

DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc.**

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

ATTN: Terry Mc Leod

Rose #1-3

3-17s-34w Scott,KS

Start Date: 2013.09.24 @ 22:06:00

End Date: 2013.09.25 @ 05:36:45

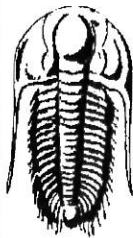
Job Ticket #: 54510 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.01 @ 11:36:25



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Landmark Resources Inc.
1616 S. Voss Rd. Ste. 600
Houston, TX 77057
ATTN: Terry Mc Leod

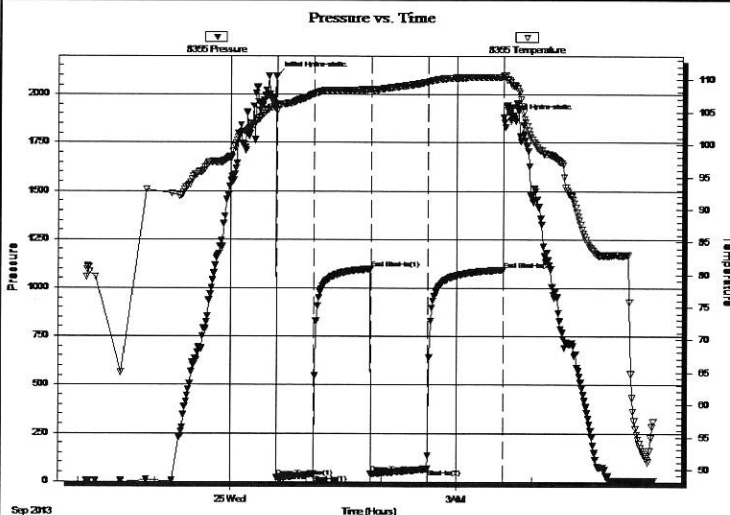
3-17s-34w Scott,KS
Rose #1-3
Job Ticket: 54510 **DST#: 1**
Test Start: 2013.09.24 @ 22:06:00

GENERAL INFORMATION:

Formation: **LKC "C-D"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:36:15
Time Test Ended: 05:36:45
Interval: **4075.00 ft (KB) To 4113.00 ft (KB) (TVD)**
Total Depth: 4113.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Cornelio Landa III ()
Unit No: 58
Reference Elevations: 3130.00 ft (KB)
3125.00 ft (CF)
KB to GRV/CF: 5.00 ft

Serial #: 8355 Outside
Press@RunDepth: 65.20 psig @ 4079.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.09.24 End Date: 2013.09.25 Last Calib.: 2013.09.25
Start Time: 22:06:05 End Time: 05:36:44 Time On Btm: 2013.09.25 @ 00:36:00
Time Off Btm: 2013.09.25 @ 03:37:15

TEST COMMENT: IF: 4" Blow
IS: No return
FFI: 4" Blow
FSI: No return



PRESSURE SUMMARY

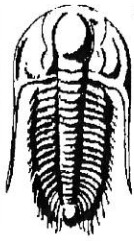
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2092.75	106.16	Initial Hydro-static
1	17.53	105.16	Open To Flow (1)
30	36.29	107.78	Shut-In(1)
75	1099.09	108.51	End Shut-In(1)
76	38.54	108.38	Open To Flow (2)
121	65.20	109.63	Shut-In(2)
181	1094.09	110.39	End Shut-In(2)
182	1878.29	110.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Wm 5w 95m	0.84
50.00	Mw 30m 70w	0.70
5.00	Clean oil 100o	0.07

Gas Rates

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



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DRILL STEM TEST REPORT

Landmark Resources Inc.
1616 S. Voss Rd. Ste. 600
Houston, TX 77057
ATTN: Terry Mc Leod

3-17s-34w Scott,KS
Rose #1-3
Job Ticket: 54510 **DST#: 1**
Test Start: 2013.09.24 @ 22:06:00

GENERAL INFORMATION:

Formation: **LKC "C-D"**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 00:36:15 Tester: Cornelio Landa III (
Time Test Ended: 05:36:45 Unit No: 58
Interval: **4075.00 ft (KB) To 4113.00 ft (KB) (TVD)** Reference Elevations: 3130.00 ft (KB)
Total Depth: 4113.00 ft (KB) (TVD) 3125.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

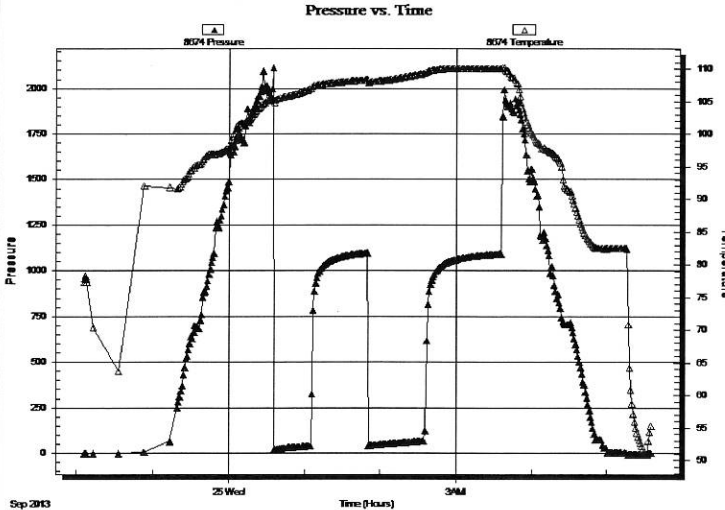
Serial #: 8674

Inside

Press@RunDepth: psig @ 4079.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.09.24 End Date: 2013.09.25 Last Calib.: 2013.09.25
Start Time: 22:06:05 End Time: 05:35:14 Time On Btm:
Time Off Btm:

TEST COMMENT: IF: 4" Blow
ISI: No return
FFI: 4" Blow
FSI: No return

PRESSURE SUMMARY



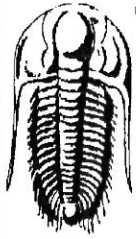
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Wm 5w 95m	0.84
50.00	Mw 30m 70w	0.70
5.00	Clean oil 100o	0.07

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. Ste. 600
Houston, TX 77057

Rose #1-3

Job Ticket: 54510

DST#: 1

ATTN: Terry Mc Leod

Test Start: 2013.09.24 @ 22:06:00

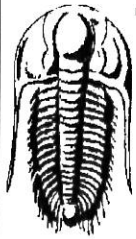
Tool Information

Drill Pipe:	Length: 4063.00 ft	Diameter: 3.80 inches	Volume: 56.99 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	26000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume:</u> 56.99 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	59000.00 lb
Depth to Top Packer:	4075.00 ft			Final	59000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	38.00 ft				
Tool Length:	60.00 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			4054.00	
Shut In Tool	5.00			4059.00	
Hydraulic tool	5.00			4064.00	
Safety Joint	2.00			4066.00	
Packer	5.00			4071.00	22.00 Bottom Of Top Packer
Packer	4.00			4075.00	
Stubb	1.00			4076.00	
Perforations	3.00			4079.00	
Recorder	0.00	8355	Outside	4079.00	
Recorder	0.00	8674	Inside	4079.00	
Perforations	29.00			4108.00	
Bullnose	5.00			4113.00	38.00 Bottom Packers & Anchor

Total Tool Length: 60.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources Inc.

