



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1153407  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

*(Data must be collected from the Reserve Pit)*

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1153407

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  
 Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Decker 1-8
Doc ID	1153407

All Electric Logs Run

Borehole Compensated Sonic Log
Dual Induction Log
Microresistivity Log
Dual Compensated Porosity Log

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Decker 1-8
Doc ID	1153407

Tops

Name	Top	Datum
Anhydrite	2454	702
B/Anhydrite	2472	684
Topeka	3777	-620
Heebner	4015	-859
Toronto	4032	-876
Lansing	4066	-904
C	4109	-945
D	4124	-961
E	4158	-998
F	4182	-1022
Munice Creek	4247	-1093
H	4260	-1105
I	4299	-1142
J	4327	-1169
Stark Shale	4350	-1194
K	4358	-1202
L	4411	-1259
BKC	4448	-1293
Marmaton	4510	-1357
Altamont	4533	-1378
Pawnee	4582	-1427
Myrick Station	4618	-1463
Fort Scott	4635	-1480
Cherokee	4663	-1507

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Decker 1-8
Doc ID	1153407

Tops

Name	Top	Datum
Johnson Zone	4721	-1566
Up Morrow Sand	4866	-1703
Missippian	4877	-1723



## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources**

1616 S Voss Rd Ste 600  
Houston, TX 77057-2641

ATTN: Terry McLeod

### **Decker #1-8**

### **8-17s-34w Scott,KS**

Start Date: 2013.06.23 @ 12:45:32

End Date: 2013.06.23 @ 20:34:11

Job Ticket #: 49214                      DST #: 1

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

Printed: 2013.07.01 @ 14:03:19



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Landmark Resources  
 1616 S Voss Rd Ste 600  
 Houston, TX 77057-2641  
 ATTN: Terry McLeod

**8-17s-34w Scott,KS**  
**Decker #1-8**  
 Job Ticket: 49214      **DST#: 1**  
 Test Start: 2013.06.23 @ 12:45:32

## GENERAL INFORMATION:

Formation: **L**  
 Deviated: **No** Whipstock:                      ft (KB)  
 Time Tool Opened: 15:18:42  
 Time Test Ended: 20:34:11  
**Interval: 4414.00 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 (Initial)  
 Tester: Shane McBride  
 Unit No: 55  
 Reference Elevations: 3156.00 ft (KB)  
 3145.00 ft (CF)  
 KB to GR/CF: 11.00 ft

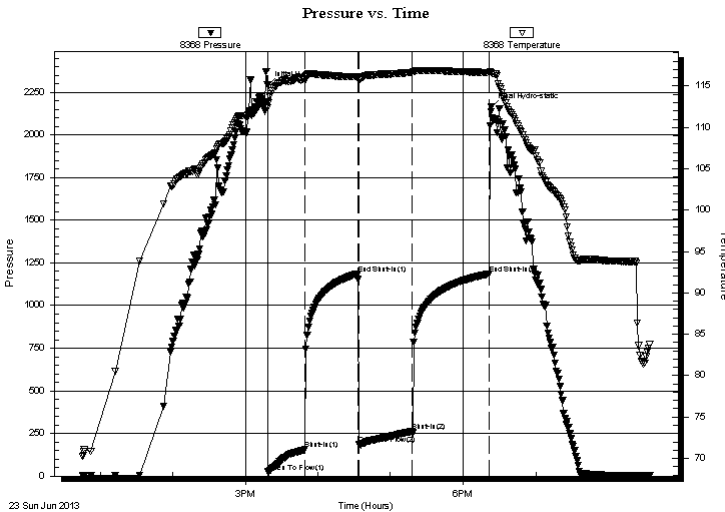
## Serial #: 8368

**Outside**

Press @ Run Depth: 263.06 psig @ 4415.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2013.06.23      End Date: 2013.06.23      Last Calib.: 2013.06.23  
 Start Time: 12:45:32      End Time: 20:34:11      Time On Btm: 2013.06.23 @ 15:18:27  
 Time Off Btm: 2013.06.23 @ 18:22:57

**TEST COMMENT:** B.O.B. in 28 1/2 min.  
 No return  
 B.O.B. in 33 1/2 min  
 No return

## PRESSURE SUMMARY



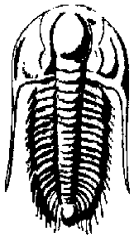
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2291.93	113.08	Initial Hydro-static
1	24.87	112.35	Open To Flow (1)
31	155.84	115.73	Shut-In(1)
75	1186.78	116.10	End Shut-In(1)
76	184.70	115.72	Open To Flow (2)
120	263.06	116.61	Shut-In(2)
183	1184.76	116.64	End Shut-In(2)
185	2162.53	116.63	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
357.00	s m c w 5% m 95% w	2.85
150.00	m c w w/oil spots 20% m 80% w	2.10
0.00	show of free oil on top 4"	0.00

## Gas Rates

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



**TRILOBITE**  
**TESTING, INC.**

# DRILL STEM TEST REPORT

Landmark Resources  
1616 S Voss Rd Ste 600  
Houston, TX 77057-2641  
ATTN: Terry McLeod

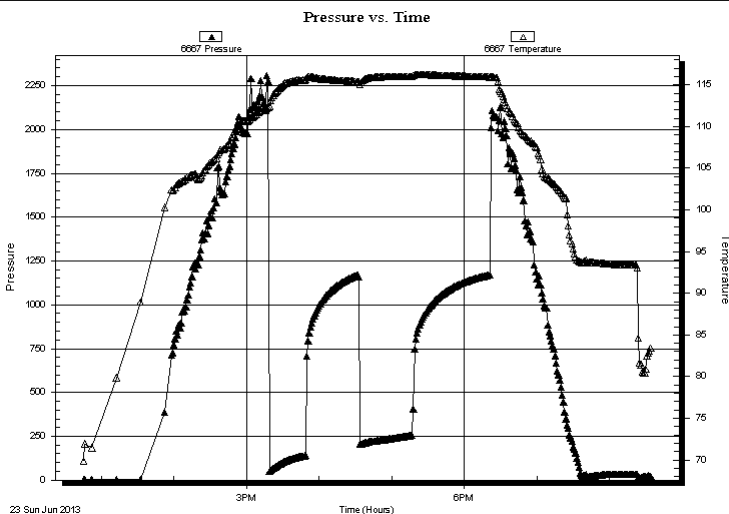
**8-17s-34w Scott,KS**  
**Decker #1-8**  
Job Ticket: 49214      **DST#: 1**  
Test Start: 2013.06.23 @ 12:45:32

## GENERAL INFORMATION:

Formation: **L**  
Deviated: **No** Whipstock:                                  **ft (KB)**  
Time Tool Opened: 15:18:42  
Time Test Ended: 20:34:11  
**Interval: 4414.00 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 (Initial)  
Tester: Shane McBride  
Unit No: 55  
Reference Elevations: 3156.00 ft (KB)  
3145.00 ft (CF)  
KB to GR/CF: 11.00 ft

**Serial #: 6667**      **Inside**  
Press @ RunDepth:                                  psig @      4415.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2013.06.23      End Date: 2013.06.23      Last Calib.: 2013.06.23  
Start Time: 12:45:16      End Time: 20:33:46      Time On Btm:  
Time Off Btm:

TEST COMMENT: B.O.B. in 28 1/2 min.  
No return  
B.O.B. in 33 1/2 min  
No return



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
357.00	s m c w 5% m 95% w	2.85
150.00	m c w w/oil spots 20% m 80% w	2.10
0.00	show of free oil on top 4"	0.00

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Landmark Resources  
1616 S Voss Rd Ste 600  
Houston, TX 77057-2641  
ATTN: Terry McLeod

**8-17s-34w Scott,KS**  
**Decker #1-8**  
Job Ticket: 49214      **DST#: 1**  
Test Start: 2013.06.23 @ 12:45:32

**Tool Information**

Drill Pipe:	Length: 4170.00 ft	Diameter: 3.80 inches	Volume: 58.49 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: 237.00 ft	Diameter: 2.25 inches	Volume: 1.17 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 59.66 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4414.00 ft			Final 81000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
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Change Over Sub	1.00			4392.00	
Shut In Tool	5.00			4397.00	
Hydraulic tool	5.00			4402.00	
Safety Joint	3.00			4405.00	
Packer	5.00			4410.00	23.00      Bottom Of Top Packer
Packer	4.00			4414.00	
Stubb	1.00			4415.00	
Recorder	0.00	6667	Inside	4415.00	
Recorder	0.00	8368	Outside	4415.00	
Perforations	15.00			4430.00	
Bullnose	5.00			4435.00	21.00      Bottom Packers & Anchor

**Total Tool Length: 44.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Landmark Resources  
1616 S Voss Rd Ste 600  
Houston, TX 77057-2641  
ATTN: Terry McLeod

**8-17s-34w Scott,KS**  
**Decker #1-8**  
Job Ticket: 49214      **DST#: 1**  
Test Start: 2013.06.23 @ 12:45:32

## 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: 26000 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.94 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 7000.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

