



DRILL STEM TEST REPORT

Prepared For: **Landmark Resources, Inc.**

1616 S. Voss Rd. Suite 600
Houston, TX 77057

ATTN: Terry McLeod

Rose #2-3

3-17s-34w Scott,KS

Start Date: 2013.11.04 @ 16:38:00

End Date: 2013.11.05 @ 01:16:30

Job Ticket #: 55542 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.11.08 @ 08:58:32



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Landmark Resources, Inc.

3-17s-34w Scott,KS

1616 S. Voss Rd. Suite 600
Houston, TX 77057

Rose #2-3

Job Ticket: 55542

DST#: 1

ATTN: Terry McLeod

Test Start: 2013.11.04 @ 16:38:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:32:50

Time Test Ended: 01:16:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Smith

Unit No: 62

Interval: 4478.00 ft (KB) To 4490.00 ft (KB) (TVD)

Reference Elevations: 3137.00 ft (KB)

Total Depth: 4490.00 ft (KB) (TVD)

3126.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 6741

Inside

Press @ Run Depth: 265.22 psig @ 4487.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.04

End Date:

2013.11.05

Last Calib.: 2013.11.05

Start Time: 16:38:02

End Time:

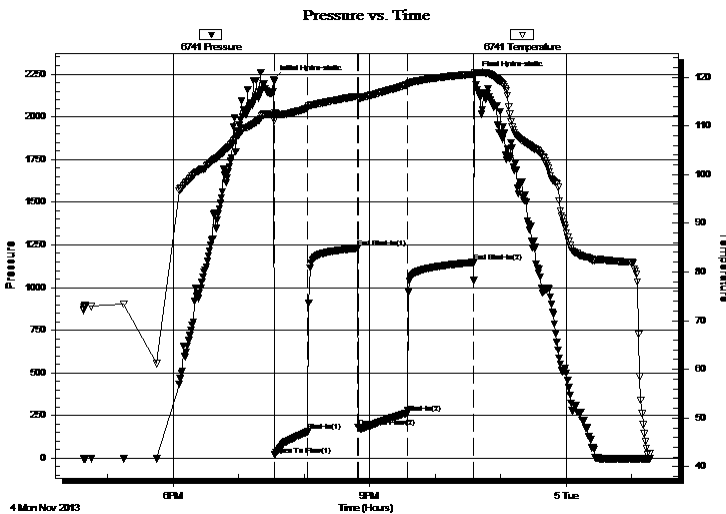
01:16:30

Time On Btm: 2013.11.04 @ 19:31:50

Time Off Btm: 2013.11.04 @ 22:36:20

TEST COMMENT: B.O.B. @ 11 min.
B.O.B. @ 27 min.
B.O.B. @ 12 min.
B.O.B. @ 42 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2219.02	112.30	Initial Hydro-static
1	20.86	111.03	Open To Flow (1)
32	155.79	113.64	Shut-In(1)
77	1229.70	116.08	End Shut-In(1)
78	180.50	115.68	Open To Flow (2)
123	265.22	118.39	Shut-In(2)
184	1147.49	120.58	End Shut-In(2)
185	2240.96	120.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	GO 15g 85o	1.22
248.00	GO 20g 80o	3.19
112.00	GO 30g 70o	1.57
0.00	560' Weak GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Landmark Resources, Inc.

3-17s-34w Scott,KS

1616 S. Voss Rd. Suite 600
Houston, TX 77057

Rose #2-3

Job Ticket: 55542

DST#: 1

ATTN: Terry McLeod

Test Start: 2013.11.04 @ 16:38:00

Tool Information

Drill Pipe:	Length: 4209.00 ft	Diameter: 3.80 inches	Volume: 59.04 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 280.00 ft	Diameter: 2.25 inches	Volume: 1.38 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 60.42 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.50 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	4478.00 ft			Final 77000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	34.50 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			4456.50	
Shut In Tool	5.00			4461.50	
Hydraulic tool	5.00			4466.50	
Safety Joint	2.50			4469.00	
Packer	5.00			4474.00	22.50 Bottom Of Top Packer
Packer	4.00			4478.00	
Stubb	1.00			4479.00	
Perforations	8.00			4487.00	
Recorder	0.00	6741	Inside	4487.00	
Recorder	0.00	6751	Outside	4487.00	
Bullnose	3.00			4490.00	12.00 Bottom Packers & Anchor

Total Tool Length: 34.50



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources, Inc.

3-17s-34w Scott,KS

1616 S. Voss Rd. Suite 600
Houston, TX 77057

Rose #2-3

Job Ticket: 55542

DST#: 1

ATTN: Terry McLeod

Test Start: 2013.11.04 @ 16:38:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

29 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.78 in³

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 bbbl
248.00	GO 15g 85o	1.220
248.00	GO 20g 80o	3.187
112.00	GO 30g 70o	1.571
0.00	560' Weak GIP	0.000

Total Length: ft Total Volume: 6.848 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 27 @ 40 Degrees F = 29.

