

DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Company, Inc.**

202 W Main St
Salem IL 62881-1519

ATTN: Wes Hanson

Carson #3-25

25-16s-34w Scott,KS

Start Date: 2014.06.07 @ 14:05:00

End Date: 2014.06.07 @ 20:24:15

Job Ticket #: 57017 DST #: 3

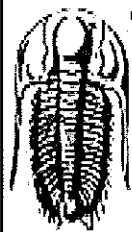
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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Printed: 2014.06.10 @ 08:41:07

Shakespeare Oil Company, Inc. 25-16s-34w Scott,KS Carson #3-25 DST # 3 Johnson 2014.06.07



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Company, Inc.

25-16s-34w Scott, KS

202 W Main St
Salem IL 62881-1519

Carson #3-25

Job Ticket: 57017

DST#: 3

ATTN: Wes Hanson

Test Start: 2014.06.07 @ 14:05:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:31:15

Time Test Ended: 20:24:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 75

Interval: 4640.00 ft (KB) To 4720.00 ft (KB) (TVD)

Total Depth: 4720.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 3114.00 ft (KB)

3104.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8650

Outside

Press@RunDepth: 38.93 psig @ 4654.00 ft (KB)

Start Date: 2014.06.07

End Date:

2014.06.07

Capacity: 8000.00 psig

Last Calib.: 2014.06.07

Start Time: 14:05:15

End Time:

20:24:15

Time On Btm: 2014.06.07 @ 16:31:00

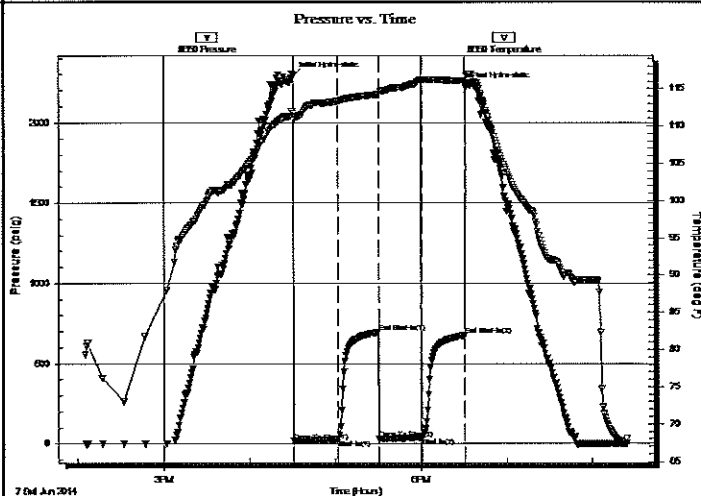
Time Off Btm: 2014.06.07 @ 18:31:15

TEST COMMENT: 30: Weak surface blow to 1".

30: No Return.

30: No Blow.

30: No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2292.47	111.65	Initial Hydro-static
1	17.11	110.82	Open To Flow (1)
31	28.32	113.32	Shut-In(1)
60	694.85	114.21	End Shut-In(1)
60	29.49	114.16	Open To Flow (2)
90	38.93	116.19	Shut-In(2)
120	675.16	116.08	End Shut-In(2)
121	2221.27	116.72	Final Hydro-static

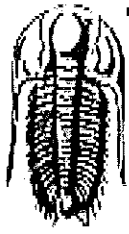
Recovery

Length (ft)	Description	Volume (bbl)
50.00	mud 100% m	0.70

* Recovery from multiple tests

Gas Rates

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



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Shakespeare Oil Company, Inc.
 202 W Main St
 Salem IL 62881-1519
 ATTN: Wes Hanson

