



DRILL STEM TEST REPORT

Prepared For: **Landmark Resources**

1616 S. Voss rd ste 600
Houston, TX 77057

ATTN: Terry McLeod

Janzen #2-7

7-17-33 Scott KS

Start Date: 2014.05.15 @ 07:22:15

End Date: 2014.05.15 @ 13:51:45

Job Ticket #: 56481 DST #: 1

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

Printed: 2014.05.20 @ 15:27:16



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Landmark Resources
 1616 S. Voss rd ste 600
 Houston, TX 77057
 ATTN: Terry McLeod

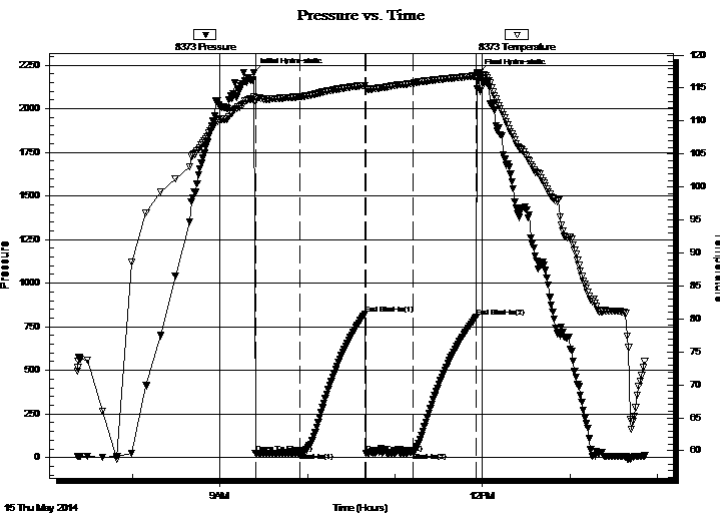
7-17-33 Scott KS
Janzen #2-7
 Job Ticket: 56481 **DST#: 1**
 Test Start: 2014.05.15 @ 07:22:15

GENERAL INFORMATION:

Formation: **Marmaton**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:24:15
 Time Test Ended: 13:51:45
 Interval: **4408.00 ft (KB) To 4460.00 ft (KB) (TVD)**
 Total Depth: 4460.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brandon Turley
 Unit No: 60
 Reference Elevations: 3101.00 ft (KB)
 3091.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8373 Inside
 Press@RunDepth: 30.93 psig @ 4409.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.05.15 End Date: 2014.05.15 Last Calib.: 2014.05.15
 Start Time: 07:22:20 End Time: 13:51:44 Time On Btm: 2014.05.15 @ 09:23:15
 Time Off Btm: 2014.05.15 @ 11:56:45

TEST COMMENT: IF: Surface blow died in 7 min.
 IS: No return.
 FF: No blow.
 FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2204.88	113.66	Initial Hydro-static
1	24.53	112.98	Open To Flow (1)
32	27.49	113.69	Shut-In(1)
76	822.48	115.43	End Shut-In(1)
77	25.38	114.87	Open To Flow (2)
109	30.93	115.74	Shut-In(2)
153	804.52	116.87	End Shut-In(2)
154	2200.90	117.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100%m	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Landmark Resources

7-17-33 Scott KS

1616 S. Voss rd ste 600
Houston, TX 77057

Janzen #2-7

Job Ticket: 56481

DST#: 1

ATTN: Terry McLeod

Test Start: 2014.05.15 @ 07:22:15

Tool Information

Drill Pipe:	Length: 4142.00 ft	Diameter: 3.80 inches	Volume: 58.10 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 247.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 59.31 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	4408.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	52.00 ft			
Tool Length:	75.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Stubb	1.00			4386.00	
Shut In Tool	5.00			4391.00	
Hydraulic tool	5.00			4396.00	
Safety Joint	3.00			4399.00	
Packer	5.00			4404.00	23.00 Bottom Of Top Packer
Packer	4.00			4408.00	
Stubb	1.00			4409.00	
Recorder	0.00	8373	Inside	4409.00	
Recorder	0.00	8356	Outside	4409.00	
Perforations	13.00			4422.00	
Change Over Sub	1.00			4423.00	
Drill Pipe	31.00			4454.00	
Change Over Sub	1.00			4455.00	
Bullnose	5.00			4460.00	52.00 Bottom Packers & Anchor

Total Tool Length: 75.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources

7-17-33 Scott KS

1616 S. Voss rd ste 600
Houston, TX 77057

Janzen #2-7

Job Ticket: 56481

DST#: 1

ATTN: Terry McLeod

Test Start: 2014.05.15 @ 07:22:15

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: 59.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: 5000.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 0.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
10.00	mud 100%m	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