Serial #: 6741

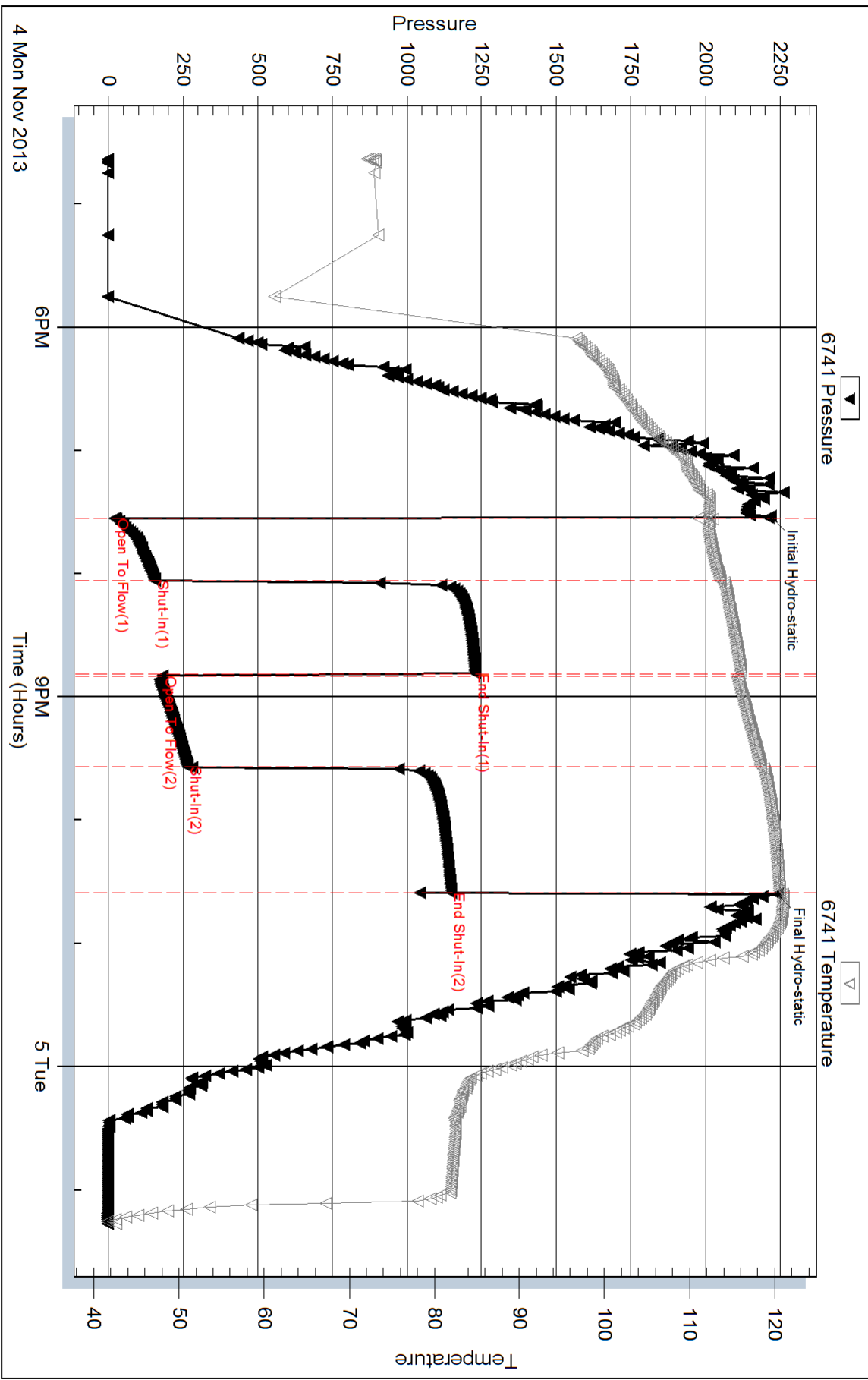
Inside

Landmark Resources, Inc.