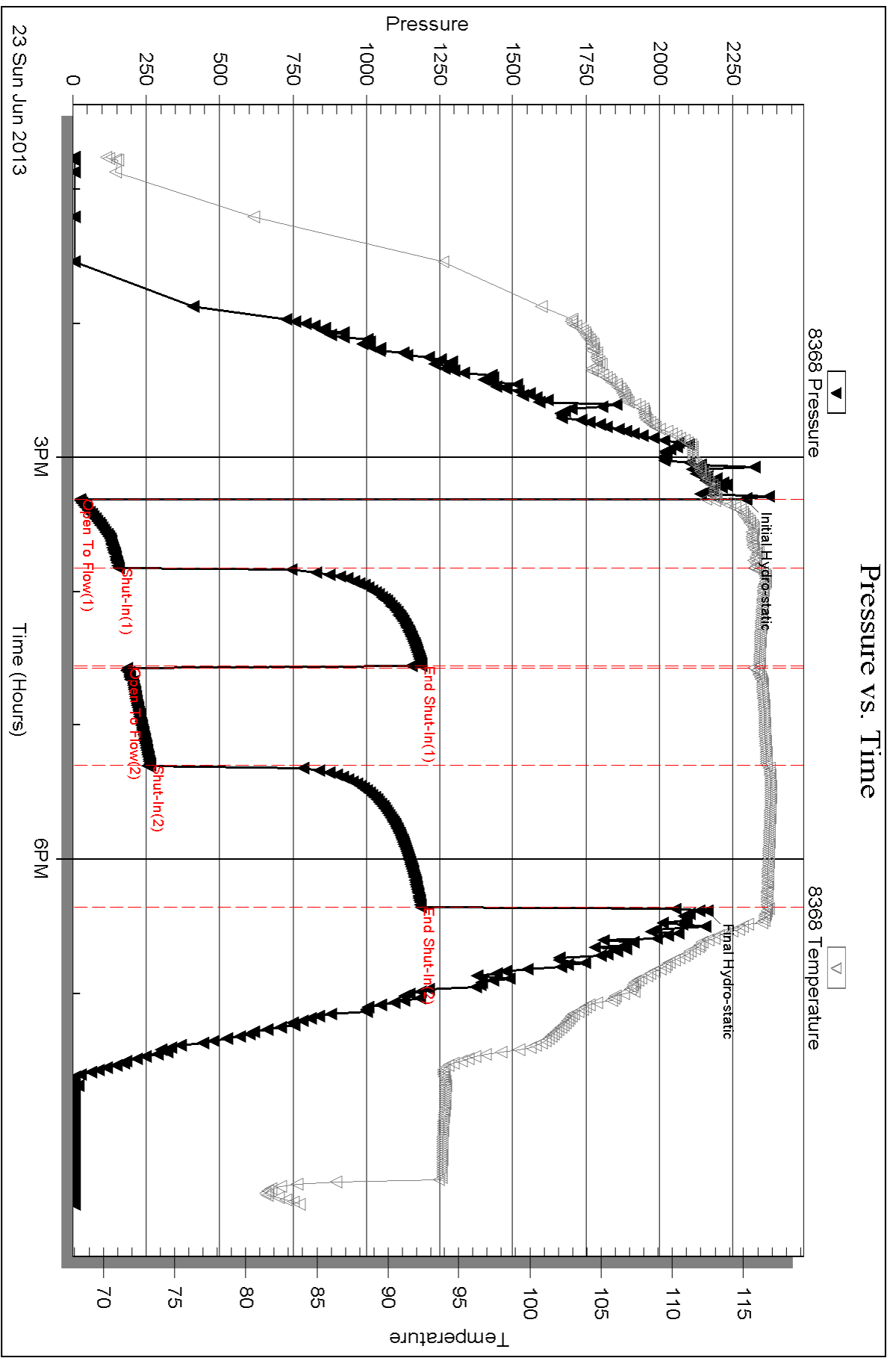
Length ft	Description	Volume bbl
357.00	s m c w 5%m 95%w	2.849
150.00	m c w w/oil spots 20%m 80%w	2.104
0.00	show of free oil on top 4"	0.000

Total Length: 507.00 ft      Total Volume: 4.953 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: rw .219 @88\*f =26,000



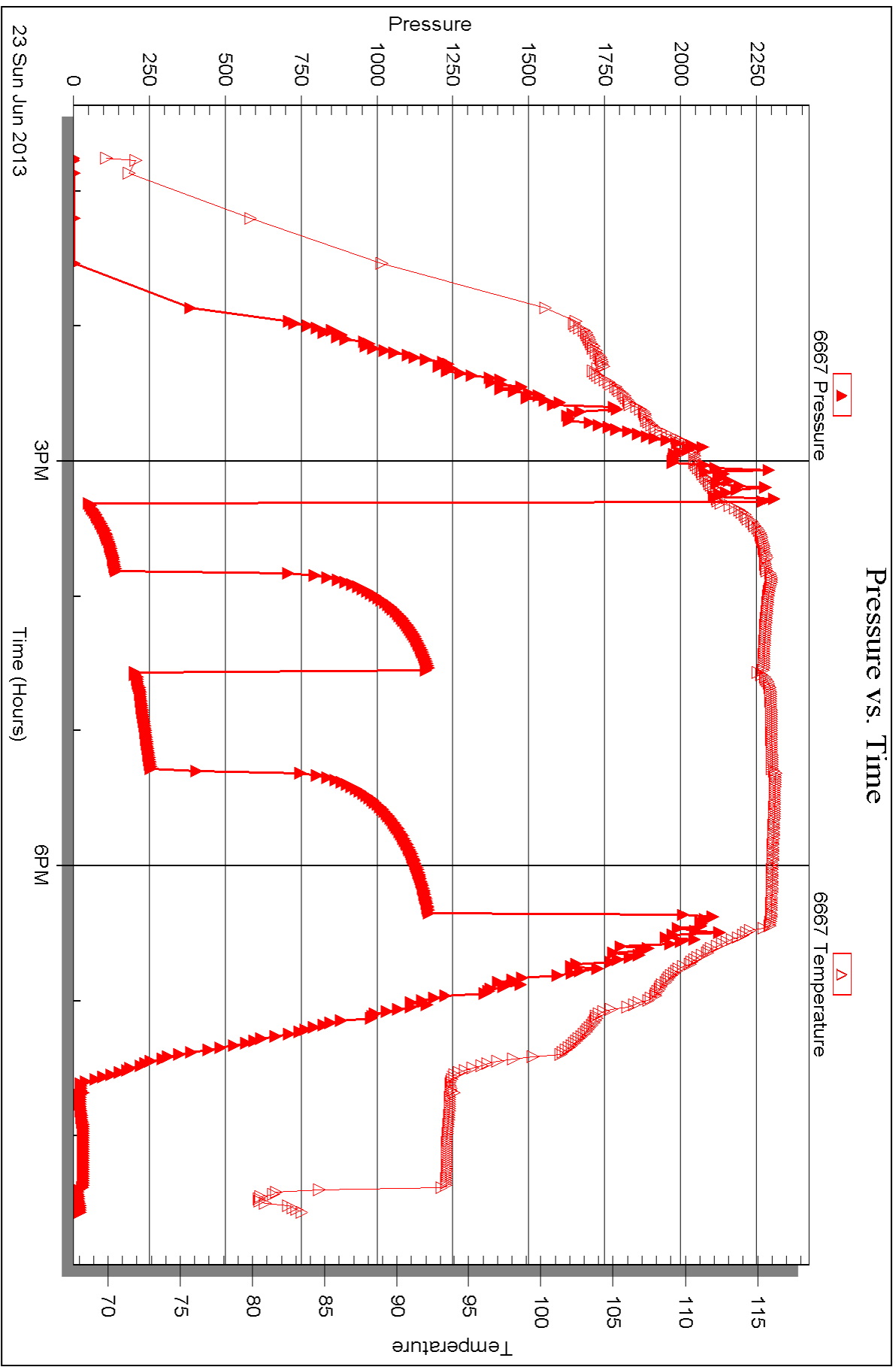
Serial #: 6667

Inside

Landmark Resources

Decker #1-8

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources**

1616 S Voss Rd Ste 600  
Houston, TX 77057-2641

ATTN: Terry McLeod

### **Decker #1-8**

### **8-17s-34w Scott,KS**

Start Date: 2013.06.24 @ 09:45:29

End Date: 2013.06.24 @ 16:54:08

Job Ticket #: 49215                      DST #: 2

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

Printed: 2013.07.01 @ 14:00:35



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Landmark Resources  
 1616 S Voss Rd Ste 600  
 Houston, TX 77057-2641  
 ATTN: Terry McLeod

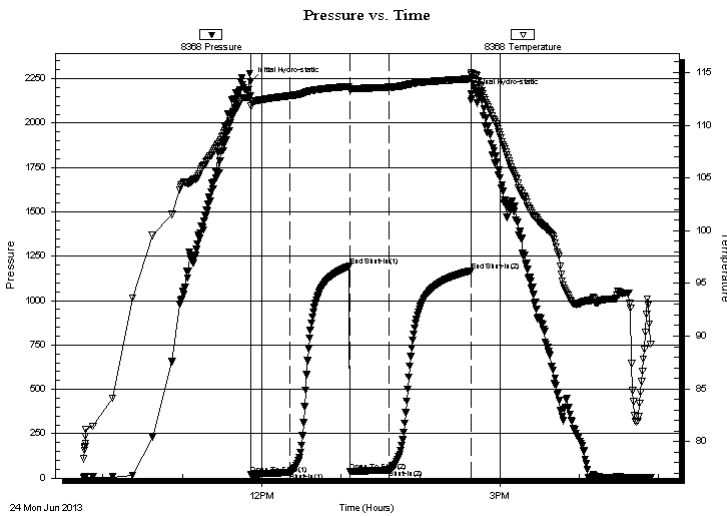
**8-17s-34w Scott,KS**  
**Decker #1-8**  
 Job Ticket: 49215 **DST#: 2**  
 Test Start: 2013.06.24 @ 09:45:29