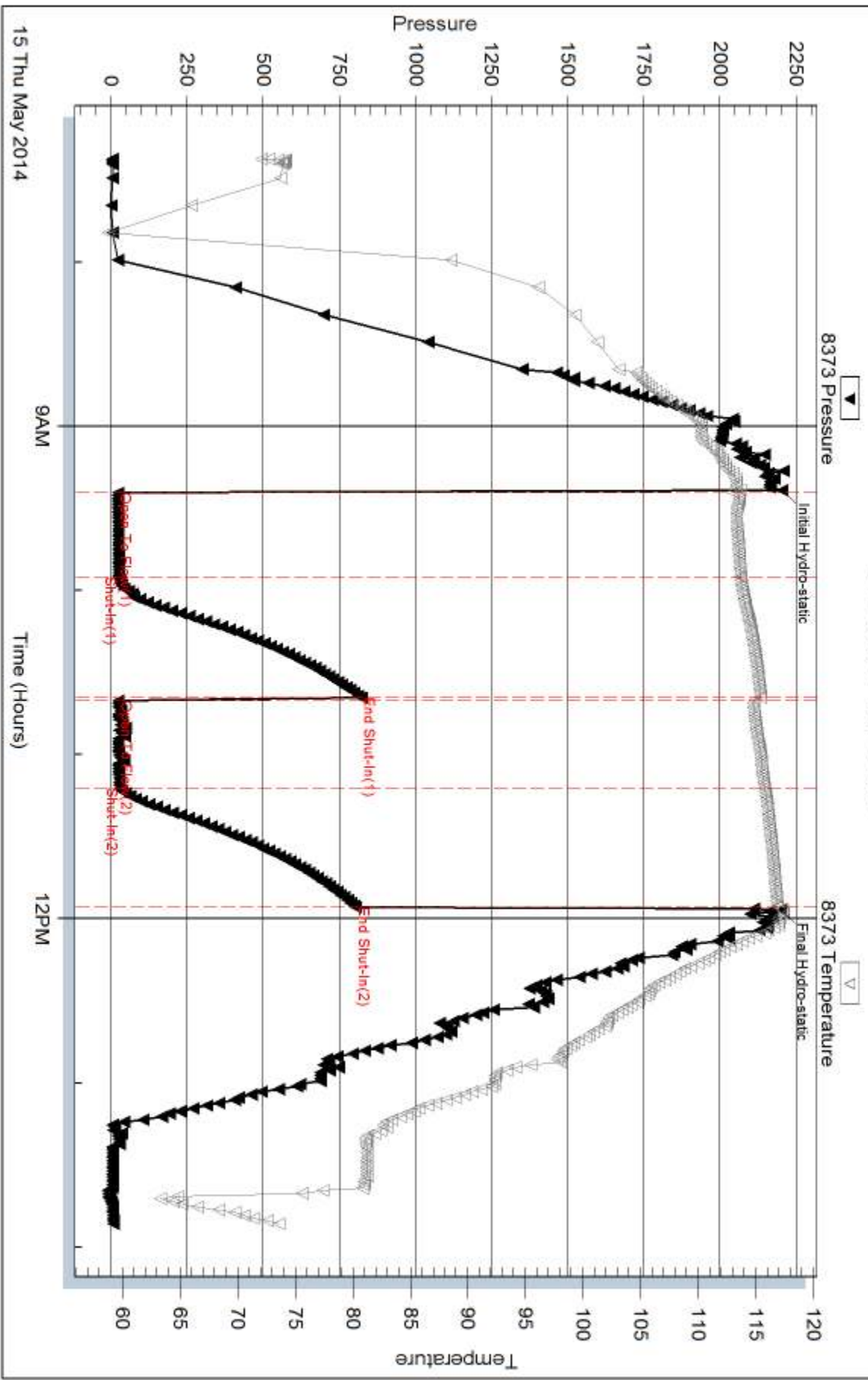
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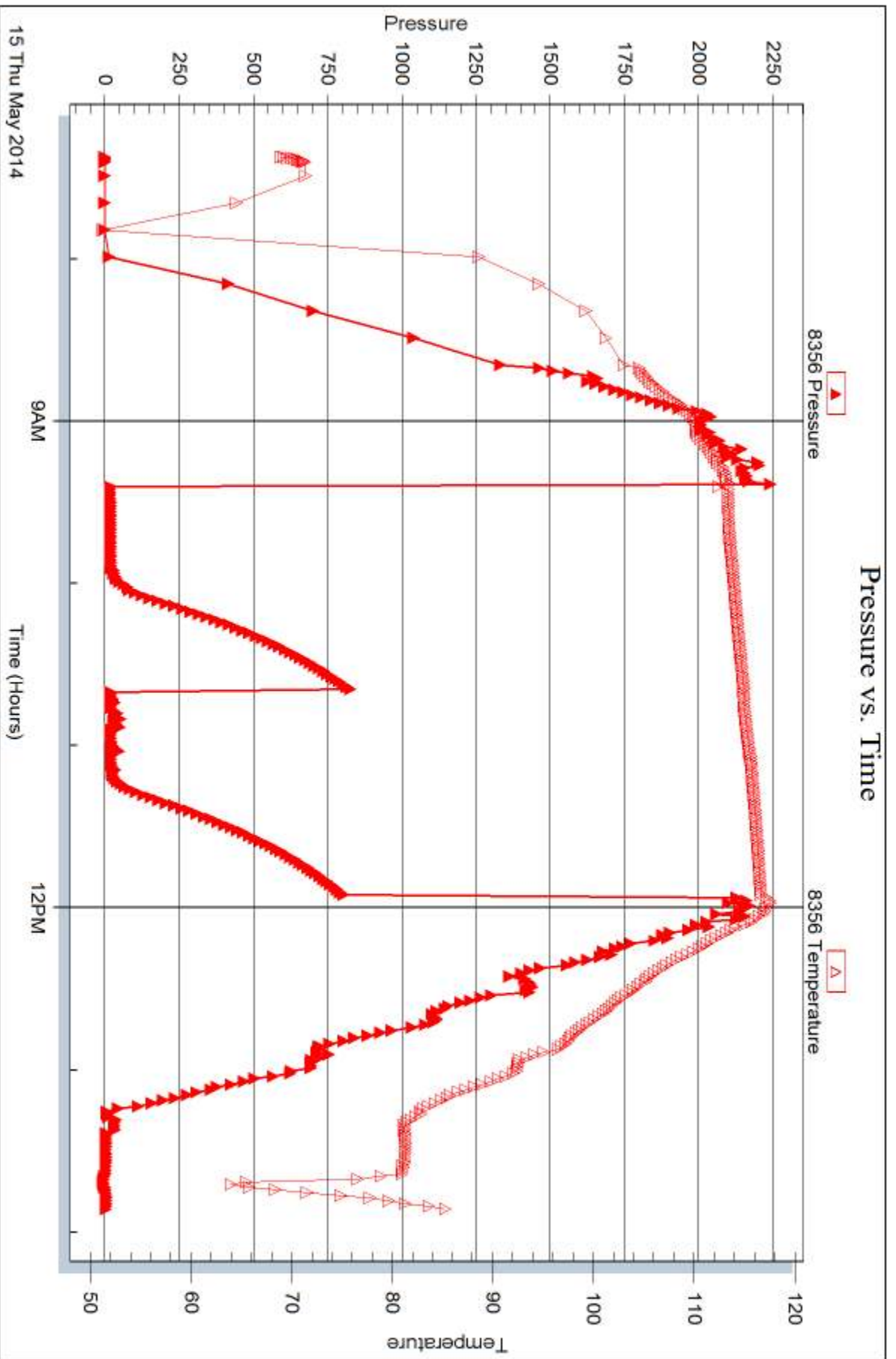
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Landmark Resources**