3-17s-34w Scott,KS

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

Rose #1-3

Job Ticket: 54510

DST#: 1

ATTN: Terry Mc Leod

Test Start: 2013.09.24 @ 22:06:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API: 20 deg API

Mud Weight: 9.00 lb/gal

Cushion Length: ft

Water Salinity: 19000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.76 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 4400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

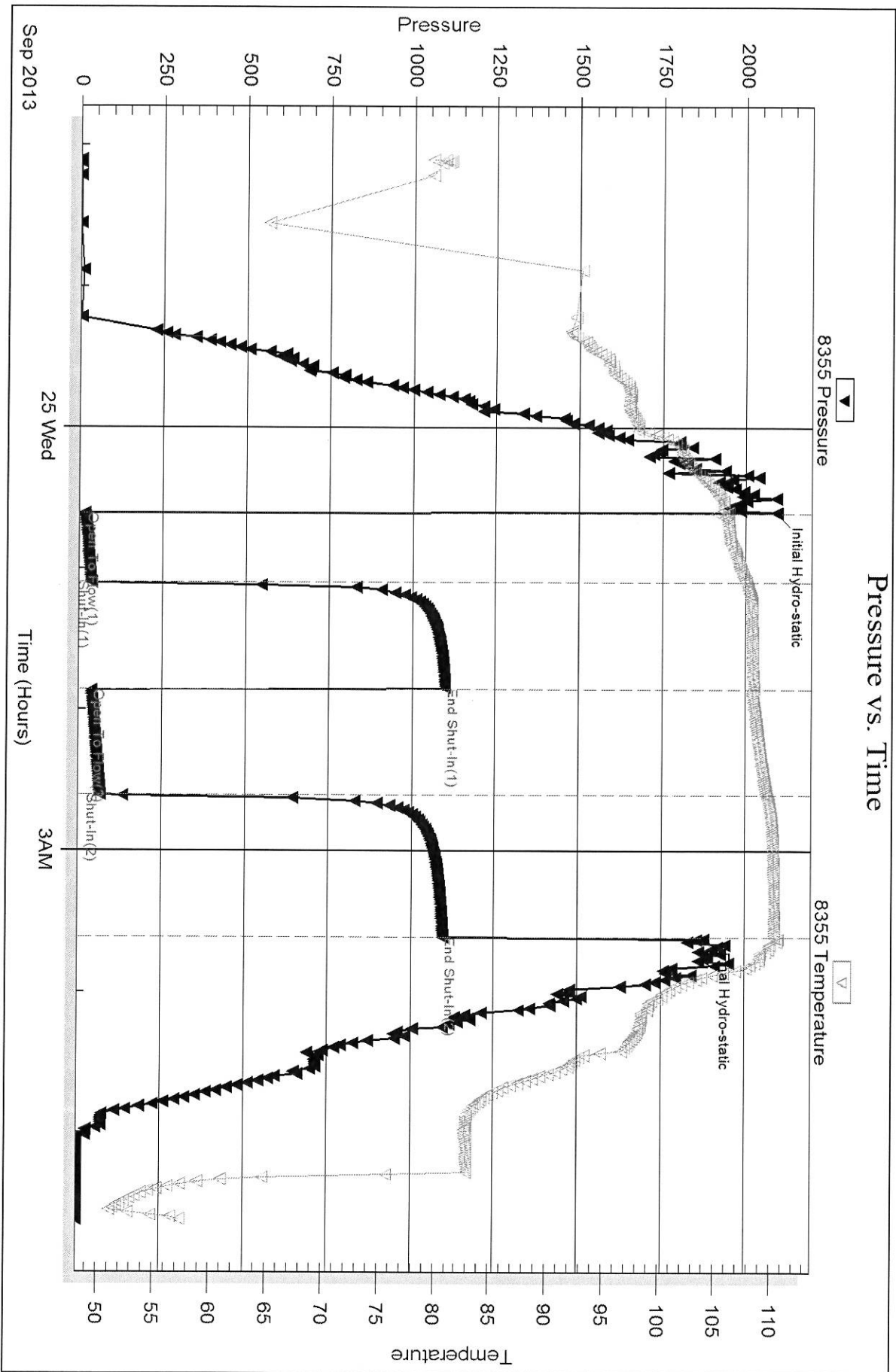
Length ft	Description	Volume bbl
60.00	Wm 5w 95m	0.842
50.00	Mw 30m 70w	0.701
5.00	Clean oil 100o	0.070