## GENERAL INFORMATION:

Formation: **Marmaton**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 11:52:09  
 Time Test Ended: 16:54:08  
 Interval: **4476.00 ft (KB) To 4530.00 ft (KB) (TVD)**  
 Total Depth: 4530.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Shane McBride  
 Unit No: 55  
 Reference Elevations: 3156.00 ft (KB)  
 3145.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8368 Outside**  
 Press @ Run Depth: 46.94 psig @ 4477.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.06.24 End Date: 2013.06.24 Last Calib.: 2013.06.24  
 Start Time: 09:45:29 End Time: 16:54:08 Time On Btm: 2013.06.24 @ 11:51:54  
 Time Off Btm: 2013.06.24 @ 14:38:39

**TEST COMMENT:** Weak 1/2" blow died back to a weak surface blow  
 No return  
 Weak surface blow died in 3 min.  
 No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2235.78	112.79	Initial Hydro-static
1	21.18	111.79	Open To Flow (1)
30	32.90	112.80	Shut-In(1)
75	1193.63	113.68	End Shut-In(1)
75	38.36	113.31	Open To Flow (2)
105	46.94	113.61	Shut-In(2)
167	1168.33	114.40	End Shut-In(2)
167	2165.37	114.75	Final Hydro-static

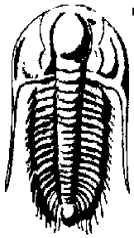
## Recovery

Length (ft)	Description	Volume (bbl)
1.00	free oil 100%o	0.00
29.00	m c o 40% m 60%o	0.14
30.00	h o c m 45% 0 55% M	0.15

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Landmark Resources  
 1616 S Voss Rd Ste 600  
 Houston, TX 77057-2641  
 ATTN: Terry McLeod

**8-17s-34w Scott,KS**  
**Decker #1-8**  
 Job Ticket: 49215      **DST#: 2**  
 Test Start: 2013.06.24 @ 09:45:29

## GENERAL INFORMATION:

Formation: **Marmaton**  
 Deviated: No Whipstock:                      ft (KB)  
 Time Tool Opened: 11:52:09  
 Time Test Ended: 16:54:08

Test Type: Conventional Bottom Hole (Reset)  
 Tester: Shane McBride  
 Unit No: 55

Interval: **4476.00 ft (KB) To 4530.00 ft (KB) (TVD)**  
 Total Depth: 4530.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3156.00 ft (KB)  
 3145.00 ft (CF)  
 KB to GR/CF: 11.00 ft

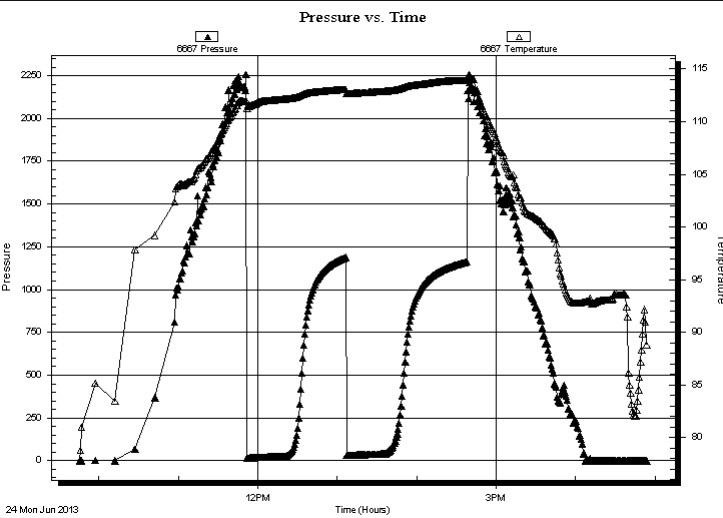
## Serial #: 6667

Inside

Press @ Run Depth:                      psig @ 4477.00 ft (KB)  
 Start Date: 2013.06.24                      End Date: 2013.06.24  
 Start Time: 09:45:31                      End Time: 16:54:01

Capacity: 8000.00 psig  
 Last Calib.: 2013.06.24  
 Time On Btm:  
 Time Off Btm:

TEST COMMENT: Weak 1/2" blow died back to a weak surface blow  
 No return  
 Weak surface blow died in 3 min.  
 No return



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	free oil 100%o	0.00
29.00	m c o 40% m 60%o	0.14
30.00	h o c m 45% 0 55% M	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**

Landmark Resources

**8-17s-34w Scott,KS**

1616 S Voss Rd Ste 600  
Houston, TX 77057-2641

**Decker #1-8**

Job Ticket: 49215

**DST#: 2**

ATTN: Terry McLeod

Test Start: 2013.06.24 @ 09:45:29

## Tool Information

Drill Pipe:	Length: 4233.00 ft	Diameter: 3.80 inches	Volume: 59.38 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: 237.00 ft	Diameter: 2.25 inches	Volume: 1.17 bbl	Weight to Pull Loose: 102000.0 lb
			<u>Total Volume: 60.55 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	4476.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.00 ft			
Tool Length:	77.00 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			4454.00	
Shut In Tool	5.00			4459.00	
Hydraulic tool	5.00			4464.00	
Safety Joint	3.00			4467.00	
Packer	5.00			4472.00	23.00 Bottom Of Top Packer
Packer	4.00			4476.00	
Stubb	1.00			4477.00	
Recorder	0.00	6667	Inside	4477.00	
Recorder	0.00	8368	Outside	4477.00	
Perforations	15.00			4492.00	
Change Over Sub	1.00			4493.00	
Drill Pipe	31.00			4524.00	
Change Over Sub	1.00			4525.00	
Bullnose	5.00			4530.00	54.00 Bottom Packers & Anchor

**Total Tool Length: 77.00**





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Landmark Resources

**8-17s-34w Scott,KS**

1616 S Voss Rd Ste 600  
Houston, TX 77057-2641

**Decker #1-8**

Job Ticket: 49215

**DST#: 2**

ATTN: Terry McLeod

Test Start: 2013.06.24 @ 09:45:29

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.35 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
1.00	free oil 100%o	0.005
29.00	m c o 40% m 60%o	0.143
30.00	h o c m 45% 0 55%M	0.148

Total Length: 60.00 ft      Total Volume: 0.296 bbl

Num Fluid Samples: 0

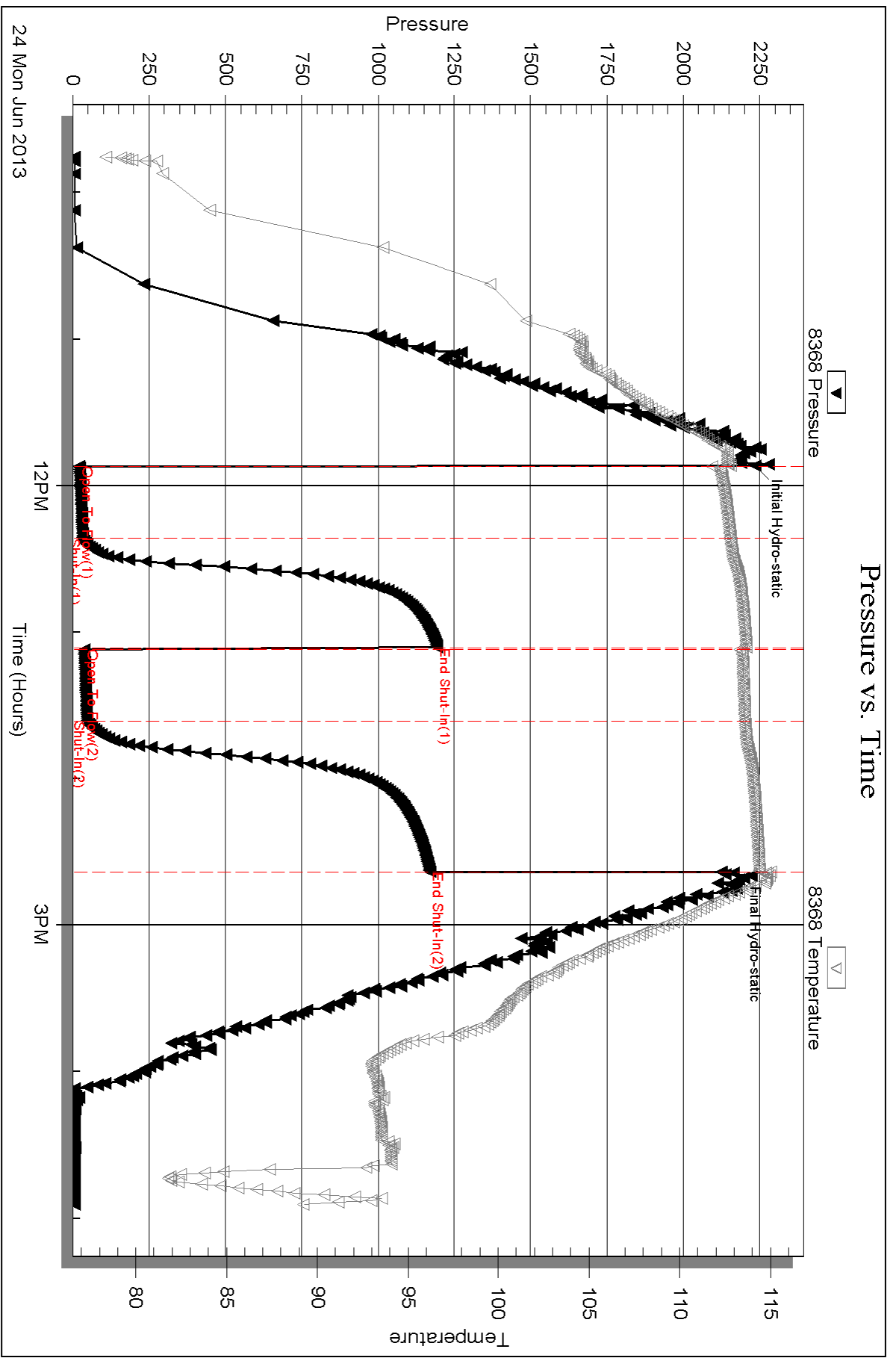
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