1616 S. Voss rd ste 600
Houston, TX 77057

ATTN: Terry McLeod

Janzen #2-7

7-17-33 Scott KS

Start Date: 2014.05.15 @ 22:02:46

End Date: 2014.05.16 @ 05:19:16

Job Ticket #: 56482 DST #: 2

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

Printed: 2014.05.20 @ 15:26:54



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Landmark Resources
1616 S. Voss rd ste 600
Houston, TX 77057
ATTN: Terry McLeod

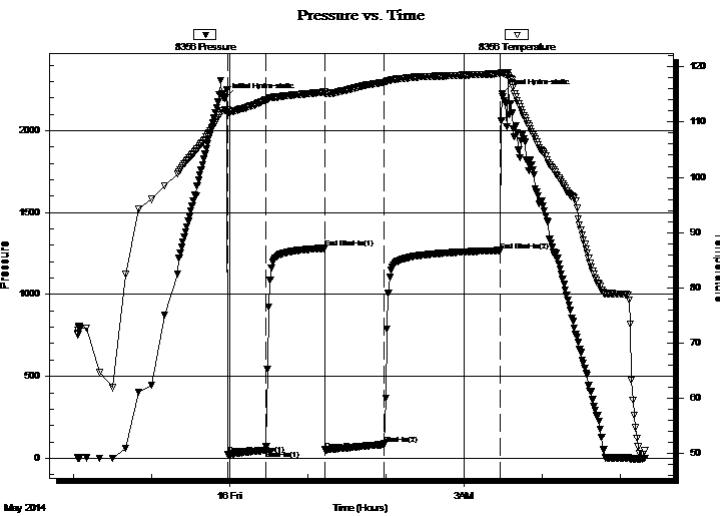
7-17-33 Scott KS
Janzen #2-7
Job Ticket: 56482 **DST#: 2**
Test Start: 2014.05.15 @ 22:02:46

GENERAL INFORMATION:

Formation: **Altamont**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:58:16
Time Test Ended: 05:19:16
Interval: **4456.00 ft (KB) To 4500.00 ft (KB) (TVD)**
Total Depth: 4500.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 60
Reference Elevations: 3101.00 ft (KB)
3091.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8356 Outside
Press@RunDepth: 84.94 psig @ 4457.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.05.15 End Date: 2014.05.16 Last Calib.: 2014.05.16
Start Time: 22:02:51 End Time: 05:19:15 Time On Btm: 2014.05.15 @ 23:56:46
Time Off Btm: 2014.05.16 @ 03:29:16

TEST COMMENT: IF: Surface blow built to 2"
IS: No return.
FF: Surface blow built to 2"
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2201.35	112.21	Initial Hydro-static
2	23.25	111.54	Open To Flow (1)
31	49.32	113.98	Shut-In(1)
76	1282.83	115.43	End Shut-In(1)
77	51.10	115.18	Open To Flow (2)
122	84.94	117.19	Shut-In(2)
211	1268.82	118.77	End Shut-In(2)
213	2223.85	119.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	mud 100%m	0.30
93.00	w cm oil spots 5%w 95%m	0.46

* 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

7-17-33 Scott KS

1616 S. Voss rd ste 600
Houston, TX 77057

Janzen #2-7

Job Ticket: 56482

DST#: 2

ATTN: Terry McLeod

Test Start: 2014.05.15 @ 22:02:46

Tool Information

Drill Pipe:	Length: 4206.00 ft	Diameter: 3.80 inches	Volume: 59.00 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 247.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 60.21 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	4456.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	67.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Stubb	1.00			4434.00	
Shut In Tool	5.00			4439.00	
Hydraulic tool	5.00			4444.00	
Safety Joint	3.00			4447.00	
Packer	5.00			4452.00	23.00 Bottom Of Top Packer
Packer	4.00			4456.00	
Stubb	1.00			4457.00	
Recorder	0.00	8373	Inside	4457.00	
Recorder	0.00	8356	Outside	4457.00	
Perforations	5.00			4462.00	
Change Over Sub	1.00			4463.00	
Drill Pipe	31.00			4494.00	
Change Over Sub	1.00			4495.00	
Bullnose	5.00			4500.00	44.00 Bottom Packers & Anchor

Total Tool Length: 67.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources

7-17-33 Scott KS

1616 S. Voss rd ste 600
Houston, TX 77057

Janzen #2-7

Job Ticket: 56482

DST#: 2

ATTN: Terry McLeod

Test Start: 2014.05.15 @ 22:02:46

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: 7.19 in³

Gas Cushion Type:

Resistivity: 6000.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 0.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	mud 100%m	0.305
93.00	w cm oil spots 5%w 95%m	0.457

