



DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc.**

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

ATTN: Wes Hanson

Gerber #1-9

9-15s-33w-Logan,KS

Start Date: 2013.12.07 @ 07:01:00

End Date: 2013.12.07 @ 15:57:00

Job Ticket #: 54547 DST #: 1

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

Printed: 2013.12.16 @ 13:46:56



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Landmark Resources Inc.

9-15s-33w-Logan,KS

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

Gerber #1-9

Job Ticket: 54547

DST#: 1

ATTN: Wes Hanson

Test Start: 2013.12.07 @ 07:01:00

GENERAL INFORMATION:

Formation: **Lansing "C,D,E"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:11:30

Time Test Ended: 15:57:00

Test Type: Conventional Straddle (Initial)

Tester: Cornelio Landa III (

Unit No: 65

Interval: 3931.00 ft (KB) To 4002.00 ft (KB) (TVD)

Reference Elevations: 2942.00 ft (KB)

Total Depth: 4090.00 ft (KB) (TVD)

2931.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8846

Inside

Press@RunDepth: 473.74 psig @ 3934.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.12.07

End Date: 2013.12.07

Last Calib.: 2013.12.07

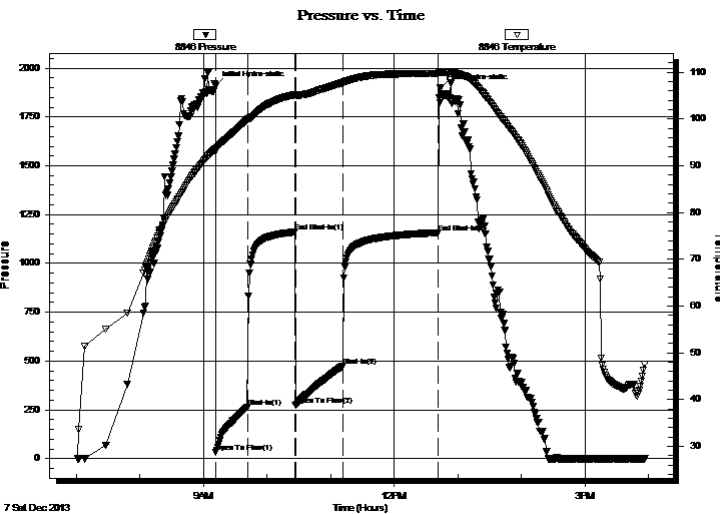
Start Time: 07:01:15

End Time: 15:57:00

Time On Btm: 2013.12.07 @ 09:11:15

Time Off Btm: 2013.12.07 @ 12:43:30

TEST COMMENT: IF: BOB in 6 min.
IS: Bled off in 2 1/2 min. weak surface blow back-died in 10 min.
FF: BOB. in 6 min.
FS: Bled off in 2 1/2 min.-surface blow back-died in 15 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1908.70	93.65	Initial Hydro-static
1	31.13	92.99	Open To Flow (1)
31	265.81	99.85	Shut-In(1)
75	1160.86	105.18	End Shut-In(1)
76	272.81	105.02	Open To Flow (2)
120	473.74	107.75	Shut-In(2)
210	1157.45	109.70	End Shut-In(2)
213	1897.52	109.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
945.00	Wcm 10w 90m w/oil specs	11.09
250.00	Gmcw 5g 15m 80w with trace of oil	3.51

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Landmark Resources Inc.

9-15s-33w-Logan,KS

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

Gerber #1-9

Job Ticket: 54547

DST#: 1

ATTN: Wes Hanson

Test Start: 2013.12.07 @ 07:01:00

Tool Information

Drill Pipe:	Length: 3694.00 ft	Diameter: 3.80 inches	Volume: 51.82 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 238.00 ft	Diameter: 2.25 inches	Volume: 1.17 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 52.99 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	3931.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	4002.00 ft			
Interval between Packers:	71.00 ft			
Tool Length:	187.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Change Over Sub	1.00			3905.00	
Shut In Tool	5.00			3910.00	
Hydraulic tool	5.00			3915.00	
Jars	5.00			3920.00	
Safety Joint	2.00			3922.00	
Packer	5.00			3927.00	27.00 Bottom Of Top Packer
Packer	4.00			3931.00	
Stubb	1.00			3932.00	
Perforations	1.00			3933.00	
Change Over Sub	1.00			3934.00	
Recorder	0.00	8846	Inside	3934.00	
Recorder	0.00	8737	Outside	3934.00	
Drill Pipe	63.00			3997.00	
Change Over Sub	1.00			3998.00	
Change Over Sub	1.00			3999.00	
Perforations	2.00			4001.00	
Blank Off Sub	1.00			4002.00	71.00 Tool Interval
Packer	3.00			4005.00	
Stubb	1.00			4006.00	
Perforations	15.00			4021.00	
Change Over Sub	1.00			4022.00	
Drill Pipe	63.00			4085.00	
Recorder	0.00	8646	Below	4085.00	
Change Over Sub	1.00			4086.00	
Bullnose	5.00			4091.00	89.00 Bottom Packers & Anchor

Total Tool Length: 187.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources Inc.

9-15s-33w-Logan,KS

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

Gerber #1-9

Job Ticket: 54547

DST#: 1

ATTN: Wes Hanson

Test Start: 2013.12.07 @ 07:01:00

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: 10000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume: bbl

Water Loss: 6.11 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure: psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
945.00	Wcm 10w 90m w/oil specs	11.088
250.00	Gmcw 5g 15m 80w with trace of oil	3.507

