



## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources, Inc**

1616 S Voss RD STE 600  
Houston TX 77051-2641

ATTN: Terry McLeod

### **Wesseler Trust #1-34**

### **34-16s-34w Scott,KS**

Start Date: 2015.05.17 @ 16:39:00

End Date: 2015.05.17 @ 22:15:00

Job Ticket #: 61578                      DST #: 1

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.05.21 @ 11:38:41



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources, Inc

**34-16s-34w Scott,KS**

1616 S Voss RD STE 600  
Houston TX 77051-2641

**Wesseler Trust #1-34**

Job Ticket: 61578

**DST#: 1**

ATTN: Terry McLeod

Test Start: 2015.05.17 @ 16:39:00

## GENERAL INFORMATION:

Formation: **LKC 'I'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:29:00

Time Test Ended: 22:15:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jace McKinney

Unit No: 75

**Interval: 4272.00 ft (KB) To 4295.00 ft (KB) (TVD)**

Reference Elevations: 3143.00 ft (KB)

Total Depth: 4295.00 ft (KB) (TVD)

3132.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 11.00 ft

**Serial #: 8675**

**Inside**

Press@RunDepth: 26.49 psig @ 4273.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.05.17

End Date:

2015.05.17

Last Calib.:

2015.05.17

Start Time: 16:39:15

End Time:

22:15:00

Time On Btm:

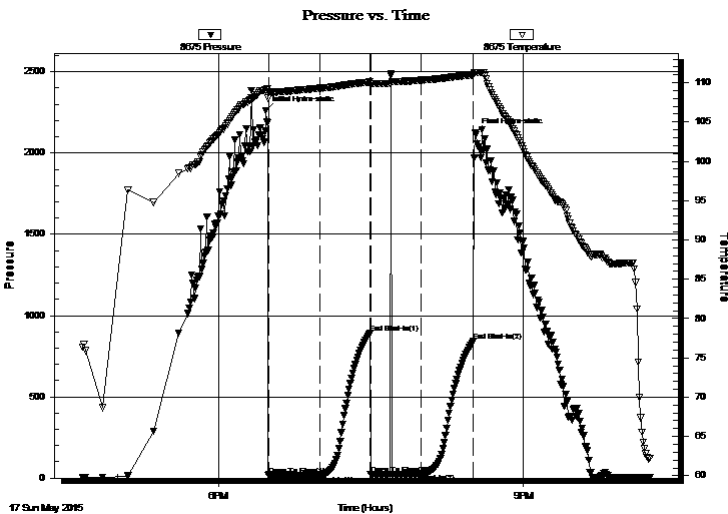
2015.05.17 @ 18:27:30

Time Off Btm:

2015.05.17 @ 20:31:30

**TEST COMMENT:** Weak Surface Blow , Died After 12 Min  
No Return Blow  
No Blow ,Flushed Tool 10 Min Into, Surge Blow  
No Return Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2261.36	109.10	Initial Hydro-static
2	17.70	108.03	Open To Flow (1)
32	20.02	109.30	Shut-In(1)
62	892.35	110.07	End Shut-In(1)
62	21.39	109.67	Open To Flow (2)
92	26.49	110.31	Shut-In(2)
123	840.33	110.97	End Shut-In(2)
124	2124.09	111.30	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	ocm 20%O 80%M	0.15

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Landmark Resources, Inc

**34-16s-34w Scott,KS**

1616 S Voss RD STE 600  
Houston TX 77051-2641

**Wesseler Trust #1-34**

Job Ticket: 61578

**DST#: 1**

ATTN: Terry McLeod

Test Start: 2015.05.17 @ 16:39:00

## Tool Information

Drill Pipe:	Length: 3957.19 ft	Diameter: 3.50 inches	Volume: 47.09 bbl	Tool Weight: 2200.00 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: 306.06 ft	Diameter: 2.25 inches	Volume: 1.51 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 48.60 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.75 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4272.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	45.50 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			4250.50	
Shut In Tool	5.00			4255.50	
Hydraulic tool	5.00			4260.50	
Safety Joint	2.50			4263.00	
Packer	5.00			4268.00	22.50 Bottom Of Top Packer
Packer	4.00			4272.00	
Stubb	1.00			4273.00	
Recorder	0.00	8675	Inside	4273.00	
Recorder	0.00	8650	Outside	4273.00	
perforations	19.00			4292.00	
Change Over Sub	0.00			4292.00	
Drill Pipe	0.00			4292.00	
Change Over Sub	0.00			4292.00	
Bullnose	3.00			4295.00	23.00 Bottom Packers & Anchor

**Total Tool Length: 45.50**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Landmark Resources, Inc

**34-16s-34w Scott,KS**

1616 S Voss RD STE 600  
Houston TX 77051-2641

**Wesseler Trust #1-34**

Job Ticket: 61578

**DST#: 1**

ATTN: Terry McLeod

Test Start: 2015.05.17 @ 16:39:00

## 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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	ocm 20%O 80%M	0.148