Total Length: 155.00 ft

Total Volume: 0.762 bbl

Num Fluid Samples: 0

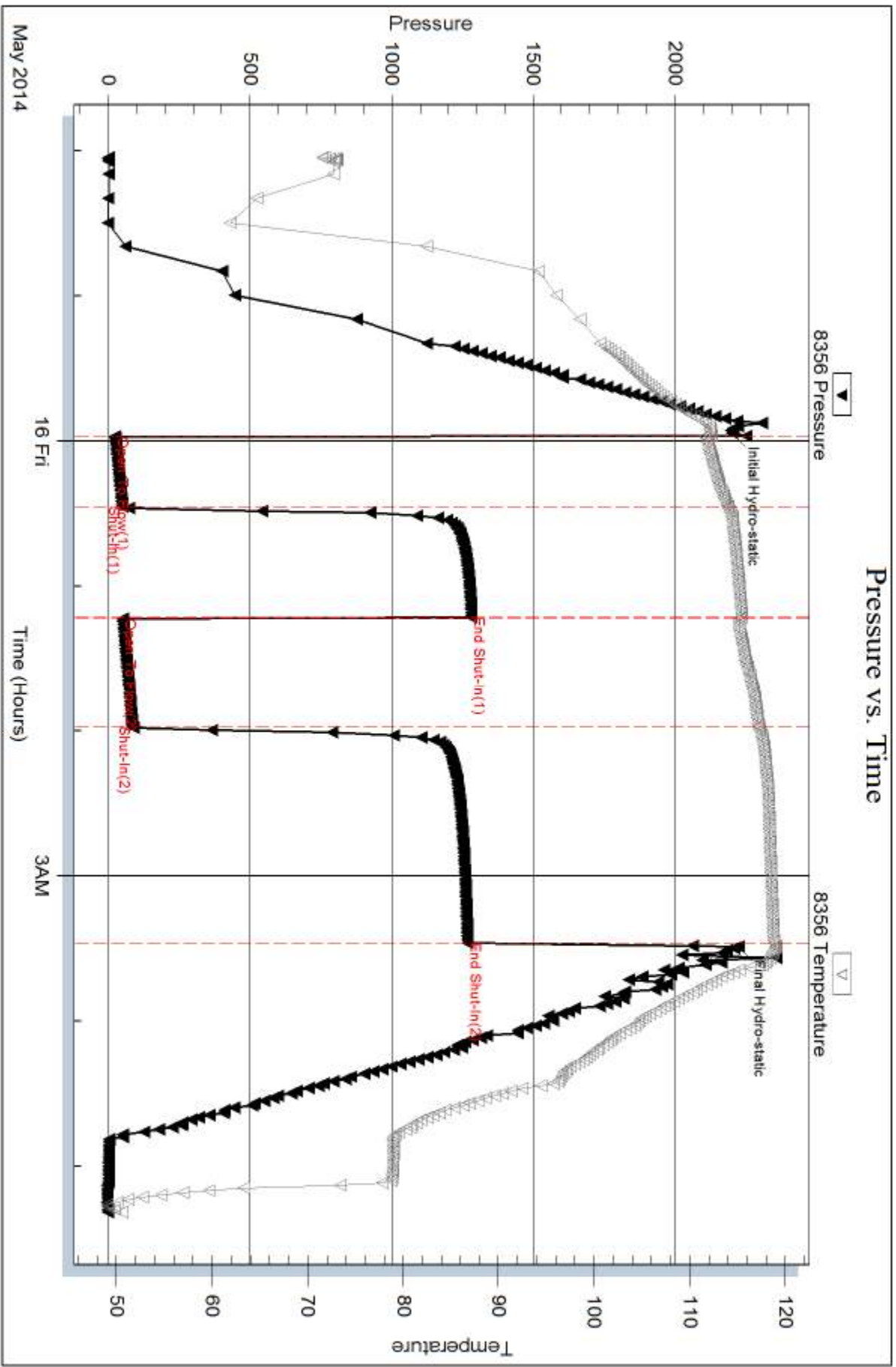
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



