



## DRILL STEM TEST REPORT

Prepared For: **Ward Petroleum Corporation**

502 S Fillmore  
Enid OK 73703

ATTN: Larry Nicholson / Ro

### **Finegan #3-13**

#### **13-6s-38w Sherman,KS**

Start Date: 2013.09.13 @ 05:30:00

End Date: 2013.09.13 @ 11:49:30

Job Ticket #: 52967                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.09.16 @ 16:37:43

Ward Petroleum Corporation

13-6s-38w Sherman,KS

Finegan #3-13

DST # 1

Limestone just below

2013.09.13



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Ward Petroleum Corporation

**13-6s-38w Sherman,KS**

502 S Fillmore  
Enid OK 73703

**Finegan #3-13**

Job Ticket: 52967

**DST#: 1**

ATTN: Larry Nicholson / Ro

Test Start: 2013.09.13 @ 05:30:00

## GENERAL INFORMATION:

Formation: **Limestone just below**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:39:00

Time Test Ended: 11:49:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jace McKinney

Unit No: 46

**Interval: 4115.00 ft (KB) To 4135.00 ft (KB) (TVD)**

Reference Elevations: 3360.00 ft (KB)

Total Depth: 4135.00 ft (KB) (TVD)

3349.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

**Serial #: 8650 Outside**

Press @ Run Depth: 31.07 psig @ 4121.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.09.13

End Date: 2013.09.13

Last Calib.: 2013.09.13

Start Time: 05:30:45

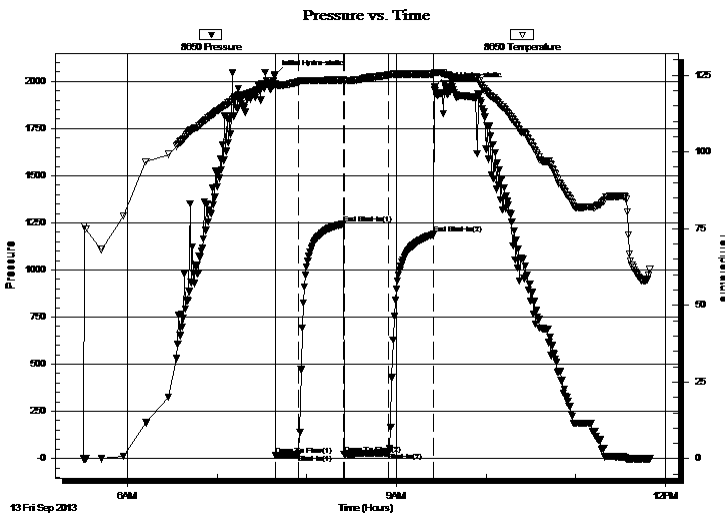
End Time: 11:49:30

Time On Btm: 2013.09.13 @ 07:38:45

Time Off Btm: 2013.09.13 @ 09:25:45

**TEST COMMENT:** Built to 1/4" blow  
No return blow  
No blow  
No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2035.16	122.27	Initial Hydro-static
1	17.18	121.66	Open To Flow (1)
16	21.56	122.75	Shut-In(1)
46	1244.59	123.43	End Shut-In(1)
47	23.14	123.12	Open To Flow (2)
76	31.07	125.00	Shut-In(2)
107	1189.37	125.33	End Shut-In(2)
107	1971.06	125.81	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	100% Mud w ith oil spots in tool	0.10

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Ward Petroleum Corporation

**13-6s-38w Sherman,KS**

502 S Fillmore  
Enid OK 73703

**Finegan #3-13**

Job Ticket: 52967

**DST#: 1**

ATTN: Larry Nicholson / Ro

Test Start: 2013.09.13 @ 05:30:00

## Tool Information

Drill Pipe:	Length: 3750.48 ft	Diameter: 3.80 inches	Volume: 52.61 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: 370.11 ft	Diameter: 2.25 inches	Volume: 1.82 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 54.43 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.09 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4115.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	48.50 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			4092.50	
Shut In Tool	5.00			4097.50	
Hydraulic tool	5.00			4102.50	
Jars	5.00			4107.50	
Safety Joint	2.50			4110.00	
Packer	5.00			4115.00	23.50 Bottom Of Top Packer
Packer - Shale	5.00			4120.00	
Stubb	1.00			4121.00	
Recorder	0.00	8675	Inside	4121.00	
Recorder	0.00	8650	Outside	4121.00	
Perforations	16.00			4137.00	
Change Over Sub	0.00			4137.00	
Drill Pipe	0.00			4137.00	
Change Over Sub	0.00			4137.00	
Bullnose	3.00			4140.00	25.00 Anchor Tool

**Total Tool Length: 48.50**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Ward Petroleum Corporation

**13-6s-38w Sherman,KS**

502 S Fillmore  
Enid OK 73703

**Finegan #3-13**

Job Ticket: 52967

**DST#: 1**

ATTN: Larry Nicholson / Ro

Test Start: 2013.09.13 @ 05:30:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	100% Mud w ith oil spots in tool	0.098

Total Length: 20.00 ft      Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