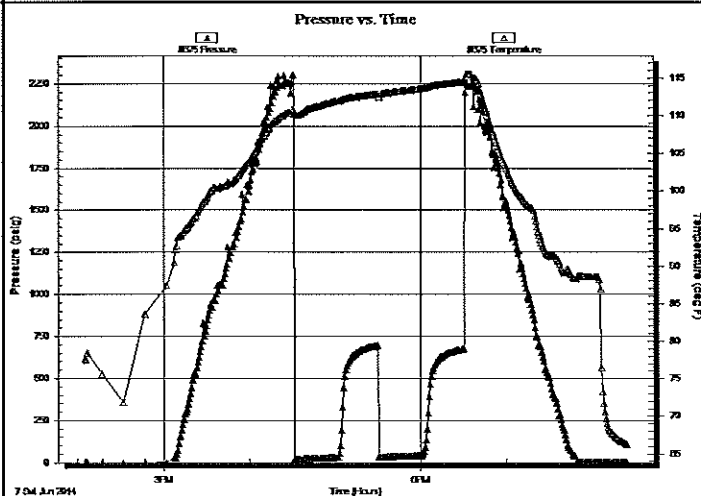
25-16s-34w Scott,KS
Carson #3-25
 Job Ticket: 57017 DST#: 3
 Test Start: 2014.06.07 @ 14:05:00

GENERAL INFORMATION:

Formation:	Johnson	Test Type:	Conventional Bottom Hole (Reset)
Deviated:	No Whipstock: ft (KB)	Tester:	Jace McKinney
Time Tool Opened:	16:31:15	Unit No:	75
Time Test Ended:	20:24:15	Reference Elevations:	3114.00 ft (KB)
Interval:	4640.00 ft (KB) To 4720.00 ft (KB) (TVD)		3104.00 ft (CF)
Total Depth:	4720.00 ft (KB) (TVD)	KB to GR/CF:	10.00 ft
Hole Diameter:	7.88 inchesHole Condition: Poor		

Serial #: 8675	Inside	Capacity:	8000.00 psig
Press@RunDepth:	psig @ 4654.00 ft (KB)	Last Calib.:	2014.06.07
Start Date:	2014.06.07	End Date:	2014.06.07
Start Time:	14:05:15	End Time:	20:24:30
		Time On Btm:	
		Time Off Btm:	

TEST COMMENT: 30: Weak surface blow to 1".
 30: No Return.
 30: No Blow .
 30: No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

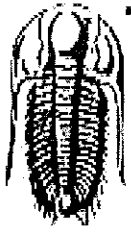
Recovery

Length (ft)	Description	Volume (bbl)
50.00	mud 100% m	0.70

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Company, Inc.

25-16s-34w Scott, KS

202 W Main St
Salem IL 62881-1519

Carson #3-25

Job Ticket: 57017

DST#: 3

ATTN: Wes Hanson

Test Start: 2014.06.07 @ 14:05:00

Tool Information

Drill Pipe:	Length: 4632.50 ft	Diameter: 3.80 inches	Volume: 64.98 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 64.98 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4640.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	80.00 ft			
Tool Length:	107.50 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			4613.50	
Shut In Tool	5.00			4618.50	
Hydraulic tool	5.00			4623.50	
Jars	5.00			4628.50	
Safety Joint	2.50			4631.00	
Packer	5.00			4636.00	27.50 Bottom Of Top Packer
Packer	4.00			4640.00	
Stubb	1.00			4641.00	
Perforations	12.00			4653.00	
Change Over Sub	1.00			4654.00	
Recorder	0.00	8675	Inside	4654.00	
Recorder	0.00	8650	Outside	4654.00	
Drill Pipe	62.00			4716.00	
Change Over Sub	1.00			4717.00	
Bullnose	3.00			4720.00	80.00 Bottom Packers & Anchor

Total Tool Length: 107.50



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FLUID SUMMARY

Shakespeare Oil Company, Inc.