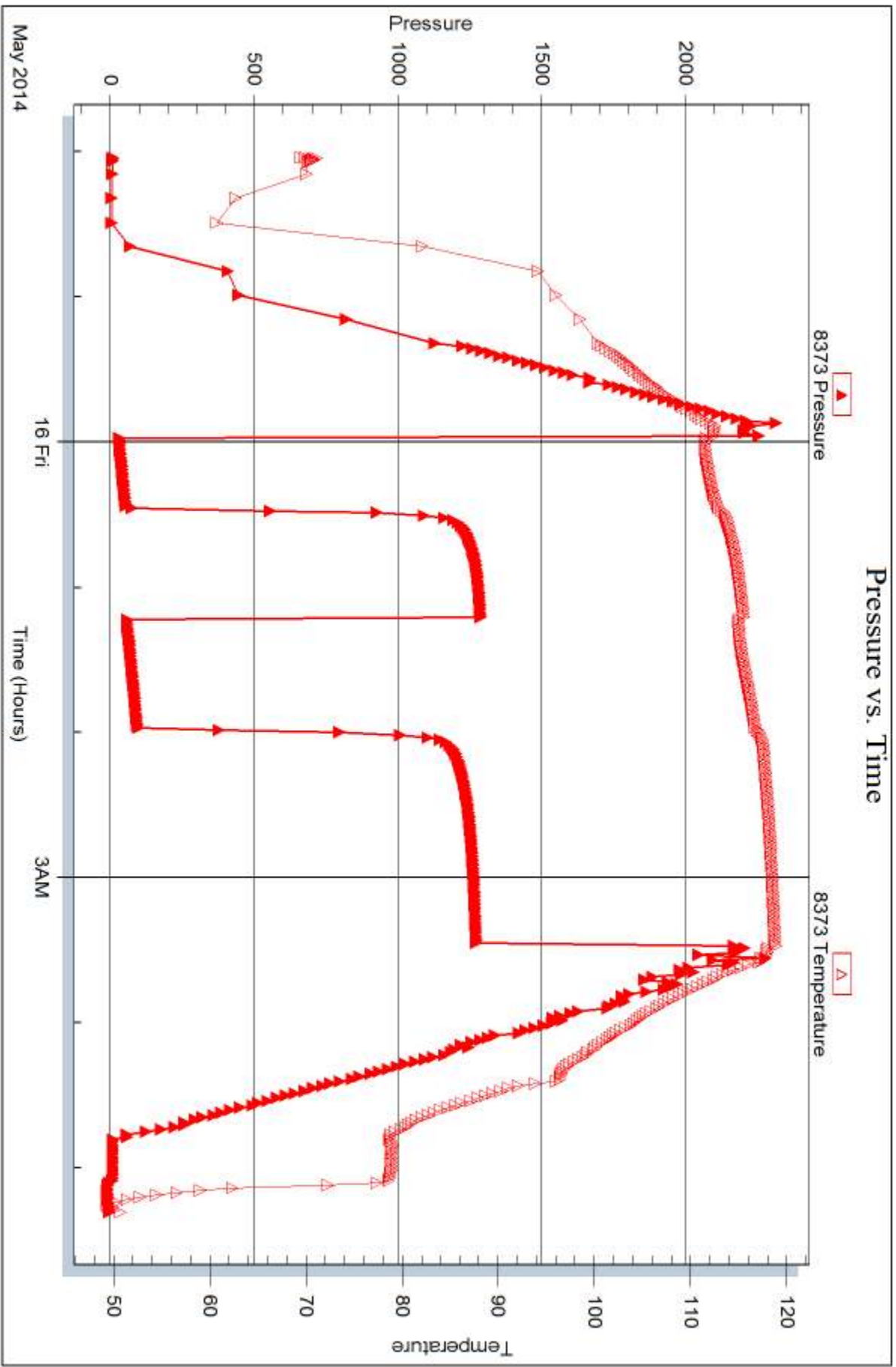
Serial #: 8373

Inside

Landmark Resources

Janzen #2-7

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 56482

Printed: 2014.05.20 @ 15:26:55



DRILL STEM TEST REPORT

Prepared For: **Landmark Resources**

1616 S. Voss rd ste 600
Houston, TX 77057

ATTN: Terry McLeod

Janzen #2-7

7-17-33 Scott KS

Start Date: 2014.05.16 @ 18:56:15

End Date: 2014.05.17 @ 01:19:45

Job Ticket #: 56483 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.05.20 @ 15:26:31



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Landmark Resources
1616 S. Voss rd ste 600
Houston, TX 77057
ATTN: Terry McLeod

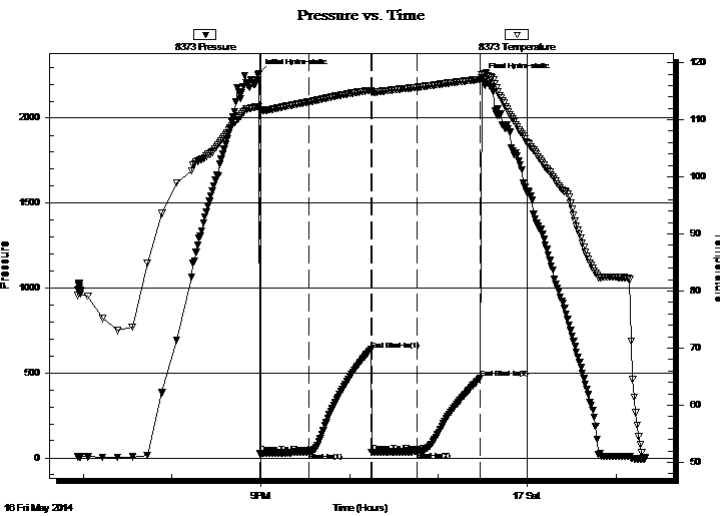
7-17-33 Scott KS
Janzen #2-7
Job Ticket: 56483 **DST#: 3**
Test Start: 2014.05.16 @ 18:56:15

GENERAL INFORMATION:

Formation: **Fort Scott**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 20:59:15 Tester: Brandon Turley/ Just
Time Test Ended: 01:19:45 Unit No: 60
Interval: 4543.00 ft (KB) To 4612.00 ft (KB) (TVD) Reference Elevations: 3101.00 ft (KB)
Total Depth: 4612.00 ft (KB) (TVD) 3091.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 8373 Inside
Press@RunDepth: 35.69 psig @ 4544.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.05.16 End Date: 2014.05.17 Last Calib.: 2014.05.17
Start Time: 18:56:20 End Time: 01:19:44 Time On Btm: 2014.05.16 @ 20:58:45
Time Off Btm: 2014.05.16 @ 23:29:15

TEST COMMENT: IF; Surface blow died in 15 mins.
IS; No return.
FF; No blow.
FS; No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2262.60	112.34	Initial Hydro-static
1	23.89	111.66	Open To Flow (1)
34	33.10	113.14	Shut-In(1)
76	636.24	115.16	End Shut-In(1)
76	33.26	114.86	Open To Flow (2)
107	35.69	115.68	Shut-In(2)
150	470.74	117.07	End Shut-In(2)
151	2236.36	117.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%m	0.02

* 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

7-17-33 Scott KS

1616 S. Voss rd ste 600
Houston, TX 77057

Janzen #2-7

Job Ticket: 56483

DST#: 3

ATTN: Terry McLeod

Test Start: 2014.05.16 @ 18:56:15

Tool Information

Drill Pipe:	Length: 4297.00 ft	Diameter: 3.80 inches	Volume: 60.28 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 247.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose:	85000.00 lb
			<u>Total Volume: 61.49 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial	75000.00 lb
Depth to Top Packer:	4543.00 ft			Final	75000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	69.00 ft				
Tool Length:	92.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Stubb	1.00			4521.00	
Shut In Tool	5.00			4526.00	
Hydraulic tool	5.00			4531.00	
Safety Joint	3.00			4534.00	
Packer	5.00			4539.00	23.00 Bottom Of Top Packer
Packer	4.00			4543.00	
Stubb	1.00			4544.00	
Recorder	0.00	8373	Inside	4544.00	
Recorder	0.00	8356	Outside	4544.00	
Perforations	2.00			4546.00	
Change Over Sub	1.00			4547.00	
Drill Pipe	62.00			4609.00	
Change Over Sub	1.00			4610.00	
Bullnose	2.00			4612.00	69.00 Bottom Packers & Anchor

