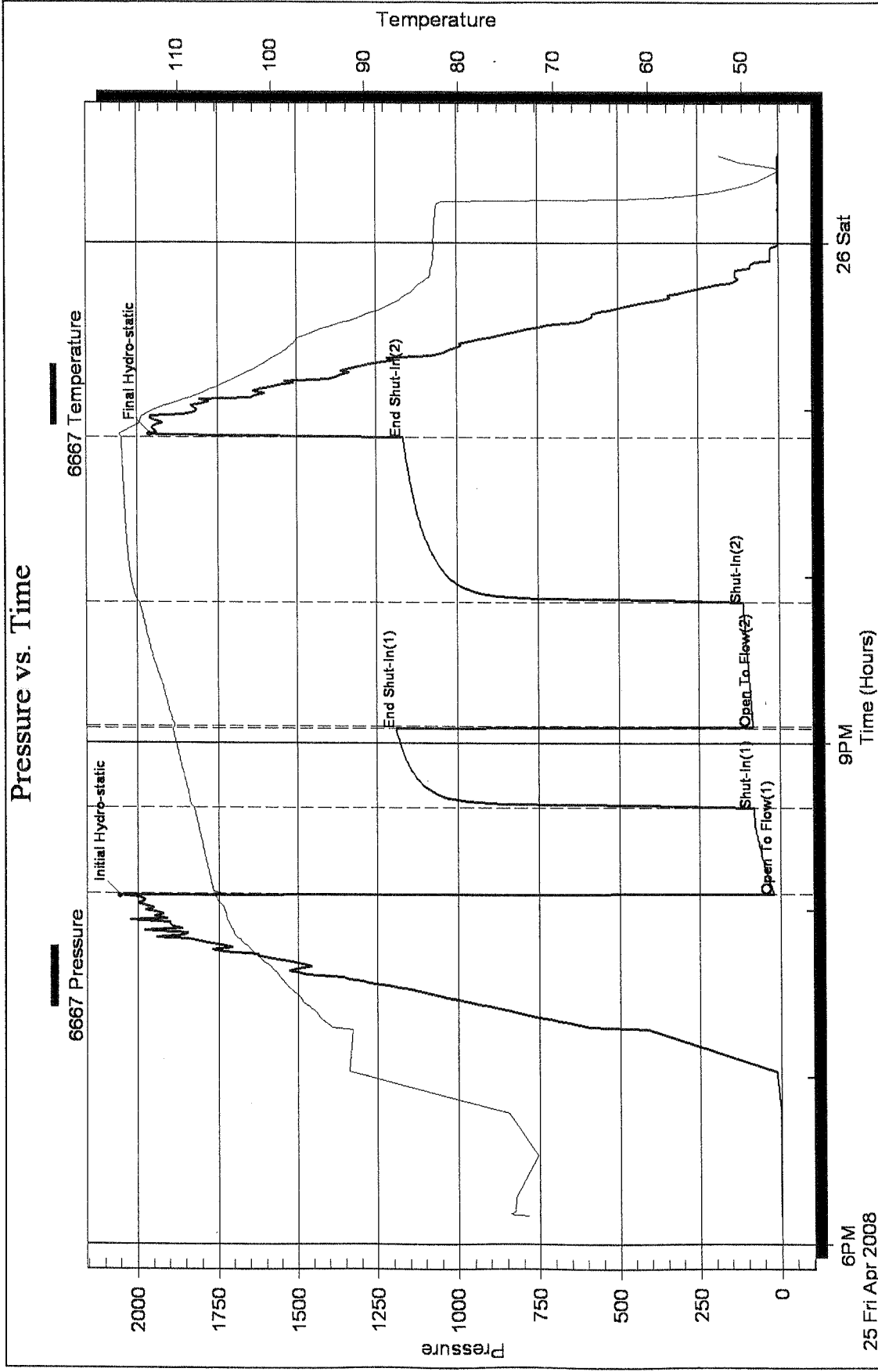
15 13 32 Logan KS

Shakespeare Oil Co Inc

Inside

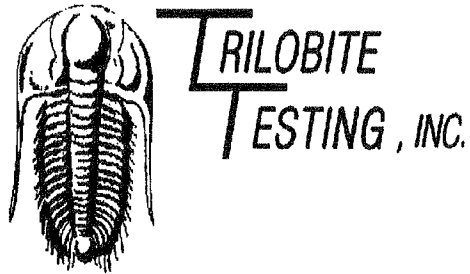
Serial #: 6667

Pressure vs. Time



Ref. No: 31877

Trilobite Testing, Inc



DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co Inc**

202 West Main St
Salem IL 62881

ATTN: Steve Davis

15 13 32 Logan KS

Frey #4-15

Start Date: 2008.04.27 @ 11:43:54

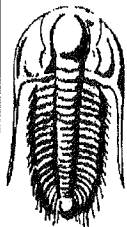
End Date: 2008.04.27 @ 17:20:54

Job Ticket #: 29254 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

202 West Main St
Salem IL 62881

ATTN: Steve Davis

Frey #4-15

15 13 32 Logan KS

Job Ticket: 29254

DST#: 2

Test Start: 2008.04.27 @ 11:43:54

GENERAL INFORMATION:

Formation: **Myrick Station & Ft.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:37:54

Time Test Ended: 17:20:54

Interval: **4386.00 ft (KB) To 4435.00 ft (KB) (TVD)**

Total Depth: 4435.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 36

Reference Elevations: 2929.00 ft (KB)

2924.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8366

Inside

Press@RunDepth: 23.34 psig @ 4387.00 ft (KB)

Start Date: 2008.04.27

End Date:

2008.04.27

Start Time: 11:43:59

End Time:

17:20:53

Capacity: 7000.00 psig

Last Calib.: 2008.04.27

Time On Btm: 2008.04.27 @ 13:37:24

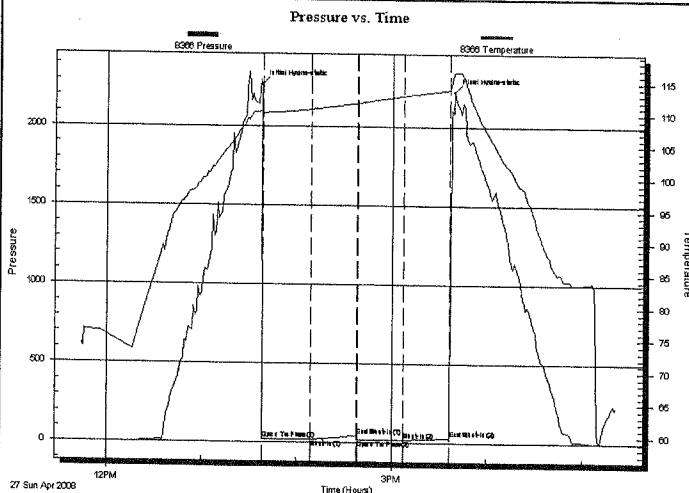
Time Off Btm: 2008.04.27 @ 15:39:24

TEST COMMENT: IF Very weak blow built to 1/4 " dead in 21 min.

ISI No blow back

FF No blow

FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2267.59	110.38	Initial Hydro-static
1	19.19	109.56	Open To Flow (1)
31	20.06	110.75	Shut-In (1)
61	47.17	111.74	End Shut-In (1)
61	21.43	111.75	Open To Flow (2)
90	23.34	112.87	Shut-In (2)
120	33.67	113.85	End Shut-In (2)
122	2223.28	116.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
4.00	DM	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co Inc

Frey #4-15

202 West Main St
Salem IL 62881

15 13 32 Logan KS

Job Ticket: 29254

DST#: 2

ATTN: Steve Davis

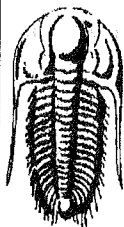
Test Start: 2008.04.27 @ 11:43:54

Tool Information

Drill Pipe:	Length: 4258.00 ft	Diameter: 3.80 inches	Volume: 59.73 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	70000.00 lb
		Total Volume:	60.33 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	4386.00 ft			Final	50000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	47.00 ft				
Tool Length:	75.00 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			4359.00	
Shut In Tool	5.00			4364.00	
Hydraulic tool	5.00			4369.00	
Jars	5.00			4374.00	
Safety Joint	3.00			4377.00	
Packer	5.00			4382.00	28.00 Bottom Of Top Packer
Packer	4.00			4386.00	
Stubb	1.00			4387.00	
Recorder	0.00	8366	Inside	4387.00	
Recorder	0.00	6672	Inside	4387.00	
Perforations	10.00			4397.00	
Blank Spacing	33.00			4430.00	
Bullnose	3.00			4433.00	47.00 Bottom Packers & Anchor

Total Tool Length: 75.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co Inc

Frey #4-15

202 West Main St
Salem IL 62881

15 13 32 Logan KS

Job Ticket: 29254

DST#: 2

ATTN: Steve Davis

Test Start: 2008.04.27 @ 11:43:54

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 9.59 in³

Resistivity: 0.00 ohm.m

Salinity: 2900.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
4.00	DM	0.020