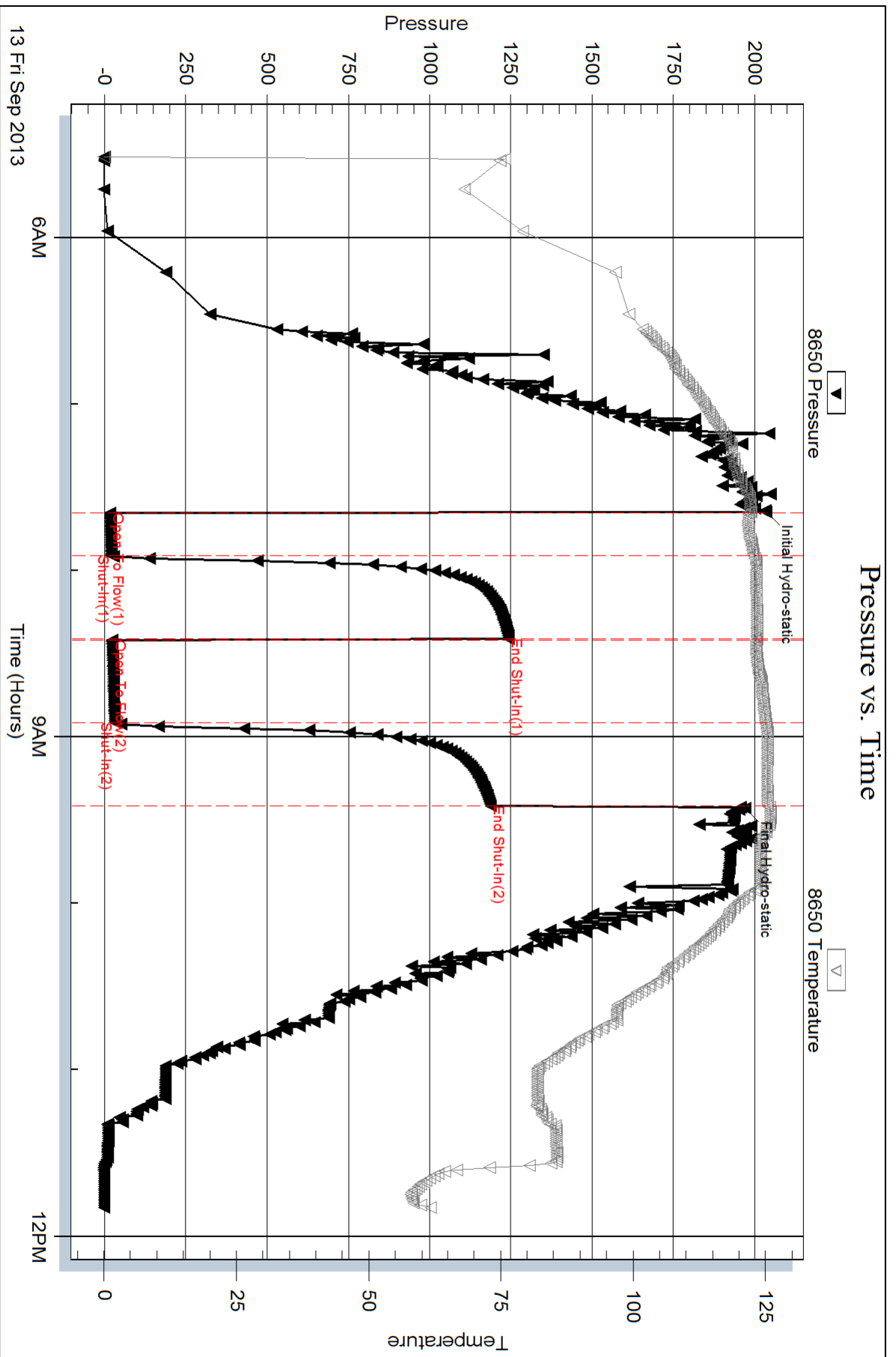
Recovery Comments:

Serial #: 8650

Outside Ward Petroleum Corporation

Firegan #3-13

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Ward Petroleum Corporation**

502 S Fillmore  
Enid OK 73703

ATTN: Larry Nicholson / Ro

### **Finegan #3-13**

#### **13-6s-38w Sherman,KS**

Start Date: 2013.09.14 @ 08:45:00

End Date: 2013.09.14 @ 14:42:30

Job Ticket #: 52968                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.09.16 @ 16:37:20



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Ward Petroleum Corporation

**13-6s-38w Sherman,KS**

502 S Fillmore  
Enid OK 73703

**Finegan #3-13**

Job Ticket: 52968

**DST#: 2**

ATTN: Larry Nicholson / Ro

Test Start: 2013.09.14 @ 08:45:00

## GENERAL INFORMATION:

Formation: **Kansas City " I "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:50:15

Time Test Ended: 14:42:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 46

**Interval: 4336.00 ft (KB) To 4362.00 ft (KB) (TVD)**

Reference Elevations: 3360.00 ft (KB)

Total Depth: 4362.00 ft (KB) (TVD)

3349.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

**Serial #: 8675**

**Inside**

Press @ Run Depth: 21.84 psig @ 4342.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.09.14

End Date:

2013.09.14

Last Calib.:

2013.09.14

Start Time: 08:45:15

End Time:

14:42:30

Time On Btm:

2013.09.14 @ 10:50:00

Time Off Btm:

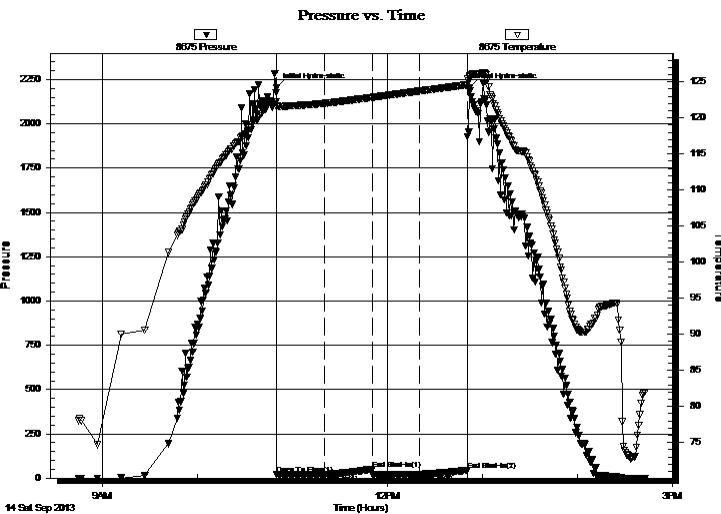
2013.09.14 @ 12:51:45

**TEST COMMENT:** Weak surface blow , died in 20 min

No return blow

No blow

No return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2201.41	122.27	Initial Hydro-static
1	20.40	121.53	Open To Flow (1)
30	22.10	122.00	Shut-In(1)
61	51.89	122.83	End Shut-In(1)
61	21.38	122.81	Open To Flow (2)
90	21.84	123.70	Shut-In(2)
121	44.55	124.56	End Shut-In(2)
122	2201.17	125.63	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	ocm 10%O 90%M	0.02

\* Recovery from multiple tests

## Gas Rates

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



# TRILOBITE TESTING, INC.

## DRILL STEM TEST REPORT

Ward Petroleum Corporation

13-6s-38w Sherman,KS

502 S Fillmore  
Enid OK 73703

**Finegan #3-13**

Job Ticket: 52968

**DST#: 2**

ATTN: Larry Nicholson / Ro

Test Start: 2013.09.14 @ 08:45:00

### GENERAL INFORMATION:

Formation: **Kansas City " I "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:50:15

Time Test Ended: 14:42:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 46

Interval: **4336.00 ft (KB) To 4362.00 ft (KB) (TVD)**

Total Depth: 4362.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3360.00 ft (KB)

3349.00 ft (CF)

KB to GR/CF: 11.00 ft

**Serial #: 8650**

**Outside**

Press @ Run Depth: psig @ 4342.00 ft (KB)

Start Date: 2013.09.14

End Date:

2013.09.14

Capacity: 8000.00 psig

Last Calib.:

2013.09.14

Start Time:

08:45:15

End Time:

14:42:30

Time On Btm:

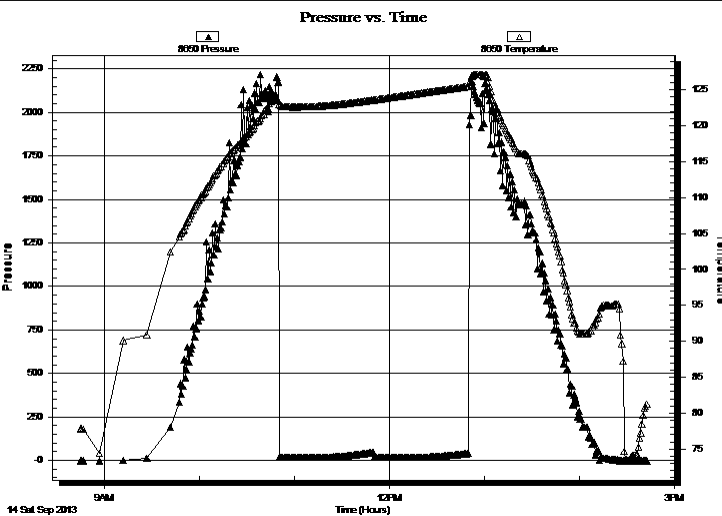
Time Off Btm:

TEST COMMENT: Weak surface blow , died in 20 min

No return blow

No blow

No return blow



### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
5.00	ocm 10%O 90%M	0.02

### Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Ward Petroleum Corporation

**13-6s-38w Sherman,KS**

502 S Fillmore  
Enid OK 73703

**Finegan #3-13**

Job Ticket: 52968

**DST#: 2**

ATTN: Larry Nicholson / Ro

Test Start: 2013.09.14 @ 08:45:00

## Tool Information

Drill Pipe:	Length: 3971.78 ft	Diameter: 3.80 inches	Volume: 55.71 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: 370.11 ft	Diameter: 2.25 inches	Volume: 1.82 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 57.53 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.39 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4336.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	54.50 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			4313.50	
Shut In Tool	5.00			4318.50	
Hydraulic tool	5.00			4323.50	
Jars	5.00			4328.50	
Safety Joint	2.50			4331.00	
Packer	5.00			4336.00	23.50 Bottom Of Top Packer
Packer - Shale	5.00			4341.00	
Stubb	1.00			4342.00	
Recorder	0.00	8675	Inside	4342.00	
Recorder	0.00	8650	Outside	4342.00	
Perforations	22.00			4364.00	
Change Over Sub	0.00			4364.00	
Drill Pipe	0.00			4364.00	
Change Over Sub	0.00			4364.00	
Bullnose	3.00			4367.00	31.00 Anchor Tool

**Total Tool Length: 54.50**



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Ward Petroleum Corporation

**13-6s-38w Sherman,KS**

502 S Fillmore  
Enid OK 73703

**Finegan #3-13**

Job Ticket: 52968

**DST#: 2**

ATTN: Larry Nicholson / Ro

Test Start: 2013.09.14 @ 08:45:00

**Mud and Cushion Information**

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
5.00	ocm 10%O 90%M	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