Total Tool Length: 92.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources

7-17-33 Scott KS

1616 S. Voss rd ste 600
Houston, TX 77057

Janzen #2-7

Job Ticket: 56483

DST#: 3

ATTN: Terry McLeod

Test Start: 2014.05.16 @ 18:56:15

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: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: 5500.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 0.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

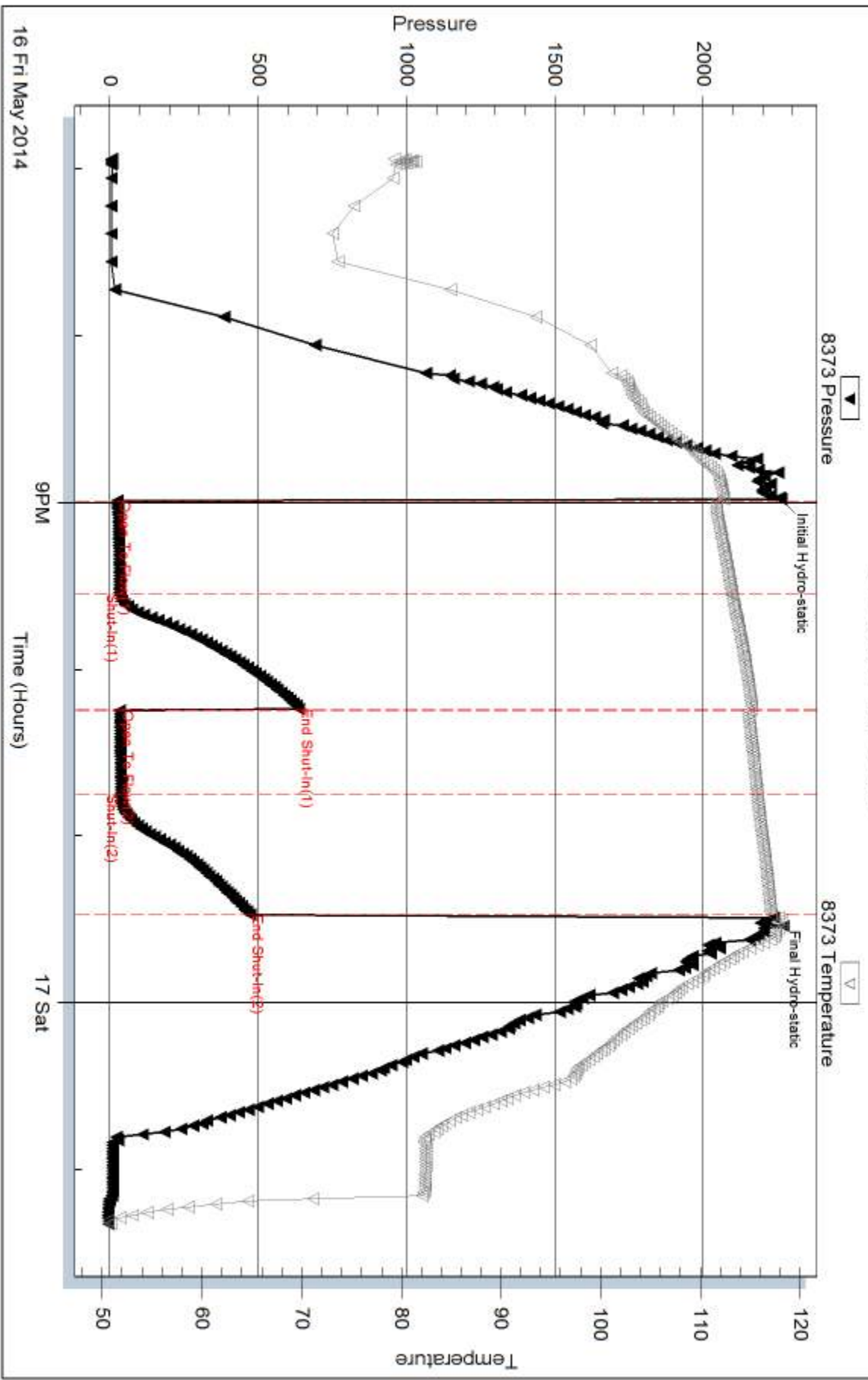
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