Total Length: 4.00 ft

Total Volume: 0.020 bbl

Num Fluid Samples: 0

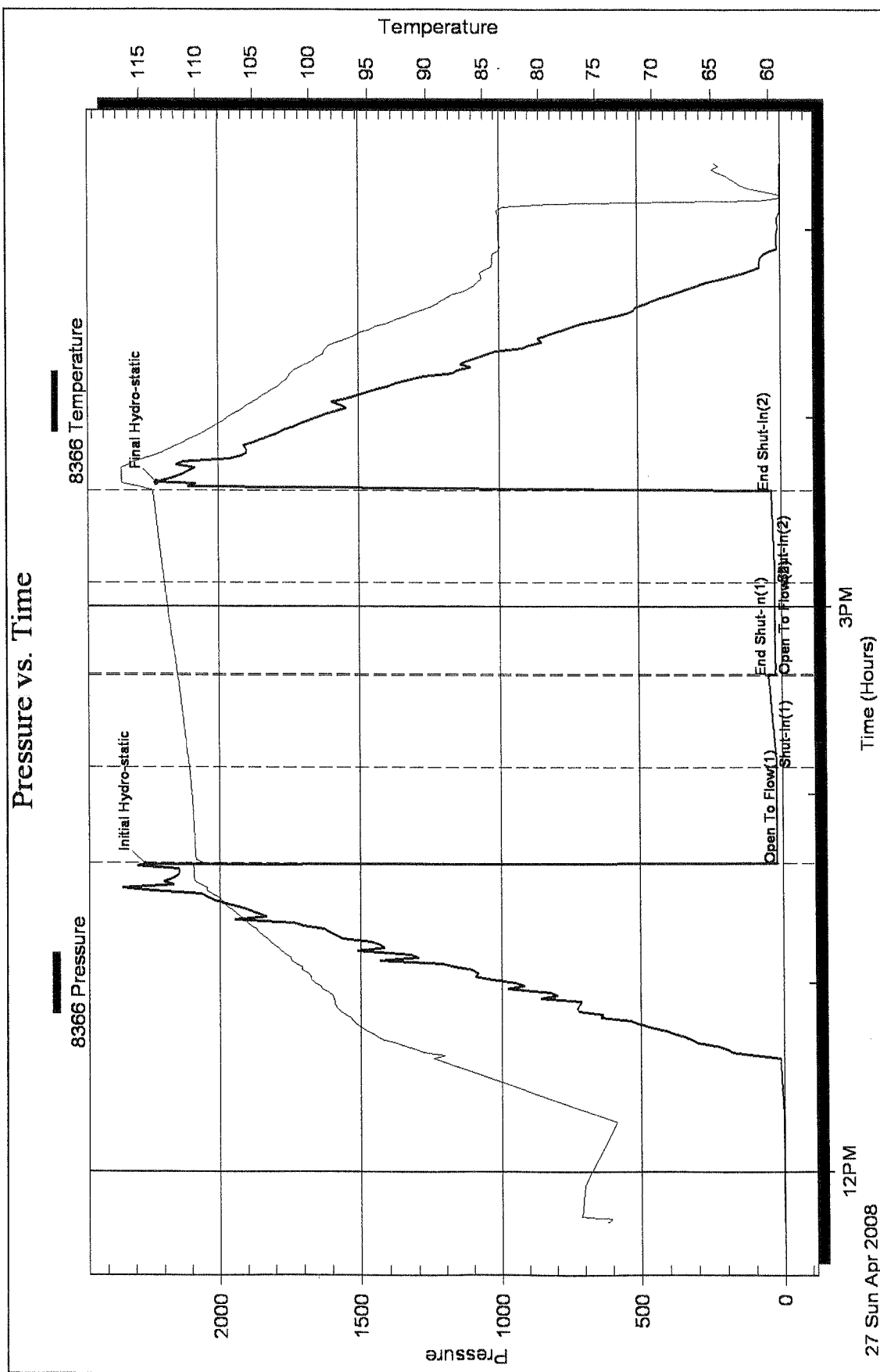
Num Gas Bombs: 0

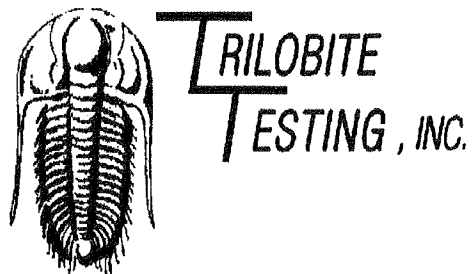
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co Inc**

202 West Main St
Salem IL 62881

ATTN: Steve Davis

15 13 32 Logan KS

Frey #4-15

Start Date: 2008.04.28 @ 05:36:41

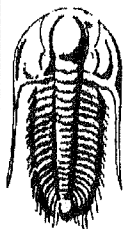
End Date: 2008.04.28 @ 12:14:11

Job Ticket #: 29255 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

202 West Main St
Salem IL 62881

ATTN: Steve Davis

Frey #4-15

15 13 32 Logan KS

Job Ticket: 29255

DST#: 3

Test Start: 2008.04.28 @ 05:36:41

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:36:41

Time Test Ended: 12:14:11

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 36

Interval: 4466.00 ft (KB) To 4508.00 ft (KB) (TVD)