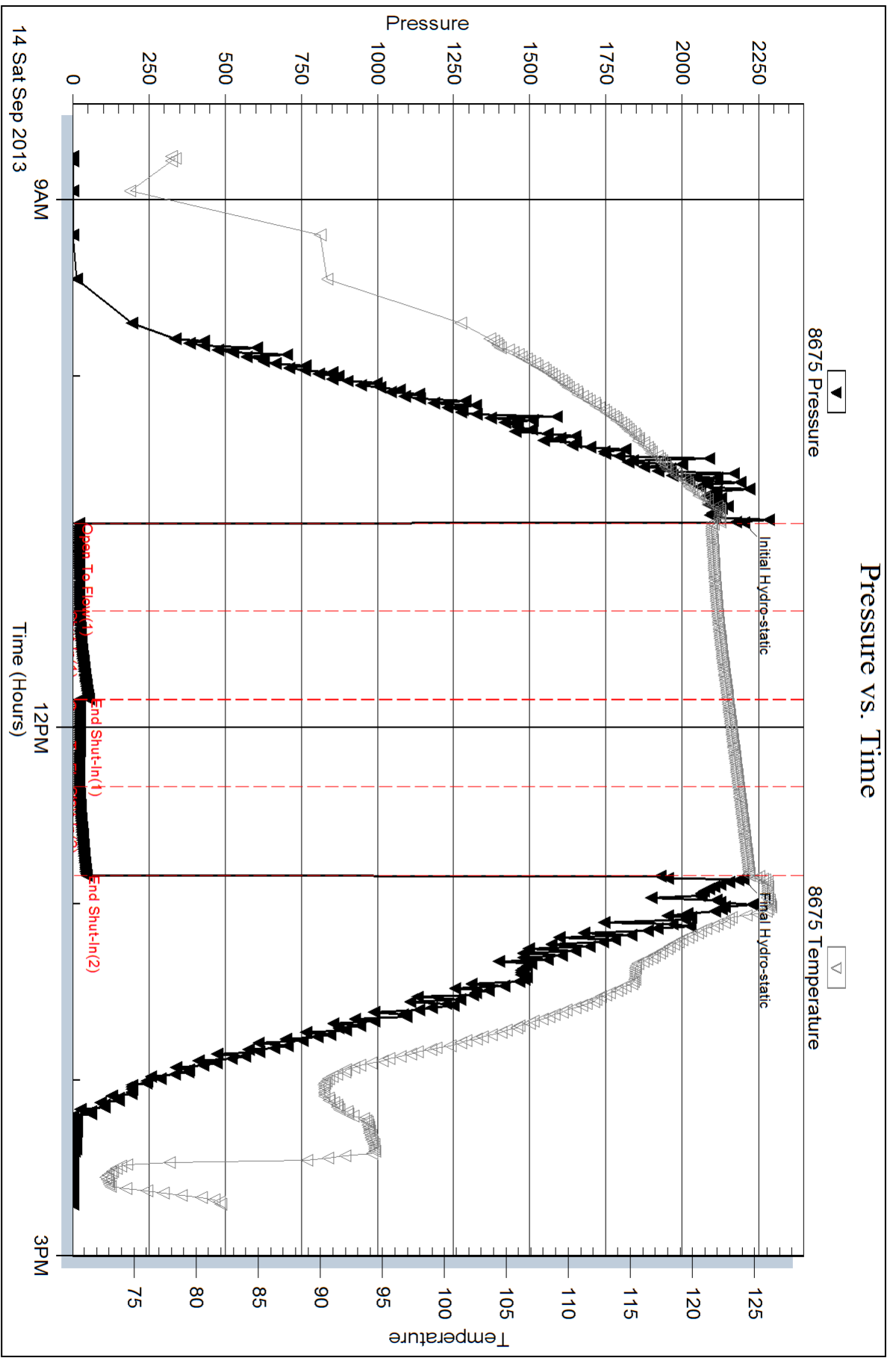
Serial #: 8675

Inside

Ward Petroleum Corporation

Firegan #3-13

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 52968

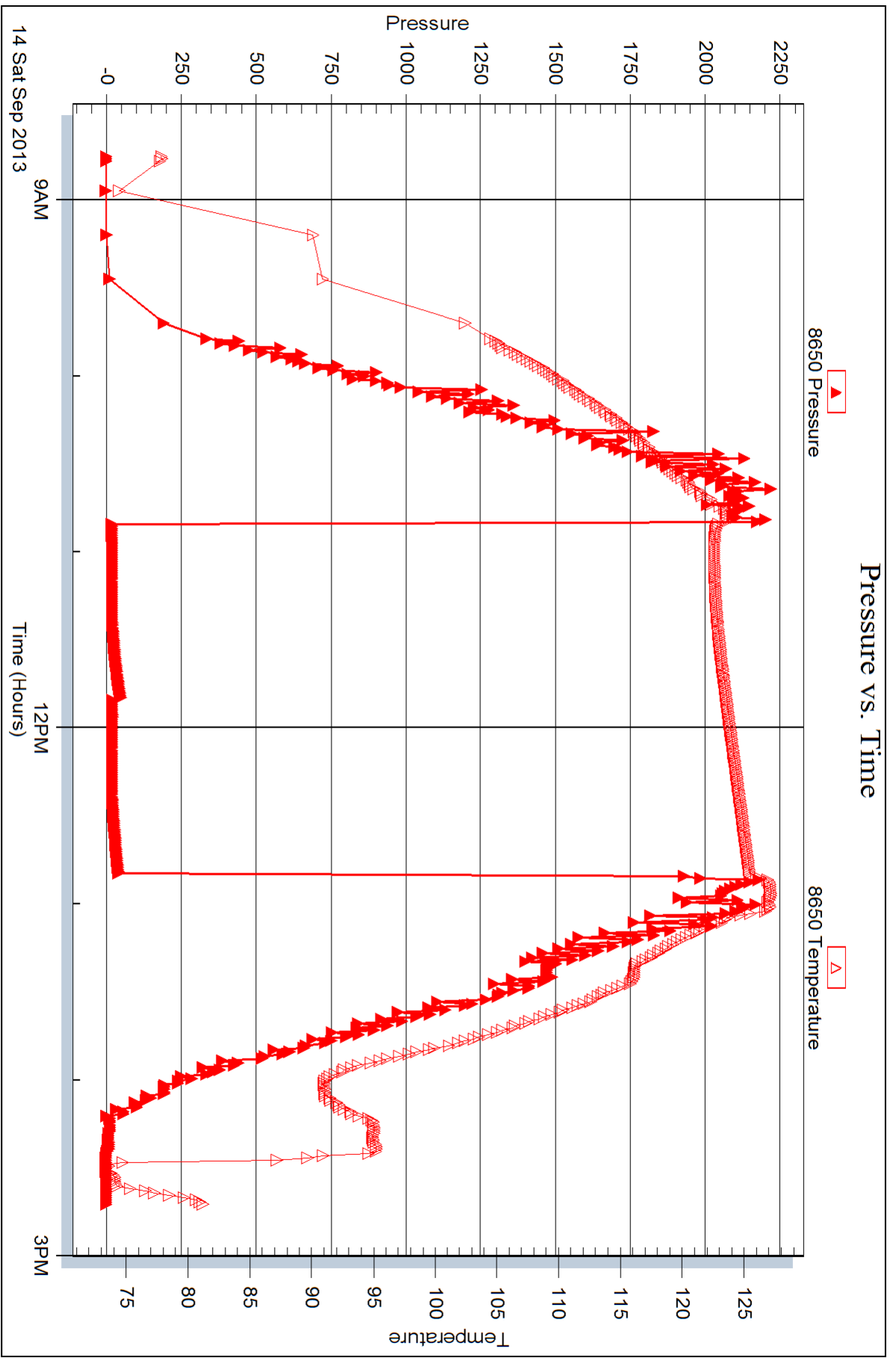
Printed: 2013.09.16 @ 16:37:22

Serial #: 8650

Outside Ward Petroleum Corporation

Firegan #3-13

DST Test Number: 2





## DRILL STEM TEST REPORT

Prepared For: **Ward Petroleum Corporation**

502 S Fillmore  
Enid OK 73703

ATTN: Larry Nicholson / Ro

### **Finegan #3-13**

#### **13-6s-38w Sherman,KS**

Start Date: 2013.09.15 @ 08:00:00

End Date: 2013.09.15 @ 15:32:30

Job Ticket #: 52969                      DST #: 3

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

Printed: 2013.09.16 @ 16:36:46



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Ward Petroleum Corporation

**13-6s-38w Sherman,KS**

502 S Fillmore  
Enid OK 73703

**Finegan #3-13**

Job Ticket: 52969

**DST#: 3**

ATTN: Larry Nicholson / Ro

Test Start: 2013.09.15 @ 08:00:00

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:31:30