Total Length: 30.00 ft      Total Volume: 0.148 bbl

Num Fluid Samples: 0

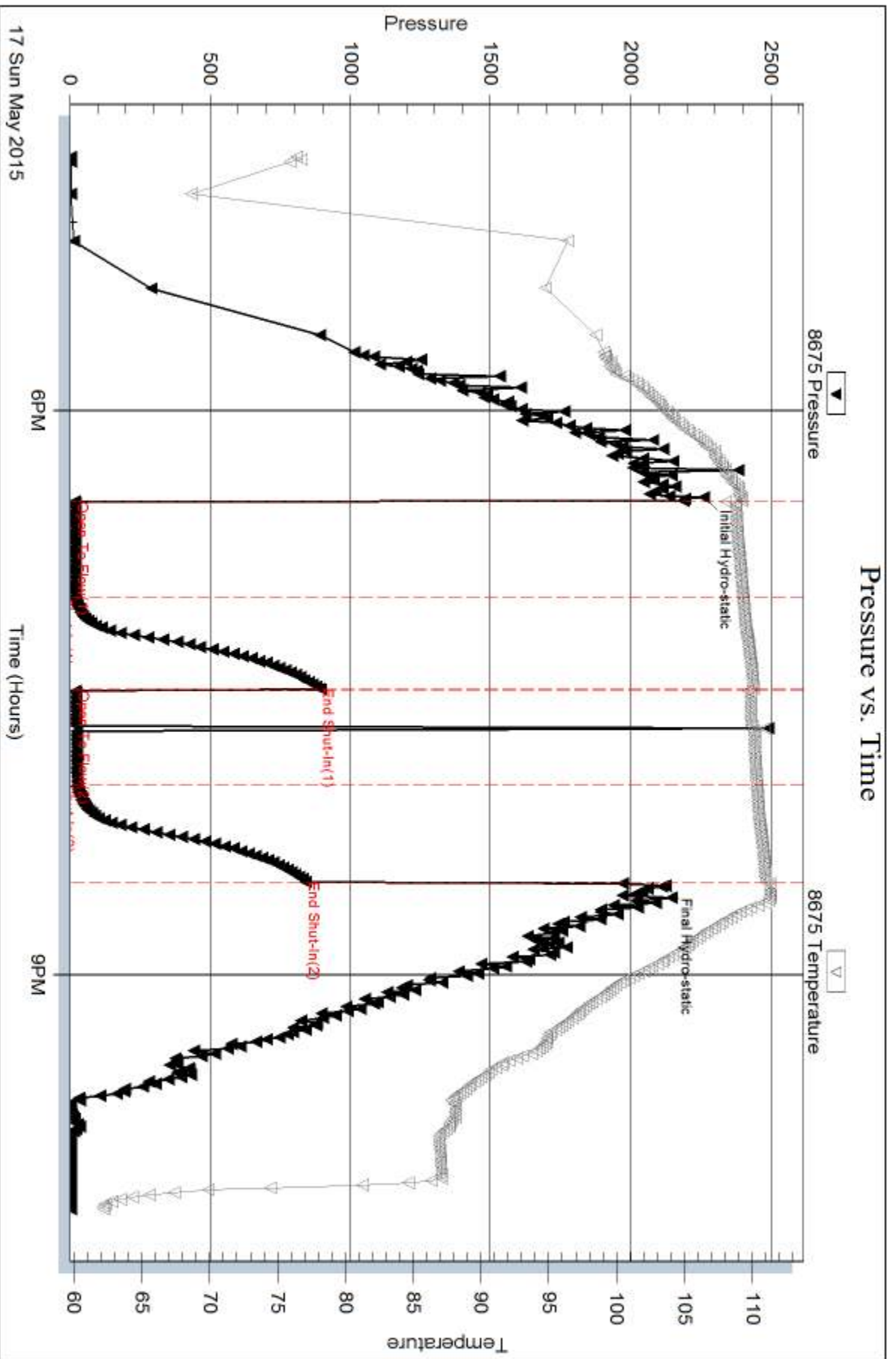
Num Gas Bombs: 0

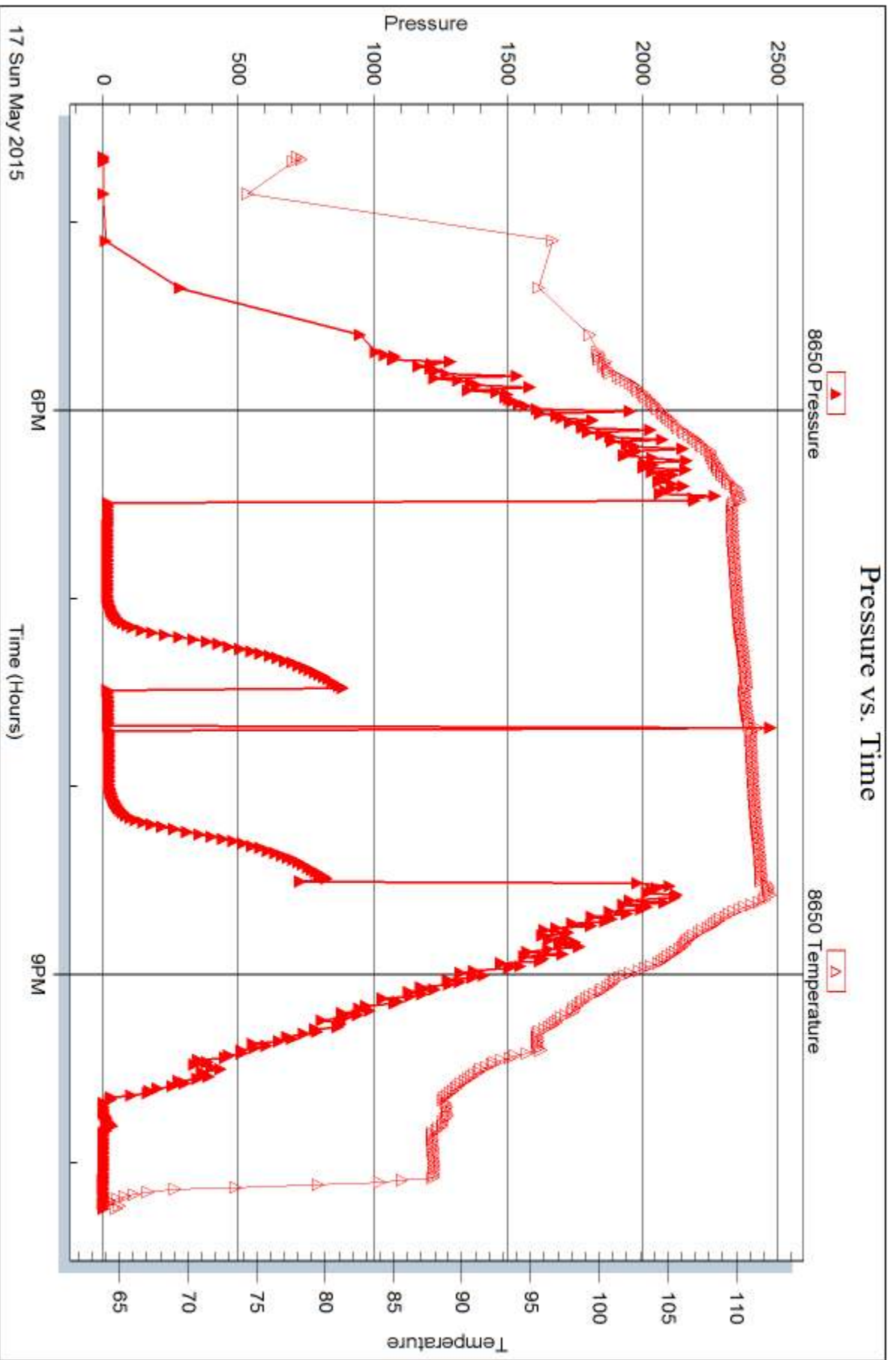
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources, Inc**