Total Depth: 4508.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2929.00 ft (KB)

2924.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8366

Inside

Press@RunDepth: 97.61 psig @ 4467.00 ft (KB)

Start Date: 2008.04.28

End Date:

2008.04.28

Start Time: 05:36:46

End Time:

12:14:10

Capacity: 7000.00 psig

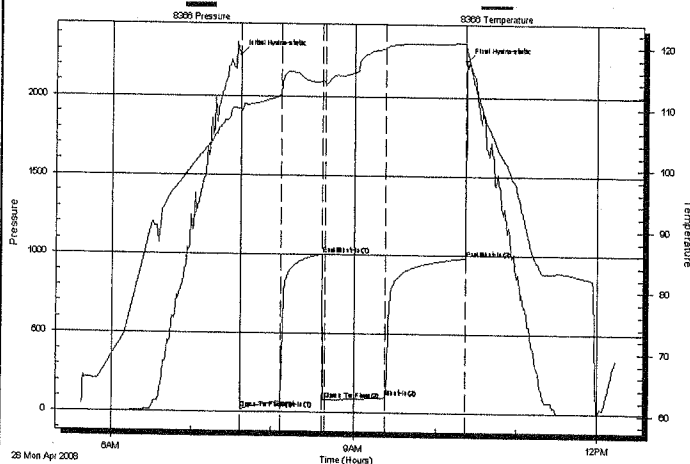
Last Calib.: 2008.04.28

Time On Btm: 2008.04.28 @ 07:36:11

Time Off Btm: 2008.04.28 @ 10:22:41

TEST COMMENT: IF 1/2 " blow @ open, built to 4 "
ISI No blow back
FF Surface blow in 4 min. built to 3 1/2 "
FSI No blow back

Pressure vs. Time



PRESSURE SUMMARY

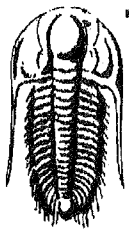
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2265.30	109.80	Initial Hydro-static
1	20.58	109.28	Open To Flow (1)
31	73.57	111.88	Shut-In (1)
61	1001.85	114.30	End Shut-In (1)
63	79.24	113.91	Open To Flow (2)
106	97.61	119.79	Shut-In (2)
166	981.81	120.84	End Shut-In (2)
167	2232.28	119.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
175.00	WM 60%M 40%W	1.33
0.00	RW = .218 OHMS @ 73.6 deg F	0.00
0.00	Chlorides = 32000 ppm	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

Shakespeare Oil Co Inc

Frey #4-15

202 West Main St
Salem IL 62881

15 13 32 Logan KS

Job Ticket: 29255

DST#: 3

ATTN: Steve Davis

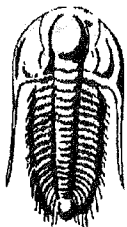
Test Start: 2008.04.28 @ 05:36:41

Tool Information

Drill Pipe:	Length: 4321.00 ft	Diameter: 3.80 inches	Volume: 60.61 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 82000.00 lb
		Total Volume:	61.21 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4466.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	69.00 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			4440.00	
Shut In Tool	5.00			4445.00	
Hydraulic tool	5.00			4450.00	
Jars	5.00			4455.00	
Safety Joint	2.00			4457.00	
Packer	5.00			4462.00	27.00 Bottom Of Top Packer
Packer	4.00			4466.00	
Stubb	1.00			4467.00	
Recorder	0.00	8366	Inside	4467.00	
Recorder	0.00	6672	Inside	4467.00	
Perforations	38.00			4505.00	
Bullnose	3.00			4508.00	42.00 Bottom Packers & Anchor

Total Tool Length: 69.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co Inc

Frey #4-15

202 West Main St
Salem IL 62881

15 13 32 Logan KS

Job Ticket: 29255

DST#: 3

ATTN: Steve Davis

Test Start: 2008.04.28 @ 05:36:41

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 53.00 sec/qt

Water Loss: 8.78 in³

Resistivity: 0.00 ohm.m

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
175.00	WM 60%M 40%W	1.334
0.00	RW = .218 OHMS @ 73.6 deg F	0.000
0.00	Chlorides = 32000 ppm	0.000

Total Length: 175.00 ft

Total Volume: 1.334 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8366

Inside

Shakespeare Oil Co Inc

15 13 32 Logan KS

DST Test Number: 3