Rose #2-3

DST Test Number: 1

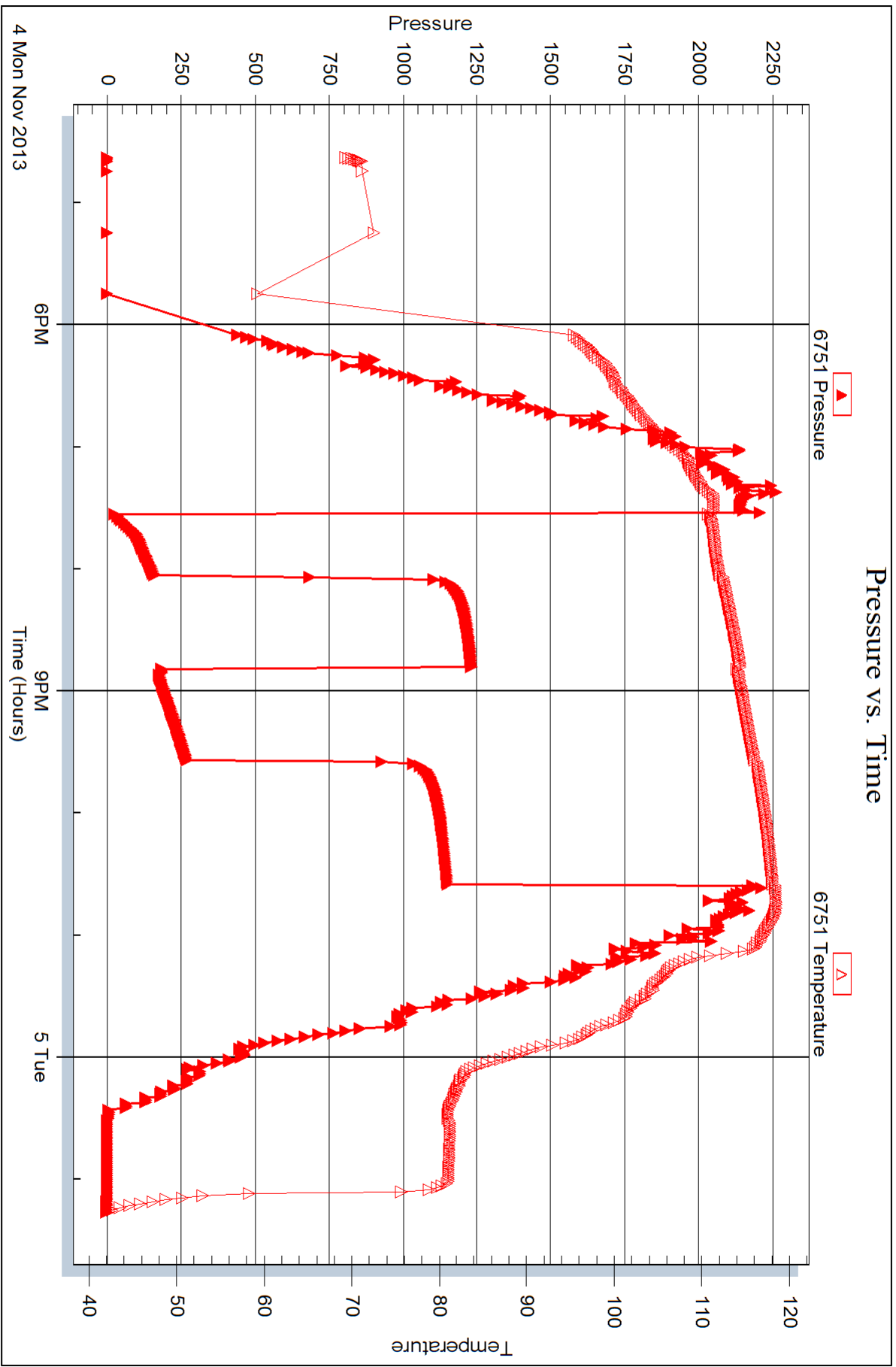
Pressure vs. Time



Triobite Testing, Inc

Ref. No: 55542

Printed: 2013.11.08 @ 08:58:34





DRILL STEM TEST REPORT

Prepared For: **Landmark Resources, Inc.**

1616 S. Voss Rd. Suite 600
Houston, TX 77057

ATTN: Terry McLeod

Rose #2-3

3-17s-34w Scott,KS

Start Date: 2013.11.05 @ 08:24:00

End Date: 2013.11.05 @ 18:14:30

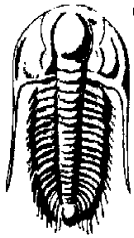
Job Ticket #: 55543 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Landmark Resources, Inc.

3-17s-34w Scott,KS

1616 S. Voss Rd. Suite 600
Houston, TX 77057

Rose #2-3

ATTN: Terry McLeod

Job Ticket: 55543

DST#: 2

Test Start: 2013.11.05 @ 08:24:00

GENERAL INFORMATION:

Formation: **Altamont**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:42:10

Time Test Ended: 18:14:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 62

Interval: 4494.00 ft (KB) To 4525.00 ft (KB) (TVD)

Total Depth: 4525.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3137.00 ft (KB)

3126.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6741 Inside

Press @ Run Depth: 833.05 psig @ 4522.00 ft (KB)

Start Date: 2013.11.05

End Date:

2013.11.05

Start Time: 08:24:02

End Time:

18:14:30

Capacity: 8000.00 psig

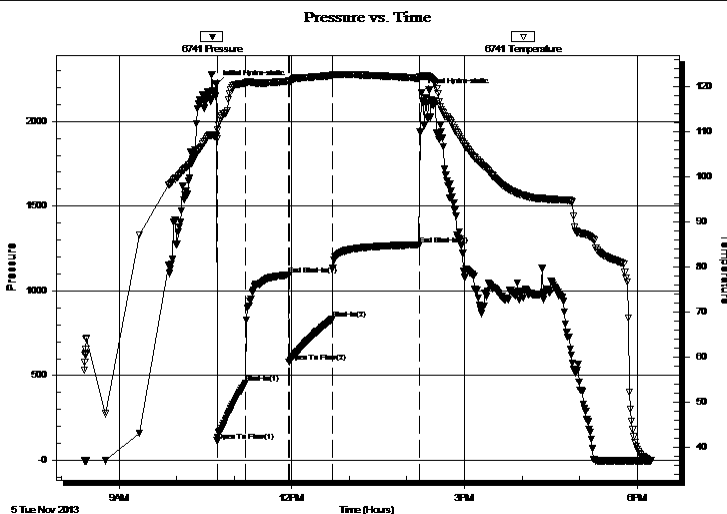
Last Calib.: 2013.11.05

Time On Btm: 2013.11.05 @ 10:41:00

Time Off Btm: 2013.11.05 @ 14:14:50

TEST COMMENT: B.O.B. @ 2 min.
B.O.B. @ 7 1/2 min.
B.O.B. @ 3 1/2 min.
B.O.B. @ 18 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2216.75	108.90	Initial Hydro-static
2	115.28	108.35	Open To Flow (1)
31	455.60	120.66	Shut-In(1)
76	1094.06	121.11	End Shut-In(1)
77	581.65	120.87	Open To Flow (2)
121	833.05	122.32	Shut-In(2)
212	1272.02	121.79	End Shut-In(2)
214	2167.38	122.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1815' GIP	0.00
62.00	GMCO 10g 25m 65o	0.30
62.00	GO 30g 70o	0.30
1805.00	GO 30g 65o Circulated out	23.90
124.00	GO 15g 85o	1.74
108.00	GO 30g 70o	1.51

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, Inc.

3-17s-34w Scott,KS

1616 S. Voss Rd. Suite 600
Houston, TX 77057

Rose #2-3

Job Ticket: 55543

DST#: 2

ATTN: Terry McLeod

Test Start: 2013.11.05 @ 08:24:00

Tool Information

Drill Pipe:	Length: 4206.00 ft	Diameter: 3.80 inches	Volume: 59.00 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 280.00 ft	Diameter: 2.25 inches	Volume: 1.38 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 60.38 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.50 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	4494.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	53.50 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			4472.50	
Shut In Tool	5.00			4477.50	
Hydraulic tool	5.00			4482.50	
Safety Joint	2.50			4485.00	
Packer	5.00			4490.00	22.50 Bottom Of Top Packer
Packer	4.00			4494.00	
Stubb	1.00			4495.00	
Perforations	27.00			4522.00	
Recorder	0.00	6741	Inside	4522.00	
Recorder	0.00	6751	Outside	4522.00	
Bullnose	3.00			4525.00	31.00 Bottom Packers & Anchor

Total Tool Length: 53.50



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DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources, Inc.