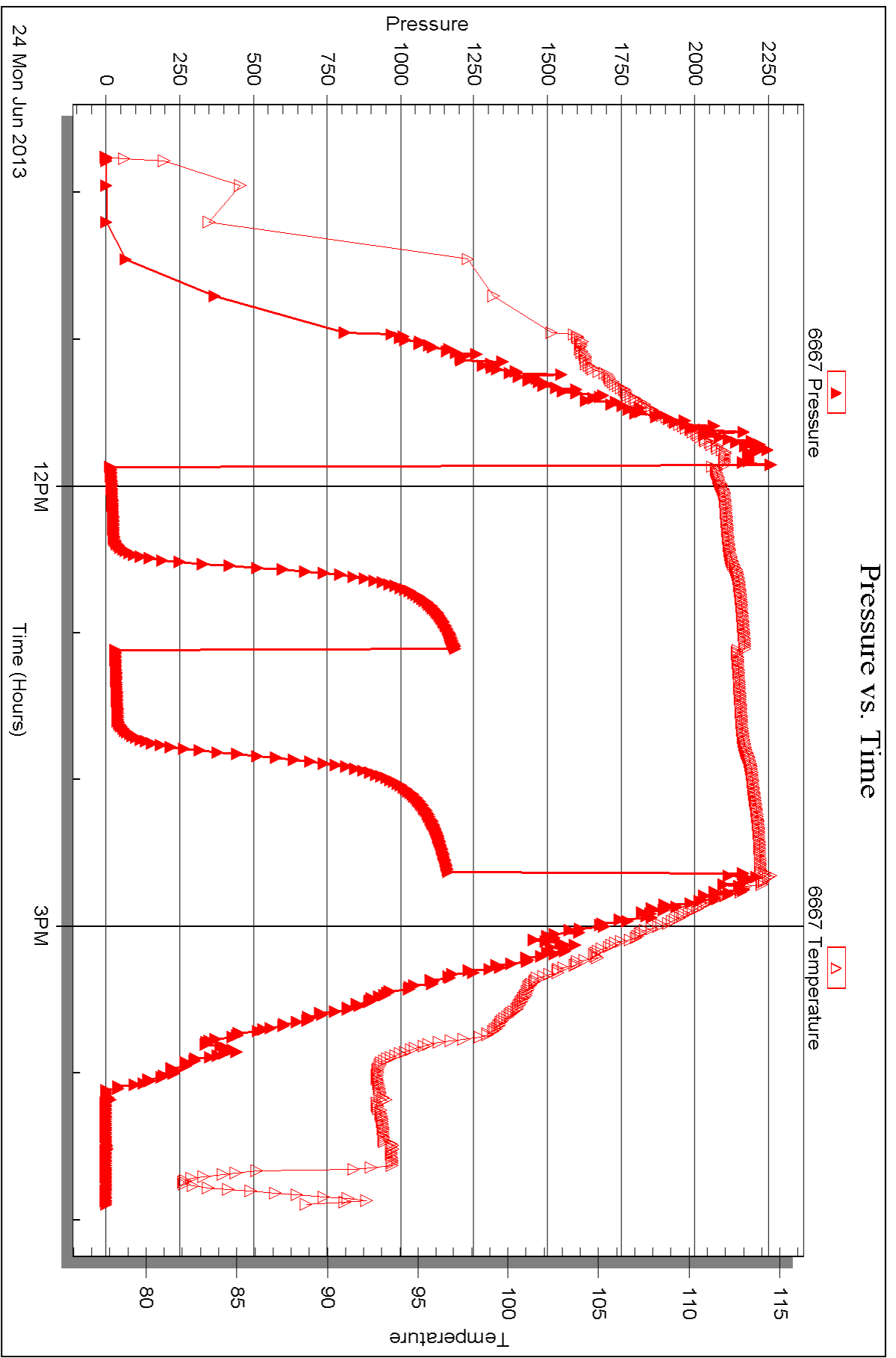
Serial #: 6667

Inside

Landmark Resources

Decker #1-8

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 49215

Printed: 2013.07.01 @ 14:00:38



## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources**

1616 S Voss Rd Ste 600  
Houston, TX 77057-2641

ATTN: Terry McLeod

### **Decker #1-8**

### **8-17s-34w Scott,KS**

Start Date: 2013.06.25 @ 02:40:53

End Date: 2013.06.25 @ 09:37:32

Job Ticket #: 49216                      DST #: 3

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

Printed: 2013.07.01 @ 13:58:33







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Landmark Resources  
1616 S Voss Rd Ste 600  
Houston, TX 77057-2641  
ATTN: Terry McLeod

**8-17s-34w Scott,KS**  
**Decker #1-8**  
Job Ticket: 49216      **DST#: 3**  
Test Start: 2013.06.25 @ 02:40:53

**Tool Information**

Drill Pipe:	Length: 4295.00 ft	Diameter: 3.80 inches	Volume: 60.25 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: 237.00 ft	Diameter: 2.25 inches	Volume: 1.17 bbl	Weight to Pull Loose:	102000.0 lb
			<u>Total Volume: 61.42 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	76000.00 lb
Depth to Top Packer:	4530.00 ft			Final	76000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	54.00 ft				
Tool Length:	77.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Change Over Sub	1.00			4508.00	
Shut In Tool	5.00			4513.00	
Hydraulic tool	5.00			4518.00	
Safety Joint	3.00			4521.00	
Packer	5.00			4526.00	23.00      Bottom Of Top Packer
Packer	4.00			4530.00	
Stubb	1.00			4531.00	
Recorder	0.00	6667	Inside	4531.00	
Recorder	0.00	8368	Outside	4531.00	
Perforations	15.00			4546.00	
Change Over Sub	1.00			4547.00	
Drill Pipe	31.00			4578.00	
Change Over Sub	1.00			4579.00	
Bullnose	5.00			4584.00	54.00      Bottom Packers & Anchor

**Total Tool Length: 77.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Landmark Resources  
1616 S Voss Rd Ste 600  
Houston, TX 77057-2641  
ATTN: Terry McLeod

**8-17s-34w Scott,KS**  
**Decker #1-8**  
Job Ticket: 49216      **DST#: 3**  
Test Start: 2013.06.25 @ 02:40:53

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.34 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: 1.00 inches			

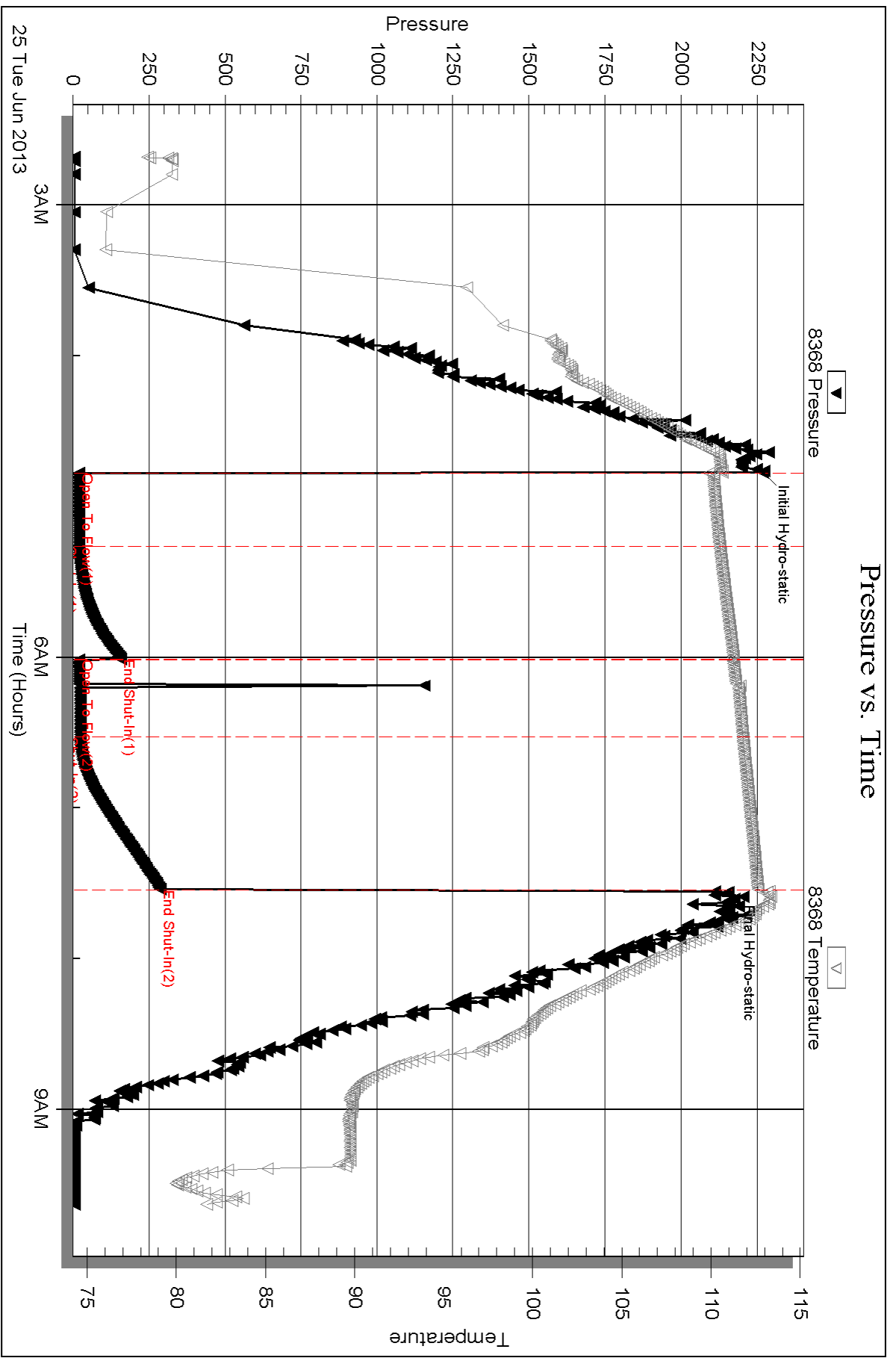
## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud w / oil spots 100% 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:





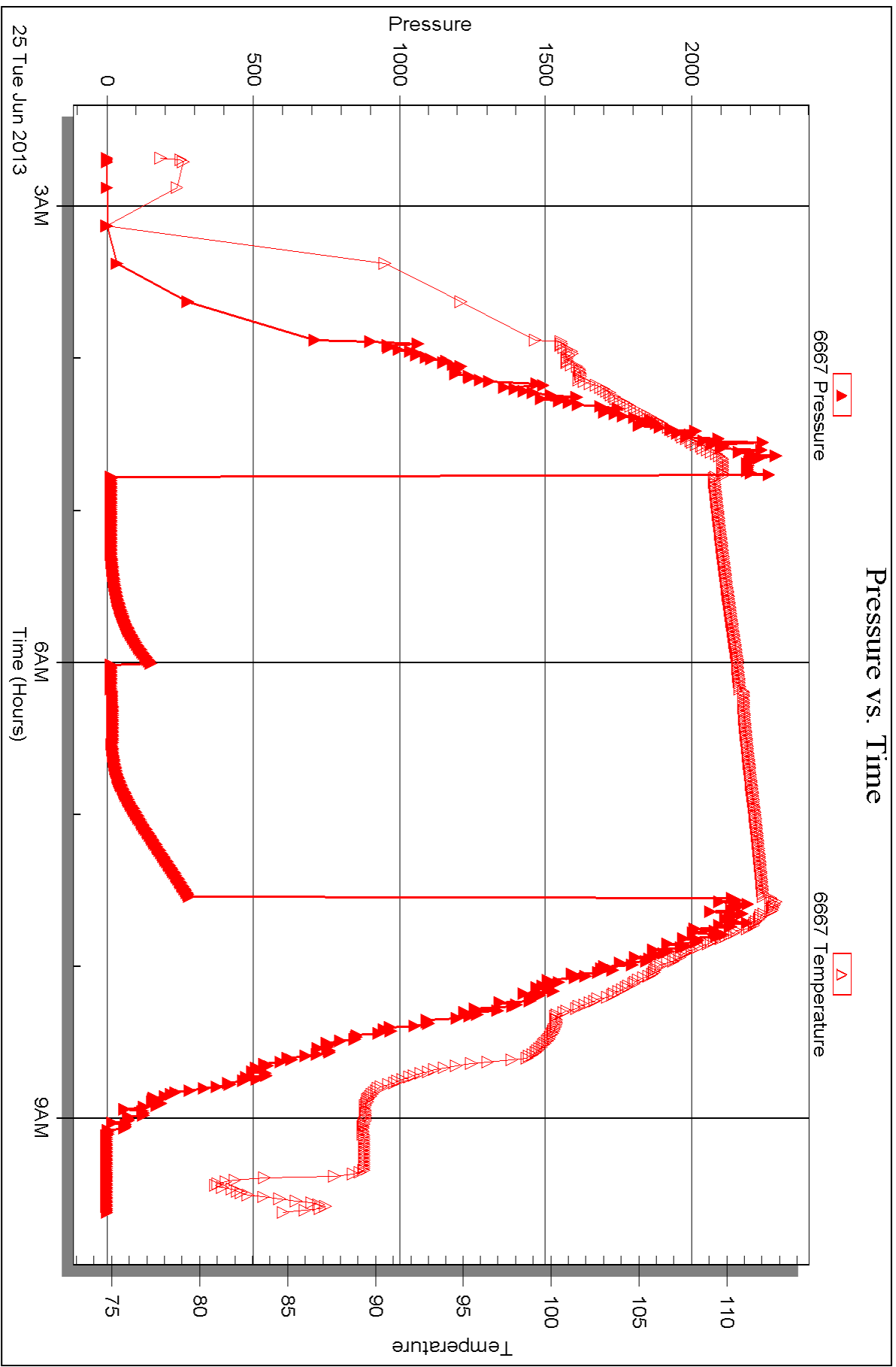
Serial #: 6667

Inside

Landmark Resources

Decker #1-8

DST Test Number: 3





## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources**

1616 S Voss Rd Ste 600  
Houston, TX 77057-2641

ATTN: Terry McLeod

### **Decker #1-8**

### **8-17s-34w Scott,KS**

Start Date: 2013.06.27 @ 01:40:37

End Date: 2013.06.27 @ 08:10:46

Job Ticket #: 49217                      DST #: 4

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

Printed: 2013.07.01 @ 13:57:28

Landmark Resources  
8-17s-34w Scott,KS  
Decker #1-8  
DST # 4  
J  
2013.06.27



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Landmark Resources  
1616 S Voss Rd Ste 600  
Houston, TX 77057-2641  
ATTN: Terry McLeod

**8-17s-34w Scott,KS**  
**Decker #1-8**  
Job Ticket: 49217      **DST#: 4**  
Test Start: 2013.06.27 @ 01:40:37

## GENERAL INFORMATION:

Formation: **J**  
Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole (Reset)**  
Time Tool Opened: 03:33:47 Tester: **Shane McBride**  
Time Test Ended: 08:10:46 Unit No: **55**  
**Interval: 4279.00 ft (KB) To 4345.00 ft (KB) (TVD)** Reference Elevations: **3156.00 ft (KB)**  
Total Depth: **4943.00 ft (KB) (TVD)** **3145.00 ft (CF)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **11.00 ft**

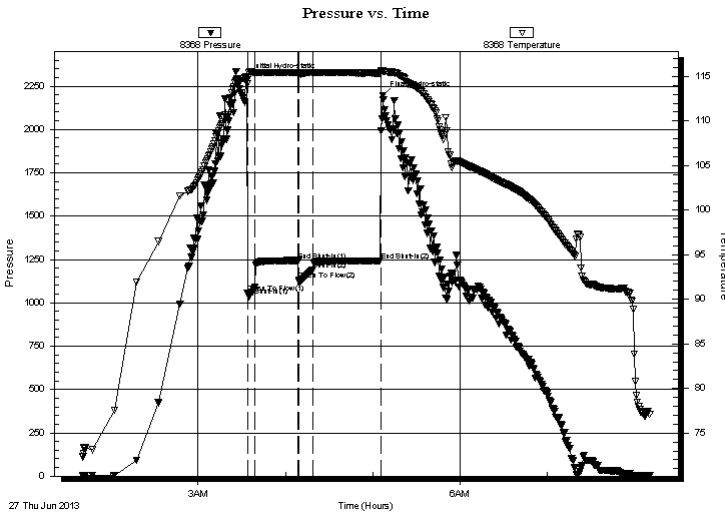
## Serial #: 8368

**Outside**

Press @ Run Depth: 1188.02 psig @ 4280.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2013.06.27 End Date: 2013.06.27 Last Calib.: 2013.06.27  
Start Time: 01:40:37 End Time: 08:10:46 Time On Btm: 2013.06.27 @ 03:33:02  
Time Off Btm: 2013.06.27 @ 05:07:02

TEST COMMENT: B.O.B. @ open  
No return  
B.O.B. in 1 min.  
No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2300.83	114.85	Initial Hydro-static
1	1057.99	114.15	Open To Flow (1)
6	1091.94	115.42	Shut-In(1)
36	1244.19	115.41	End Shut-In(1)
36	1131.57	115.34	Open To Flow (2)
46	1188.02	115.40	Shut-In(2)
93	1243.69	115.36	End Shut-In(2)
94	2194.25	115.60	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1270.00	water 100%w	15.66
600.00	s m c w 15%m 85%w	8.42
300.00	m c w 50%m 50%w	4.21