1616 S Voss RD STE 600  
Houston TX 77051-2641

ATTN: Terry McLeod

### **Wesseler Trust #1-34**

### **34-16s-34w Scott,KS**

Start Date: 2015.05.18 @ 15:40:00

End Date: 2015.05.19 @ 00:25:30

Job Ticket #: 61579                      DST #: 2

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.05.21 @ 11:38:13

Landmark Resources, Inc

34-16s-34w Scott,KS

Wesseler Trust #1-34

DST # 2

Marmaton

2015.05.18





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Landmark Resources, Inc  
 1616 S Voss RD STE 600  
 Houston TX 77051-2641  
 ATTN: Terry McLeod

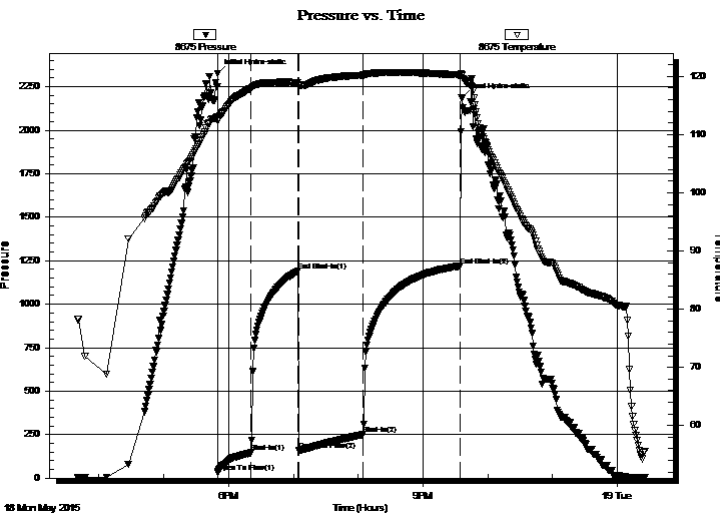
**34-16s-34w Scott, KS**  
**Wesseler Trust #1-34**  
 Job Ticket: 61579 **DST#: 2**  
 Test Start: 2015.05.18 @ 15:40:00

## GENERAL INFORMATION:

Formation: **Marmaton**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 17:50:00  
 Time Test Ended: 00:25:30  
 Interval: **4472.00 ft (KB) To 4495.00 ft (KB) (TVD)**  
 Total Depth: 4495.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Poor  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Jace McKinney  
 Unit No: 75  
 Reference Elevations: 3143.00 ft (KB)  
 3132.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8675 Inside**  
 Press@RunDepth: 250.87 psig @ 4473.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2015.05.18 End Date: 2015.05.19 Last Calib.: 2015.05.18  
 Start Time: 15:40:15 End Time: 00:25:30 Time On Btm: 2015.05.18 @ 17:49:45  
 Time Off Btm: 2015.05.18 @ 21:36:00

**TEST COMMENT:** B.O.B. in 11 min.  
 Bled off for 5 min, Built to 3 1/2" return blow  
 B.O.B. in 9 min.  
 Bled off for 5 min, Built to 6 1/2" return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2327.10	113.14	Initial Hydro-static
1	31.18	112.32	Open To Flow (1)
31	146.50	117.98	Shut-In(1)
75	1191.37	118.97	End Shut-In(1)
76	159.66	118.53	Open To Flow (2)
135	250.87	120.21	Shut-In(2)
225	1219.84	120.22	End Shut-In(2)
227	2188.61	120.31	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
306.00	gco 10%G 90%O	1.50
189.00	gco 30%G 70%O	2.25
189.00	gco 50%G 50%O	2.25
0.00	378 Feet gas In pipe	0.00

\* 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, Inc

**34-16s-34w Scott,KS**

1616 S Voss RD STE 600  
Houston TX 77051-2641

**Wesseler Trust #1-34**

Job Ticket: 61579

**DST#: 2**

ATTN: Terry McLeod

Test Start: 2015.05.18 @ 15:40:00

## Tool Information

Drill Pipe:	Length: 4175.78 ft	Diameter: 3.50 inches	Volume: 49.69 bbl	Tool Weight: 2200.00 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: 306.06 ft	Diameter: 2.25 inches	Volume: 1.51 bbl	Weight to Pull Loose: 104000.0 lb
			<u>Total Volume: 51.20 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.34 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4472.00 ft			Final 84000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	45.50 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			4450.50	
Shut In Tool	5.00			4455.50	
Hydraulic tool	5.00			4460.50	
Safety Joint	2.50			4463.00	
Packer	5.00			4468.00	22.50 Bottom Of Top Packer
Packer	4.00			4472.00	
Stubb	1.00			4473.00	
Recorder	0.00	8675	Inside	4473.00	
Recorder	0.00	8650	Outside	4473.00	
perforations	19.00			4492.00	
Change Over Sub	0.00			4492.00	
Drill Pipe	0.00			4492.00	
Change Over Sub	0.00			4492.00	
Bullnose	3.00			4495.00	23.00 Bottom Packers & Anchor

**Total Tool Length: 45.50**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Landmark Resources, Inc

**34-16s-34w Scott,KS**

1616 S Voss RD STE 600  
Houston TX 77051-2641

**Wesseler Trust #1-34**

Job Ticket: 61579

**DST#: 2**

ATTN: Terry McLeod

Test Start: 2015.05.18 @ 15:40:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4400.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
306.00	gco 10%G 90%O	1.505
189.00	gco 30%G 70%O	2.249
189.00	gco 50%G 50%O	2.249
0.00	378 Feet gas In pipe	0.000