3-17s-34w Scott,KS

1616 S. Voss Rd. Suite 600
Houston, TX 77057

Rose #2-3

Job Ticket: 55543

DST#: 2

ATTN: Terry McLeod

Test Start: 2013.11.05 @ 08:24:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	1815' GIP	0.000
62.00	GMCO 10g 25m 65o	0.305
62.00	GO 30g 70o	0.305
1805.00	GO 30g 65o Circulated out	23.898
124.00	GO 15g 85o	1.739
108.00	GO 30g 70o	1.515

Total Length: 2161.00 ft Total Volume: 27.762 bbl

Num Fluid Samples: 0

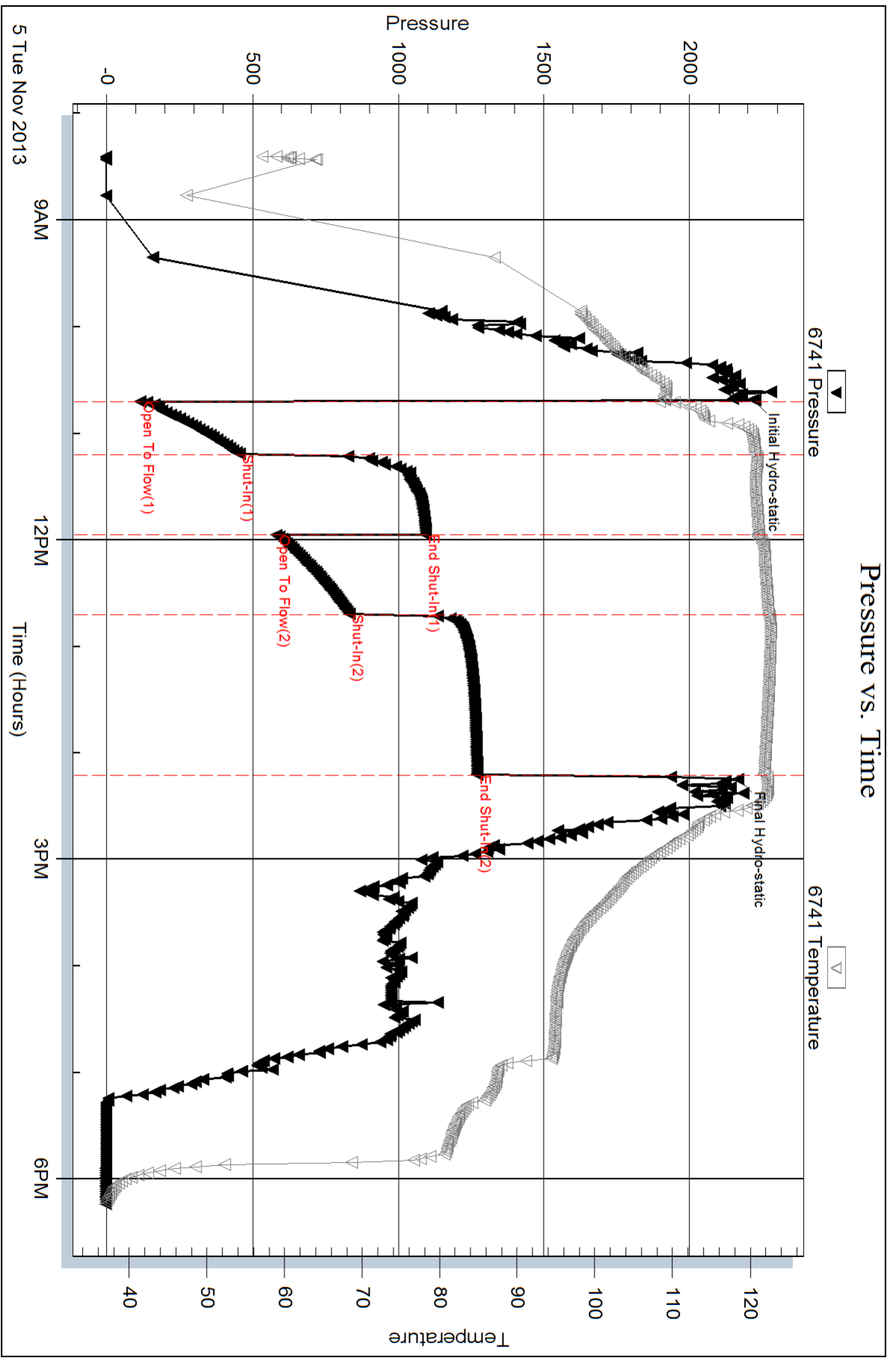
Num Gas Bombs: 0

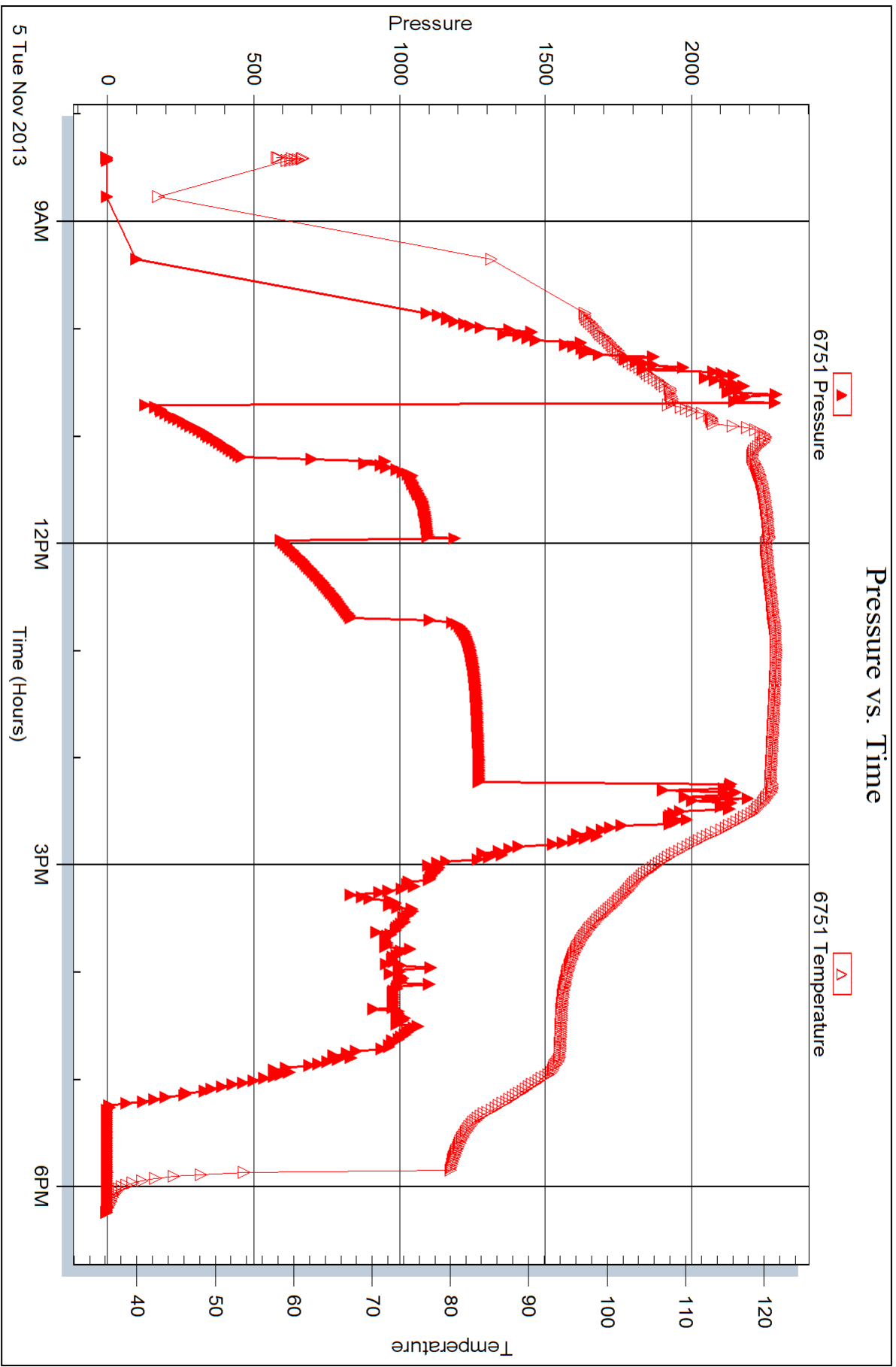
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 29 @ 40 Degrees F = 31.







DRILL STEM TEST REPORT

Prepared For: **Landmark Resources, Inc.**

1616 S. Voss Rd. Suite 600
Houston, TX 77057

ATTN: Terry McLeod

Rose #2-3

3-17s-34w Scott,KS

Start Date: 2013.11.06 @ 18:42:00

End Date: 2013.11.07 @ 02:57:50

Job Ticket #: 55544 DST #: 3

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

Printed: 2013.11.08 @ 08:57:32



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Landmark Resources, Inc.

3-17s-34w Scott,KS

1616 S. Voss Rd. Suite 600
Houston, TX 77057

Rose #2-3

Job Ticket: 55544

DST#: 3

ATTN: Terry McLeod

Test Start: 2013.11.06 @ 18:42:00