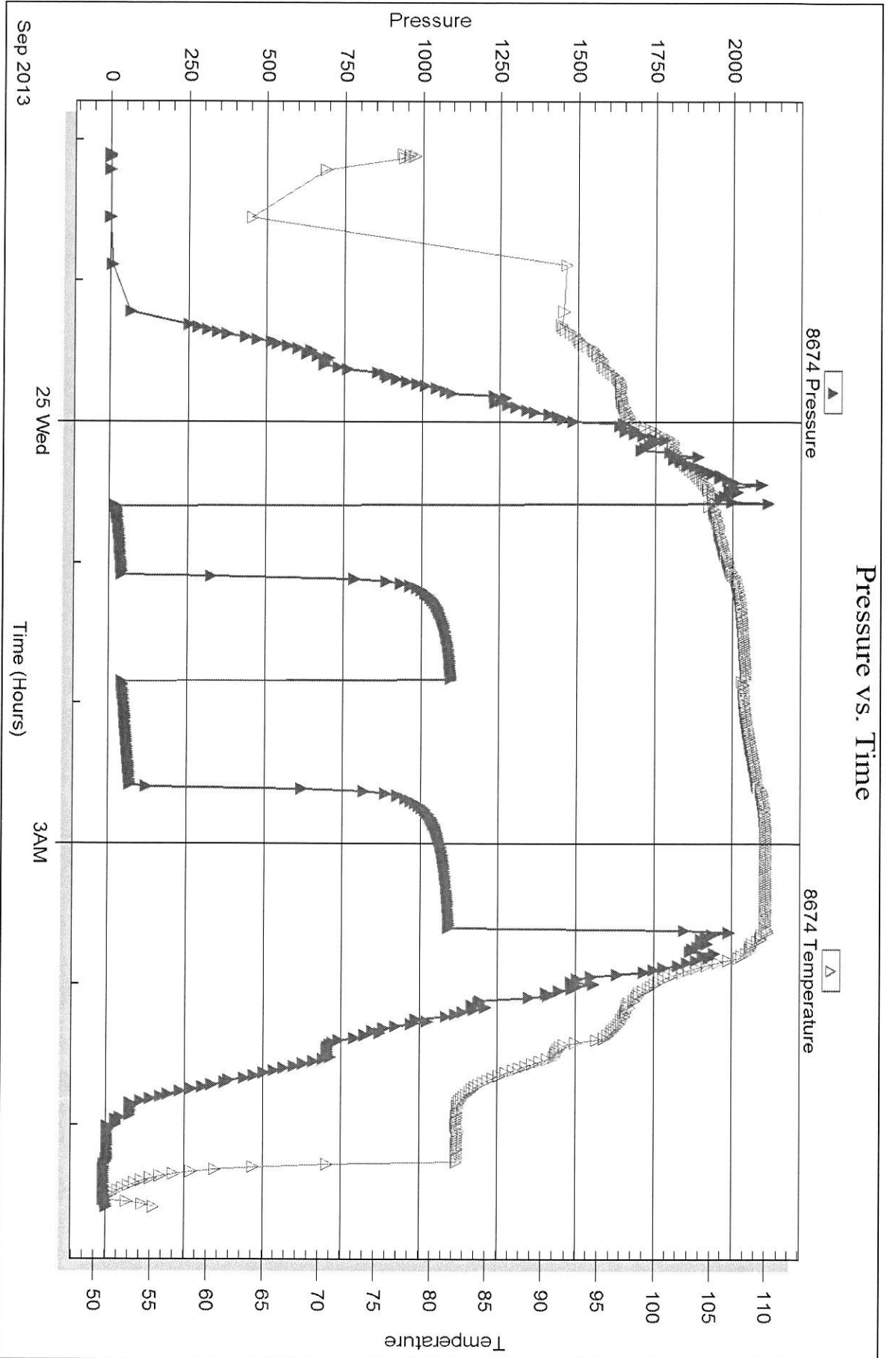
Total Length: 115.00 ft Total Volume: 1.613 bbl

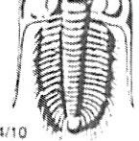
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW .37@61=19000







Well Name & No. Rose #1-3 Test No. 1 Date 9-24-13
 Company Landmark Resources Inc. Elevation 3130 KB 3125 GL
 Address 1466 S. Voss Rd Ste 600 - Houston TX 77057
 Co. Rep / Geo. Terry McLeod Rig LD # Reg 1
 Location: Sec. 3 Twp. 17S Rge. 34W Co. Scott State KS

Interval Tested 4075-4113 Zone Tested LKC "C+D"
 Anchor Length 38' Drill Pipe Run 4063 Mud Wt. 9.2
 Top Packer Depth 4071 Drill Collars Run Ø Vis 52
 Bottom Packer Depth 4075 Wt. Pipe Run Ø WL 8.8
 Total Depth 4113 Chlorides 4400 ppm System LCM #2

Blow Description IF: 4 in of Blow
ISI: No Return
FF: 4 in of Blow
PST: No Return

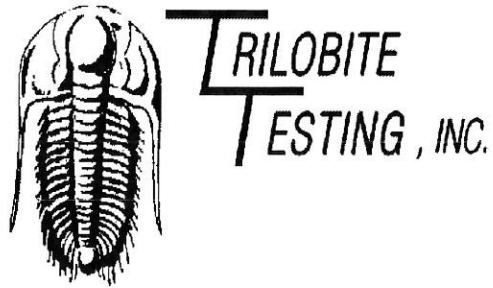
Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>Wm</u>		<u>5</u>	<u>95</u>	
<u>50</u>	<u>MW</u>		<u>70</u>	<u>30</u>	
<u>5</u>	<u>Clear oil</u>	<u>100</u>			

Rec Total 115 BHT 110 Gravity 20 API RW .37 @ 61 ° F Chlorides 19,000 ppm

(A) Initial Hydrostatic 2092 Test 1250 T-On Location 21:35
 (B) First Initial Flow 17 Jars _____ T-Started 22:06
 (C) First Final Flow 36 Safety Joint 75 T-Open 00:36
 (D) Initial Shut-In 1099 Circ Sub NIC T-Pulled 03:36
 (E) Second Initial Flow 38 Hourly Standby _____ T-Out 05:37
 (F) Second Final Flow 65 Mileage 40 RIT ₆₂ Comments _____
 (G) Final Shut-In 1094 Sampler _____
 (H) Final Hydrostatic 1878 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1387
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1387

Approved By Terry McLeod Our Representative [Signature] CLM

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.



DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc.**

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

ATTN: Terry Mc Leod

Rose #1-3

3-17s-34w Scott,KS

Start Date: 2013.09.26 @ 17:26:00

End Date: 2013.09.26 @ 23:35:00

Job Ticket #: 54511 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.01 @ 11:35:52



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

3-17s-34w Scott,KS
Rose #1-3
 Job Ticket: 54511 **DST#: 2**
 Test Start: 2013.09.26 @ 17:26:00

GENERAL INFORMATION:

Formation: **Marmaton**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:47:45
 Time Test Ended: 23:35:00
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Cornelio Landa III (
 Unit No: 58
 Interval: **4464.00 ft (KB) To 4470.00 ft (KB) (TVD)**
 Total Depth: 4470.00 ft (KB) (TVD)
 Reference Elevations: 3130.00 ft (KB)
 3125.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 5.00 ft

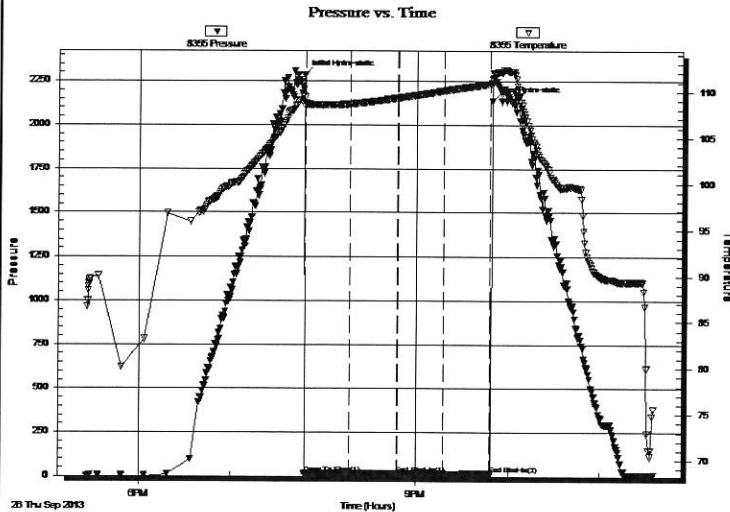
Serial #: 8355

Outside

Press@RunDepth: 13.24 psig @ 4465.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.09.26 End Date: 2013.09.26 Last Calib.: 2013.09.26
 Start Time: 17:26:05 End Time: 23:34:59 Time On Btm: 2013.09.26 @ 19:47:30
 Time Off Btm: 2013.09.26 @ 21:49:00