\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Landmark Resources  
1616 S Voss Rd Ste 600  
Houston, TX 77057-2641  
ATTN: Terry McLeod

**8-17s-34w Scott,KS**  
**Decker #1-8**  
Job Ticket: 49217      **DST#: 4**  
Test Start: 2013.06.27 @ 01:40:37

**Tool Information**

Drill Pipe:	Length: 4047.00 ft	Diameter: 3.80 inches	Volume: 56.77 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: 30000.00 lb
Drill Collar:	Length: 237.00 ft	Diameter: 2.25 inches	Volume: 1.17 bbl	Weight to Pull Loose: 105000.0 lb
			<u>Total Volume: 57.94 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4279.00 ft			Final 91000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	664.00 ft			
Tool Length:	686.00 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			4258.00	
Shut In Tool	5.00			4263.00	
Hydraulic tool	5.00			4268.00	
Safety Joint	2.00			4270.00	
Packer	5.00			4275.00	22.00      Bottom Of Top Packer
Packer	4.00			4279.00	
Stubb	1.00			4280.00	
Recorder	0.00	6667	Inside	4280.00	
Recorder	0.00	8368	Outside	4280.00	
Perforations	5.00			4285.00	
Change Over Sub	1.00			4286.00	
Drill Pipe	32.00			4318.00	
Change Over Sub	1.00			4319.00	
Perforations	22.00			4341.00	
Blank Off Sub	1.00			4342.00	
top of s packer	3.00			4345.00	
Packer - Shale	0.00			4345.00	
Stubb	1.00			4346.00	
Anchor	2.00			4348.00	
Recorder	0.00	6771	Below	4348.00	
Change Over Sub	1.00			4349.00	
Drill Pipe	594.00			4943.00	664.00      Bottom Packers & Anchor

**Total Tool Length: 686.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Landmark Resources  
1616 S Voss Rd Ste 600  
Houston, TX 77057-2641  
ATTN: Terry McLeod

**8-17s-34w Scott,KS**  
**Decker #1-8**  
Job Ticket: 49217      **DST#: 4**  
Test Start: 2013.06.27 @ 01:40:37

## 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: 29500 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.27 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 6100.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1270.00	water 100%w	15.656
600.00	s m c w 15%m 85%w	8.416
300.00	m c w 50%m 50%w	4.208

Total Length: 2170.00 ft      Total Volume: 28.280 bbl

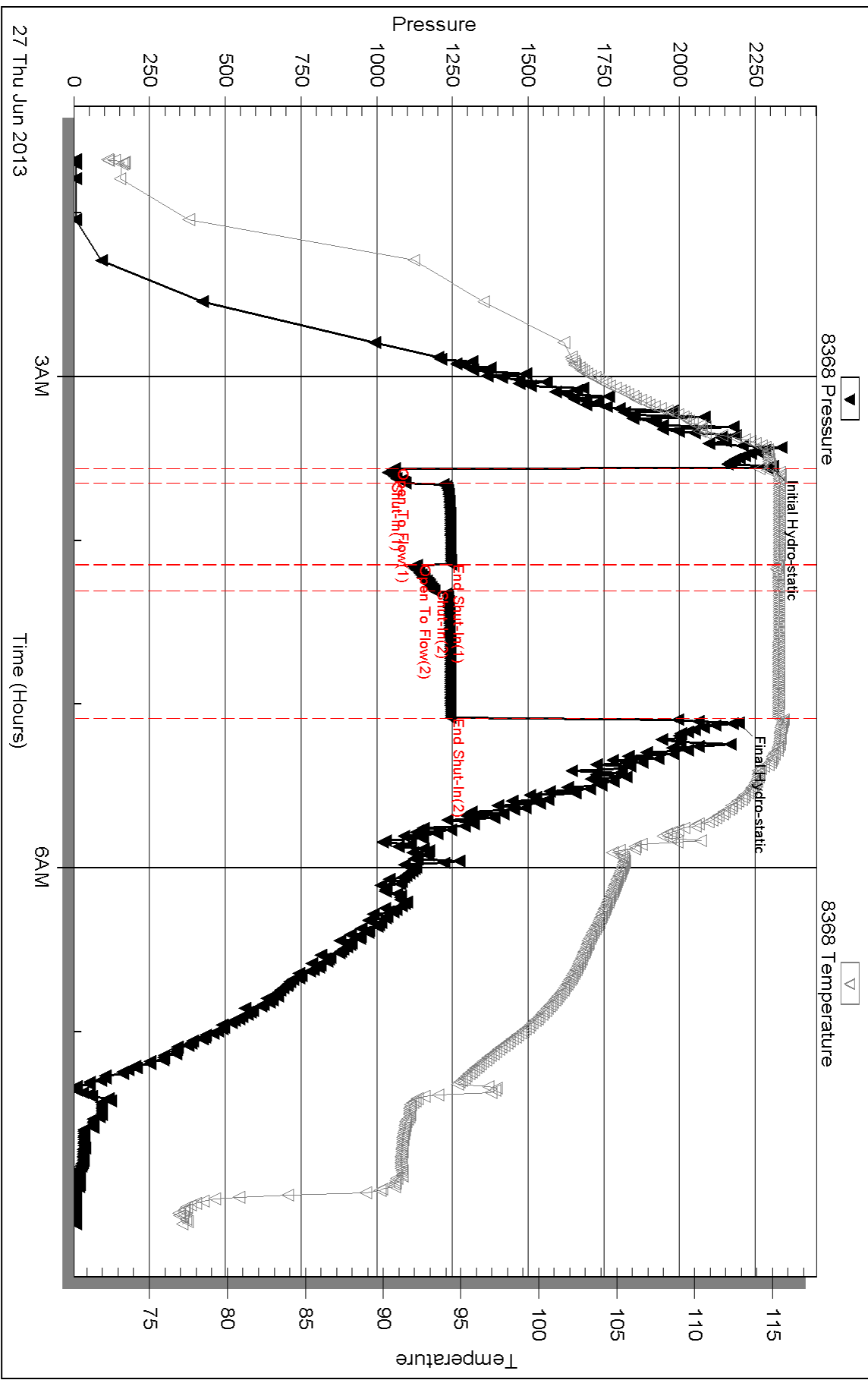
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

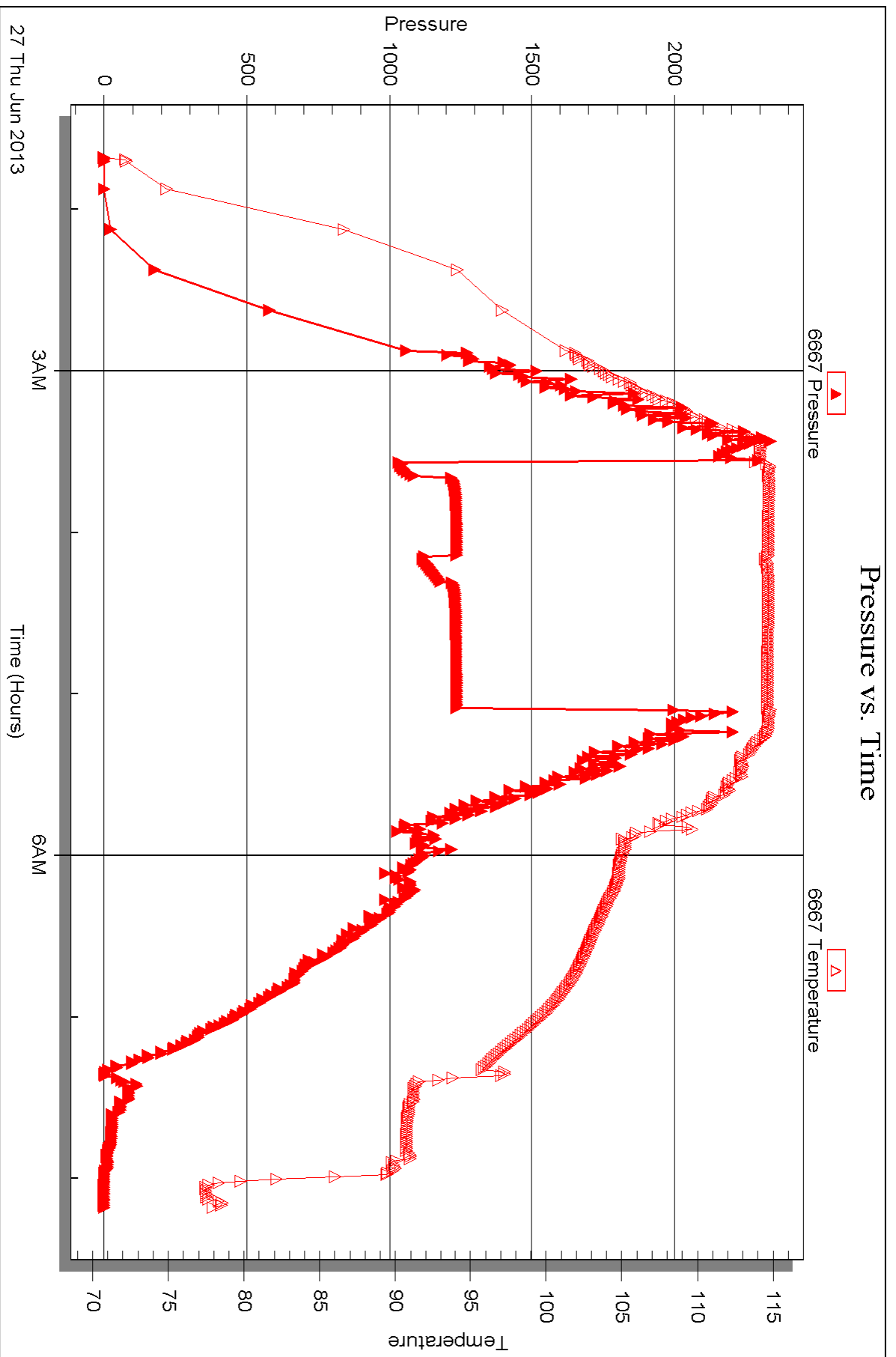
Laboratory Name:      Laboratory Location:

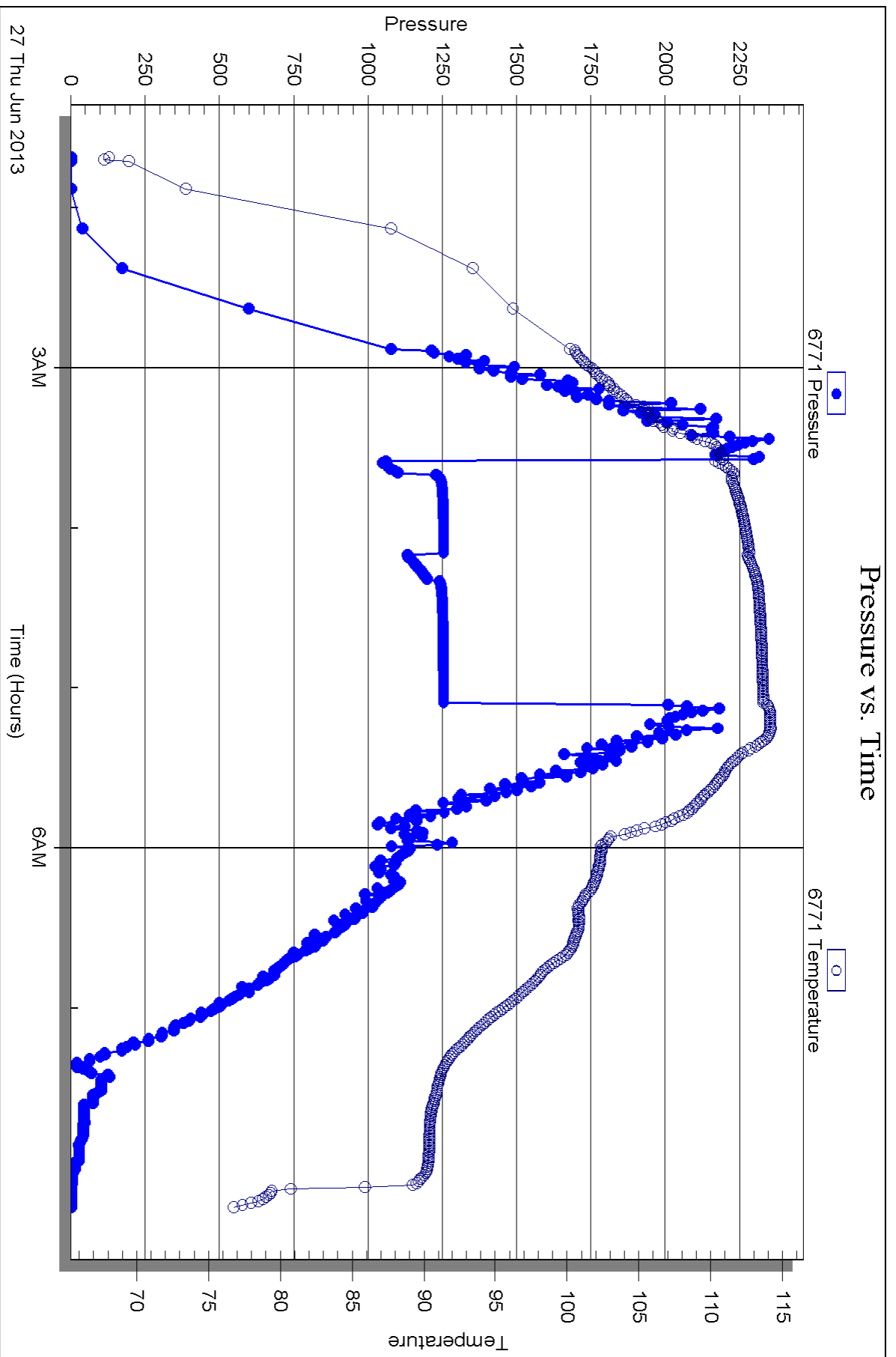
Recovery Comments: rw .191 @ 84\*f = 29,500 chlor

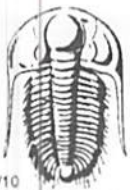


### Pressure vs. Time









# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 49214

Well Name & No. Decker #1-8 Test No. #1 Date 6/23/13  
 Company Landmark Resources Elevation 3156 KB 3145 GL  
 Address 1066 S Voss Rd. Ste 600 Houston, TX 77057-2141  
 Co. Rep / Geo. Terry McLeod Rig Marked #22  
 Location: Sec. 8 Twp. 17S Rge. 34W Co. Scott State Ks

Interval Tested 4414 4435 Zone Tested 2  
 Anchor Length 21 Drill Pipe Run 4170' Mud Wt. 9.3  
 Top Packer Depth 4409 Drill Collars Run 237' Vis 52  
 Bottom Packer Depth 4414 Wt. Pipe Run — WL 8.0  
 Total Depth 4435 Chlorides 7000 ppm System LCM #6  
 Blow Description B.O.B. in 28 1/2 min  
No return  
B.O.B. in 33 1/2 min  
No return

Rec	Feet of	%gas	%oil	%water	%mud
	<u>Shard free oil on top 4 inches</u>				
<u>150</u>	<u>mcw w/oil spots</u>	<u>spots</u>	<u>80</u>	<u>20</u>	
<u>357</u>	<u>smcw</u>		<u>95</u>	<u>5</u>	

Rec Total 507 BHT 117° Gravity — API RW .219 @ 88 °F Chlorides 26000 ppm

(A) Initial Hydrostatic <u>2291</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>11:45</u>
(B) First Initial Flow <u>24</u>	<input type="checkbox"/> Jars	T-Started <u>12:45</u>
(C) First Final Flow <u>155</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>15:20</u>
(D) Initial Shut-In <u>1186</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>18:20</u>
(E) Second Initial Flow <u>184</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>20:45</u>
(F) Second Final Flow <u>263</u>	<input checked="" type="checkbox"/> Mileage <u>40 RT</u> <u>62</u>	Comments
(G) Final Shut-In <u>1184</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2162</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>45</u>	<input type="checkbox"/> Day Standby	Total <u>1387</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Accessibility	MP/DST-Disc
	Sub Total <u>1387</u>	

Approved By Terry D. McLeod 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.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 49215

Well Name & No. Decker #1-8 Test No. #2 Date 6/24/13  
 Company Landmark Resources Elevation 3156 KB 3145 GL  
 Address 1166 S Voss Rd. Ste. 600 Houston, TX 77057-2641  
 Co. Rep / Geo. Terry McLeod Rig Muslow #22  
 Location: Sec. 8 Twp. 17S Rge. 34W Co. Scott State Ks

Interval Tested 4476 4530 Zone Tested Marmaton  
 Anchor Length 54 Drill Pipe Run 4233 Mud Wt. 9.5  
 Top Packer Depth 4471 Drill Collars Run 237 Vis 45  
 Bottom Packer Depth 4476 Wt. Pipe Run --- WL 9.4  
 Total Depth 4530 Chlorides 6000 ppm System LCM #6

Blow Description Weak 1/2" blow dried back to a weak surface blow  
No return  
Weak surface blow dried in 3 min.  
No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>1'</u>	<u>Free oil</u>	<u>100</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>29'</u>	<u>MCO</u>	<u>60</u>	<u>0</u>	<u>40</u>	<u>0</u>
<u>30'</u>	<u>OCM</u>	<u>45</u>	<u>0</u>	<u>55</u>	<u>0</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

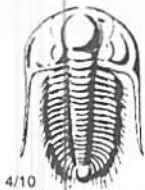
Rec Total 60' BHT 115° Gravity --- API RW --- @ --- °F Chlorides --- ppm

(A) Initial Hydrostatic 2235  Test 1250 T-On Location 08:50  
 (B) First Initial Flow 21  Jars \_\_\_\_\_ T-Started 09:45  
 (C) First Final Flow 32  Safety Joint 75 T-Open 11:50  
 (D) Initial Shut-In 1193  Circ Sub W/C T-Pulled 14:35  
 (E) Second Initial Flow 38  Hourly Standby \_\_\_\_\_ T-Out 17:00  
 (F) Second Final Flow 46  Mileage 4025 62 Comments \_\_\_\_\_  
 (G) Final Shut-In 1168  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2165  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 45  
 Final Flow 30  
 Final Shut-In 60  
 Sub Total 1387  
 Total 1387  
 MP/DST Disc't \_\_\_\_\_

Approved By Terry McLeod 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.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 49216