GENERAL INFORMATION:

Formation: **Ft. Scott - Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:00:30

Time Test Ended: 02:57:50

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 62

Interval: **4584.00 ft (KB) To 4770.00 ft (KB) (TVD)**

Total Depth: 4770.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3137.00 ft (KB)

3126.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6741

Inside

Press @ Run Depth: 108.38 psig @ 4610.00 ft (KB)

Start Date: 2013.11.06

End Date: 2013.11.07

Start Time: 18:42:02

End Time: 02:57:49

Capacity: 8000.00 psig

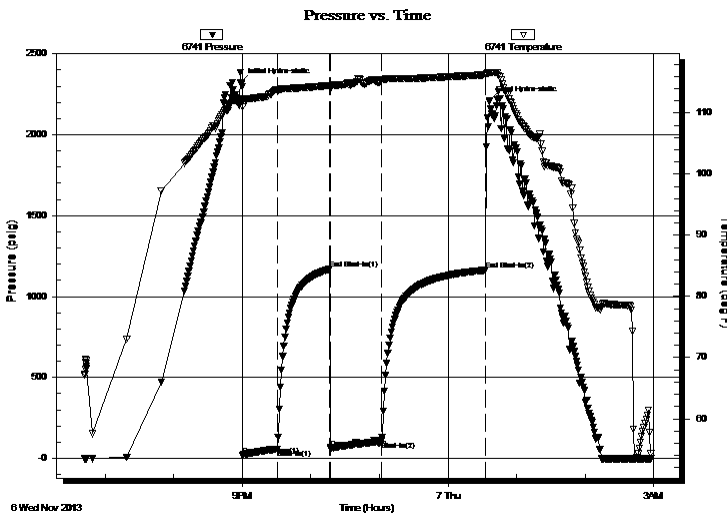
Last Calib.: 2013.11.07

Time On Btm: 2013.11.06 @ 20:58:50

Time Off Btm: 2013.11.07 @ 00:36:09

TEST COMMENT: 4" Blow .
No return.
1" Blow .
No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2322.27	112.19	Initial Hydro-static
2	21.72	111.07	Open To Flow (1)
32	58.55	113.73	Shut-In(1)
78	1169.68	114.50	End Shut-In(1)
79	62.90	113.94	Open To Flow (2)
124	108.38	115.38	Shut-In(2)
214	1163.22	116.25	End Shut-In(2)
218	2208.03	116.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
135.00	OSM 100m Oil spots in tool.	0.66

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, Inc.