TEST COMMENT: IF: No blow
 ISI: No return
 FF: No blow
 FSI: No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2284.91	109.38	Initial Hydro-static
1	12.18	108.30	Open To Flow (1)
30	13.81	108.65	Shut-In(1)
61	13.30	109.31	End Shut-In(1)
61	12.79	109.32	Open To Flow (2)
91	13.24	110.10	Shut-In(2)
121	12.81	110.87	End Shut-In(2)
122	2135.98	111.36	Final Hydro-static

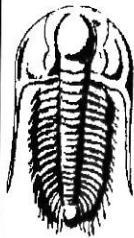
Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mud 100m w ith trace of oil	0.01

* Recovery from multiple tests

Gas Rates

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



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DRILL STEM TEST REPORT

Landmark Resources Inc.

3-17s-34w Scott,KS

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

Rose #1-3

Job Ticket: 54511

DST#: 2

ATTN: Terry McLeod

Test Start: 2013.09.26 @ 17:26:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:47:45

Time Test Ended: 23:35:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III (

Unit No: 58

Interval: 4464.00 ft (KB) To 4470.00 ft (KB) (TVD)

Total Depth: 4470.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3130.00 ft (KB)

3125.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8674 Inside

Press@RunDepth: psig @ 4465.00 ft (KB)

Start Date: 2013.09.26

End Date: 2013.09.26

Capacity: 8000.00 psig

Start Time: 17:26:05

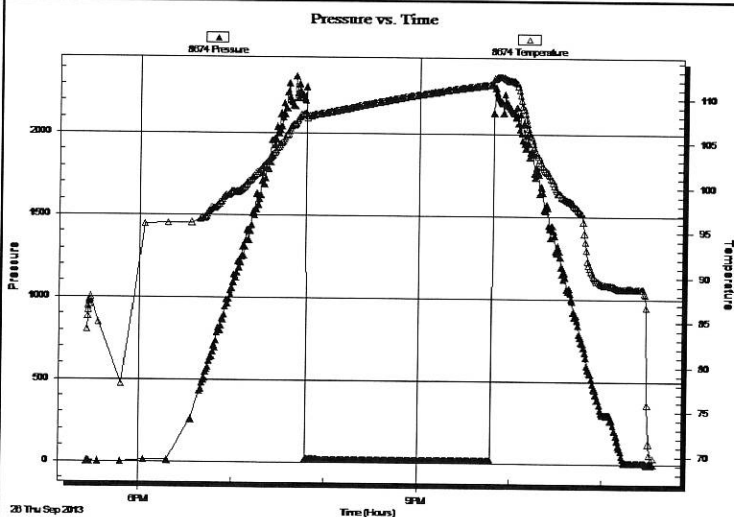
End Time: 23:33:44

Last Calib.: 2013.09.27

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: No blow
IS: No return
FF: No blow
FSI: No return



PRESSURE SUMMARY

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

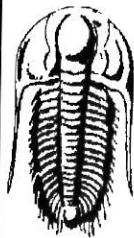
Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mud 100m with trace of oil	0.01

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. Ste. 600
Houston, TX 77057

Rose #1-3

Job Ticket: 54511

DST#: 2

ATTN: Terry McLeod

Test Start: 2013.09.26 @ 17:26:00

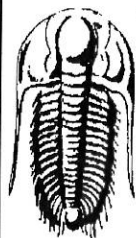
Tool Information

Drill Pipe:	Length: 4475.00 ft	Diameter: 3.80 inches	Volume: 62.77 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 72000.00 lb
			<u>Total Volume: 62.77 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4464.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	6.00 ft			
Tool Length:	28.00 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			4443.00	
Shut In Tool	5.00			4448.00	
Hydraulic tool	5.00			4453.00	
Safety Joint	2.00			4455.00	
Packer	5.00			4460.00	22.00 Bottom Of Top Packer
Packer	4.00			4464.00	
Stubb	1.00			4465.00	
Recorder	0.00	8355	Outside	4465.00	
Recorder	0.00	8674	Inside	4465.00	
Bullnose	5.00			4470.00	6.00 Bottom Packers & Anchor
Total Tool Length:	28.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources Inc.

3-17s-34w Scott,KS

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

Rose #1-3

Job Ticket: 54511

DST#: 2

ATTN: Terry McLeod

Test Start: 2013.09.26 @ 17:26:00

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: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Mud 100m w ith trace of oil	0.014