Total Length: 684.00 ft      Total Volume: 6.003 bbl

Num Fluid Samples: 0

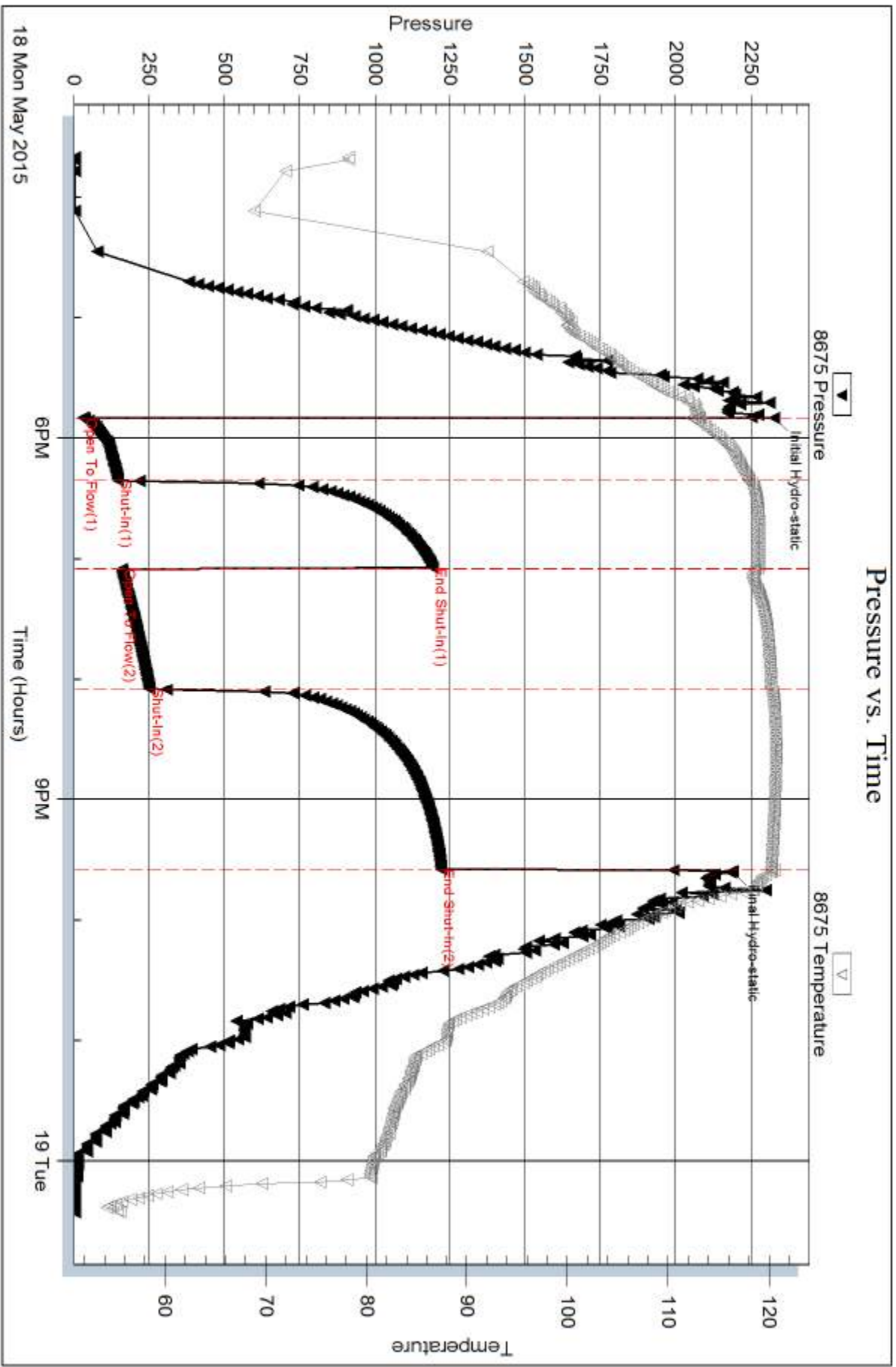
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: 29 @ 50 F = 30