Well Name & No. Decker #1-8 Test No. #3 Date 6/25/13  
 Company Landmark Resources Elevation 3156 KB 3145 GL  
 Address Kelle S. Voss Rd Ste. 600 Houston, Tx 77057-2641  
 Co. Rep / Geo. Terry McLeod Rig Muifin #22  
 Location: Sec. 8 Twp. 175 Rge. 34w Co. Scott State Ks

Interval Tested 4530 4584 Zone Tested Altamont  
 Anchor Length 54 Drill Pipe Run 4295' Mud Wt. 9.5  
 Top Packer Depth 4525 Drill Collars Run 237' Vis 45  
 Bottom Packer Depth 4530 Wt. Pipe Run --- WL 9.4  
 Total Depth 4584 Chlorides 6000 ppm System LCM #6

Blow Description Weak 1/8" in blow, died in 10 min  
No return

No blow, Flush tool After 10 min, Good Surge, No blow  
No return

Rec	Feet of	%gas	Spots	%oil	%water	%mud
<u>5'</u>	<u>Mud w/o: spots</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 5' BHT 113° Gravity --- API RW --- @ --- ° F Chlorides --- ppm

(A) Initial Hydrostatic 2267  Test 1250 T-On Location 01:50  
 (B) First Initial Flow 20  Jars --- T-Started 02:40  
 (C) First Final Flow 21  Safety Joint 75 T-Open 04:45  
 (D) Initial Shut-In 158  Circ Sub N/C T-Pulled 07:30  
 (E) Second Initial Flow 20  Hourly Standby --- T-Out 09:45  
 (F) Second Final Flow 25  Mileage 40 RT 62  
 (G) Final Shut-In 288  Sampler ---  
 (H) Final Hydrostatic 2154  Straddle ---  
 Shale Packer ---  
 Extra Packer ---  
 Extra Recorder ---  
 Day Standby ---  
 Accessibility ---

Ruined Shale Packer ---  
 Ruined Packer 320

Initial Open 30  Extra Copies ---  
 Initial Shut-In 45 Sub Total 0  
 Final Flow 30 Total 1707  
 Final Shut-In 60 MP/DST Disc't ---  
 Sub Total 1387

Approved By Terry McLeod 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.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 49217

Well Name & No. Decker #1-8 Test No. #4 Date 6/13  
 Company Landmark Resources Elevation 3156 KB 3145 GL  
 Address 1666 S. Voss Rd Ste 600 Houston Tx. 77057-2641  
 Co. Rep / Geo. Terry McLeod Rig Marfin #22  
 Location: Sec. 8 Twp. 17s Rge. 34w Co. Scott State Ks

Interval Tested 4279 4345 Zone Tested J  
 Anchor Length 66 Drill Pipe Run 4047 Mud Wt. 9.4  
 Top Packer Depth 4274 4279 Drill Collars Run 237' Vis 53  
 Bottom Packer Depth 4345 Wt. Pipe Run \_\_\_\_\_ WL 9.3  
 Total Depth 4943 Chlorides 6100 ppm System LCM #3  
 Blow Description B.O.B. @ open  
No return  
B.O.B. in 1min  
No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>300</u>	<u>Feet of mcw</u>			<u>50</u>	<u>50</u>
<u>600</u>	<u>Feet of smcw</u>			<u>85</u>	<u>15</u>
<u>1270</u>	<u>Feet of water</u>			<u>100</u>	
____	Feet of _____				
____	Feet of _____				

Rec Total 2170 BHT 116° Gravity \_\_\_\_\_ API RW .191 @ 84° F Chlorides 29,500 ppm

(A) Initial Hydrostatic <u>2300</u>	<input checked="" type="checkbox"/> Test 1050	T-On Location <u>00:55</u>
(B) First Initial Flow <u>1057</u>	<input checked="" type="checkbox"/> Jars _____	T-Started <u>01:40</u>
(C) First Final Flow <u>1091</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>03:35</u>
(D) Initial Shut-In <u>1244</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>05:05</u>
(E) Second Initial Flow <u>1131</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>08:15</u>
(F) Second Final Flow <u>1188</u>	<input checked="" type="checkbox"/> Mileage <u>40RT</u> <u>62</u>	Comments _____
(G) Final Shut-In <u>1243</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2194</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> Ruined Shale Packer _____
	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer _____
	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>508.33</u>
	<input type="checkbox"/> Day Standby <u>1d 15.25h</u>	Total <u>2545.33</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>2037</u>	

Approved By Terry McLeod 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.

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

July 29, 2013

Jeff Wood  
Landmark Resources, Inc.  
1616 S VOSS RD STE 600  
HOUSTON, TX 77057-2641

Re: ACO1  
API 15-171-20954-00-00  
Decker 1-8  
SE/4 Sec.08-17S-34W  
Scott County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Jeff Wood





PO Box 93999  
Southlake, TX 76092

Voice: (817) 546-7282  
Fax: (817) 246-3361

# INVOICE

Invoice Number: 136902  
Invoice Date: Jun 18, 2013  
Page: 1

<b>Bill To:</b>
Landmark Resources, Inc. 1616 S. Voss Suite 600 Houston, TX 77057-1264

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Land	60331	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Jun 18, 2013	7/18/13

Quantity	Item	Description	Unit Price	Amount
185.00	MAT	Decker #1-8 Class A Common	17.90	3,311.50
4.00	MAT	Gel	23.40	93.60
7.00	MAT	Chloride	64.00	448.00
200.06	SER	Cubic Feet	2.48	496.15
465.63	SER	Ton Mileage	2.60	1,210.64
1.00	SER	Surface	1,512.25	1,512.25
51.00	SER	Pump Truck Mileage	7.70	392.70
1.00	SER	Swedge Manifold Rental	275.00	275.00
51.00	SER	Light Vehicle Mileage	4.40	224.40
1.00	CEMENTER	LaRene Wentz		
1.00	EQUIP OPER	Paul Beaver		
1.00	OPER ASSIST	David Scariano		
			8,284.05 +	
			2,070.70 -	
			000	
			6,213.35 *	
				- TOTAL INV.

ALL PRICES ARE NET, PAYABLE  
30 DAYS FOLLOWING DATE OF  
INVOICE. 1 1/2% CHARGED  
THEREAFTER. IF ACCOUNT IS  
CURRENT, TAKE DISCOUNT OF

\$ 2,070.70

ONLY IF PAID ON OR BEFORE  
Jul 13, 2013

Subtotal	7,964.24
Sales Tax	319.81
Total Invoice Amount	8,284.05
Payment/Credit Applied	
<b>TOTAL</b>	<b>8,284.05</b>

# ALLIED OIL & GAS SERVICES, LLC 060331

P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

Federal Tax I.D. # 20-8651475

SERVICE POINT: Dakley, KS

<u>6-18-13</u>	SEC. <u>8</u>	TWP. <u>17</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION <u>2:00pm</u>	JOB START <u>3:00pm</u>	JOB FINISH <u>3:30 pm</u>
BASE <u>Dacker</u>	WELL# <u>1-8</u>	LOCATION <u>Peace 5 1/2 S, 1 W, 1/2 N, Winto</u>		COUNTY <u>Scott</u>	STATE <u>KS</u>		

CONTRACTOR Murphy 2  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/4 T.D. 226'  
 CASING SIZE 8 5/8 DEPTH 226.54'  
 JOBBING SIZE DEPTH  
 RILL PIPE DEPTH  
 JOG DEPTH  
 RES. MAX MINIMUM  
 EAS. LINE SHOE JOINT  
 EQUIPMENT LEFT IN CSG. 151  
 RFS.  
 SPLACEMENT 13.54' b61  
 EQUIPMENT

OWNER same  
 CEMENT AMOUNT ORDERED 185 sks Com 3% cc 2% gel  
 COMMON 185 sks @ 17.90 3311.50  
 POZMIX @  
 GEL 4 sks @ 23.40 93.60  
 CHLORIDE 2 sks @ 66.00 132.00  
 ASC @  
 @  
 @  
 @  
 @  
 @  
 @

MP TRUCK CEMENTER Lakone E. Wentz  
123/281 HELPER Paul Beaver  
 LK TRUCK  
196/306 DRIVER David Scariano  
 LK TRUCK  
 DRIVER

HANDLING 250.00 sks @ 2.48 620.00  
 MILEAGE 9.13 hrs X 51 X 2.60 1210.64  
 TOTAL 5559.89

REMARKS:  
11x 185 sks cement  
space with water  
cement did circulate

Thank you

ORDER TO: Landmark Resources  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE  
 DEPTH OF JOB  
 PUMP TRUCK CHARGE 1512.25  
 EXTRA FOOTAGE @  
 MILEAGE MHW 51 @ 7.70 392.20  
 MANIFOLD 5 wedge @ 275.00  
 MILU 51 @ 4.40 224.40  
 @  
 TOTAL 2464.35

Allied Oil & Gas Services, LLC.  
 are hereby requested to rent cementing equipment  
 furnish cementer and helper(s) to assist owner or  
 contractor to do work as is listed. The above work was  
 done to satisfaction and supervision of owner agent or  
 contractor. I have read and understand the "GENERAL  
 TERMS AND CONDITIONS" listed on the reverse side.

CONTACT NAME \_\_\_\_\_  
 SIGNATURE Robert W. M

PLUG & FLOAT EQUIPMENT  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_  
 SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES 7,964.24  
 DISCOUNT 2,070.70 IF PAID IN 30 DAYS  
5,893.53 Net.