Total Length: 1.00 ft Total Volume: 0.014 bbl

Num Fluid Samples: 0

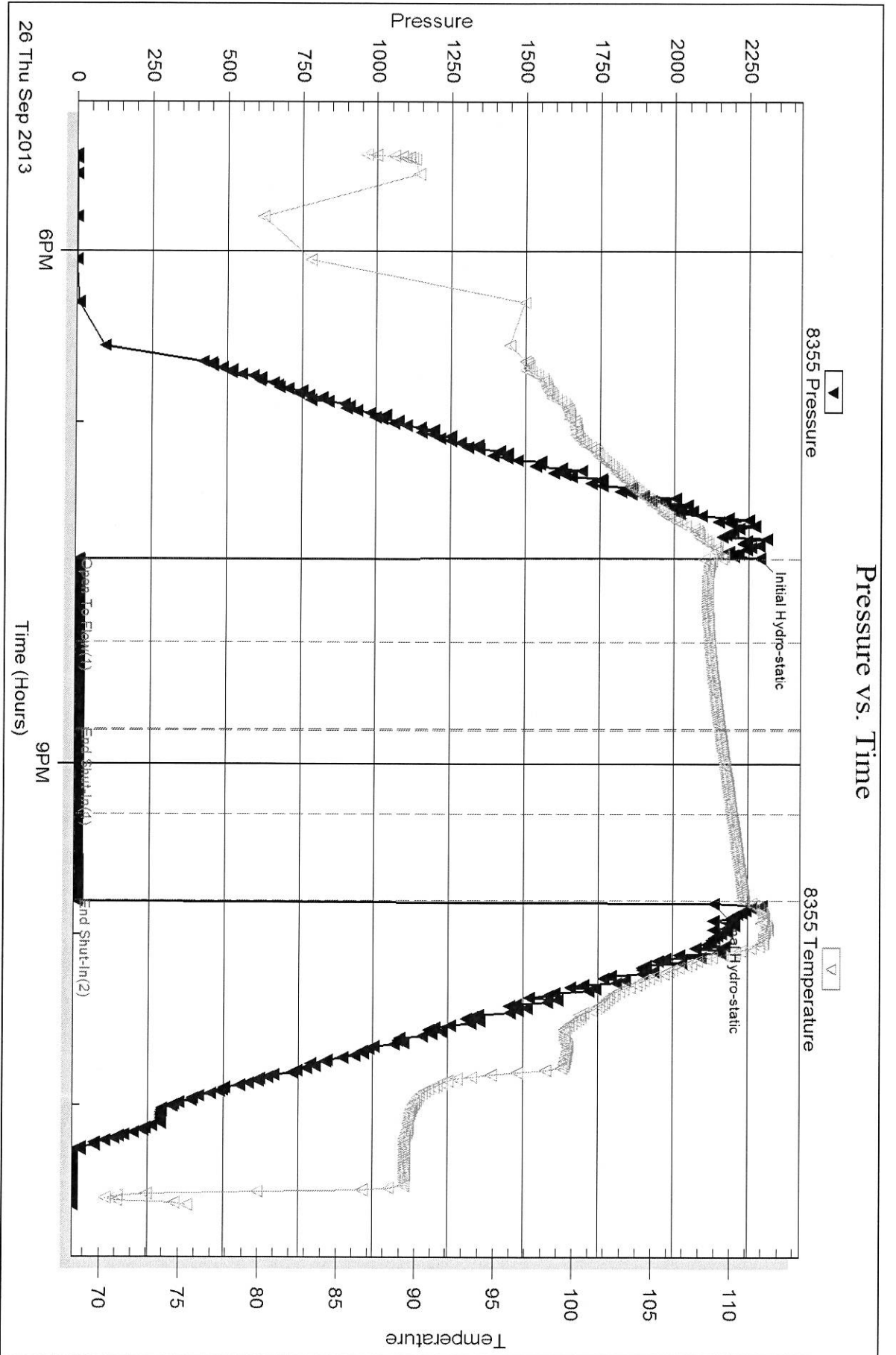
Num Gas Bombs: 0

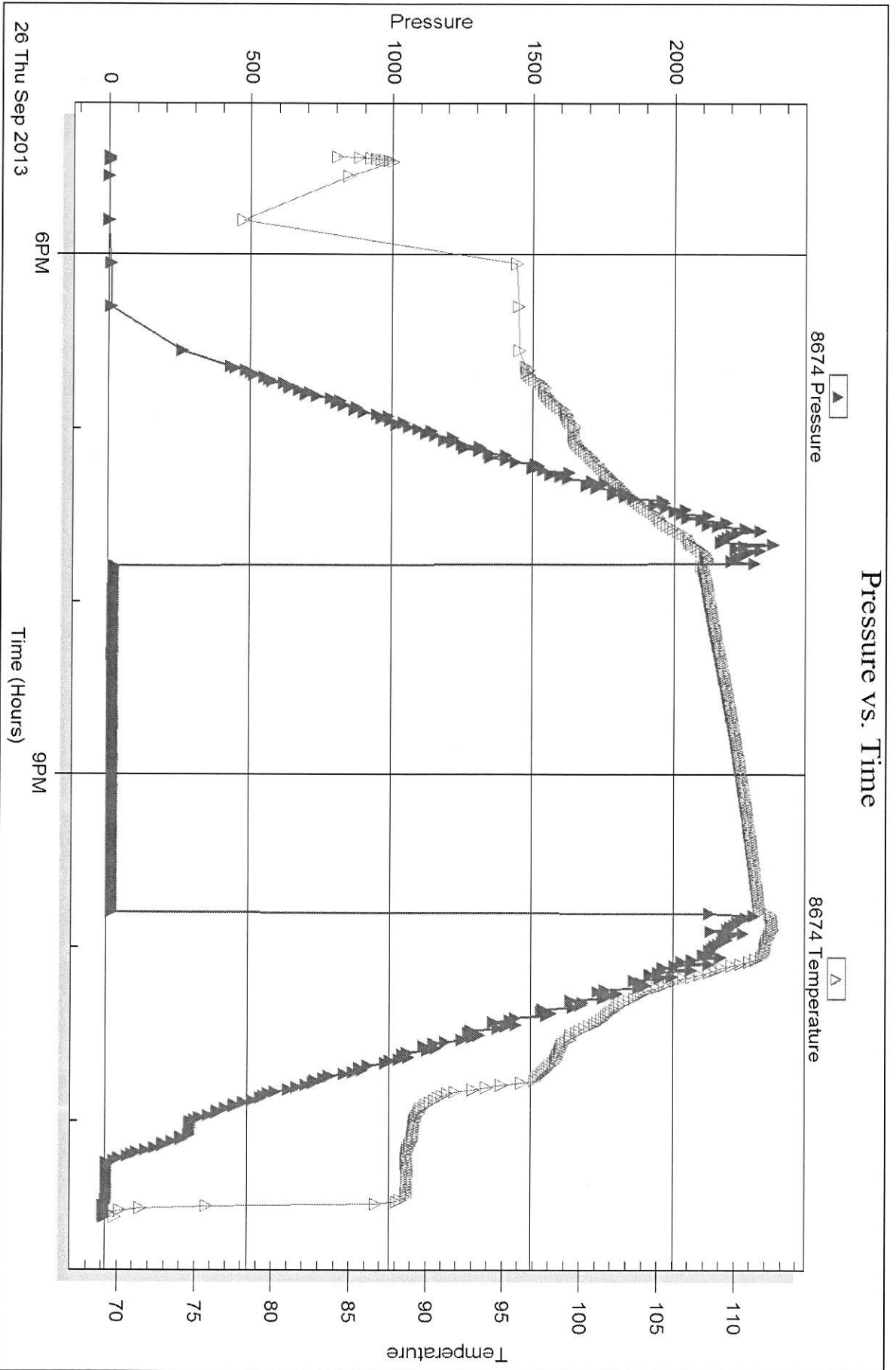
Serial #:

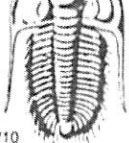
Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 54511

Well Name & No. Rose #1-3 Test No. 2 Date 9-26-13
 Company Landmark Resources Inc. Elevation 3130 KB 3125 GL
 Address 16016 S. VOSS RD. ST#600 - HOUSTON, TX 77057
 Co. Rep / Geo. Ferry McLeod Rig LD #2
 Location: Sec. 3 Twp. 17s Rge. 34w Co. Scott State KS