3-17s-34w Scott,KS

1616 S. Voss Rd. Suite 600
Houston, TX 77057

Rose #2-3

Job Ticket: 55544

DST#: 3

ATTN: Terry McLeod

Test Start: 2013.11.06 @ 18:42:00

Tool Information

Drill Pipe:	Length: 4300.00 ft	Diameter: 3.80 inches	Volume: 60.32 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 280.00 ft	Diameter: 2.25 inches	Volume: 1.38 bbl	Weight to Pull Loose: 100000.0 lb
			Total Volume: 61.70 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.50 ft			String Weight: Initial 77000.00 lb
Depth to Top Packer:	4584.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	186.00 ft			
Tool Length:	208.50 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			4562.50	
Shut In Tool	5.00			4567.50	
Hydraulic tool	5.00			4572.50	
Safety Joint	2.50			4575.00	
Packer	5.00			4580.00	22.50 Bottom Of Top Packer
Packer	4.00			4584.00	
Stubb	1.00			4585.00	
Perforations	25.00			4610.00	
Recorder	0.00	6741	Inside	4610.00	
Recorder	0.00	6751	Outside	4610.00	
Change Over Sub	1.00			4611.00	
Drill Pipe	155.00			4766.00	
Change Over Sub	1.00			4767.00	
Bullnose	3.00			4770.00	186.00 Bottom Packers & Anchor

Total Tool Length: 208.50



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources, Inc.

3-17s-34w Scott,KS

1616 S. Voss Rd. Suite 600
Houston, TX 77057

Rose #2-3

Job Ticket: 55544

DST#: 3

ATTN: Terry McLeod

Test Start: 2013.11.06 @ 18:42:00

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: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
135.00	OSM 100m Oil spots in tool.	0.664

Total Length: 135.00 ft Total Volume: 0.664 bbl

Num Fluid Samples: 0

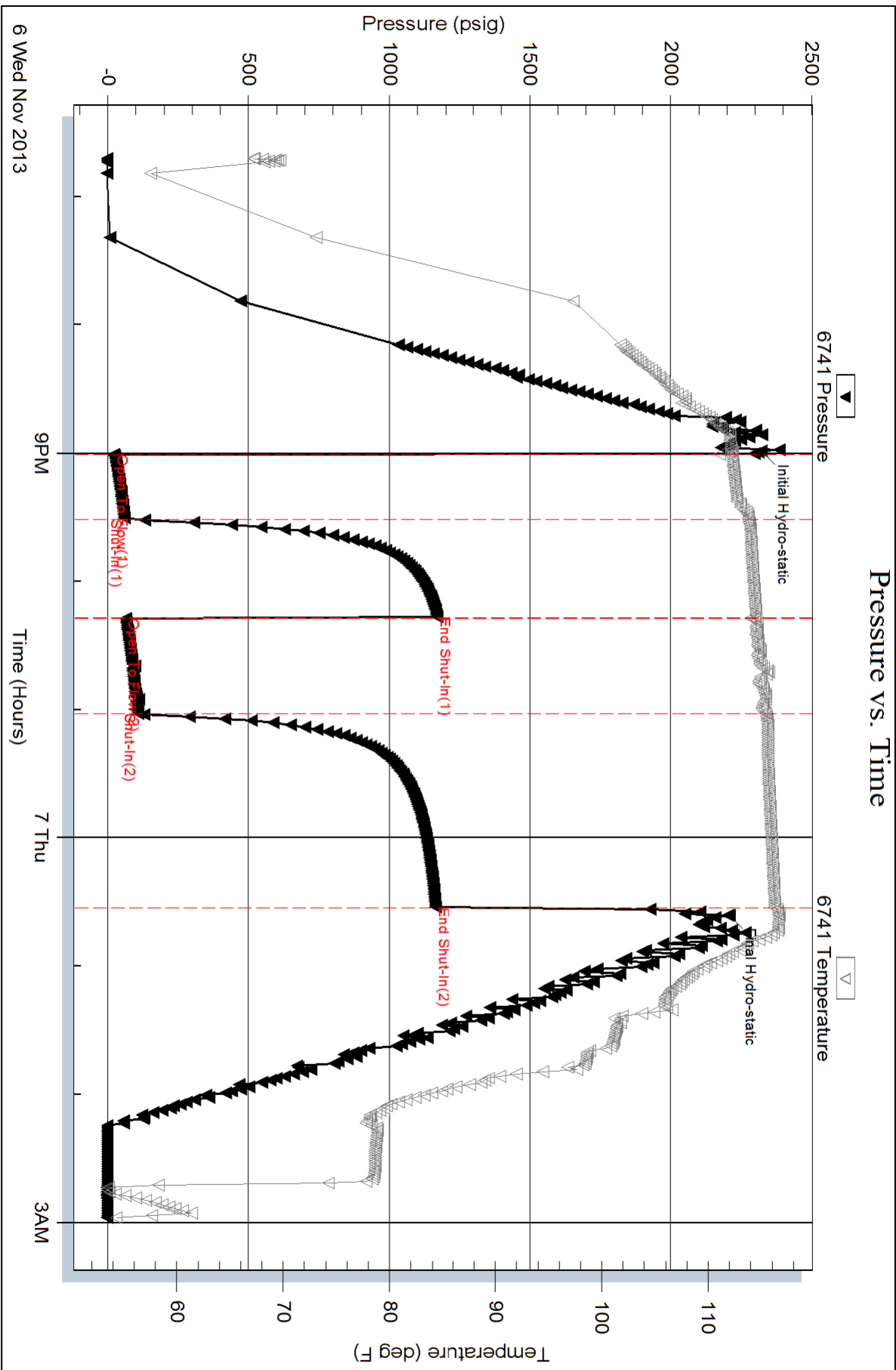
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