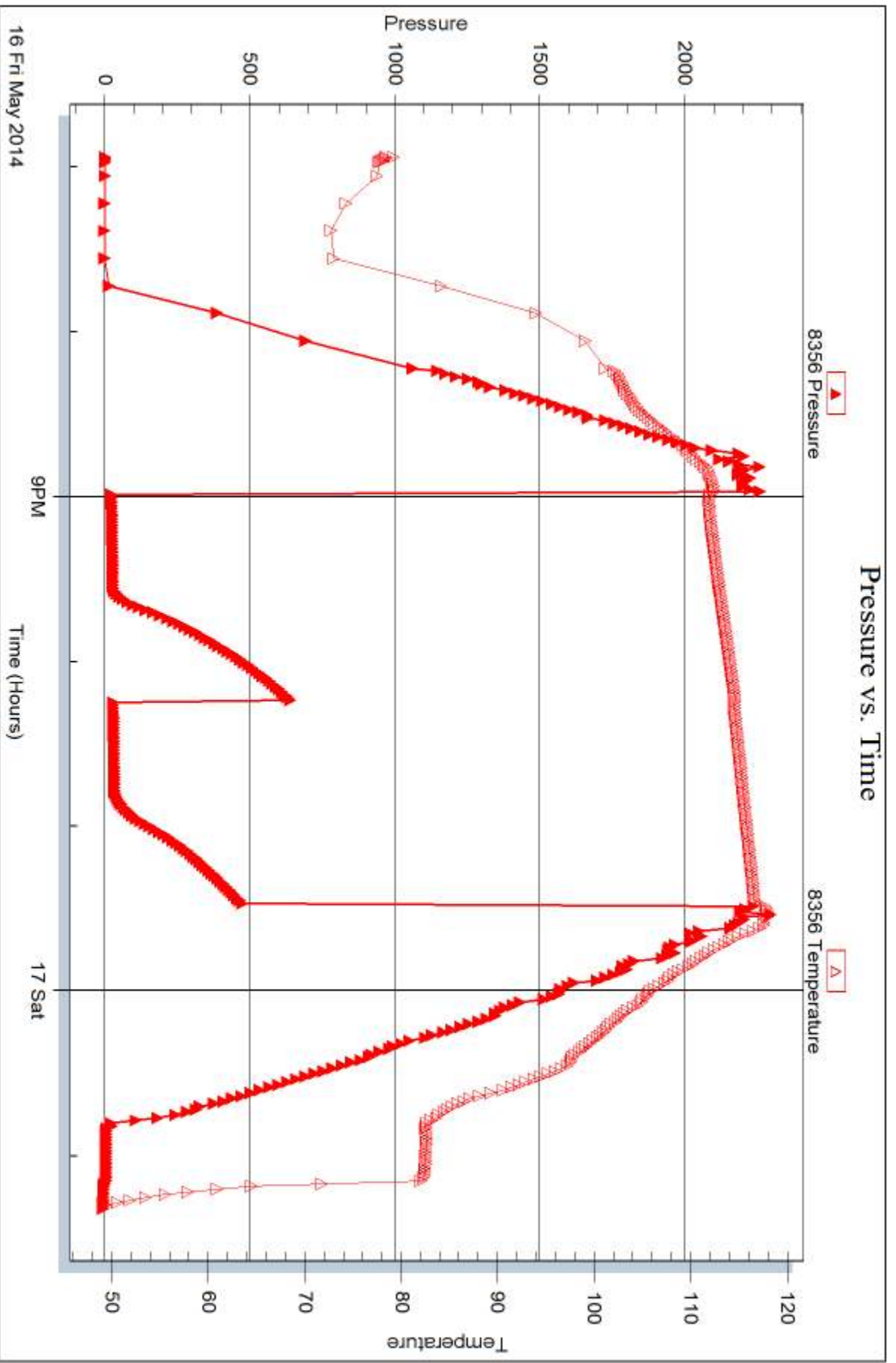


Serial #: 8356

Outside Landmark Resources

Janzen #2-7

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 56483

Printed: 2014.05.20 @ 15:26:33



DRILL STEM TEST REPORT

Prepared For: **Landmark Resources**

1616 S. Voss rd ste 600
Houston, TX 77057

ATTN: Terry McLeod

Janzen #2-7

7-17-33 Scott KS

Start Date: 2014.05.17 @ 13:55:11

End Date: 2014.05.17 @ 20:25:11

Job Ticket #: 56484 DST #: 4

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

Printed: 2014.05.20 @ 15:25:07



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Landmark Resources
1616 S. Voss rd ste 600
Houston, TX 77057
ATTN: Terry McLeod

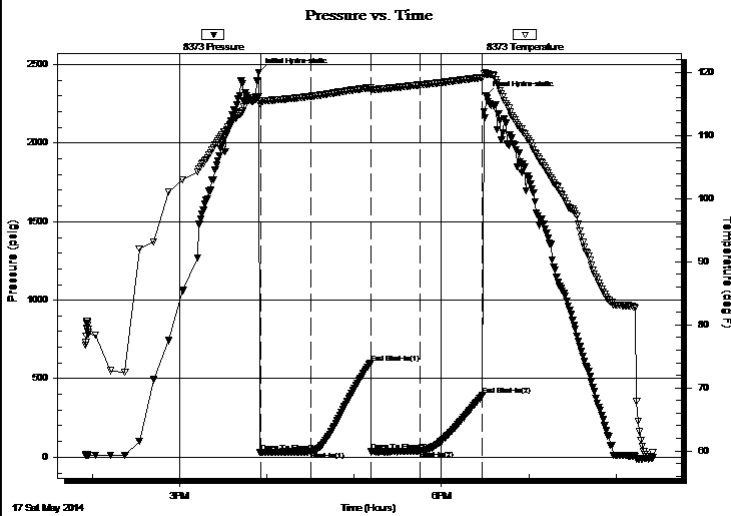
7-17-33 Scott KS
Janzen #2-7
Job Ticket: 56484 **DST#: 4**
Test Start: 2014.05.17 @ 13:55:11

GENERAL INFORMATION:

Formation: **Johnson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:55:41
Time Test Ended: 20:25:11
Interval: **4630.00 ft (KB) To 4730.00 ft (KB) (TVD)**
Total Depth: 4730.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley/ Just
Unit No: 60
Reference Elevations: 3101.00 ft (KB)
3091.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8373 Inside
Press@RunDepth: 41.04 psig @ 4631.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.05.17 End Date: 2014.05.17 Last Calib.: 2014.05.17
Start Time: 13:55:16 End Time: 20:25:10 Time On Btm: 2014.05.17 @ 15:54:11
Time Off Btm: 2014.05.17 @ 18:30:41