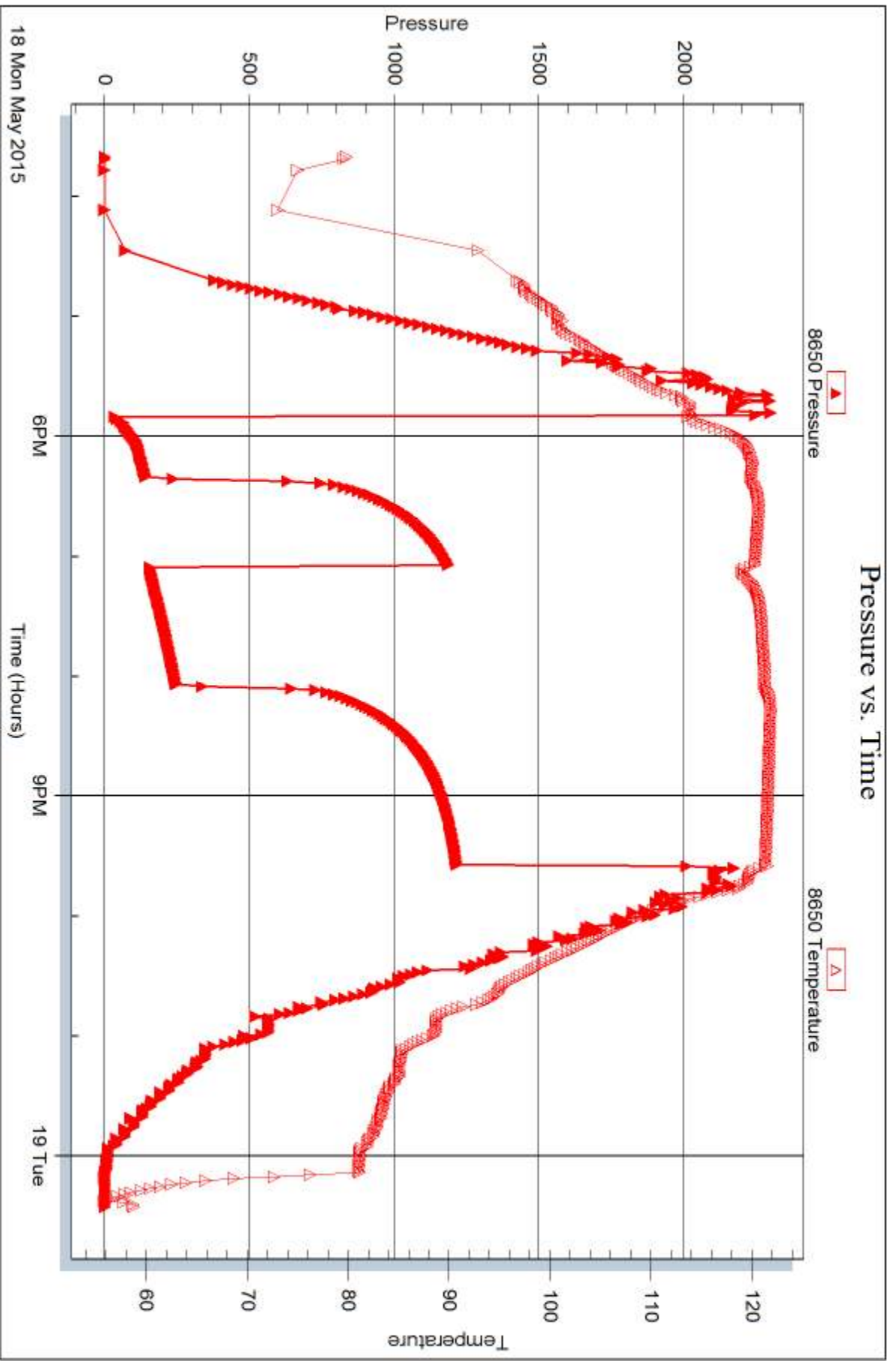


Serial #: 8650

Outside Landmark Resources, Inc

Wesseler Trust #1-34

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 61579

Printed: 2015.05.21 @ 11:38:15



## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources, Inc**

1616 S Voss RD STE 600  
Houston TX 77051-2641

ATTN: Terry McLeod

### **Wesseler Trust #1-34**

### **34-16s-34w Scott,KS**

Start Date: 2015.05.19 @ 09:40:00

End Date: 2015.05.19 @ 17:48:30

Job Ticket #: 61580                      DST #: 3

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.05.21 @ 11:32:54

Landmark Resources, Inc

34-16s-34w Scott,KS

Wesseler Trust #1-34

DST # 3

Altamont

2015.05.19



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources, Inc  
 1616 S Voss RD STE 600  
 Houston TX 77051-2641  
 ATTN: Terry McLeod

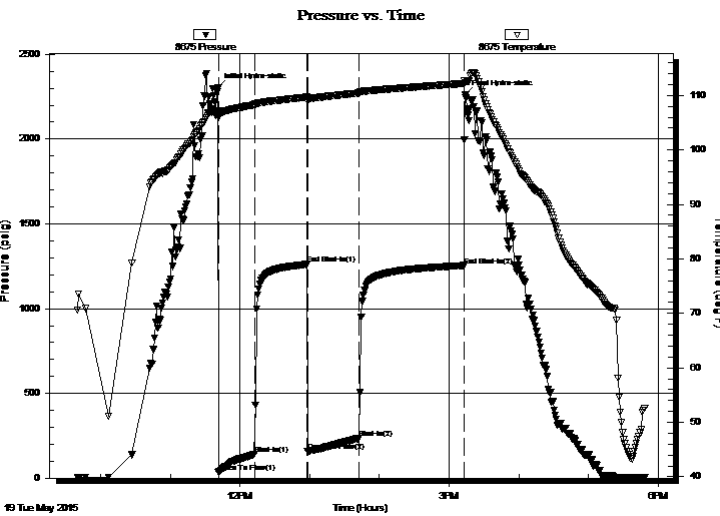
**34-16s-34w Scott,KS**  
**Wesseler Trust #1-34**  
 Job Ticket: 61580 **DST#: 3**  
 Test Start: 2015.05.19 @ 09:40:00

## GENERAL INFORMATION:

Formation: **Altamont**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 11:41:15 Tester: Jace McKinney  
 Time Test Ended: 17:48:30 Unit No: 75  
 Interval: **4497.00 ft (KB) To 4545.00 ft (KB) (TVD)** Reference Elevations: 3143.00 ft (KB)  
 Total Depth: 4545.00 ft (KB) (TVD) 3132.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 11.00 ft

**Serial #: 8675 Inside**  
 Press@RunDepth: 235.12 psig @ 4498.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2015.05.19 End Date: 2015.05.19 Last Calib.: 2015.05.19  
 Start Time: 09:40:15 End Time: 17:48:30 Time On Btm: 2015.05.19 @ 11:41:00  
 Time Off Btm: 2015.05.19 @ 15:14:00

**TEST COMMENT:** B.O.B. in 9 1/2 min.  
 Bled off for 5 min, No return blow  
 B.O.B. in 28 min.  
 Bled off for 5 min, Built to 2" return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2301.32	107.20	Initial Hydro-static
1	32.13	105.94	Open To Flow (1)
32	140.81	108.26	Shut-In(1)
77	1261.43	109.68	End Shut-In(1)
77	160.32	108.89	Open To Flow (2)
122	235.12	110.44	Shut-In(2)
212	1254.26	112.18	End Shut-In(2)
213	2262.31	112.32	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
122.00	gcmo 20%G 30%M 50%O	0.60
310.00	gco 30%G 70%O	2.40
189.00	gco 10%G 90%O	2.25
0.00	945 Feet Weak Gas In Pipe	0.00

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources, Inc  
 1616 S Voss RD STE 600  
 Houston TX 77051-2641  
 ATTN: Terry McLeod