Time Test Ended: 15:32:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 46

**Interval: 4521.00 ft (KB) To 4555.00 ft (KB) (TVD)**

Reference Elevations: 3360.00 ft (KB)

Total Depth: 4555.00 ft (KB) (TVD)

3349.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

**Serial #: 8675 Inside**

Press @ Run Depth: 49.20 psig @ 4527.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.09.15 End Date: 2013.09.15

Last Calib.: 2013.09.15

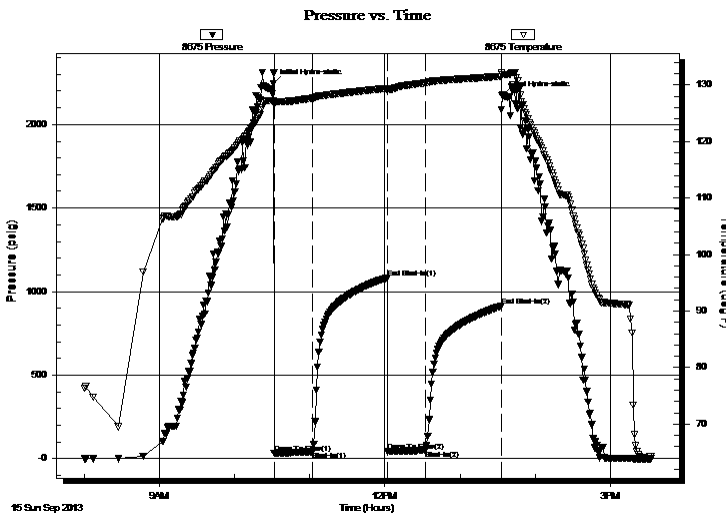
Start Time: 08:00:15 End Time: 15:32:30

Time On Btm: 2013.09.15 @ 10:31:00

Time Off Btm: 2013.09.15 @ 13:33:30

**TEST COMMENT:** Built to 1" blow and stayed  
No return blow  
No blow  
No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2244.93	127.19	Initial Hydro-static
1	31.32	126.45	Open To Flow (1)
32	41.78	127.63	Shut-In(1)
91	1083.00	129.38	End Shut-In(1)
92	43.73	129.00	Open To Flow (2)
122	49.20	130.35	Shut-In(2)
182	913.31	131.51	End Shut-In(2)
183	2172.03	131.81	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	w cm 5%W 95%M with oils spots in too	0.15

## Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Ward Petroleum Corporation

**13-6s-38w Sherman,KS**

502 S Fillmore  
Enid OK 73703

**Finegan #3-13**

Job Ticket: 52969

**DST#: 3**

ATTN: Larry Nicholson / Ro

Test Start: 2013.09.15 @ 08:00:00

## Tool Information

Drill Pipe:	Length: 4160.79 ft	Diameter: 3.80 inches	Volume: 58.36 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: 370.11 ft	Diameter: 2.25 inches	Volume: 1.82 bbl	Weight to Pull Loose:	90000.00 lb
			<u>Total Volume: 60.18 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	33.40 ft			String Weight: Initial	70000.00 lb
Depth to Top Packer:	4521.00 ft			Final	70000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	39.00 ft				
Tool Length:	62.50 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			4498.50	
Shut In Tool	5.00			4503.50	
Hydraulic tool	5.00			4508.50	
Jars	5.00			4513.50	
Safety Joint	2.50			4516.00	
Packer	5.00			4521.00	23.50 Bottom Of Top Packer
Packer - Shale	5.00			4526.00	
Stubb	1.00			4527.00	
Recorder	0.00	8675	Inside	4527.00	
Recorder	0.00	8650	Outside	4527.00	
Perforations	30.00			4557.00	
Change Over Sub	0.00			4557.00	
Drill Pipe	0.00			4557.00	
Change Over Sub	0.00			4557.00	
Bullnose	3.00			4560.00	39.00 Anchor Tool

**Total Tool Length: 62.50**





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Ward Petroleum Corporation

**13-6s-38w Sherman,KS**

502 S Fillmore  
Enid OK 73703

**Finegan #3-13**

Job Ticket: 52969

**DST#: 3**

ATTN: Larry Nicholson / Ro

Test Start: 2013.09.15 @ 08:00:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	w cm 5%W 95%M with oils spots in tool	0.148

Total Length: 30.00 ft      Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8675