Total Length: 1195.00 ft Total Volume: 14.595 bbl

Num Fluid Samples: 0

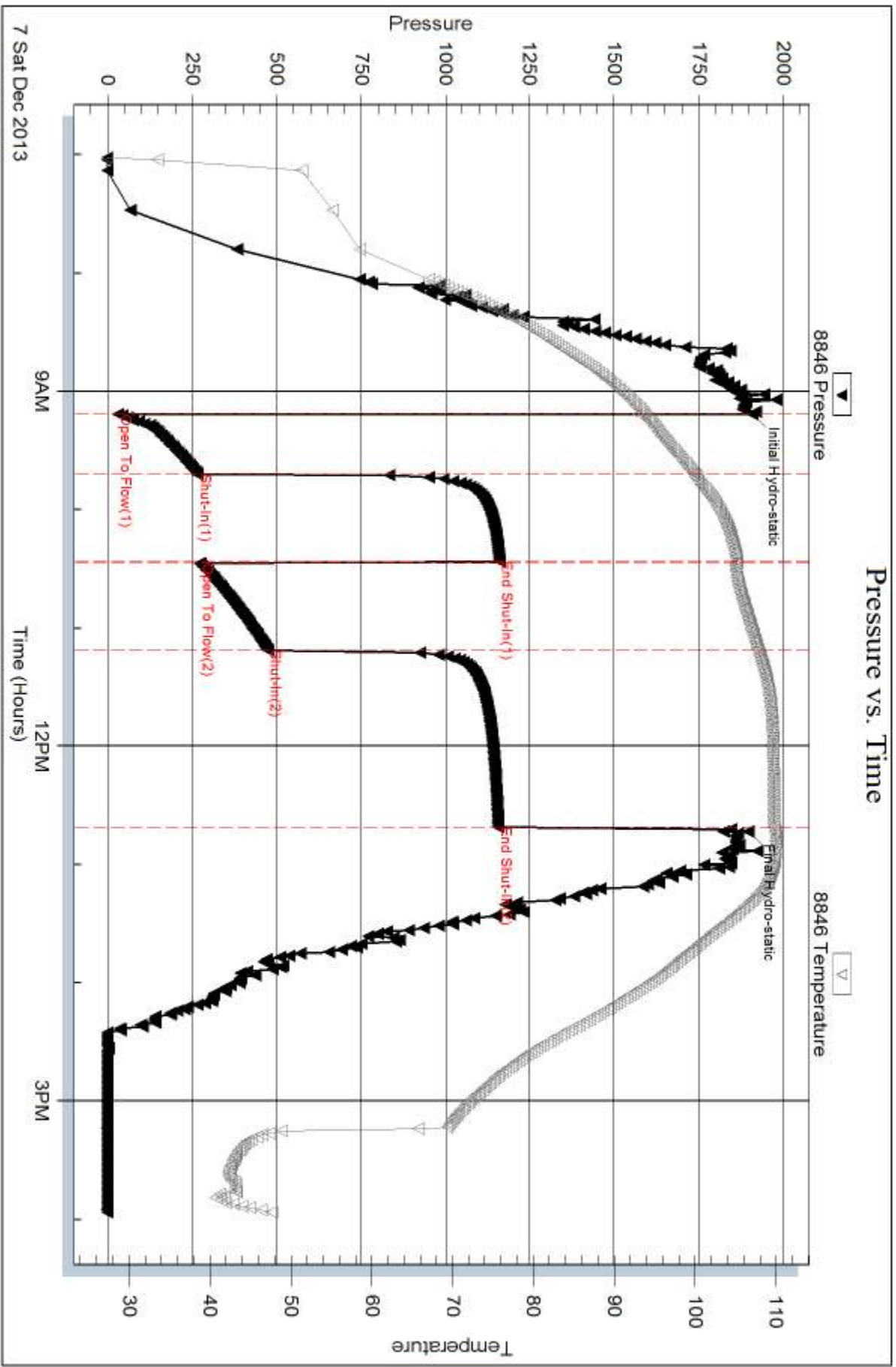
Num Gas Bombs: 0

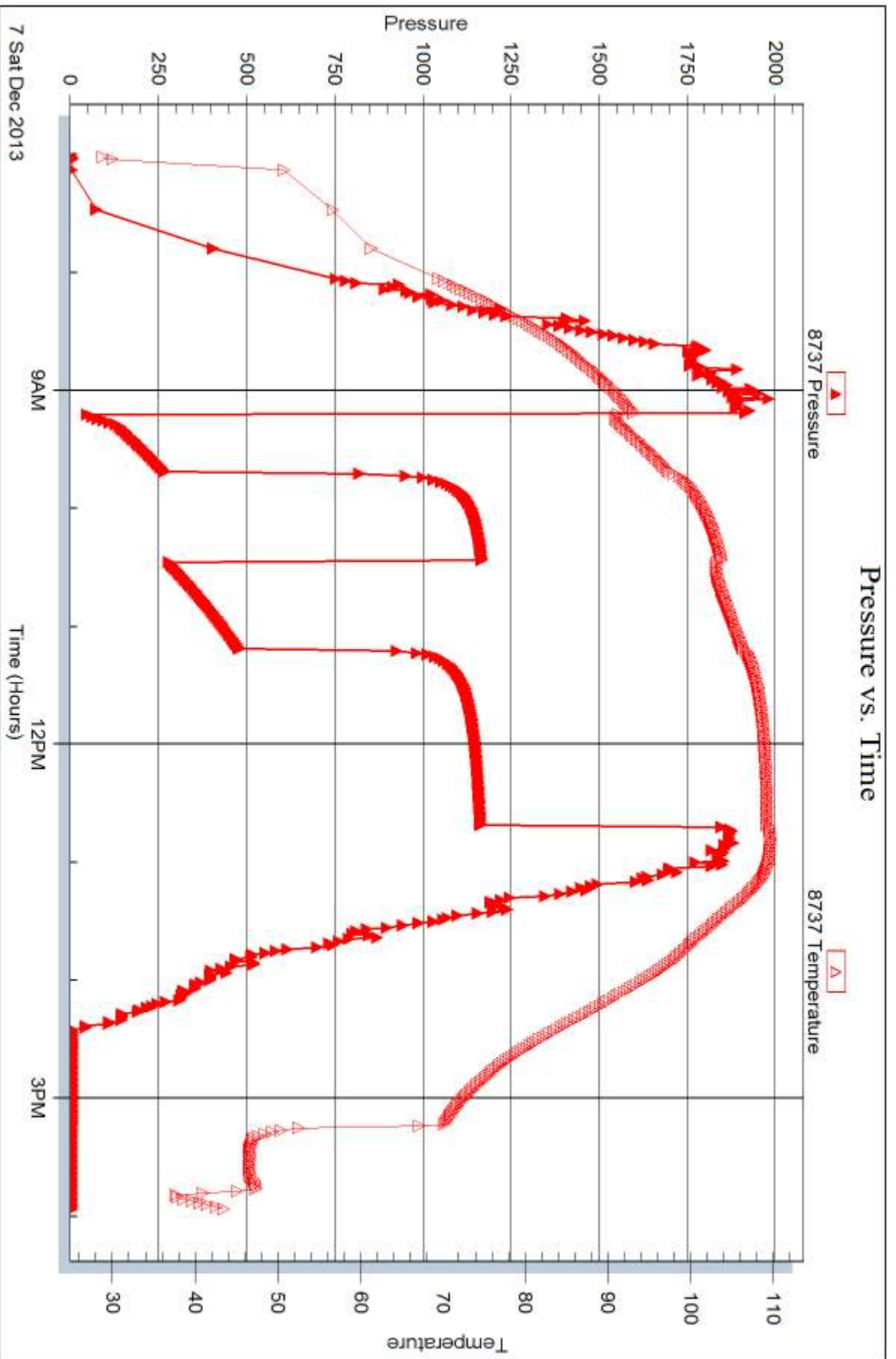
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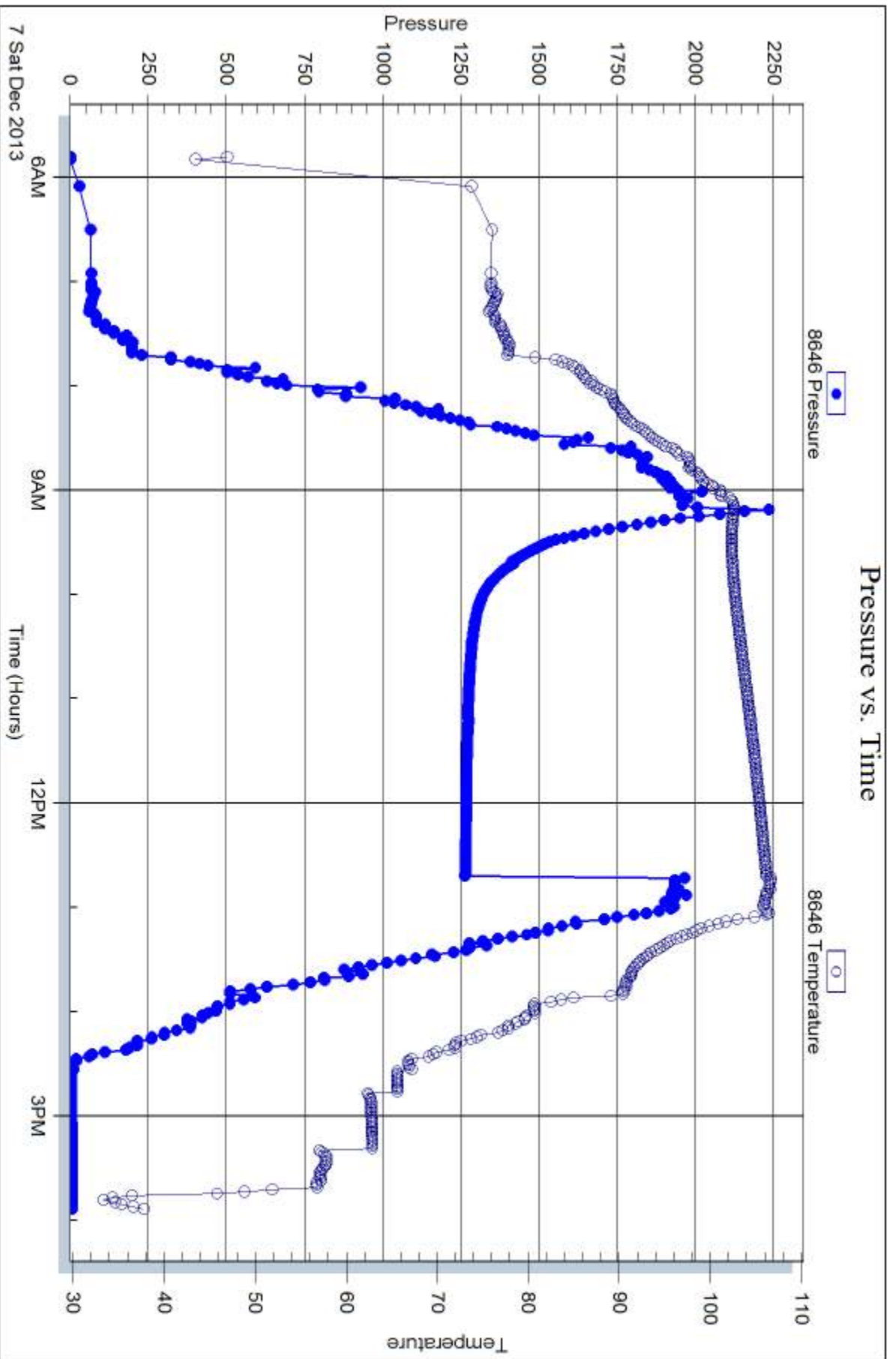
Laboratory Name:

Laboratory Location:

Recovery Comments: RW 1.3@30=10,000 ppm









DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc.**

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

ATTN: Wes Hanson

Gerber #1-9

9-15s-33w-Logan,KS

Start Date: 2013.12.08 @ 17:25:15

End Date: 2013.12.09 @ 02:13:30

Job Ticket #: 54548 DST #: 2

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

Printed: 2013.12.16 @ 13:46:05



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Landmark Resources Inc.

9-15s-33w-Logan,KS

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

Gerber #1-9

Job Ticket: 54548

DST#: 2

ATTN: Wes Hanson

Test Start: 2013.12.08 @ 17:25:15

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:02:15

Time Test Ended: 02:13:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III (

Unit No: 65

Interval: 4237.00 ft (KB) To 4300.00 ft (KB) (TVD)

Reference Elevations: 2942.00 ft (KB)

Total Depth: 4300.00 ft (KB) (TVD)

2931.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8846 Inside

Press@RunDepth: 46.96 psig @ 4242.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.12.08

End Date: 2013.12.09

Last Calib.: 2013.12.09

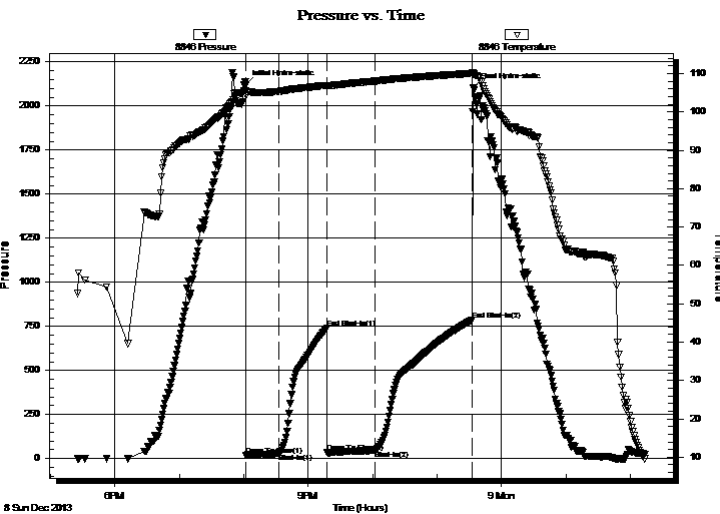
Start Time: 17:25:15

End Time: 02:13:30

Time On Btm: 2013.12.08 @ 20:02:00

Time Off Btm: 2013.12.08 @ 23:33:45

TEST COMMENT: IF: 2" of blow
IS: Bled off- No return
FF: Surface blow after 7 min. open-built to 1" of blow
FS: Bled off- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2119.76	105.48	Initial Hydro-static
1	19.01	104.41	Open To Flow (1)
31	29.48	105.38	Shut-In(1)
76	742.51	106.95	End Shut-In(1)
76	34.35	106.79	Open To Flow (2)
121	46.96	108.06	Shut-In(2)
211	784.45	110.05	End Shut-In(2)
212	2106.23	109.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	GMCO 5g 10m 85o	0.10
50.00	CGO 5g 950	0.25
0.00	Gravity=34	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.

9-15s-33w-Logan,KS

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

Gerber #1-9

Job Ticket: 54548

DST#: 2

ATTN: Wes Hanson

Test Start: 2013.12.08 @ 17:25:15

Tool Information

Drill Pipe:	Length: 3978.00 ft	Diameter: 3.80 inches	Volume: 55.80 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 238.00 ft	Diameter: 2.25 inches	Volume: 1.17 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 56.97 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4237.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	63.00 ft			
Tool Length:	90.00 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			4211.00	
Shut In Tool	5.00			4216.00	
Hydraulic tool	5.00			4221.00	
Jars	5.00			4226.00	
Safety Joint	2.00			4228.00	
Packer	5.00			4233.00	27.00 Bottom Of Top Packer
Packer	4.00			4237.00	
Stubb	1.00			4238.00	
Perforations	4.00			4242.00	
Recorder	0.00	8846	Inside	4242.00	
Recorder	0.00	8737	Outside	4242.00	
Perforations	20.00			4262.00	
Change Over Sub	1.00			4263.00	
Drill Pipe	31.00			4294.00	
Change Over Sub	1.00			4295.00	
Bullnose	5.00			4300.00	63.00 Bottom Packers & Anchor
Total Tool Length:	90.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources Inc.

9-15s-33w-Logan,KS

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

Gerber #1-9

Job Ticket: 54548

DST#: 2

ATTN: Wes Hanson

Test Start: 2013.12.08 @ 17:25:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.68 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	GMCO 5g 10m 85o	0.098
50.00	CGO 5g 950	0.246
0.00	Gravity=34	0.000