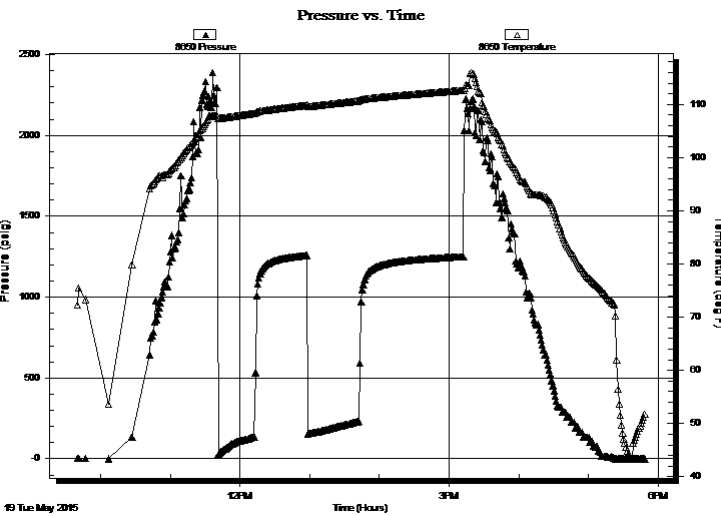
**34-16s-34w Scott,KS**  
**Wesseler Trust #1-34**  
 Job Ticket: 61580 **DST#: 3**  
 Test Start: 2015.05.19 @ 09:40:00

## GENERAL INFORMATION:

Formation: **Altamont**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 11:41:15  
 Time Test Ended: 17:48:30  
 Interval: **4497.00 ft (KB) To 4545.00 ft (KB) (TVD)**  
 Total Depth: 4545.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Poor  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Jace McKinney  
 Unit No: 75  
 Reference Elevations: 3143.00 ft (KB)  
 3132.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8650 Outside**  
 Press@RunDepth: psig @ 4498.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2015.05.19 End Date: 2015.05.19 Last Calib.: 2015.05.19  
 Start Time: 09:40:15 End Time: 17:48:15 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** B.O.B. in 9 1/2 min.  
 Bled off for 5 min, No return blow  
 B.O.B. in 28 min.  
 Bled off for 5 min, Built to 2" return blow



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
122.00	gcmo 20%G 30%M 50%O	0.60
310.00	gco 30%G 70%O	2.40
189.00	gco 10%G 90%O	2.25
0.00	945 Feet Weak Gas In Pipe	0.00

\* 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, Inc

**34-16s-34w Scott,KS**

1616 S Voss RD STE 600  
Houston TX 77051-2641

**Wesseler Trust #1-34**

Job Ticket: 61580

**DST#: 3**

ATTN: Terry McLeod

Test Start: 2015.05.19 @ 09:40:00

## Tool Information

Drill Pipe:	Length: 4176.02 ft	Diameter: 3.50 inches	Volume: 49.69 bbl	Tool Weight: 2200.00 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: 306.06 ft	Diameter: 2.25 inches	Volume: 1.51 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 51.20 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.58 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	4497.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.00 ft			
Tool Length:	70.50 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			4475.50	
Shut In Tool	5.00			4480.50	
Hydraulic tool	5.00			4485.50	
Safety Joint	2.50			4488.00	
Packer	5.00			4493.00	22.50 Bottom Of Top Packer
Packer	4.00			4497.00	
Stubb	1.00			4498.00	
Recorder	0.00	8675	Inside	4498.00	
Recorder	0.00	8650	Outside	4498.00	
perforations	11.00			4509.00	
Change Over Sub	1.00			4510.00	
Drill Pipe	31.00			4541.00	
Change Over Sub	1.00			4542.00	
Bullnose	3.00			4545.00	48.00 Bottom Packers & Anchor

**Total Tool Length: 70.50**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Landmark Resources, Inc

**34-16s-34w Scott,KS**

1616 S Voss RD STE 600  
Houston TX 77051-2641

**Wesseler Trust #1-34**

Job Ticket: 61580

**DST#: 3**

ATTN: Terry McLeod

Test Start: 2015.05.19 @ 09:40:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

32 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5600.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
122.00	gcmo 20%G 30%M 50%O	0.600
310.00	gco 30%G 70%O	2.404
189.00	gco 10%G 90%O	2.249
0.00	945 Feet Weak Gas In Pipe	0.000

Total Length: 621.00 ft      Total Volume: 5.253 bbl

Num Fluid Samples: 0

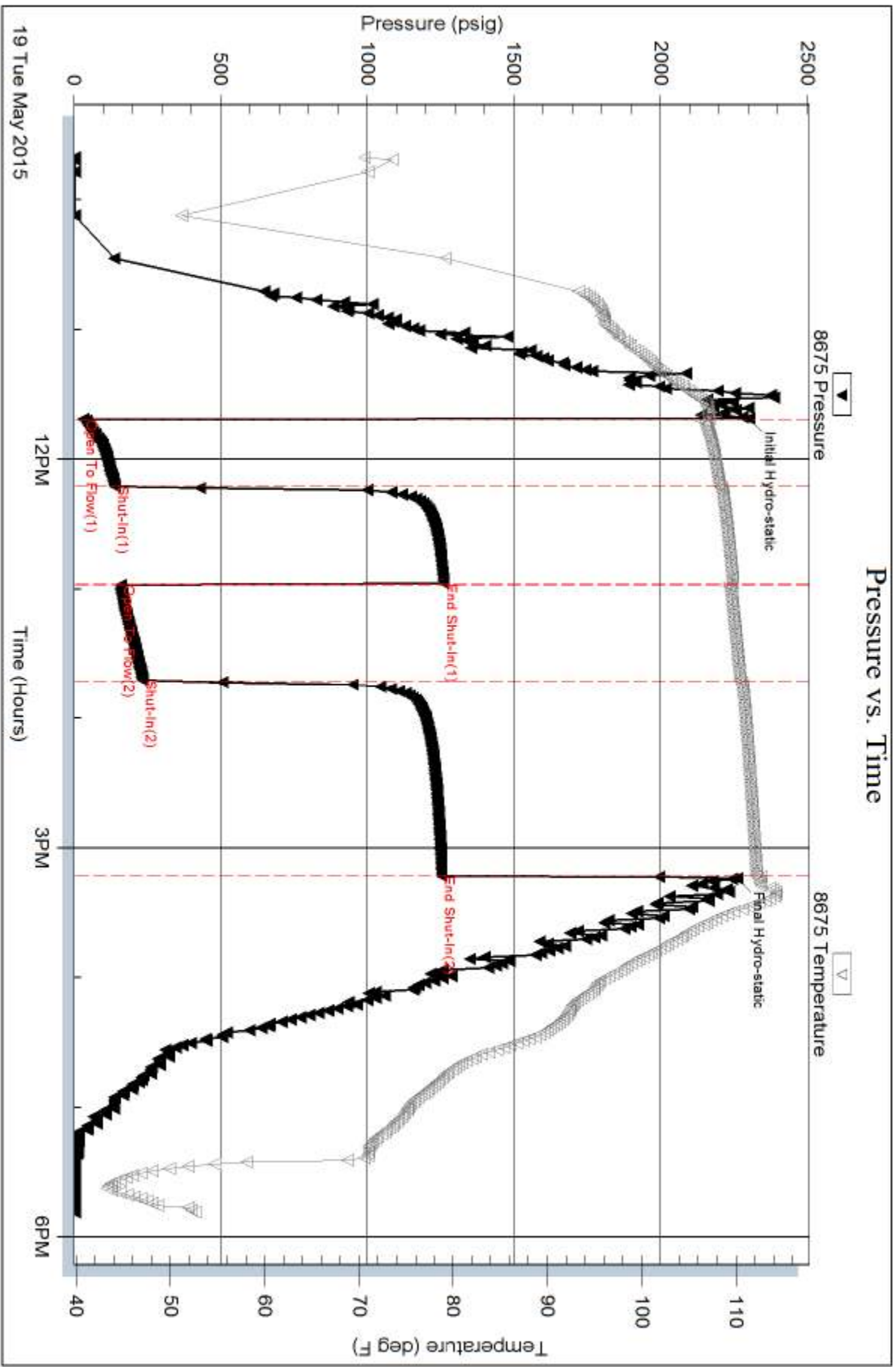
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: 30 @ 40 F = 32