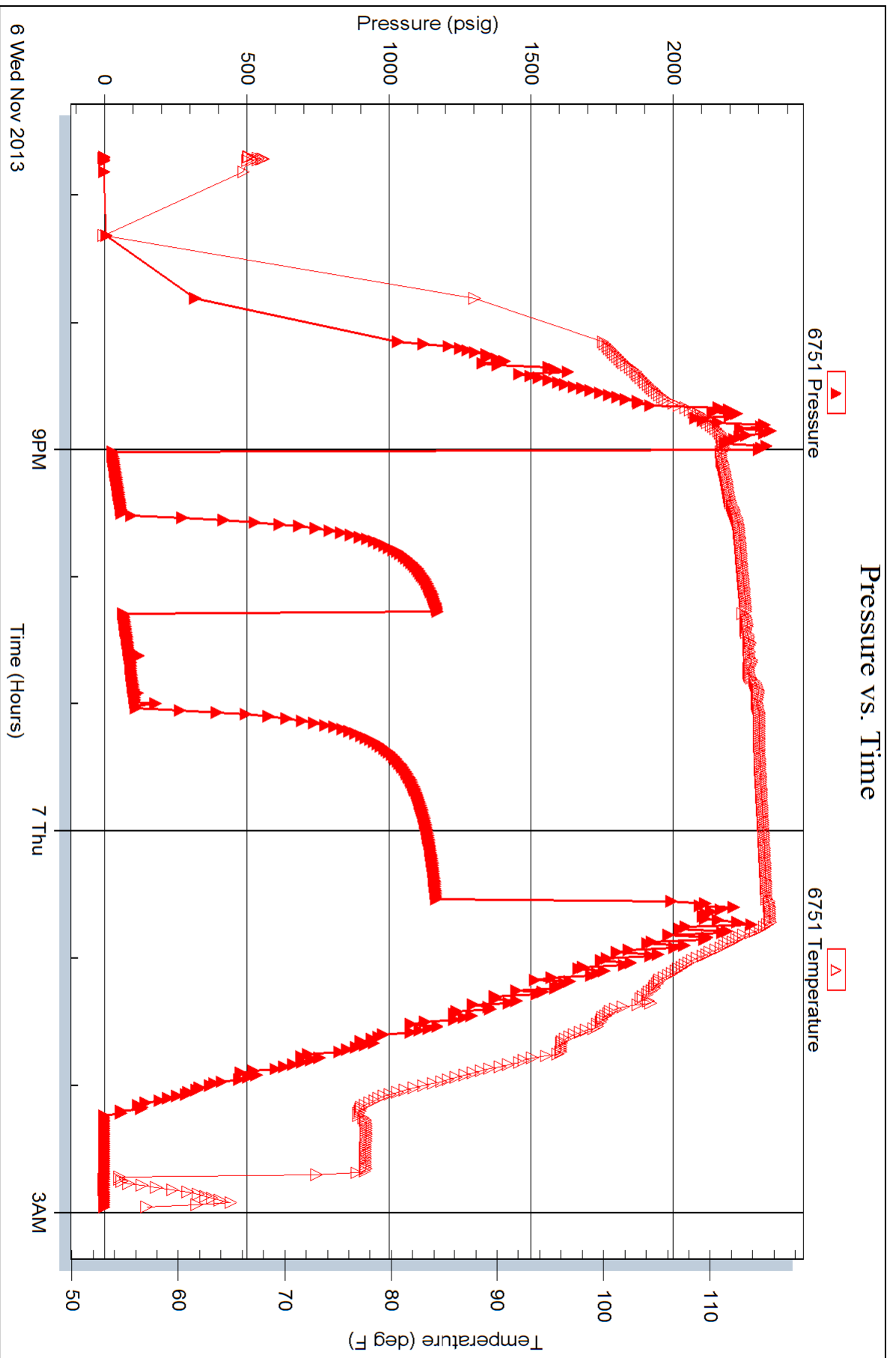


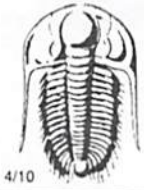
Serial #: 6751

Outside Landmark Resources, Inc.