Total Length: 70.00 ft Total Volume: 0.344 bbl

Num Fluid Samples: 0

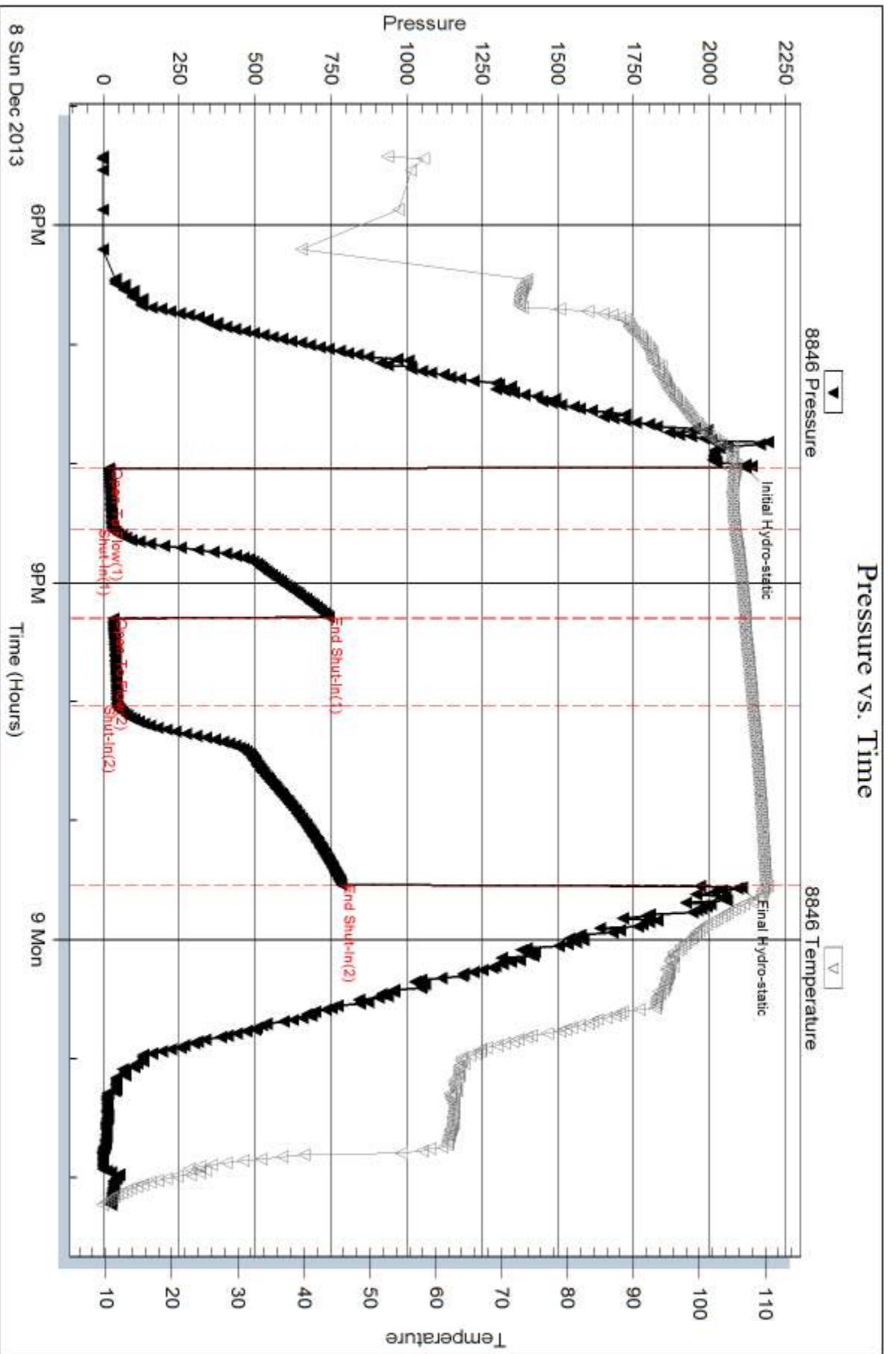
Num Gas Bombs: 0

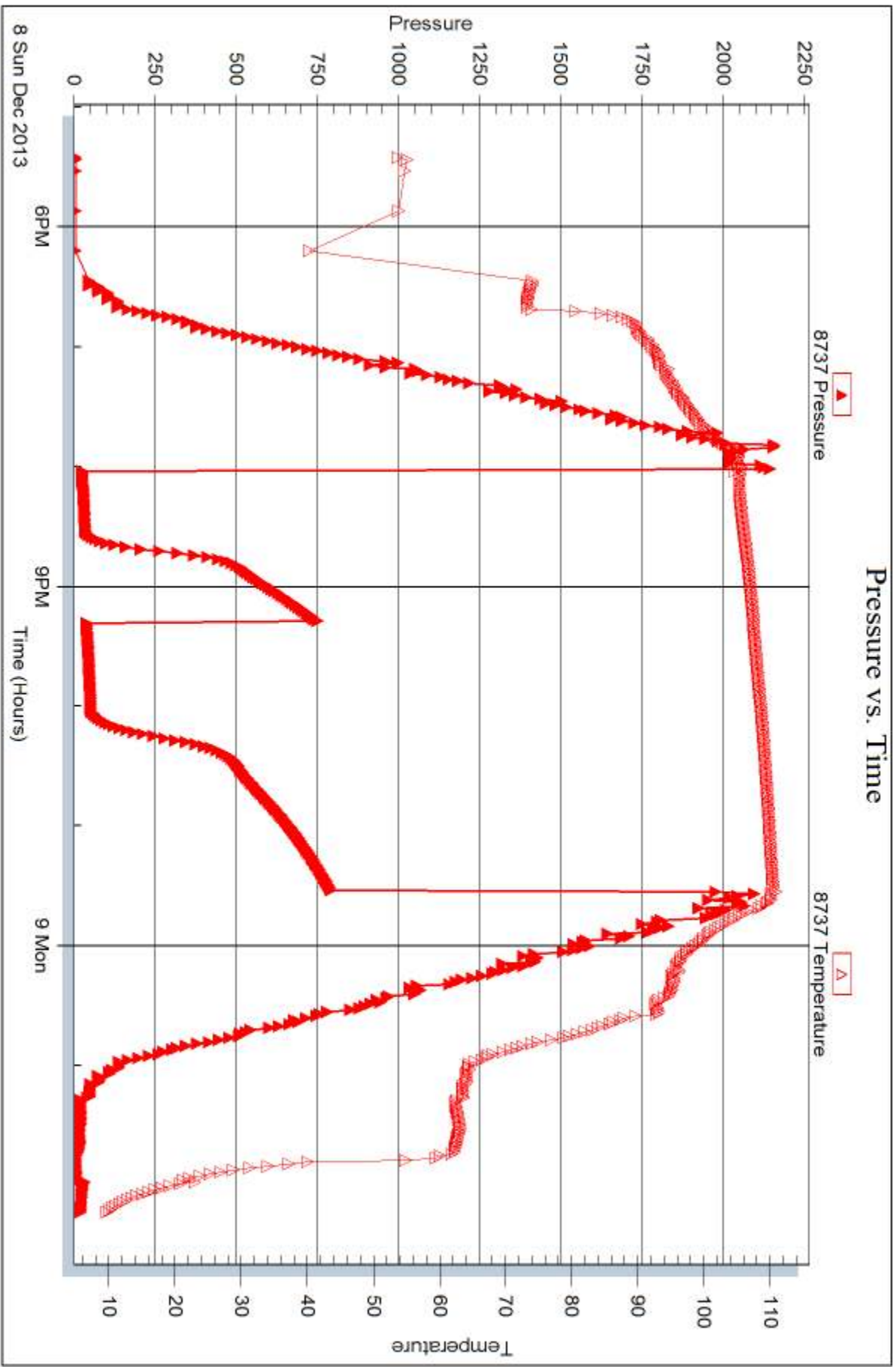
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity=34







DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc.**

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

ATTN: Wes Hanson

Gerber #1-9

9-15s-33w-Logan,KS

Start Date: 2013.12.09 @ 15:14:15

End Date: 2013.12.09 @ 22:06:45

Job Ticket #: 54710 DST #: 3

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

Printed: 2013.12.16 @ 13:45:35



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Landmark Resources Inc.

9-15s-33w-Logan,KS

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

Gerber #1-9

Job Ticket: 54710

DST#: 3

ATTN: Wes Hanson

Test Start: 2013.12.09 @ 15:14:15

GENERAL INFORMATION:

Formation: **Lower Altamont**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:13:00

Time Test Ended: 22:06:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: 4300.00 ft (KB) To 4350.00 ft (KB) (TVD)

Total Depth: 4350.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2942.00 ft (KB)

2931.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8846

Inside

Press@RunDepth: 58.90 psig @ 4301.00 ft (KB)

Start Date: 2013.12.09

End Date:

2013.12.09

Start Time: 15:14:15

End Time:

22:06:45

Capacity: 8000.00 psig

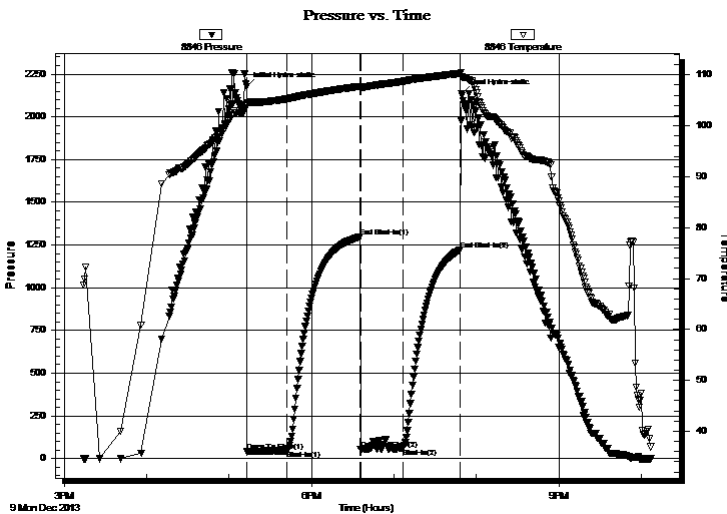
Last Calib.: 2013.12.09

Time On Btm: 2013.12.09 @ 17:12:45

Time Off Btm: 2013.12.09 @ 19:49:15

TEST COMMENT: IF: Built to 1/2" blow
IS: No return blow
FF: No blow
FS: No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2176.50	104.34	Initial Hydro-static
1	41.05	104.04	Open To Flow (1)
30	46.43	105.29	Shut-In(1)
83	1297.24	107.74	End Shut-In(1)
83	52.74	107.39	Open To Flow (2)
114	58.90	108.70	Shut-In(2)
156	1222.40	110.25	End Shut-In(2)
157	2136.99	109.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	mud w ith trace of oil	0.30

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.

9-15s-33w-Logan,KS

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

Gerber #1-9

Job Ticket: 54710

DST#: 3

ATTN: Wes Hanson

Test Start: 2013.12.09 @ 15:14:15

Tool Information

Drill Pipe:	Length: 4039.00 ft	Diameter: 3.80 inches	Volume: 56.66 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 238.00 ft	Diameter: 2.25 inches	Volume: 1.17 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 57.83 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial	68000.00 lb
Depth to Top Packer:	4300.00 ft			Final	68000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	50.00 ft				
Tool Length:	79.00 ft				
Number of Packers:	3	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4272.00	
Shut In Tool	5.00			4277.00	
Hydraulic tool	5.00			4282.00	
Jars	5.00			4287.00	
Safety Joint	3.00			4290.00	
Packer	5.00			4295.00	29.00 Bottom Of Top Packer
Packer	5.00			4300.00	
Stubb	1.00			4301.00	
Recorder	0.00	8846	Inside	4301.00	
Recorder	0.00	8737	Outside	4301.00	
Perforations	4.00			4305.00	
Change Over Sub	1.00			4306.00	
Drill Pipe	31.00			4337.00	
Change Over Sub	1.00			4338.00	
Perforations	7.00			4345.00	
Bullnose	5.00			4350.00	50.00 Bottom Packers & Anchor
Total Tool Length:	79.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources Inc.

9-15s-33w-Logan,KS

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

Gerber #1-9

Job Ticket: 54710

DST#: 3

ATTN: Wes Hanson

Test Start: 2013.12.09 @ 15:14:15

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:

0 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.49 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
62.00	mud w ith trace of oil	0.305