25-16s-34w Scott,KS

202 W Main St
Salem IL 62881-1519

Carson #3-25

Job Ticket: 57017

DST#: 3

ATTN: Wes Hanson

Test Start: 2014.06.07 @ 14:05:00

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: bbl		
Water Loss: 9.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	mud 100%m	0.701

Total Length: 50.00 ft Total Volume: 0.701 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

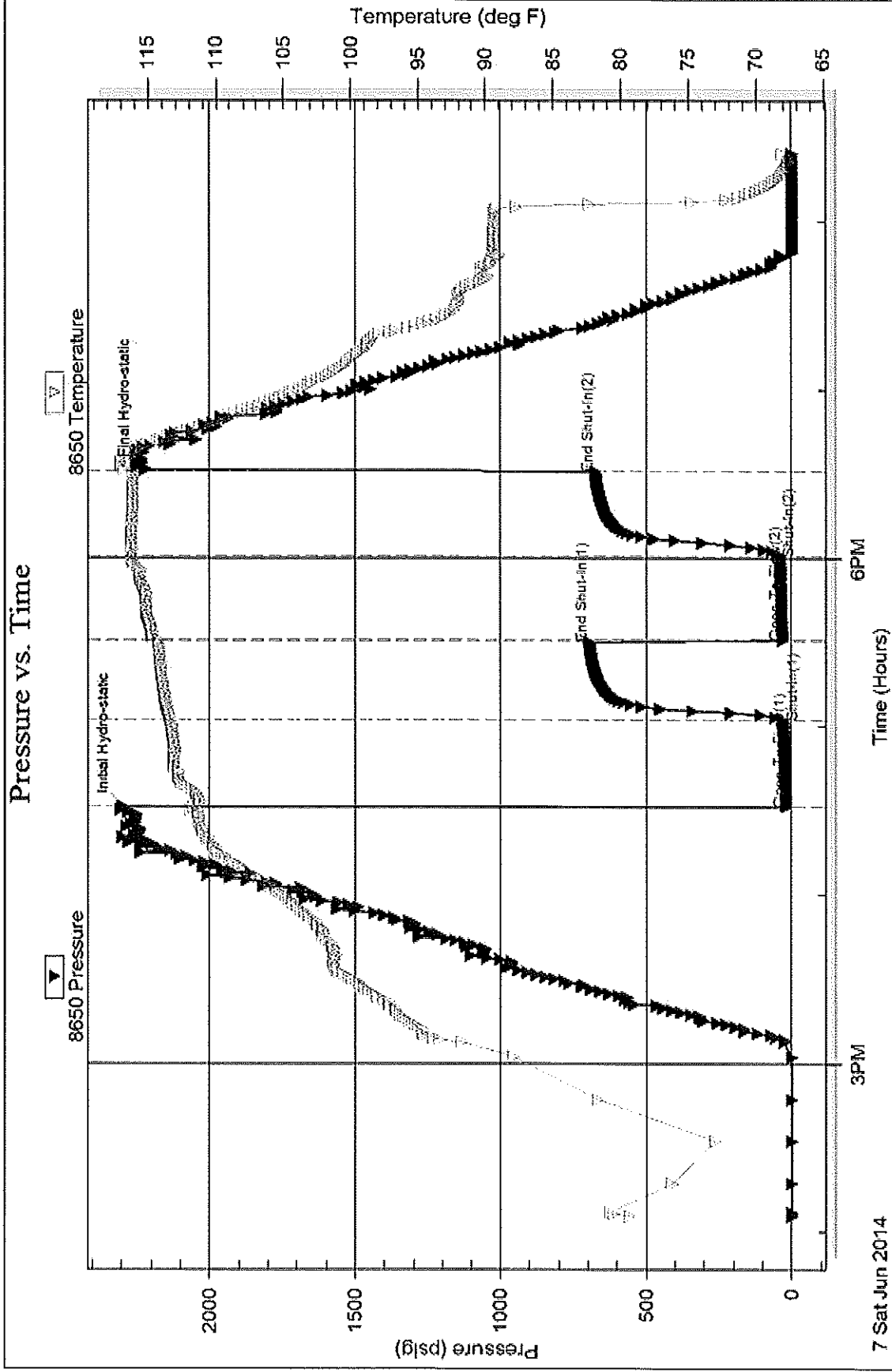
Serial #: 8650

Outside Shakespeare Oil Company, Inc.