Interval Tested 4464-4470 Zone Tested Marmaton
 Anchor Length 6' Drill Pipe Run 4475 Mud Wt. 9.2
 Top Packer Depth 4460 Drill Collars Run Ø Vis 49
 Bottom Packer Depth 4464 Wt. Pipe Run Ø WL 104
 Total Depth 4470 Chlorides 6800 ppm System LCM #2

Blow Description FF, NO Blow
FSI, NO Return
FF, NO Blow
FSI, NO Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>Mud with trace of oil</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

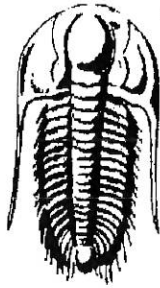
Rec Total 1 BHT 111 Gravity API RW @ ° F Chlorides ppm

(A) Initial Hydrostatic 2284 Test 1250 T-On Location 16:45
 (B) First Initial Flow 12 Jars _____ T-Started 17:26
 (C) First Final Flow 13 Safety Joint 75 T-Open 19:47
 (D) Initial Shut-In 13 Circ Sub NIC T-Pulled 21:47
 (E) Second Initial Flow 12 Hourly Standby _____ T-Out 23:55
 (F) Second Final Flow 13 Mileage 62 Comments 1st test 9-25-13 @ 05:36
 (G) Final Shut-In 12 Sampler _____
 (H) Final Hydrostatic 2135 Straddle _____ Ruined Shale Packer _____

Initial Open 30 Shale Packer _____ Ruined Packer _____
 Initial Shut-In 30 Extra Packer _____ Extra Copies _____
 Final Flow 30 Extra Recorder _____ Sub Total 375
 Final Shut-In 30 Day Standby 1d 11.25h Total 1762
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1387

Approved By Jerry L. McLeod Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged or 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.



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DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc.**

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

ATTN: Terry Mc Leod

Rose #1-3

3-17s-34w Scott,KS

Start Date: 2013.09.27 @ 09:28:00

End Date: 2013.09.27 @ 18:42:15

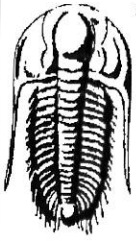
Job Ticket #: 54512 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.01 @ 11:35:22



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Landmark Resources Inc.

3-17s-34w Scott,KS

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

Rose #1-3

ATTN: Terry McLeod

Job Ticket: 54512

DST#: 3

Test Start: 2013.09.27 @ 09:28:00

GENERAL INFORMATION:

Formation: **Altamont**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:58:30

Time Test Ended: 18:42:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III (

Unit No: 58

Interval: 4472.00 ft (KB) To 4529.00 ft (KB) (TVD)

Total Depth: 4529.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3130.00 ft (KB)

3125.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8355

Outside

Press@RunDepth: 599.98 psig @ 4473.00 ft (KB)

Start Date: 2013.09.27

End Date:

2013.09.27

Start Time: 09:28:05

End Time:

18:42:15

Capacity: 8000.00 psig

Last Calib.: 2013.09.27

Time On Btm: 2013.09.27 @ 11:58:15

Time Off Btm: 2013.09.27 @ 15:01:30

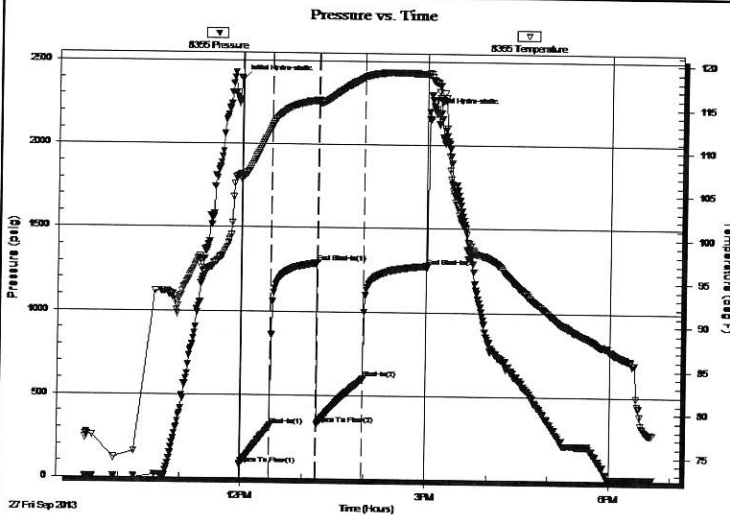
TEST COMMENT:

IF: BOB in 2 mins.

IS: Bled off in 5 mins.-BOB in 8 1/2 mins.

FF: BOB Immediately

FSI: Bled off in 3 1/2 mins.- BOB in 43 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2388.56	107.39	Initial Hydro-static
1	74.49	106.69	Open To Flow (1)
30	314.64	112.81	Shut-In(1)
75	1290.57	115.84	End Shut-In(1)
76	325.14	115.64	Open To Flow (2)
120	599.98	118.55	Shut-In(2)
182	1276.75	118.94	End Shut-In(2)
184	2198.78	119.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1440 GIP	0.00
128.00	Go 10g 90o	1.80
896.00	Go 50g 50o	12.57
480.00	Mcog 10m 40o 50g	6.73

* 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 77057

ATTN: Terry McLeod

3-17s-34w Scott, KS

Rose #1-3

Job Ticket: 54512 **DST#: 3**
Test Start: 2013.09.27 @ 09:28:00

GENERAL INFORMATION:

Formation: **Altamont**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:58:30
Time Test Ended: 18:42:15

Test Type: Conventional Bottom Hole (Reset)
Tester: Cornelio Landa III (
Unit No: 58

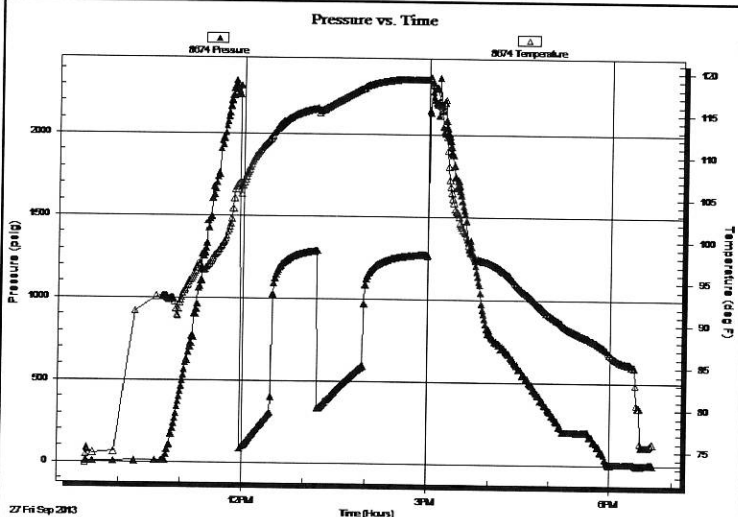
Interval: 4472.00 ft (KB) To 4529.00 ft (KB) (TVD)
Total Depth: 4529.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3130.00 ft (KB)
3125.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8674 Inside

Press@RunDepth: psig @ 4473.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2013.09.27 End Date: 2013.09.27	Last Calib.: 2013.09.27
Start Time: 09:28:05 End Time: 18:40:45	Time On Btm:
	Time Off Btm:

TEST COMMENT: IF: BOB in 2 mins.
IS: Bled off in 5 mins.-BOB in 8 1/2 mins.
FF: BOB Immediately
FS: Bled off in 3 1/2 mins.- BOB in 43 mins.