Total Length: 62.00 ft Total Volume: 0.305 bbf

Num Fluid Samples: 0

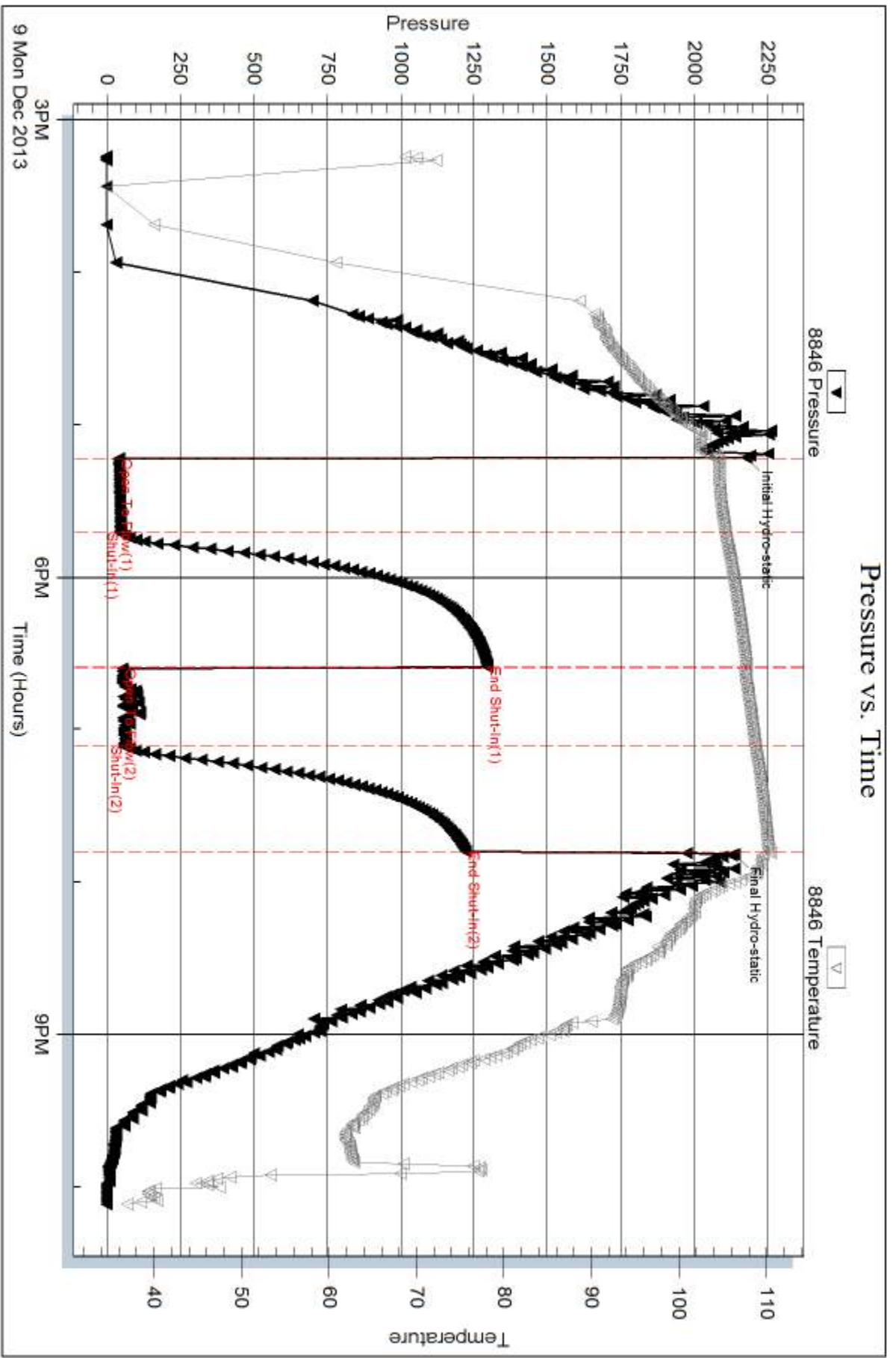
Num Gas Bombs: 0

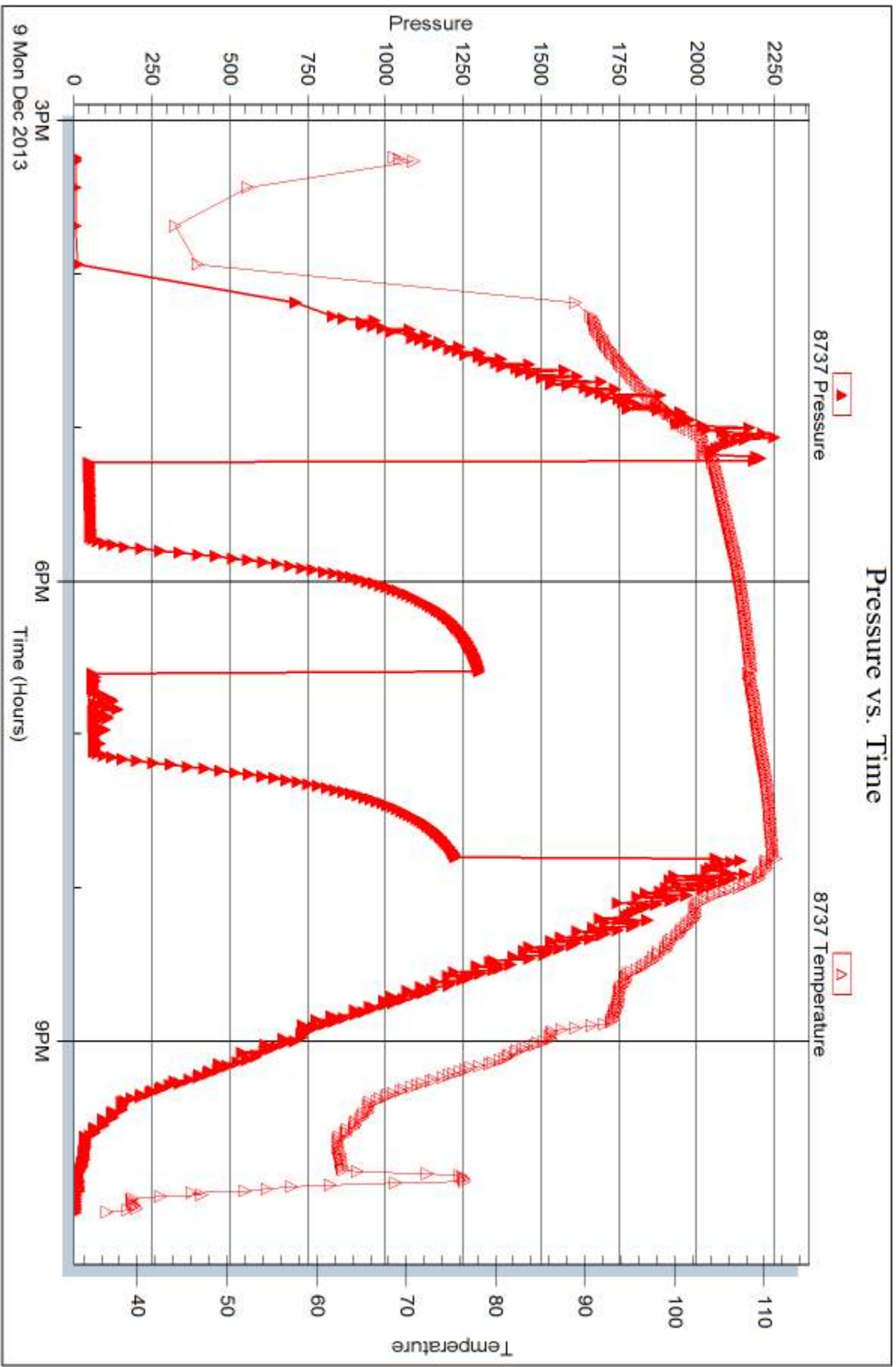
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc.**

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

ATTN: Wes Hanson

Gerber #1-9

9-15s-33w-Logan,KS

Start Date: 2013.12.10 @ 16:52:15

End Date: 2013.12.11 @ 02:09:15

Job Ticket #: 54711 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.12.16 @ 13:44:54



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Landmark Resources Inc.

9-15s-33w-Logan,KS

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

Gerber #1-9

Job Ticket: 54711

DST#: 4

ATTN: Wes Hanson

Test Start: 2013.12.10 @ 16:52:15

GENERAL INFORMATION:

Formation: **Pawnee-Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:13:00

Time Test Ended: 02:09:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: 4348.00 ft (KB) To 4470.00 ft (KB) (TVD)

Reference Elevations: 2942.00 ft (KB)

Total Depth: 4470.00 ft (KB) (TVD)

2931.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8846

Inside

Press@RunDepth: 156.95 psig @ 4349.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.12.10

End Date:

2013.12.11

Last Calib.: 2013.12.11

Start Time: 16:52:15

End Time:

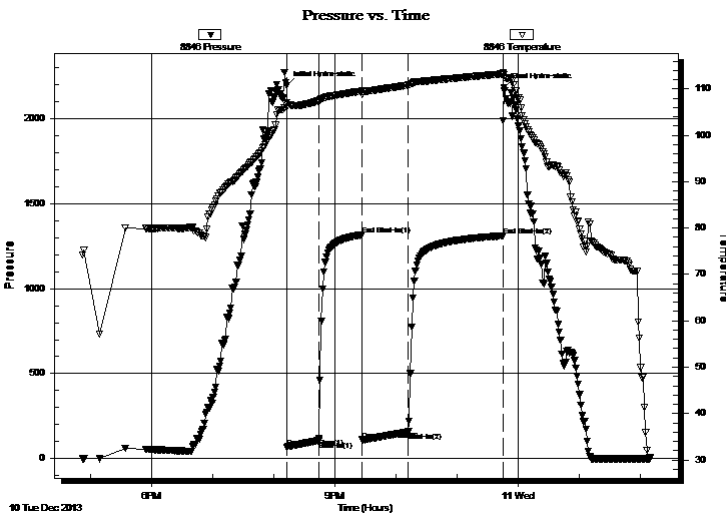
02:09:15

Time On Btm: 2013.12.10 @ 20:12:45

Time Off Btm: 2013.12.10 @ 23:46:15

TEST COMMENT: IF:Built to 1 1/2" blow
IS:No return blow
FF:Built to 2" blow
FS:No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2195.65	107.00	Initial Hydro-static
1	68.13	106.02	Open To Flow (1)
32	104.90	107.40	Shut-In(1)
74	1316.28	109.52	End Shut-In(1)
75	110.25	108.90	Open To Flow (2)
120	156.95	110.82	Shut-In(2)
213	1310.14	113.23	End Shut-In(2)
214	2182.28	113.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	mud 100%m	0.91

* 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.

9-15s-33w-Logan,KS

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

Gerber #1-9

Job Ticket: 54711

DST#: 4

ATTN: Wes Hanson

Test Start: 2013.12.10 @ 16:52:15

Tool Information

Drill Pipe:	Length: 4101.00 ft	Diameter: 3.80 inches	Volume: 57.53 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: 20000.00 lb
Drill Collar:	Length: 238.00 ft	Diameter: 2.25 inches	Volume: 1.17 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 58.70 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4348.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	122.00 ft			
Tool Length:	151.00 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			4320.00	
Shut In Tool	5.00			4325.00	
Hydraulic tool	5.00			4330.00	
Jars	5.00			4335.00	
Safety Joint	3.00			4338.00	
Packer	5.00			4343.00	29.00 Bottom Of Top Packer
Packer	5.00			4348.00	
Stubb	1.00			4349.00	
Recorder	0.00	8846	Inside	4349.00	
Recorder	0.00	8737	Outside	4349.00	
Perforations	4.00			4353.00	
Change Over Sub	1.00			4354.00	
Drill Pipe	93.00			4447.00	
Change Over Sub	1.00			4448.00	
Perforations	17.00			4465.00	
Bullnose	5.00			4470.00	122.00 Bottom Packers & Anchor
Total Tool Length:	151.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources Inc.