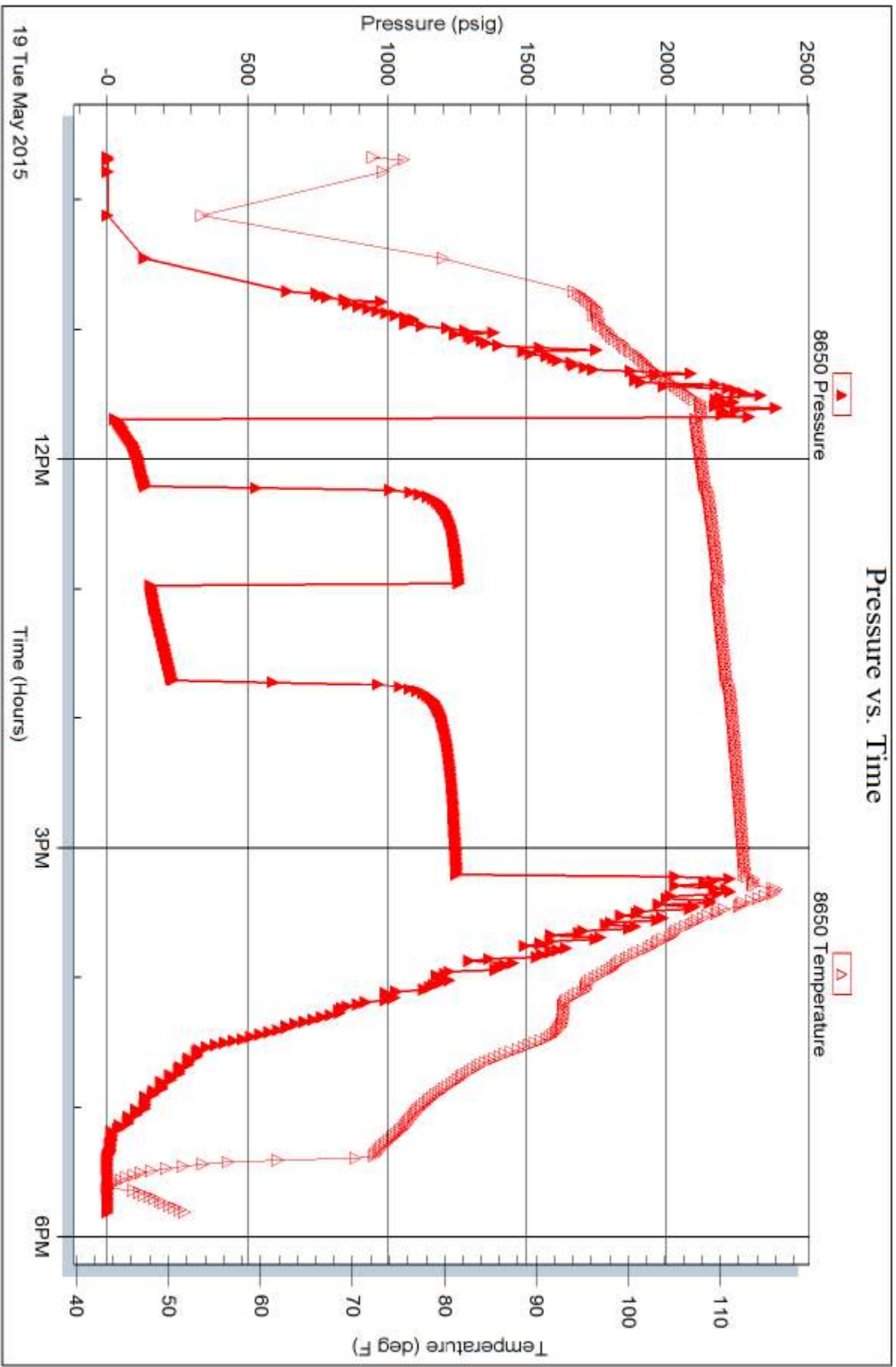


Serial #: 8650

Outside Landmark Resources, Inc

Wesseler Trust #1-34

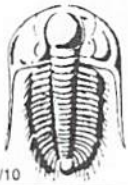
DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 61580

Printed: 2015.05.21 @ 11:32:56



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61578

Well Name & No. Wessex Trust 1-34 Test No. 1 Date 5/17/15  
 Company Landmark Resources, Inc Elevation 3143 KB 3132 GL  
 Address 11016 S Voss Rd, STE 600, Houston TX 77061-2641  
 Co. Rep / Geo. Terry McLeod Rig Martin Rig 21  
 Location: Sec. 34 Twp. 16S Rge. 34W Co. Scott County State KS