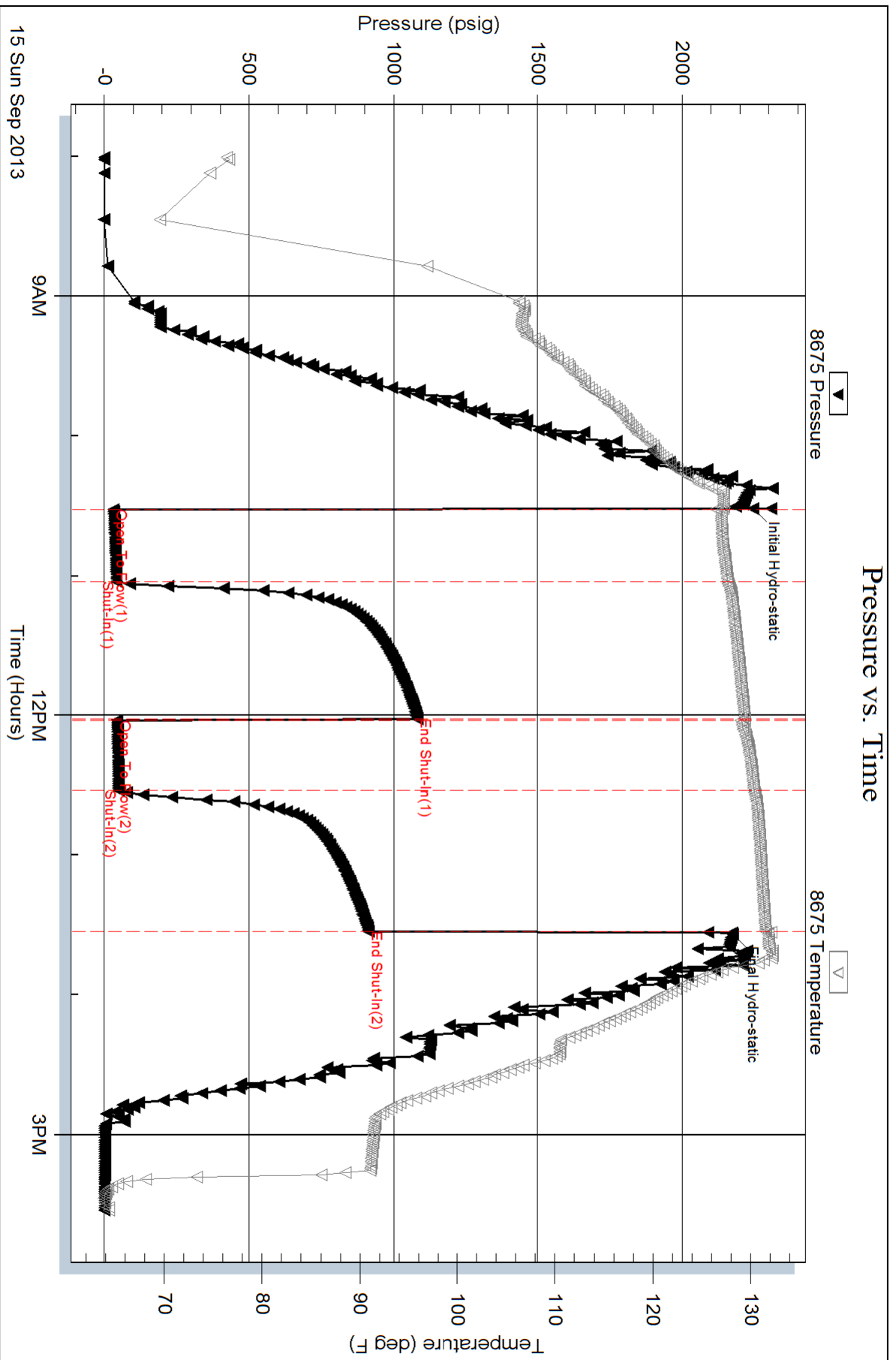
Inside

Ward Petroleum Corporation

Firegan #3-13

DST Test Number: 3

### Pressure vs. Time

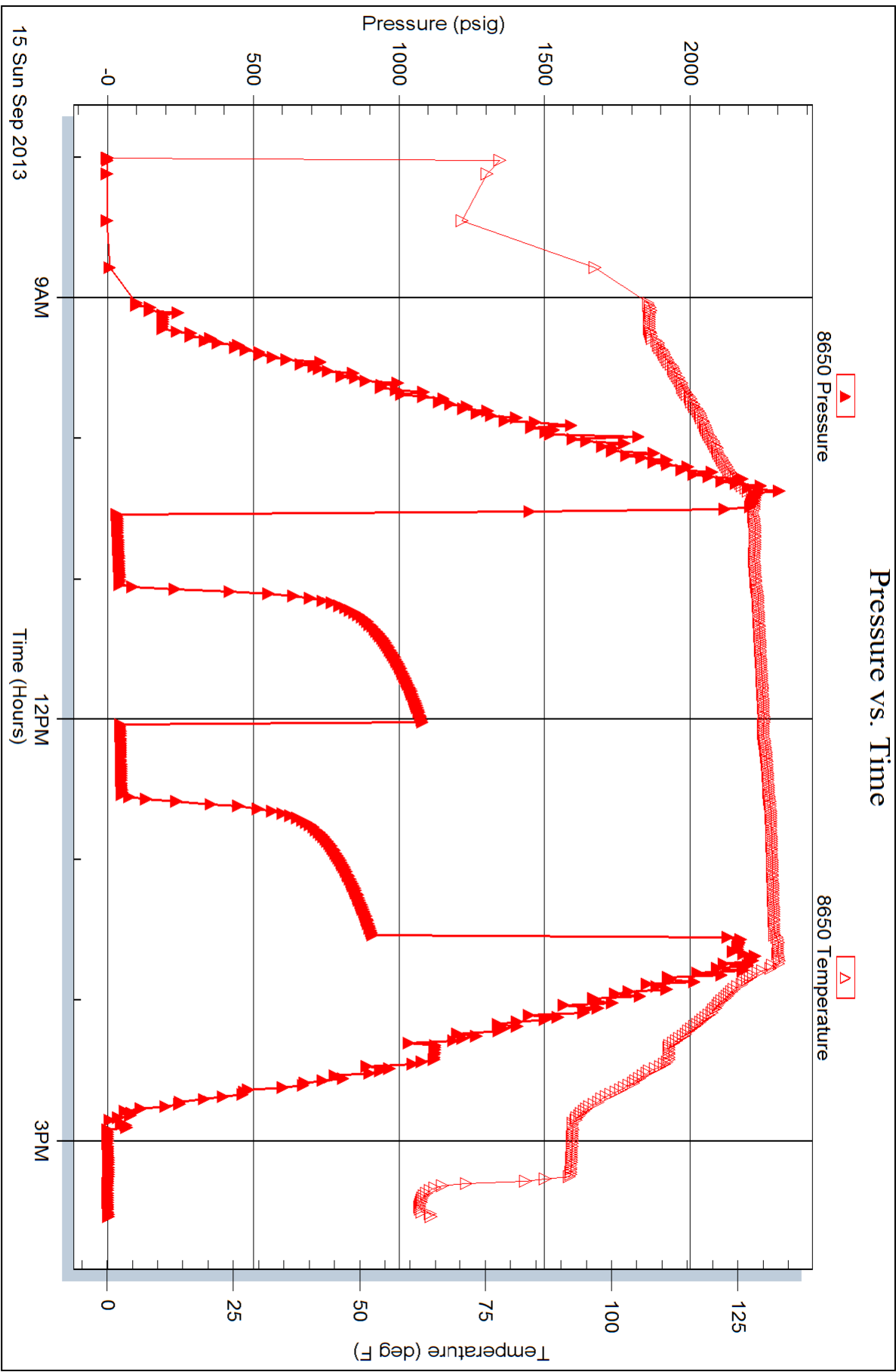


Serial #: 8650

Outside Ward Petroleum Corporation

Firegan #3-13

DST Test Number: 3





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 52967

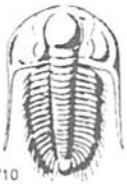
Well Name & No. Finegan 3-13 Test No. 1 Date 9/13/13  
 Company Ward Petroleum Corporation Elevation 3360 KB 3349 GL  
 Address 502 S Fillmore Enid OK, 73703  
 Co. Rep / Geo. Larry Nichols / Rodney Gonzales Rig H2 Rig 1  
 Location: Sec. 13 Twp. Les Rge. 38w Co. Sherman Co. State KS