9-15s-33w-Logan,KS

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

Gerber #1-9

Job Ticket: 54711

DST#: 4

ATTN: Wes Hanson

Test Start: 2013.12.10 @ 16:52:15

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:

0 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.93 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	mud 100%m	0.915

Total Length: 186.00 ft

Total Volume: 0.915 bbl

Num Fluid Samples: 0

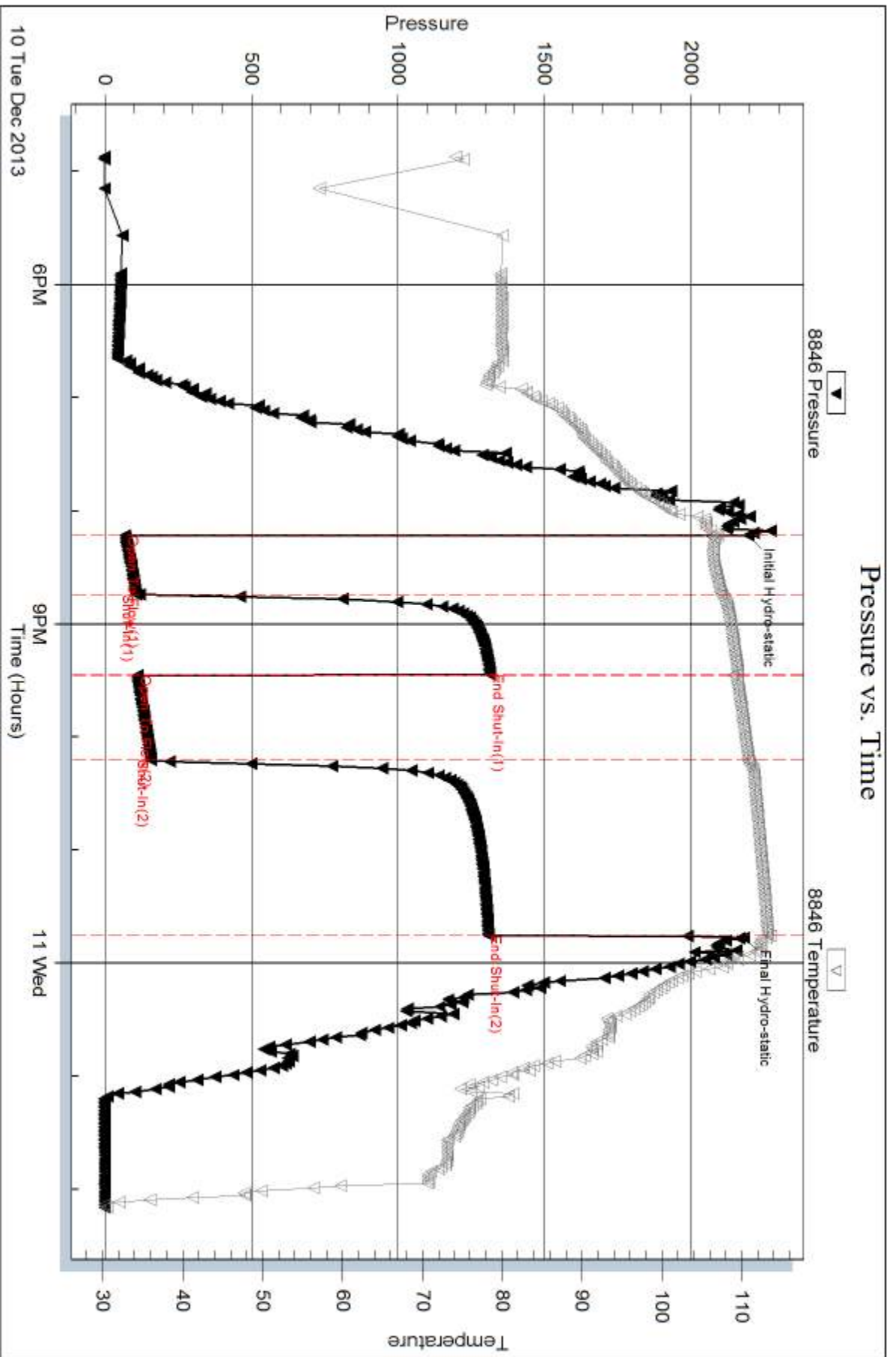
Num Gas Bombs: 0

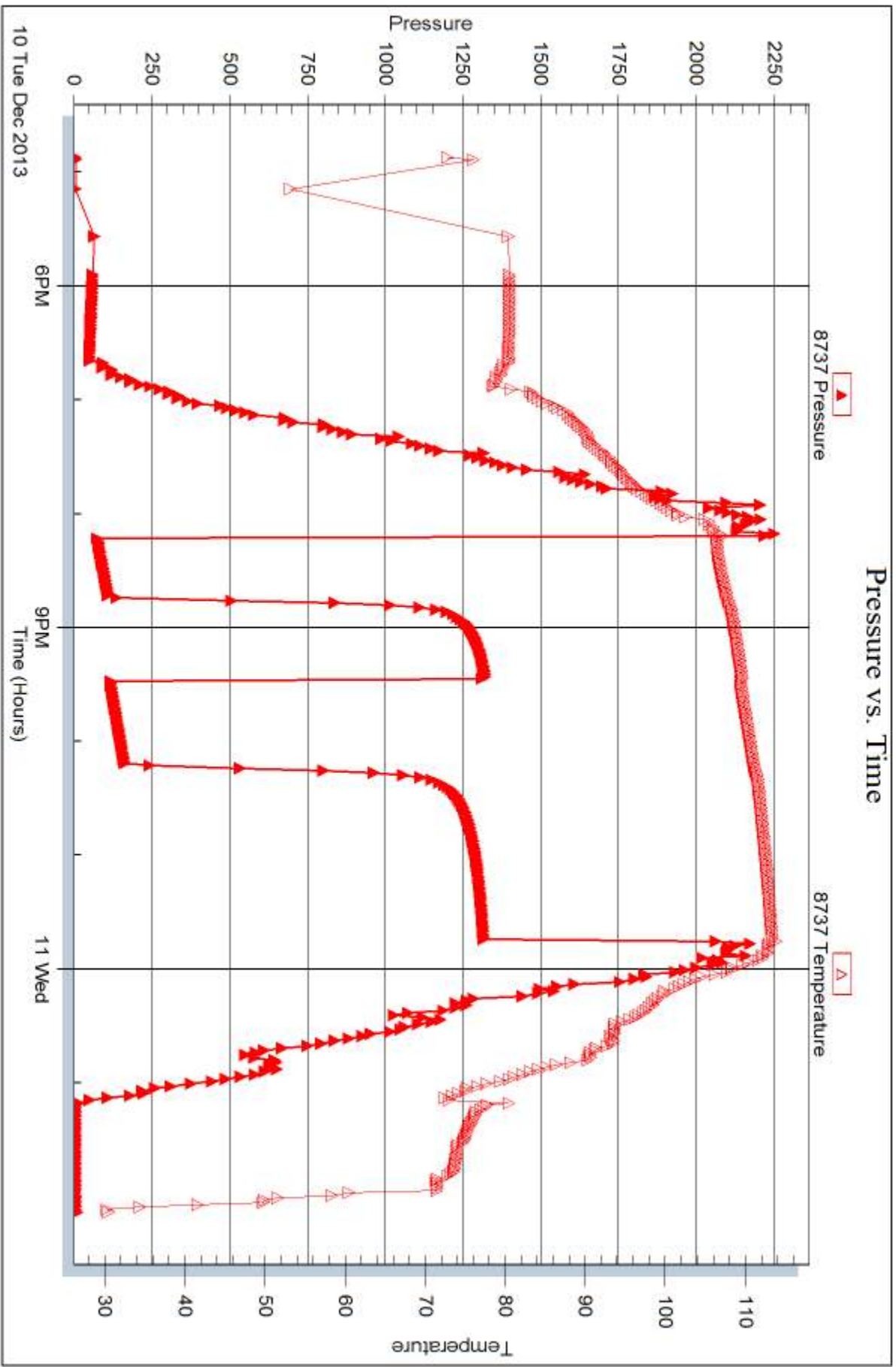
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc.**

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

ATTN: Wes Hanson

Gerber #1-9

9-15s-33w-Logan,KS

Start Date: 2013.12.11 @ 17:05:15

End Date: 2013.12.11 @ 23:53:00

Job Ticket #: 54712 DST #: 5

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

Printed: 2013.12.16 @ 13:44:15

Landmark Resources Inc. 9-15s-33w-Logan,KS Gerber #1-9 DST # 5 Johnson 2013.12.11



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Landmark Resources Inc.

9-15s-33w-Logan,KS

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

Gerber #1-9

Job Ticket: 54712

DST#: 5

ATTN: Wes Hanson

Test Start: 2013.12.11 @ 17:05:15

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:03:00

Time Test Ended: 23:53:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: 4470.00 ft (KB) To 4551.00 ft (KB) (TVD)

Reference Elevations: 2942.00 ft (KB)

Total Depth: 4551.00 ft (KB) (TVD)

2931.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8846

Inside

Press@RunDepth: 58.10 psig @ 4471.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.12.11

End Date:

2013.12.11

Last Calib.:

2013.12.12

Start Time: 17:05:15

End Time:

23:53:00

Time On Btm:

2013.12.11 @ 19:01:30

Time Off Btm:

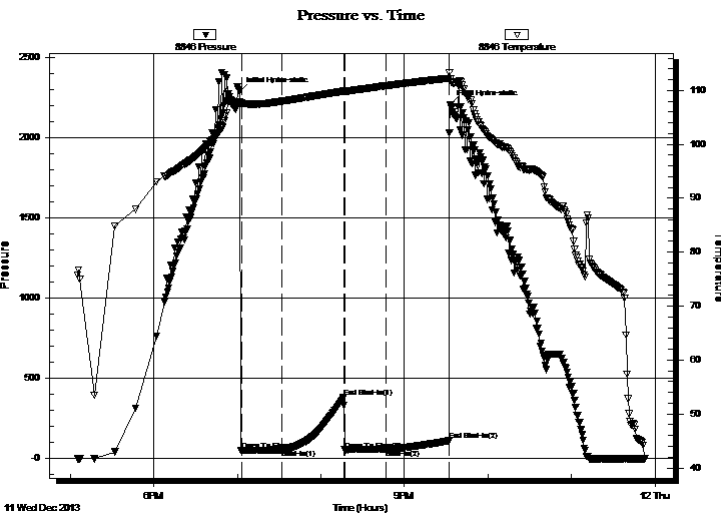
2013.12.11 @ 21:33:00

TEST COMMENT: IF: Built to weak surface blow

IS: No return blow

FF: No blow

FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2287.76	107.96	Initial Hydro-static
2	51.15	107.64	Open To Flow (1)
31	55.03	107.97	Shut-In(1)
75	382.57	109.86	End Shut-In(1)
76	55.49	109.81	Open To Flow (2)
106	58.10	110.87	Shut-In(2)
151	112.07	112.27	End Shut-In(2)
152	2204.09	112.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud with oil spots	0.05

* 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.

9-15s-33w-Logan,KS

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

Gerber #1-9

Job Ticket: 54712

DST#: 5

ATTN: Wes Hanson

Test Start: 2013.12.11 @ 17:05:15

Tool Information

Drill Pipe:	Length: 4228.00 ft	Diameter: 3.80 inches	Volume: 59.31 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 238.00 ft	Diameter: 2.25 inches	Volume: 1.17 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 60.48 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4470.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	81.00 ft			
Tool Length:	110.00 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			4442.00	
Shut In Tool	5.00			4447.00	
Hydraulic tool	5.00			4452.00	
Jars	5.00			4457.00	
Safety Joint	3.00			4460.00	
Packer	5.00			4465.00	29.00 Bottom Of Top Packer
Packer	5.00			4470.00	
Stubb	1.00			4471.00	
Recorder	0.00	8846	Inside	4471.00	
Recorder	0.00	8737	Outside	4471.00	
Perforations	4.00			4475.00	
Change Over Sub	1.00			4476.00	
Drill Pipe	62.00			4538.00	
Change Over Sub	1.00			4539.00	
Perforations	7.00			4546.00	
Bullnose	5.00			4551.00	81.00 Bottom Packers & Anchor
Total Tool Length:	110.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources Inc.