Interval Tested 4272-4295 Zone Tested Kansas City 'I'  
 Anchor Length 23 Drill Pipe Run 3957.19 Mud Wt. 9.3  
 Top Packer Depth 4268 Drill Collars Run 306.06 Vis 58  
 Bottom Packer Depth 4272 Wt. Pipe Run \_\_\_\_\_ WL 8.0  
 Total Depth 4295 Chlorides 3,000 ppm System LCM 2#

Blow Description Weak Surface Blow, Diced After 30 Min.  
No Return Blow  
No Blow, Flushed Tool 10 min Into, Surge Blow  
No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>OCM</u>	<u>20</u>		<u>80</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 111 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

- (A) Initial Hydrostatic 2,261
- (B) First Initial Flow 18
- (C) First Final Flow 20
- (D) Initial Shut-In 892
- (E) Second Initial Flow 21
- (F) Second Final Flow 26
- (G) Final Shut-In 840
- (H) Final Hydrostatic 2,124

- Test 1150
- Jars \_\_\_\_\_
- Safety Joint 75
- Circ Sub N/C
- Hourly Standby \_\_\_\_\_
- Mileage 50 RT 43
- Sampler \_\_\_\_\_
- Straddle \_\_\_\_\_
- Shale Packer 250
- Extra Packer \_\_\_\_\_
- Extra Recorder \_\_\_\_\_
- Day Standby \_\_\_\_\_
- Accessibility \_\_\_\_\_
- Sub Total 1518

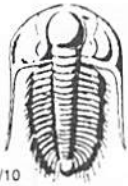
T-On Location 15:00  
 T-Started 16:39  
 T-Open 18:29  
 T-Pulled 20:29  
 T-Out 22:15  
 Comments \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Sub Total 0  
 Total 1518  
 MP/DST Disc't \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 30  
 Final Shut-In 30

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.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61579

Well Name & No. Wesseler Trust # 1-34 Test No. 2 Date 5/18/16  
 Company Landmark Resources, Inc Elevation 3143 KB 3132 GL  
 Address 11616 S Voss Rd, STE 600, Houston TX 77061-2641  
 Co. Rep / Geo. Terry McLead Rig Martin Rig 21  
 Location: Sec. 34 Twp. 16S Rge. 34W Co. Scott County State KS

Interval Tested 4472-4495 Zone Tested Marmaton  
 Anchor Length 23 Drill Pipe Run 4175.78 Mud Wt. 9.4  
 Top Packer Depth 4468 Drill Collars Run 306.06 Vis 52  
 Bottom Packer Depth 4472 Wt. Pipe Run \_\_\_\_\_ WL 8.8  
 Total Depth 4495 Chlorides 4,400 ppm System LCM 3#

Blow Description B.O.B. in 11 min.  
Bled off for 5 min. Built to 3'2" return below

B.O.B. in 9 min.  
Bled off for 5 min. Built to 6'2" return below

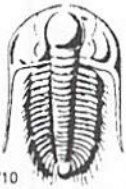
Rec	Feet of	Feet Gas In Pipe	%gas	%oil	%water	%mud
<u>0</u>	<u>378</u>					
<u>189</u>	<u>600</u>		<u>50</u>	<u>50</u>		
<u>189</u>	<u>600</u>		<u>30</u>	<u>70</u>		
<u>306</u>	<u>600</u>		<u>10</u>	<u>90</u>		

Rec Total 684 BHT 120 Gravity 30 API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2,327  Test 1150 T-On Location 14:45  
 (B) First Initial Flow 31  Jars \_\_\_\_\_ T-Started 15:40  
 (C) First Final Flow 147  Safety Joint 75 T-Open 17:50  
 (D) Initial Shut-In 1,191  Circ Sub N/C T-Pulled 21:35  
 (E) Second Initial Flow 160  Hourly Standby \_\_\_\_\_ T-Out 00:25  
 (F) Second Final Flow 251  Mileage SORT 43 Comments \_\_\_\_\_  
 (G) Final Shut-In 1,220  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2,187  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer 250  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 415  Day Standby \_\_\_\_\_ Total 1518  
 Final Flow 600  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 910 Sub Total 1518

Approved By \_\_\_\_\_ Our Representative [Signature]

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61580

Well Name & No. Wesseler Trust # 1-34 Test No. 3 Date 5/19/15  
 Company Landmark Resources, Inc Elevation 3143 KB 3132 GL  
 Address 11616 S Voss RD, STE 600, Houston TX 77051-2641  
 Co. Rep / Geo. Terry McLeod Rig Murfin Rig 21  
 Location: Sec. 34 Twp. 1605 Rge. 34W Co. Scott County State K5

Interval Tested 4497-4545 Zone Tested Altamont - Marmaton  
 Anchor Length 48 Drill Pipe Run 4176.02 Mud Wt. 9.3  
 Top Packer Depth 4493 Drill Collars Run 306.06 Vis 62  
 Bottom Packer Depth 4497 Wt. Pipe Run \_\_\_\_\_ WL 8.0  
 Total Depth 4545 Chlorides 5,600 ppm System LCM 3#

Blow Description B.O.B. in 9 1/2 min.  
Bled off for 5 min. No return below  
B.O.B. in 28 min.  
Bled off for 5 min. Built to 2" return below

Rec	Feet of	%gas	%oil	%water	%mud
<u>0</u>	<u>945 Feet Weak Gas In Pipe</u>				
<u>189</u>	<u>900</u>	<u>10%</u>	<u>90%</u>		
<u>310</u>	<u>900</u>	<u>30%</u>	<u>70%</u>		
<u>122</u>	<u>900</u>	<u>20%</u>	<u>50%</u>		<u>30%</u>

Rec Total 621 BHT 112 Gravity 32 API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm  
 Test 1150  
 Jars \_\_\_\_\_  
 Safety Joint 75  
 Circ Sub 55 RT N/C  
 Hourly Standby \_\_\_\_\_  
 Mileage 55 RT X 2  
 Sampler 43+43  
 Straddle \_\_\_\_\_  
 Shale Packer 250  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1561

T-On Location 08:40  
 T-Started 09:40  
 T-Open 11:41  
 T-Pulled 15:11  
 T-Out 17:48  
 Comments \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Sub Total 0  
 Total 1561  
 MP/DST Disc't \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 45  
 Final Flow 65  
 Final Shut-In 90

Approved By \_\_\_\_\_ Our Representative [Signature]

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