Rose #2-3

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **55542**

Well Name & No. Rose #2-3 Test No. 1 Date 11-4-13
 Company Landmark Resources, Inc. Elevation 3137 KB 3126 GL
 Address 1616-B. Voss Rd. STE 600 Houston, TX 77057
 Co. Rep / Geo. Terry McLeod Rig MDC#21
 Location: Sec. 3 Twp. 17s Rge. 37w Co. Scott State Ks

Interval Tested 4478 - 4490 Zone Tested Marmaton
 Anchor Length 12 Drill Pipe Run 4209 Mud Wt. 9.2
 Top Packer Depth 4474 Drill Collars Run 280 Vis 58
 Bottom Packer Depth 4478 Wt. Pipe Run 0 WL 6.8
 Total Depth 4490 Chlorides 3000 ppm System LCM 2nd
 Blow Description B.O.B. @ 11 min.
B.O.B. @ 27 min.
B.O.B. @ 12 min.
B.O.B. @ 42 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>112</u>	<u>60</u>	<u>30</u>	<u>70</u>		
<u>248</u>	<u>60</u>	<u>20</u>	<u>80</u>		
<u>248</u>	<u>60</u>	<u>15</u>	<u>85</u>		
<u>62</u>	<u>6MCO</u>	<u>10</u>	<u>50</u>		<u>40</u>
<u> </u>	<u>560' w/ 6 IP</u>				

Rec Total 670 BHT 121 Gravity 29 API RW @ °F Chlorides ppm

(A) Initial Hydrostatic 2219 Test 1250 T-On Location 16:35
 (B) First Initial Flow 21 Jars T-Started 16:38
 (C) First Final Flow 156 Safety Joint 75 T-Open 19:33
 (D) Initial Shut-In 1230 Circ Sub NIC T-Pulled 22:35
 (E) Second Initial Flow 181 Hourly Standby T-Out 1:17
 (F) Second Final Flow 265 Mileage 39RT 60.45 Comments
 (G) Final Shut-In 1147 Sampler
 (H) Final Hydrostatic 2241 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Extra Recorder Sub Total 0
 Day Standby Total 1385.45
 Accessibility MP/DST Disc't

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60

Sub Total 1385.45

Approved By Lucy Z. McLeod Our Representative Chuck Smith

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. **55543**

Well Name & No. Rose #2-3 Test No. 2 Date 11-5-13
 Company Landmark Resources, Inc. Elevation 3137 KB 3126 GL
 Address 1616 S. Voss Rd STE 600 Houston, TX 77057
 Co. Rep / Geo. Terry McLeod Rig M.D.C. #21
 Location: Sec. 3 Twp. 17s Rge. 34w Co. Scott State Ks

Interval Tested 4494-4525 Zone Tested Altament
 Anchor Length 31 Drill Pipe Run 4206 Mud Wt. 9.1
 Top Packer Depth 4490 Drill Collars Run 280 Vis 58
 Bottom Packer Depth 4494 Wt. Pipe Run 0 WL 8.8
 Total Depth 4525 Chlorides 4500 ppm System LCM 2nd

Blow Description B.O.B. @ 2 min.
B.O.B. @ 7 1/2 min.
B.O.B. @ 3 1/2 min.
B.O.B. @ 18 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>108</u>	<u>GO</u>	<u>30</u>	<u>70</u>		
<u>124</u>	<u>GO</u>	<u>15</u>	<u>85</u>		
<u>1805</u>	<u>GO Circulated out</u>	<u>30</u>	<u>70</u>		
<u>62</u>	<u>GO</u>	<u>30</u>	<u>70</u>		
<u>62</u>	<u>GMCO</u>	<u>10</u>	<u>65</u>		<u>25</u>

Rec Total 2161 BHT 122 Gravity 31 API RW @ °F Chlorides - ppm

(A) Initial Hydrostatic 2217 Test 1250 T-On Location 8:15
 (B) First Initial Flow 115 Jars T-Started 8:24
 (C) First Final Flow 456 Safety Joint 75 T-Open 10:42
 (D) Initial Shut-In 1094 Circ Sub 50' T-Pulled 14:13
 (E) Second Initial Flow 582 Hourly Standby T-Out 18:15
 (F) Second Final Flow 833 Mileage 39RT 60.45 Comments 1815' GIP
 (G) Final Shut-In 1272 Sampler
 (H) Final Hydrostatic 2167 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer

Initial Open 30 Extra Packer Extra Copies
 Initial Shut-In 45 Extra Recorder Sub Total 0
 Final Flow 45 Day Standby Total 1435.45
 Final Shut-In 90 Accessibility MP/DST Disc't
 Sub Total 1435.45

Approved By Terry McLeod Our Representative Chuck Smith

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. **55544**

Well Name & No. Rose #2-3 Test No. 3 Date 11-6-13
 Company Landmark Resources, Inc. Elevation 3137 KB 3126 GL
 Address 1616 S. Voss Rd. STE 600 Houston, TX 77057
 Co. Rep / Geo. Terry McLeod Rig M.D.C. #21
 Location: Sec. 3 Twp. 17s Rge. 34w Co. Scott State KS

Interval Tested 4584-4770 Zone Tested Ft. Scott - Johnson
 Anchor Length 186 Drill Pipe Run 4300 Mud Wt. 9.3
 Top Packer Depth 4580 Drill Collars Run 280 Vis 57
 Bottom Packer Depth 4584 Wt. Pipe Run 0 WL 6.4
 Total Depth 4770 Chlorides 5500 ppm System LCM 2[#]
 Blow Description 4" Blow.
No return.
1" Blow.
No return.

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>135</u>	Feet of <u>0.5m Oil spots in tool</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 Total 135 BHT 116 Gravity — API RW @ ° F Chlorides — ppm

(A) Initial Hydrostatic <u>2322</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>18:</u>
(B) First Initial Flow <u>22</u>	<input checked="" type="checkbox"/> Jars	T-Started <u>18:42</u>
(C) First Final Flow <u>59</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>21:01</u>
(D) Initial Shut-In <u>1170</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>12:33 a.m.</u>
(E) Second Initial Flow <u>63</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>2:58</u>
(F) Second Final Flow <u>108</u>	<input checked="" type="checkbox"/> Mileage <u>39RT X2</u> 120.90	Comments
(G) Final Shut-In <u>1163</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2208</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>1445.90</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1445.90</u>	

Approved By _____ Our Representative Chuck Smith

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