9-15s-33w-Logan,KS

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

Gerber #1-9

Job Ticket: 54712

DST#: 5

ATTN: Wes Hanson

Test Start: 2013.12.11 @ 17:05:15

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:

0 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.92 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud w ith oil spots	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

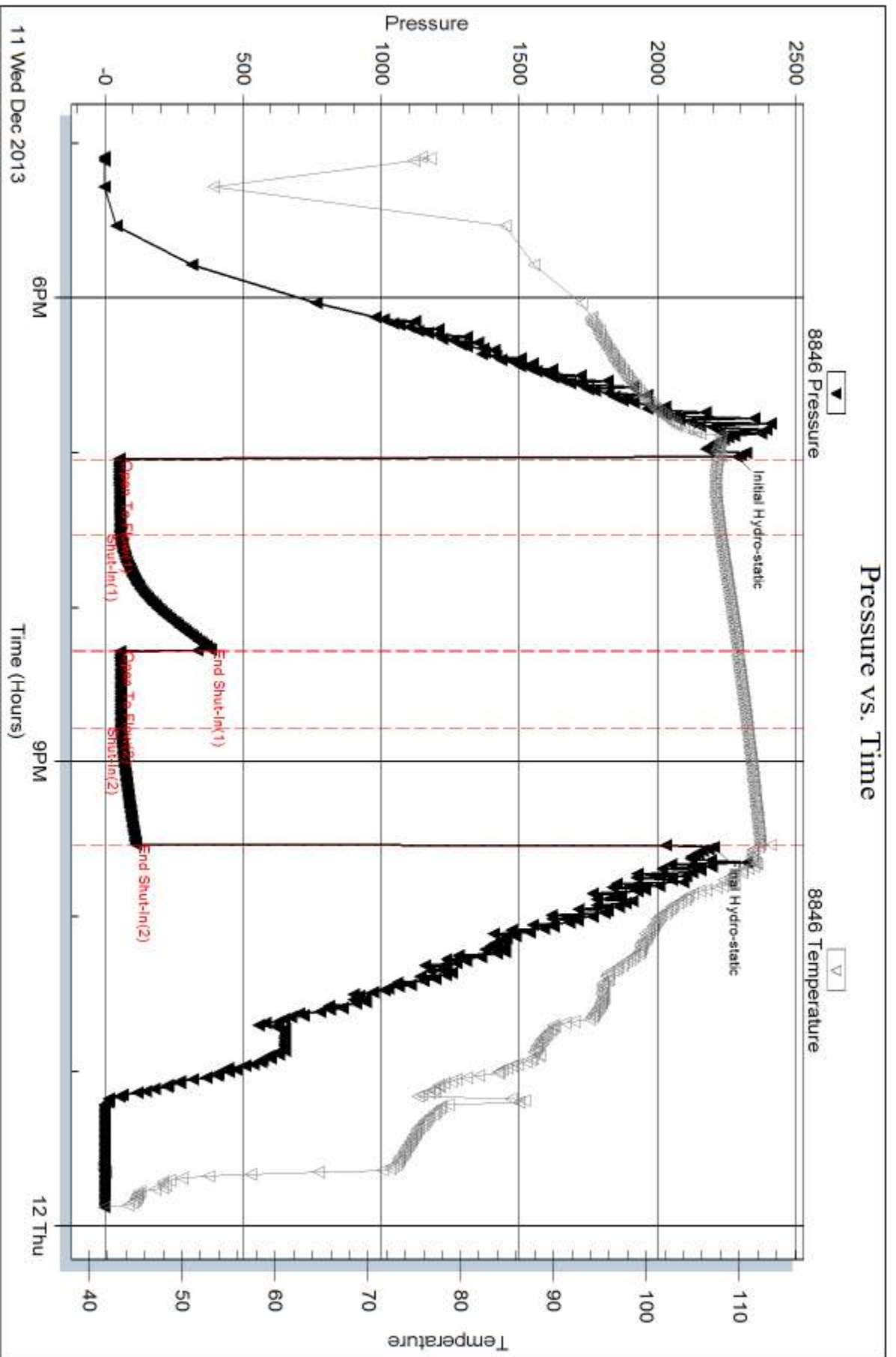
Num Gas Bombs: 0

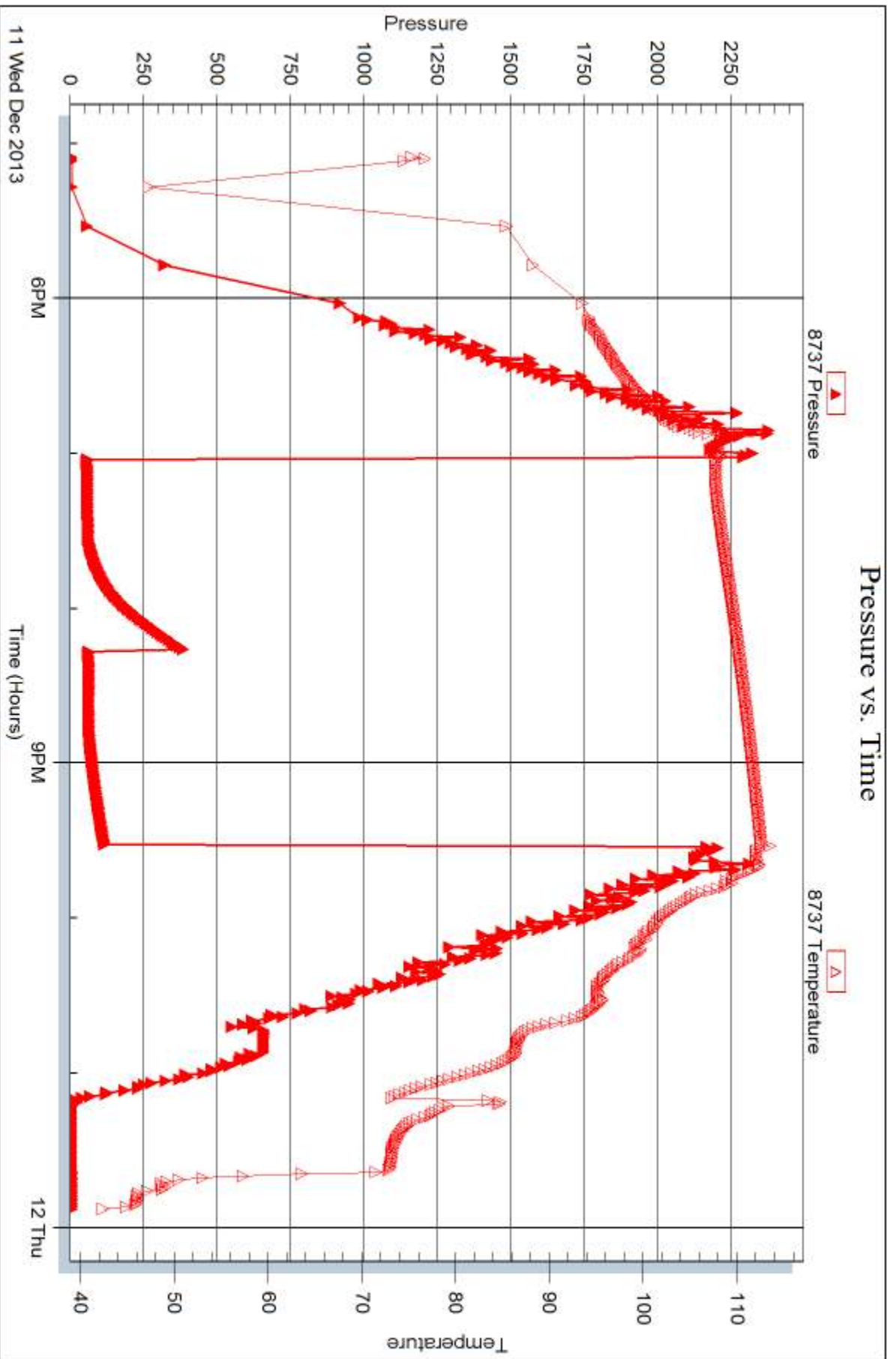
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc.**

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

ATTN: Wes Hanson

Gerber #1-9

9-15s-33w-Logan,KS

Start Date: 2013.12.13 @ 01:10:52

End Date: 2013.12.13 @ 10:20:22

Job Ticket #: 54672 DST #: 6

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

Printed: 2013.12.16 @ 13:37:18



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Landmark Resources Inc.

9-15s-33w-Logan,KS

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

Gerber #1-9

Job Ticket: 54672

DST#: 6

ATTN: Wes Hanson

Test Start: 2013.12.13 @ 01:10:52

GENERAL INFORMATION:

Formation: I

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:43:37

Time Test Ended: 10:20:22

Test Type: Conventional Straddle (Reset)

Tester: Shane McBride

Unit No: 55

Interval: 4104.00 ft (KB) To 4122.00 ft (KB) (TVD)

Reference Elevations: 2942.00 ft (KB)

Total Depth: 4680.00 ft (KB) (TVD)

2931.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8844

Outside

Press@RunDepth: 900.86 psig @ 4105.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.12.13

End Date:

2013.12.13

Last Calib.:

2013.12.13

Start Time: 01:11:07

End Time:

09:58:22

Time On Btm:

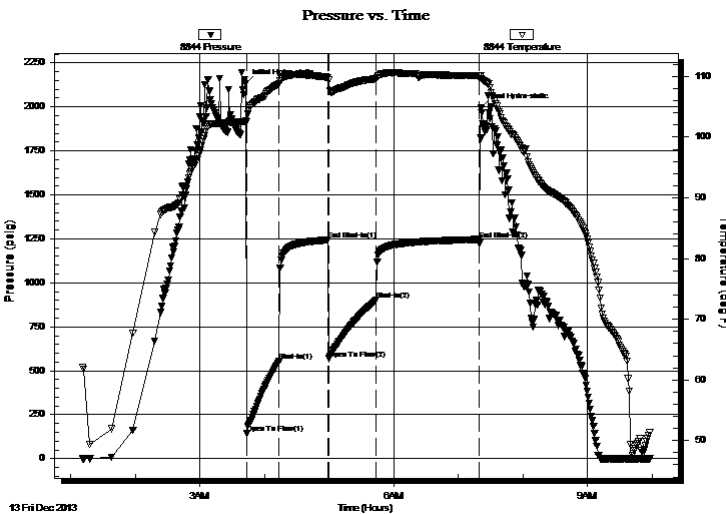
2013.12.13 @ 03:42:37

Time Off Btm:

2013.12.13 @ 07:21:22

TEST COMMENT: B.O.B. in 2 1/2 min
No return
B.O.B. in 4 1/2 min.
No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2131.72	102.64	Initial Hydro-static
1	142.01	102.55	Open To Flow (1)
31	556.50	108.78	Shut-In(1)
77	1244.28	109.85	End Shut-In(1)
77	568.59	109.39	Open To Flow (2)
121	900.86	109.61	Shut-In(2)
217	1246.77	110.10	End Shut-In(2)
219	1993.79	109.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	water under circ sub 100%w	0.59
1488.00	m c w 15m 85w (reversed out)	19.79
272.00	m c w 40m 60w	3.82

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.

9-15s-33w-Logan,KS

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

Gerber #1-9

Job Ticket: 54672

DST#: 6

ATTN: Wes Hanson

Test Start: 2013.12.13 @ 01:10:52

Tool Information

Drill Pipe:	Length: 3852.00 ft	Diameter: 3.80 inches	Volume: 54.03 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 239.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 105000.0 lb
			<u>Total Volume: 55.21 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 74000.00 lb
Depth to Top Packer:	4104.00 ft			Final 86000.00 lb
Depth to Bottom Packer:	4680.00 ft			
Interval between Packers:	576.00 ft			
Tool Length:	604.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			4077.00	
Shut In Tool	5.00			4082.00	
Hydraulic tool	5.00			4087.00	
Jars	5.00			4092.00	
Safety Joint	3.00			4095.00	
Packer	5.00			4100.00	28.00 Bottom Of Top Packer
Packer	4.00			4104.00	
Stubb	1.00			4105.00	
Recorder	0.00	6771	Inside	4105.00	
Recorder	0.00	8844	Outside	4105.00	
Perforations	13.00			4118.00	
Blank Off Sub	1.00			4119.00	
top of s packer	3.00			4122.00	
Packer - Shale	0.00			4122.00	
Stubb	1.00			4123.00	
Anchor	15.00			4138.00	
Recorder	0.00	8353	Below	4138.00	
Change Over Sub	1.00			4139.00	
Drill Pipe	535.00			4674.00	
Change Over Sub	1.00			4675.00	
Bullnose	5.00			4680.00	576.00 Bottom Packers & Anchor

Total Tool Length: 604.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources Inc.