Carson #3-25

CST Test Number: 3

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 57017

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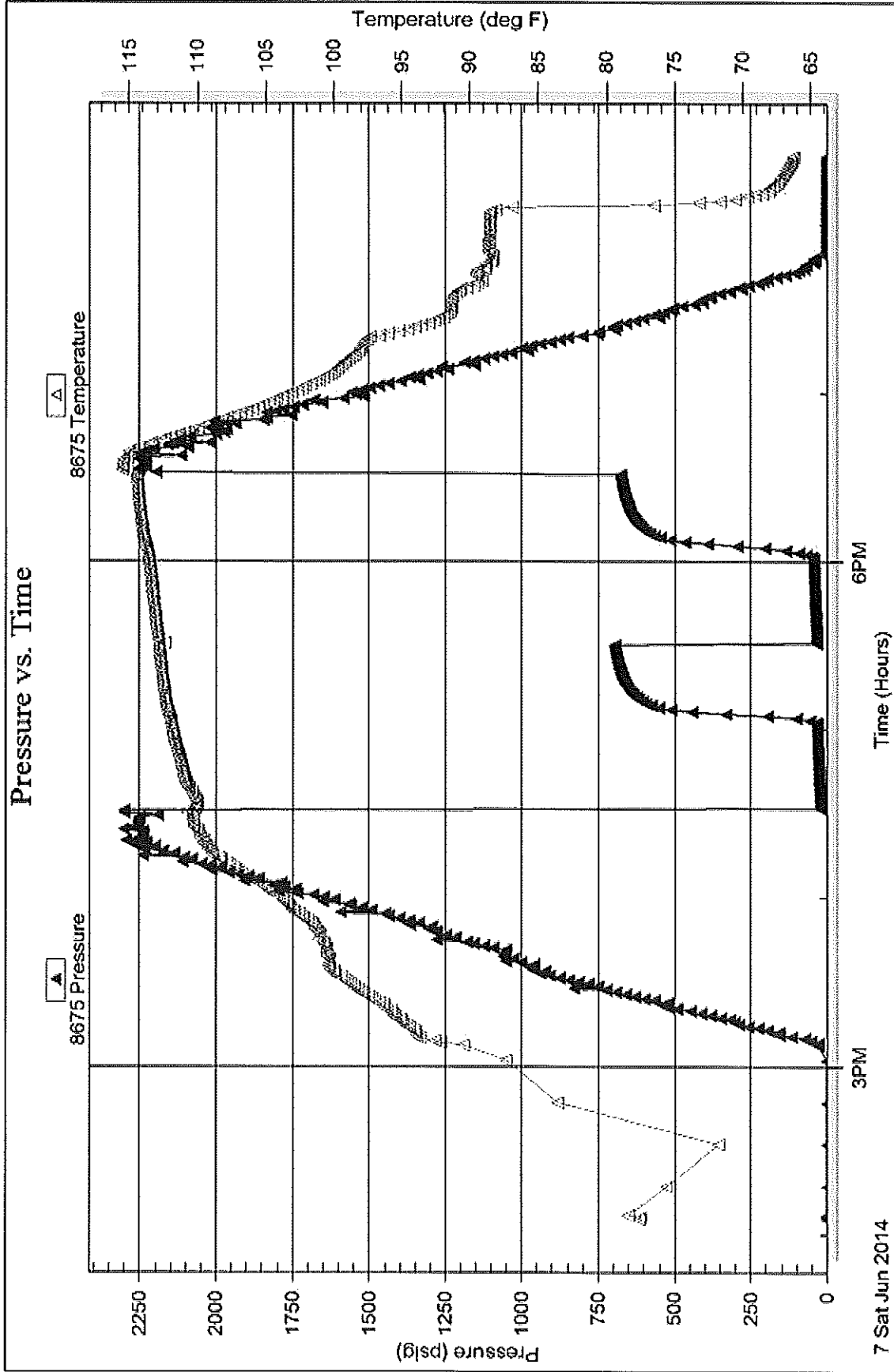
Serial #: 8675

Inside

Shakespeare Oil Company, Inc.

Carson #3-25

CST Test Number: 3



Tribbitt Testing, Inc

Ref. No: 57017

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