Interval Tested 4115-4135 Zone Tested Limestone just below Heleneer  
 Anchor Length 20 Drill Pipe Run 3750.48 Mud Wt. 8.7  
 Top Packer Depth 4111 Drill Collars Run 320.11 Vis. 54  
 Bottom Packer Depth 4115 Wt. Pipe Run \_\_\_\_\_ WL 7.2  
 Total Depth 4135 Chlorides 2,800 ppm System LCM 2#  
 Blow Description Built to 1/4" below  
No return below  
No below

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>No return below</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 20 BHT 126 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ ° F Chlorides \_\_\_\_\_ ppm  
 (A) Initial Hydrostatic 2,035  Test 1250 T-On Location 02:40  
 (B) First Initial Flow 17  Jars 250 T-Started 05:30  
 (C) First Final Flow 22  Safety Joint 75 T-Open 07:39  
 (D) Initial Shut-In 1,245  Circ Sub n/c T-Pulled 09:24  
 (E) Second Initial Flow 23  Hourly Standby \_\_\_\_\_ T-Out 11:49  
 (F) Second Final Flow 31  Mileage 220 RT 140rt 217 Comments \_\_\_\_\_  
 (G) Final Shut-In 1,189  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2,971  Straddle \_\_\_\_\_  
 Shale Packer 250  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 2192  
 Accessibility 150 MP/DST Disc't \_\_\_\_\_  
 Sub Total 2192

Approved By \_\_\_\_\_ Our Representative [Signature]  
 TriLOBITE TESTING Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 52968

Well Name & No. Finegan 3-13 Test No. 2 Date 9/14/13  
 Company Ward Petroleum Corporation Elevation 3360 KB 3349 GL  
 Address 502 S Fillmore Enid OK, 73703  
 Co. Rep / Geo. Larry Nichols / Rodney Gonzales Rig H2 Rig 1  
 Location: Sec. 13 Twp. 6S Rge. 38W Co. Sherman County State KS

Interval Tested 4336-4362 Zone Tested Kansas City "I"  
 Anchor Length 26 Drill Pipe Run 3971.78 Mud Wt. 9.1  
 Top Packer Depth 4332 Drill Collars Run 370.11 Vis ~~4500~~ 56  
 Bottom Packer Depth 4336 Wt. Pipe Run \_\_\_\_\_ WL 8.0  
 Total Depth 4362 Chlorides 1,500 ppm System LCM 2#

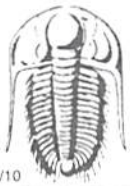
Blow Description Weak surface below, died in 20 min.  
No return below  
No below  
No return below

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>OCM</u>	<u>10</u>		<u>90</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 124 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ ° F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic <u>2,201</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>08:00</u>
(B) First Initial Flow <u>20</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>08:45</u>
(C) First Final Flow <u>22</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>10:50</u>
(D) Initial Shut-In <u>52</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>12:50</u>
(E) Second Initial Flow <u>21</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>14:42</u>
(F) Second Final Flow <u>22</u>	<input checked="" type="checkbox"/> Mileage <u>220 RT</u> 217	Comments _____
(G) Final Shut-In <u>45</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2,201</u>	<input type="checkbox"/> Straddle _____	<input checked="" type="checkbox"/> Ruined Shale Packer <u>350</u>
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	Total <u>2542</u>
	<input checked="" type="checkbox"/> Accessibility <u>150</u>	MP/DST Disc't _____
	Sub Total <u>2192</u>	

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 52969

Well Name & No. Finegan 3-13 Test No. 3 Date 9/15/13  
 Company Ward Petroleum Corporation Elevation 3360 KB 3349 GL  
 Address 502 S Fillmore Enid OK, 73703  
 Co. Rep / Geo. Harry Nichols / Rodney Gonzales Rig HR Rig 1  
 Location: Sec. 13 Twp. 6S Rge. 38W Co. Sherman County State KS

Interval Tested 4521-4555 Zone Tested ~~4521-4555~~ Marmaton  
 Anchor Length 34 Drill Pipe Run 4160.79 Mud Wt. 9.02  
 Top Packer Depth 4517 Drill Collars Run 370.11 Vis 52  
 Bottom Packer Depth 4521 Wt. Pipe Run \_\_\_\_\_ WL 7.02  
 Total Depth 4555 Chlorides 1,800 ppm System LCM 2#

Blow Description Built to 1" below & stayed  
No return below  
No below

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>50 CM with oil spots in tool</u>			<u>5</u>	<u>95</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 30 BHT 131 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ ° F Chlorides \_\_\_\_\_ ppm  
 (A) Initial Hydrostatic 2,245  Test 1250 T-On Location 07:20  
 (B) First Initial Flow 31  Jars 250 T-Started 08:00  
 (C) First Final Flow 42  Safety Joint 75 T-Open 10:31  
 (D) Initial Shut-In 1,083  Circ Sub N/C T-Pulled 13:31  
 (E) Second Initial Flow 43  Hourly Standby T-Out 15:32  
 (F) Second Final Flow 49  Mileage 220 RT X 2 434 Comments Loaded tools on 9/16  
 (G) Final Shut-In 913  Sampler @ 11:30 in the morning  
 (H) Final Hydrostatic 2,172  Straddle  Ruined Shale Packer 350  
 Shale Packer 250  Ruined Packer  
 Extra Packer  
 Extra Recorder  
 Day Standby  
 Accessibility 150 Sub Total 0  
 Total 2759  
 MP/DST Disc't \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 60  
 Final Flow 30  
 Final Shut-In 60  
 Sub Total 2409

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