9-15s-33w-Logan,KS

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

Gerber #1-9

Job Ticket: 54672

DST#: 6

ATTN: Wes Hanson

Test Start: 2013.12.13 @ 01:10:52

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:

27000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.17 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
120.00	water under circ sub 100%w	0.590
1488.00	m c w 15m 85w (reversed out)	19.789
272.00	m c w 40m 60w	3.815

Total Length: 1880.00 ft Total Volume: 24.194 bbl

Num Fluid Samples: 0

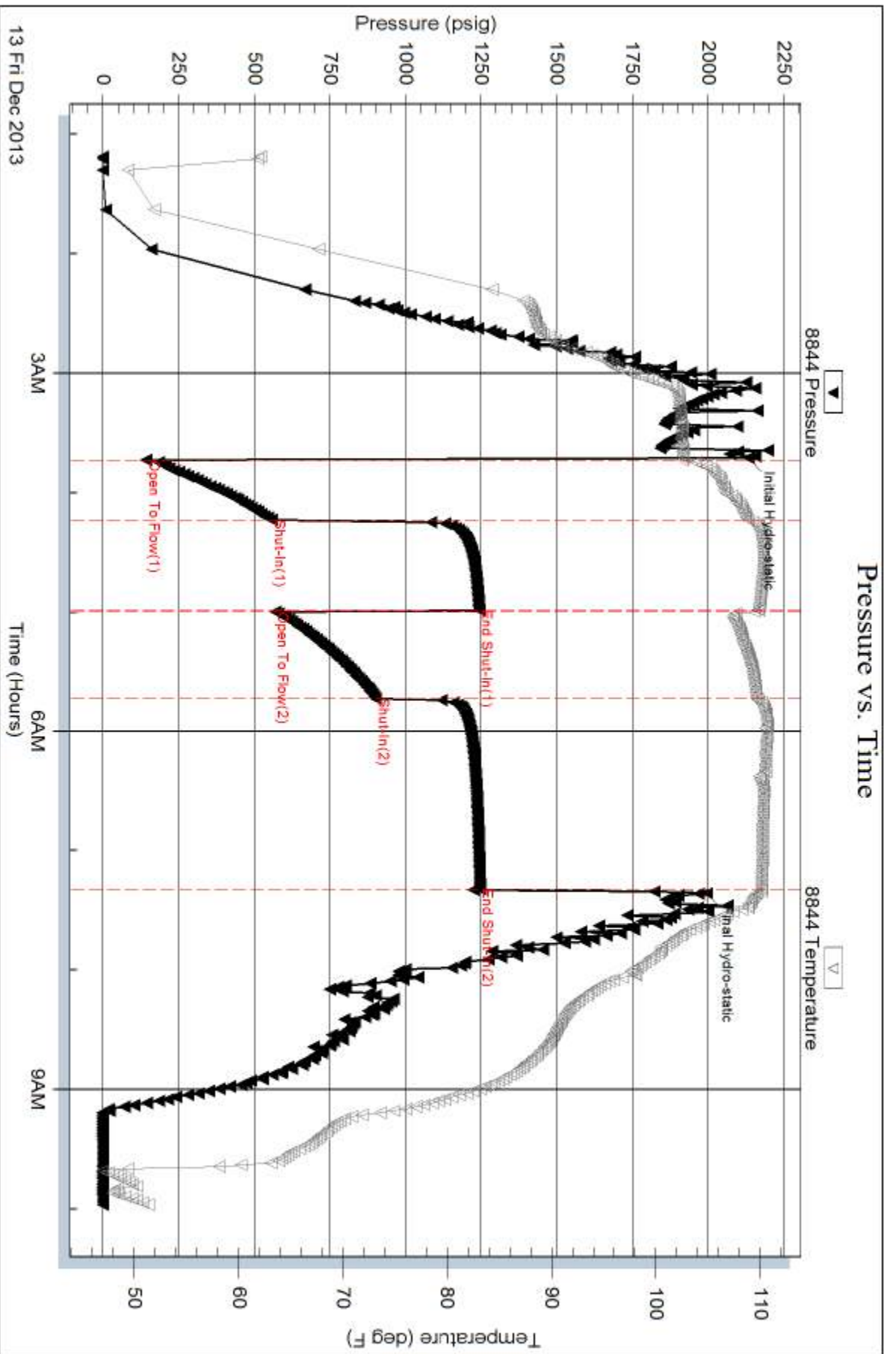
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw .361 @50*f = 27,000 chlor



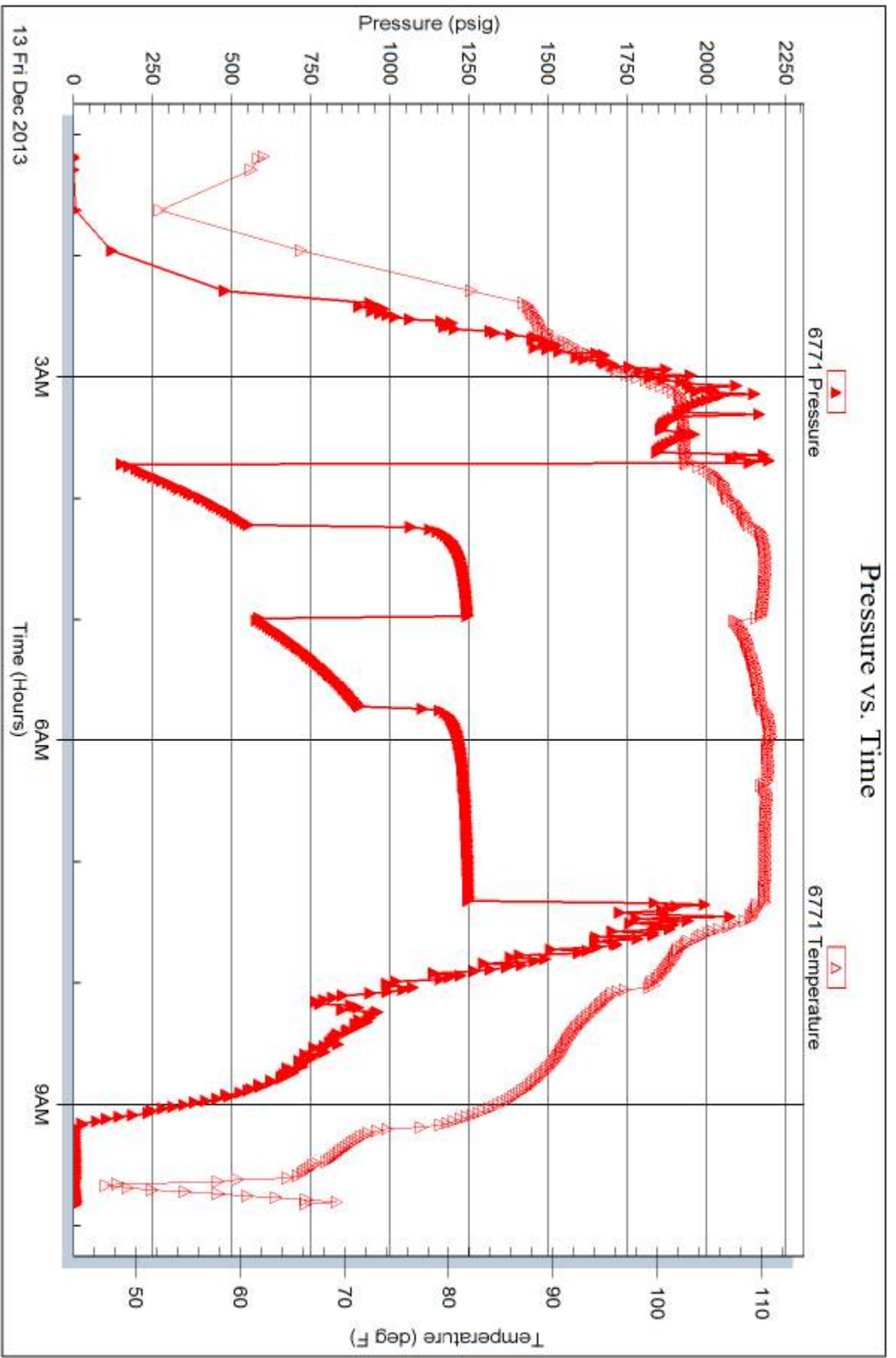
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Inside

Landmark Resources Inc.

Gerber #1-9

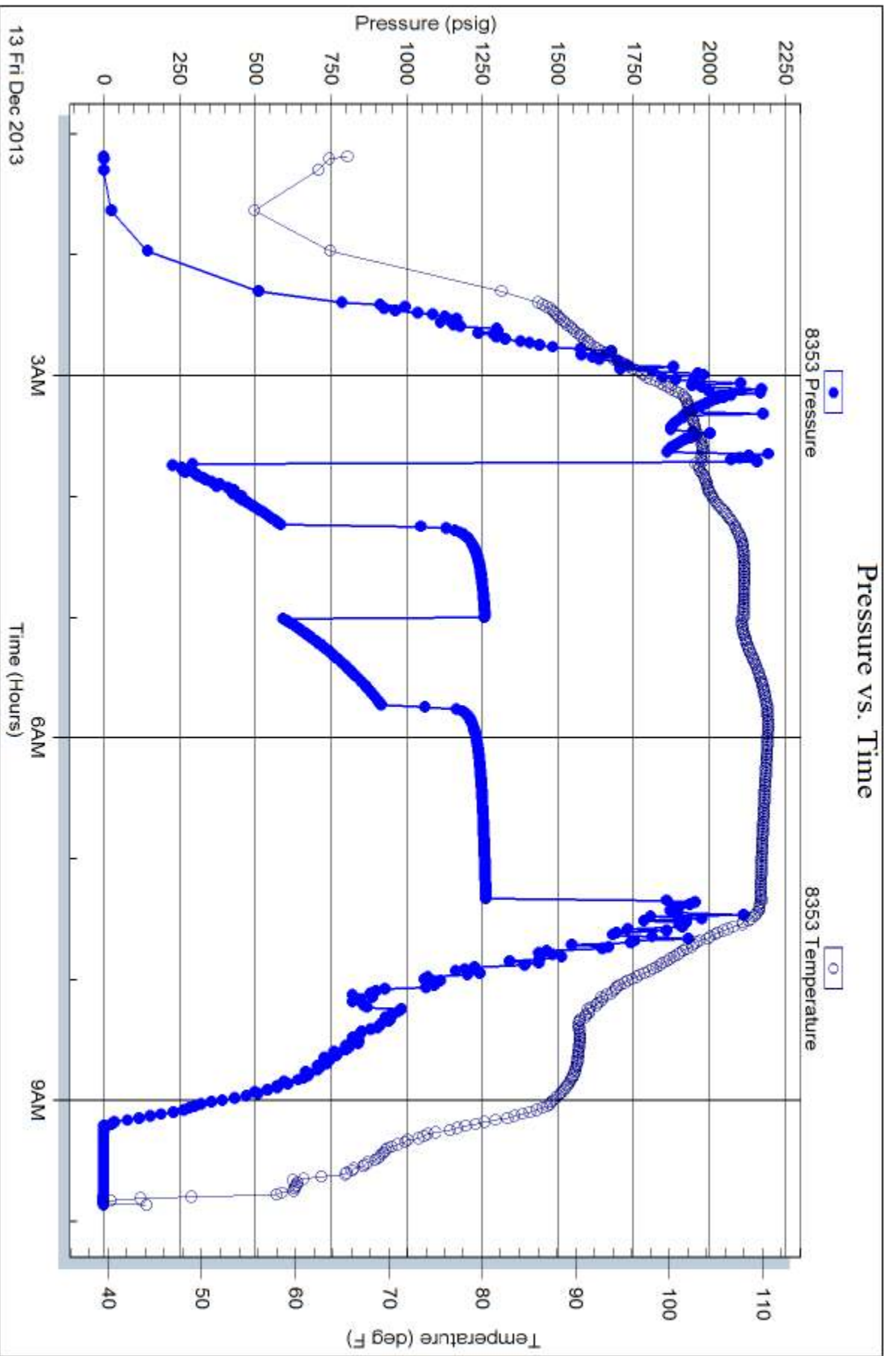
DST Test Number: 6



Triobite Testing, Inc

Ref. No: 54672

Printed: 2013.12.16 @ 13:37:20





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 54547

Well Name & No. Gerber #1-9 Test No. 1 Date 12-7-13
 Company Landmark Resources Inc. Elevation 2942 KB 2931 GL
 Address 1166 S. Voss Rd. STE 600 - Houston, TX 77057
 Co. Rep / Geo. Wes Hanson Rig Murfin #22
 Location: Sec. 9 Twp. 15-S Rge. 33-W Co. Logan State KS