PRESSURE SUMMARY

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

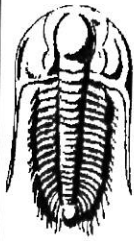
Recovery

Length (ft)	Description	Volume (bbl)
0.00	1440 GIP	0.00
128.00	Go 10g 90o	1.80
896.00	Go 50g 50o	12.57
480.00	Mcog 10m 40o 50g	6.73

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. Ste. 600
Houston, TX 77057

Rose #1-3

Job Ticket: 54512

DST#: 3

ATTN: Terry McLeod

Test Start: 2013.09.27 @ 09:28:00

Tool Information

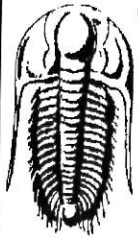
Drill Pipe:	Length: 4475.00 ft	Diameter: 3.80 inches	Volume: 62.77 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 62.77 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4472.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	57.00 ft			
Tool Length:	79.00 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			4451.00	
Shut In Tool	5.00			4456.00	
Hydraulic tool	5.00			4461.00	
Safety Joint	2.00			4463.00	
Packer	5.00			4468.00	22.00 Bottom Of Top Packer
Packer	4.00			4472.00	
Stubb	1.00			4473.00	
Recorder	0.00	8355	Outside	4473.00	
Recorder	0.00	8674	Inside	4473.00	
Perforations	17.00			4490.00	
Change Over Sub	1.00			4491.00	
Drill Pipe	32.00			4523.00	
Change Over Sub	1.00			4524.00	
Bullnose	5.00			4529.00	57.00 Bottom Packers & Anchor

Total Tool Length: 79.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources Inc.

3-17s-34w Scott,KS

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

Rose #1-3

Job Ticket: 54512

DST#: 3

ATTN: Terry McLeod

Test Start: 2013.09.27 @ 09:28:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 9.97 in³

Resistivity: ohm.m

Salinity: 7000.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

31 deg API

Water Salinity:

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	1440 GIP	0.000
128.00	Go 10g 90o	1.796
896.00	Go 50g 50o	12.569
480.00	Mcog 10m 40o 50g	6.733