Interval Tested 3931-4002 Zone Tested Lansing "C-D-E"
 Anchor Length 71' Anchor 88' Tailpipe Drill Pipe Run ~~3094~~ 3694 Mud Wt. 9.1
 Top Packer Depth 3927 Drill Collars Run 238 Vis 48
 Bottom Packer Depth 3931 Wt. Pipe Run 8 WL 6-2
 Total Depth 4090 Chlorides 2,000 ppm System LCM #8

Blow Description IF: Bob in 6 min.
ISF: Bled off in 2 1/2 min - weak surface blowback - Dried in 10 min.
FF: Bob in 6 min.
FSI: Bled off in 2 1/2 min - surface blowback - Dried in 15 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>945</u>	<u>WC m with oil specs</u>		<u>10</u>	<u>90</u>	
<u>250</u>	<u>Gm CW Trace of oil</u>	<u>5</u>	<u>80</u>	<u>15</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1195 BHT 109 Gravity — API RW 1.3 @ 30 °F Chlorides 10,000 ppm

(A) Initial Hydrostatic 1908 Test 1250 T-On Location 05:48
 (B) First Initial Flow 31 Jars 250 T-Started 07:01
 (C) First Final Flow 265 Safety Joint 75 T-Open 09:12
 (D) Initial Shut-In 1160 Circ Sub N/C T-Pulled 12:42
 (E) Second Initial Flow 272 Hourly Standby T-Out 15:55
 (F) Second Final Flow 473 Mileage GHRT 99.20 Comments _____
 (G) Final Shut-In 1157 Sampler _____
 (H) Final Hydrostatic 1897 Straddle 600 Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 90
 Sub Total 0
 Total 2274.20
 MP/DST Disc't _____

Approved By Wesley Hansen 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. 54548

Well Name & No. Gerbert#1-9 Test No. 2 Date 12-8-13
 Company Landmark Resources Inc Elevation 2942 KB 2931 GL
 Address 1666 S. Voss Road STE 600 Houston, TX 77057
 Co. Rep / Geo. Wes Hanson Rig Murfin #22
 Location: Sec. 9 Twp. 15-5 Rge. 33-W Co. Logan State KS

Interval Tested 4237-4300 Zone Tested Marmaton
 Anchor Length 63' Drill Pipe Run 3978. Mud Wt. 9.3
 Top Packer Depth 4233 Drill Collars Run 238 Vis 51
 Bottom Packer Depth 4237 Wt. Pipe Run Ø WL 8.8
 Total Depth 4300 Chlorides 4000 ppm System LCM #8

Blow Description IF: 2in. of Blow
ISE: Bled off - No Return
FF: ~~Surface~~ Surface blow after 7mm. open - but 4 to 1 in. of Blow
FSE: Bled off - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>GMCO</u>	<u>5%</u>	<u>85%</u>	<u>10%</u>	<u></u>
<u>50</u>	<u>CGO</u>	<u>5%</u>	<u>95%</u>	<u></u>	<u></u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 70 BHT 109 Gravity 34 API RW — @ — F Chlorides — ppm

(A) Initial Hydrostatic 2119 Test 1250 T-On Location 16:00
 (B) First Initial Flow 19 Jars 250 T-Started 17:25
 (C) First Final Flow 29 Safety Joint 75 T-Open 20:02
 (D) Initial Shut-In 742 Circ Sub N/C T-Pulled 23:32
 (E) Second Initial Flow 34 Hourly Standby _____ T-Out 02:13
 (F) Second Final Flow 46 Mileage 99.20 Comments _____
 (G) Final Shut-In 784 Sampler _____
 (H) Final Hydrostatic 2100 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 1674.20
 Final Shut-In 90 Accessibility _____ MP/DST Disc't _____
 Sub Total 1674.20

Approved By Wesley Hanson 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. 54710

Well Name & No. Landmark Resources, Inc Test No. 3 Date 12-9-13
 Company Gerber #1-9 Elevation 2942 KB 281 GL
 Address 1616 S. Voss Road STE 400 Houston TX 77057
 Co. Rep / Geo. Wes Hansen Rig Martin 22
 Location: Sec. 9 Twp. 15s Rge. 33w Co. Logan State KS

Interval Tested 4300-4350 Zone Tested Lower Altamont
 Anchor Length 50 Drill Pipe Run 4039 Mud Wt. 9.3
 Top Packer Depth 4296 Drill Collars Run ~~230~~ 238 Vis 52
 Bottom Packer Depth 4300 Wt. Pipe Run Ø WL 9.4
 Total Depth 4350 Chlorides 4200 ppm System LCM 4
 Blow Description IF: Boilt to 1/2" Blow
IS: NO Return Blow
FF: NO Blow
FS: NO Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</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 62 BHT 110 Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic <u>2176</u>	<input checked="" type="checkbox"/> Test <u>1250.00</u>	T-On Location <u>14:30</u>
(B) First Initial Flow <u>41</u>	<input checked="" type="checkbox"/> Jars <u>250.00</u>	T-Started <u>15:14</u>
(C) First Final Flow <u>46</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>17:11</u>
(D) Initial Shut-In <u>1297</u>	<input checked="" type="checkbox"/> Circ Sub <u>NL</u>	T-Pulled <u>19:50</u>
(E) Second Initial Flow <u>52</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>22:06</u>
(F) Second Final Flow <u>58</u>	<input checked="" type="checkbox"/> Mileage <u>80 RT 124.00</u>	Comments
(G) Final Shut-In <u>1222</u>	<input type="checkbox"/> Sampler <u>99.20</u>	
(H) Final Hydrostatic <u>2136</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>55</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1674.20</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't

Sub Total 1674.20 1699.00%

Approved By Wes Hansen

Our Representative Mike Roberts

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. **54711**

Well Name & No. Gerber #1-9 Test No. 4 Date 12-10-13
 Company Landmark Resources Inc. Elevation 2942 KB 2931 GL
 Address 1616 S. Voss Road STE 600 Houston TX 77057
 Co. Rep / Geo. Wes Hansen Rig Murfin 22
 Location: Sec. 9 Twp. 15S Rge. 33W Co. ~~Scott~~ Logan State KS

Interval Tested 4348-4470 Zone Tested Pawnee - Cherokee
 Anchor Length 122 Drill Pipe Run 4101 Mud Wt. 9.3
 Top Packer Depth 4344 Drill Collars Run 238 Vis 52
 Bottom Packer Depth 4348 Wt. Pipe Run Ø WL 8.0
 Total Depth 4470 Chlorides 6400 ppm System LCM 8

Blow Description IF: Built to 1 1/2" Blow
IS: No Return Blow
FF: Built to 2" Blow
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>186</u>	<u>MUD</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 186 BHT 112 Gravity - API RW - @ - °F Chlorides - ppm

- (A) Initial Hydrostatic 2195
- (B) First Initial Flow 68
- (C) First Final Flow 104
- (D) Initial Shut-In 1316
- (E) Second Initial Flow 110
- (F) Second Final Flow 156
- (G) Final Shut-In 1310
- (H) Final Hydrostatic 2182

- Test 1250.00
- Jars 250.00
- Safety Joint 75.00
- Circ Sub NC
- Hourly Standby
- Mileage BORT 124.00
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1674.20 1699.00

- T-On Location 16:00
- T-Started 16:52
- T-Open ~~20:12~~ 20:12
- T-Pulled 23:42
- T-Out 02:09

- Comments
- Ruined Shale Packer
- Ruined Packer
- Extra Copies
- Sub Total 0
- Total 1674.20
- MP/DST Disc't

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

Approved By Wesley Hansen Our Representative Mike Rohrb

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 54712

Well Name & No. Greider # 1-9 Test No. 5 Date 12-11-13
 Company LandMark Resources Inc. Elevation 2942 KB 2931 GL
 Address 1616 S. Voss Rd. STE 600 Houston Tx 77057
 Co. Rep / Geo. Wes Hansen Rig Murfin 22
 Location: Sec. 9 Twp. 15S Rge. 33W Co. Logan State KS

Interval Tested 4470-4551 Zone Tested Johnson
 Anchor Length 81 Drill Pipe Run 4228 Mud Wt. 9.4
 Top Packer Depth 4466 Drill Collars Run 238 Vis 55
 Bottom Packer Depth 4470 Wt. Pipe Run 0 WL 8000/12.0
 Total Depth 4551 Chlorides 8000 ppm System LCM 8

Blow Description IF: Built to Weak Surface Blow
IS: No Return Blow
FF: No Blow
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>MUD with oil 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 10 BHT 112 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2287</u>	<input checked="" type="checkbox"/> Test <u>1250.00</u>	T-On Location <u>17:00</u>
(B) First Initial Flow <u>51</u>	<input checked="" type="checkbox"/> Jars <u>250.00</u>	T-Started <u>17:05</u>
(C) First Final Flow <u>55</u>	<input checked="" type="checkbox"/> Safety Joint <u>75.00</u>	T-Open <u>19:02</u>
(D) Initial Shut-In <u>382</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>21:32</u>
(E) Second Initial Flow <u>55</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>23:53</u>
(F) Second Final Flow <u>58</u>	<input checked="" type="checkbox"/> Mileage <u>BORT 124.00</u>	Comments <u>Mileage x 2</u>
(G) Final Shut-In <u>112</u>	<input type="checkbox"/> Sampler <u>198.40</u>	<u>Loaded tools 12-12-13</u>
(H) Final Hydrostatic <u>2204</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

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

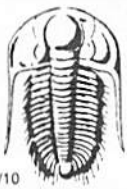
Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Sub Total 1773.40 1699.00

MP/DST Disc't _____

Approved By Wesley Hansen Our Representative Mike Roberts

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **54672**

Well Name & No. Gerber #1-9 Test No. #6 Date 12/13/13
 Company Landmark Resources, Inc Elevation 2942 KB 2931 GL
 Address 1616 S. Voss Rd. Ste 600 Houston, TX 77057
 Co. Rep / Geo. Wes Hanson Rig Martin #22
 Location: Sec. 9 Twp. 15S Rge. 33W Co. Logan State Ks

Interval Tested 4104 4122 Zone Tested I
 Anchor Length 18 Drill Pipe Run 3852' Mud Wt. 9.2
 Top Packer Depth 4099 4104 Drill Collars Run 239 Vis 48
 Bottom Packer Depth 4122 Wt. Pipe Run — WL 8.2
 Total Depth 558' tail pipe 4680 Chlorides 6,300 ppm System LCM #9

Blow Description B.O.B in 2 1/2 min
No return
B.O.B. in 4 1/2 min.
No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>272</u>	<u>Feet of mcs w</u>		<u>40</u>	<u>60</u>	
<u>1488</u>	<u>Feet of mcs w</u>		<u>85</u>	<u>15</u>	
<u>120</u>	<u>Feet of water</u>		<u>100</u>		

Rec Total 1880' BHT 110° Gravity — API RW .361 @ 50° F Chlorides 27000 ppm

(A) Initial Hydrostatic <u>2130</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>00:10</u>
(B) First Initial Flow <u>142</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>06:10</u>
(C) First Final Flow <u>556</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>03:45</u>
(D) Initial Shut-In <u>1244</u>	<input checked="" type="checkbox"/> Circ Sub <u>450.00</u>	T-Pulled <u>07:15</u>
(E) Second Initial Flow <u>568</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>10:20</u>
(F) Second Final Flow <u>900</u>	<input checked="" type="checkbox"/> Mileage <u>658</u> <u>99.20</u>	Comments
(G) Final Shut-In <u>1246</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1993</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
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>2374.20</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>2374.20</u>	

Approved By Wesley Hanson Our Representative [Signature]

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