Total Length: 1504.00 ft Total Volume: 21.098 bbl

Num Fluid Samples: 0

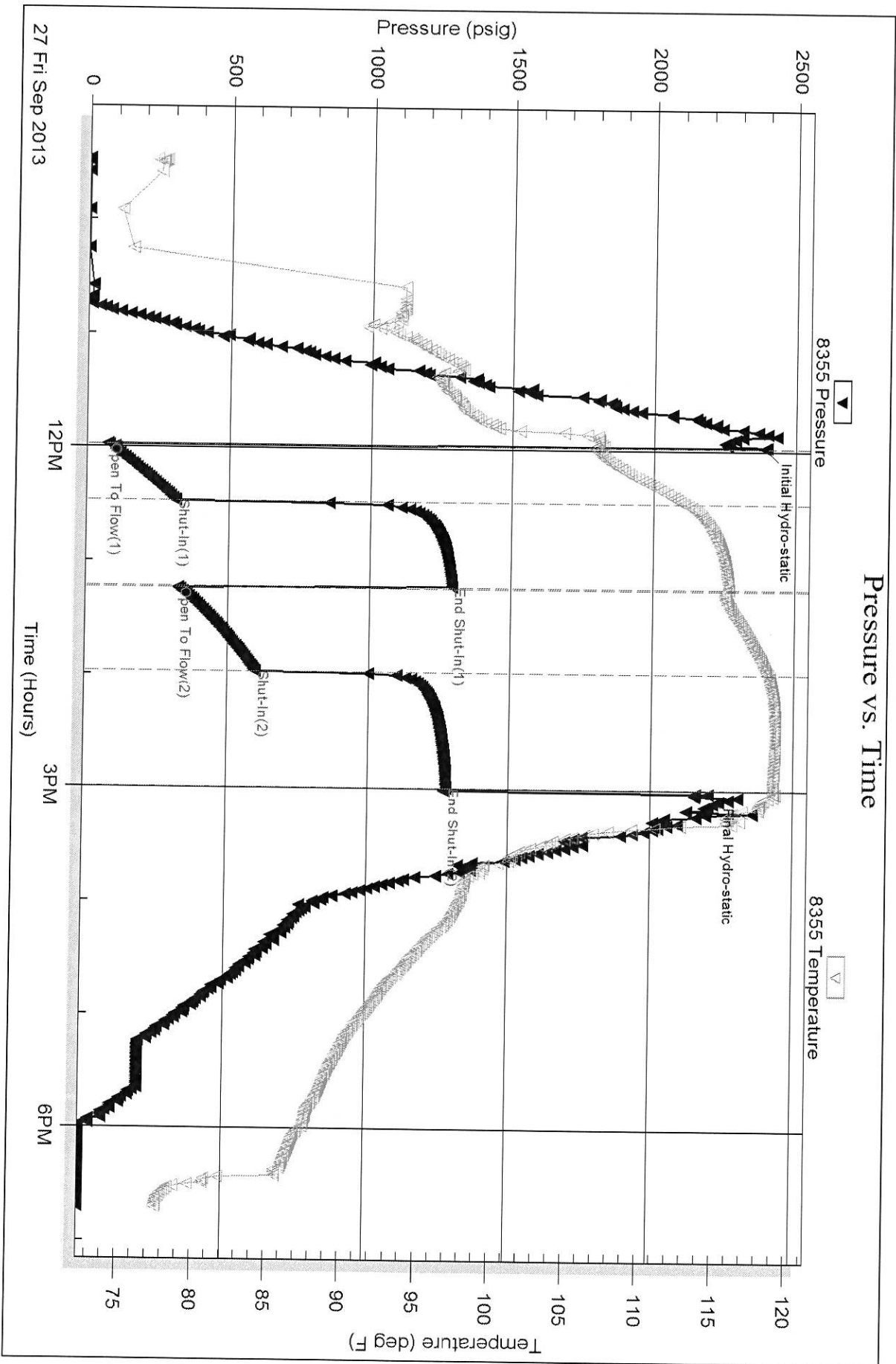
Num Gas Bombs: 0

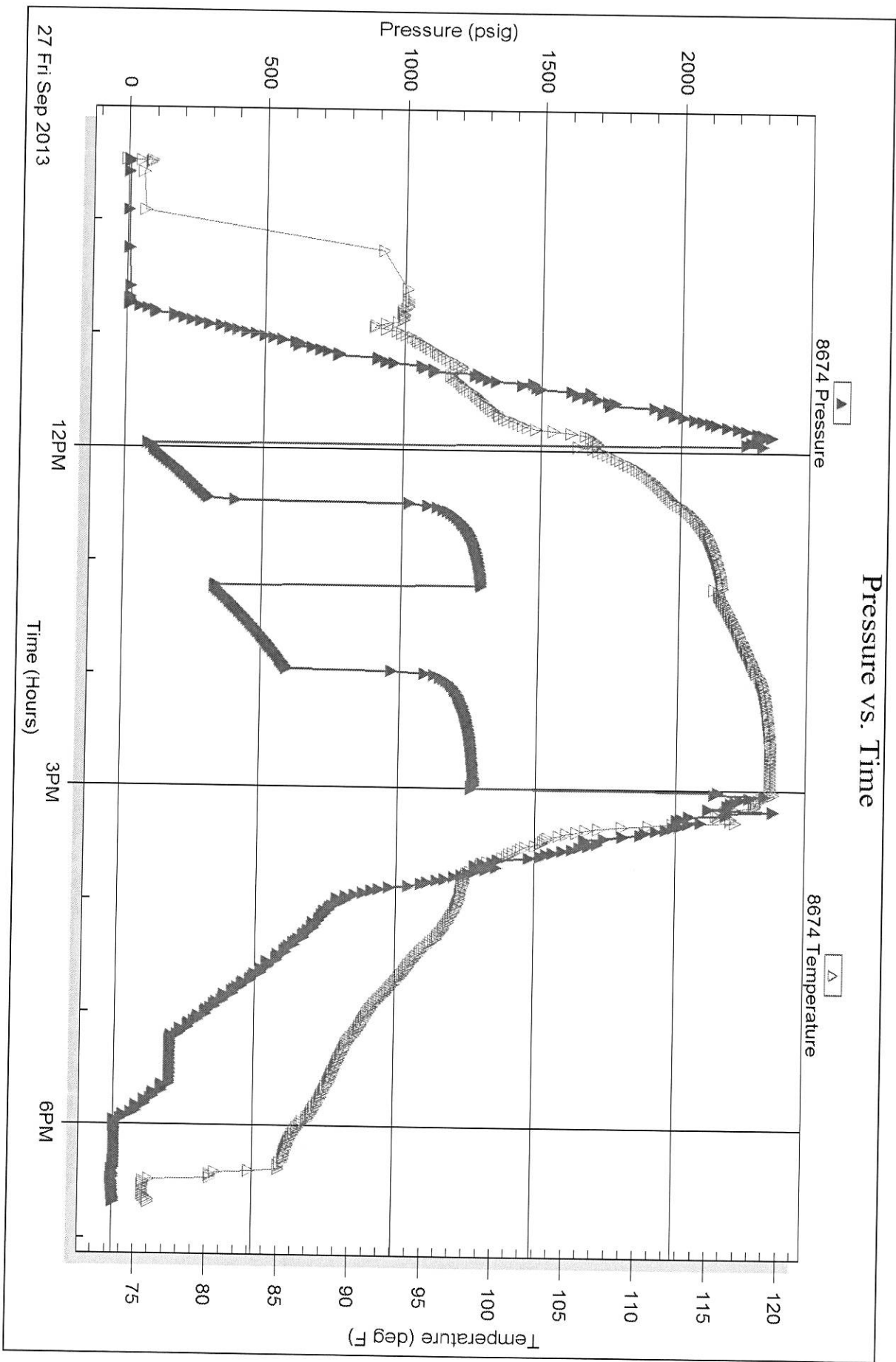
Serial #:

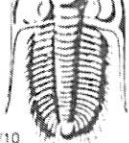
Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 54512

Well Name & No. Rose #1-3 Test No. 3 Date 9-27-13
 Company Landmark Resources Elevation 3130 KB 3125 GL
 Address 1616 S Voss Rd. Ste #600 - Houston, TX 77057
 Co. Rep / Geo. Terry McLead Rig LD#1
 Location: Sec. 3 Twp. 17S Rge. 34W Co. Scott State KS

Interval Tested 4472-4529 Zone Tested Attamont
 Anchor Length 57' Drill Pipe Run 4475 Mud Wt. 94
 Top Packer Depth 4468 Drill Collars Run 0 Vis 48
 Bottom Packer Depth 4472 Wt. Pipe Run 0 WL 10.0
 Total Depth 4529 Chlorides 7000 ppm System LCM #1

Blow Description IF B.O.B in 2 mins.
ISI Bled off in 5 min - Bob. in 8 1/2 mins
FF B.O.B. Immediately
FSI Bled off in 3 1/2 mins - Bob. in 43 mins

Rec	Feet of	%gas	%oil	%water	%mud
<u>1440</u>	<u>GIP</u>				
<u>128</u>	<u>G0</u>	<u>10</u>	<u>90</u>		
<u>896</u>	<u>G0</u>	<u>50</u>	<u>50</u>		
<u>480</u>	<u>MCOG</u>	<u>50</u>	<u>40</u>		<u>10</u>

Rec Total 1504 BHT 119 Gravity 31 API RW @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 2388 Test 1250 T-On Location 09:11
 (B) First Initial Flow 74 Jars _____ T-Started 09:28
 (C) First Final Flow 314 Safety Joint 75 T-Open 11:58
 (D) Initial Shut-In 1290 Circ Sub NIC T-Pulled 14:58
 (E) Second Initial Flow 325 Hourly Standby _____ T-Out 18:42
 (F) Second Final Flow 599 Mileage 124 Comments 9-28-13 on location 9.
 (G) Final Shut-In 1276 Sampler _____ loaded tools from 21:30-22:00 back
 (H) Final Hydrostatic 2198 Straddle _____ to shop @ 22:45 - last test 9/27/13 @
 Initial Open 30 Shale Packer _____ 18:41
 Initial Shut-In 45 Shale Packer _____ Ruined Packer _____
 Final Flow 45 Extra Packer _____ Ruined Packer _____
 Final Shut-In 60 Extra Recorder _____ Sub Total 800
 Day Standby 1d 2.75h Total 2249
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1449

Approved By Terry McLead Our Representative C. McLead

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