TEST COMMENT: IF; Surface blow died in 6 min.
IS; No return.
FF; No blow
FS; No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2450.95	116.16	Initial Hydro-static
2	31.54	115.51	Open To Flow (1)
36	37.40	116.21	Shut-In(1)
77	598.31	117.60	End Shut-In(1)
78	35.38	117.30	Open To Flow (2)
111	41.04	118.02	Shut-In(2)
154	394.08	119.20	End Shut-In(2)
157	2300.91	119.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100% _m	0.02

* 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

7-17-33 Scott KS

1616 S. Voss rd ste 600
Houston, TX 77057

Janzen #2-7

Job Ticket: 56484

DST#: 4

ATTN: Terry McLeod

Test Start: 2014.05.17 @ 13:55:11

Tool Information

Drill Pipe:	Length: 4364.00 ft	Diameter: 3.80 inches	Volume: 61.22 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 247.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 62.43 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	4630.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	100.00 ft			
Tool Length:	123.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Stubb	1.00			4608.00	
Shut In Tool	5.00			4613.00	
Hydraulic tool	5.00			4618.00	
Safety Joint	3.00			4621.00	
Packer	5.00			4626.00	23.00 Bottom Of Top Packer
Packer	4.00			4630.00	
Stubb	1.00			4631.00	
Recorder	0.00	8373	Inside	4631.00	
Recorder	0.00	8356	Outside	4631.00	
Perforations	1.00			4632.00	
Change Over Sub	1.00			4633.00	
Drill Pipe	94.00			4727.00	
Change Over Sub	1.00			4728.00	
Bullnose	2.00			4730.00	100.00 Bottom Packers & Anchor

Total Tool Length: 123.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources

7-17-33 Scott KS

1616 S. Voss rd ste 600
Houston, TX 77057

Janzen #2-7

Job Ticket: 56484

DST#: 4

ATTN: Terry McLeod

Test Start: 2014.05.17 @ 13:55:11

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: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 4000.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 0.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

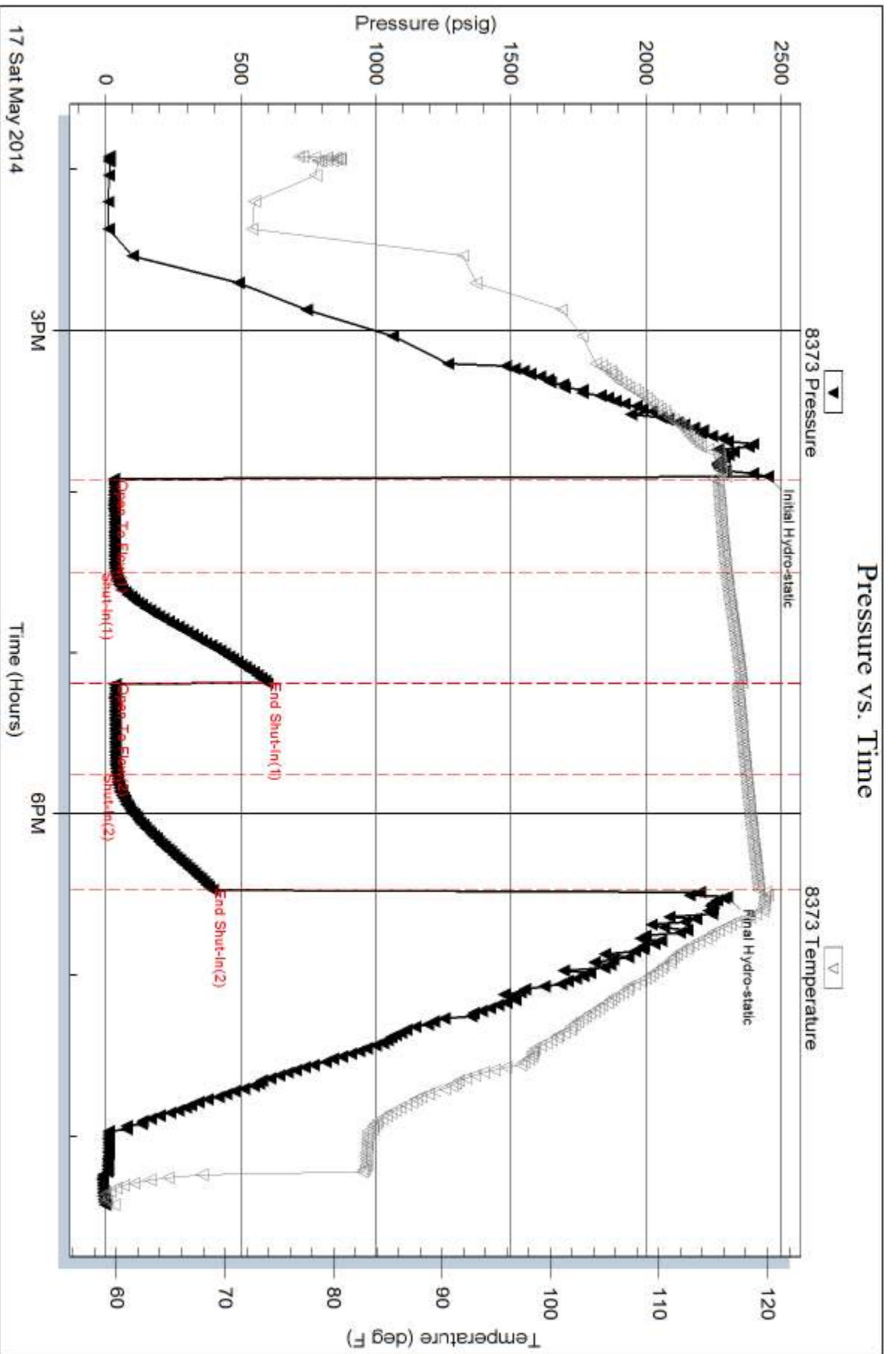
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

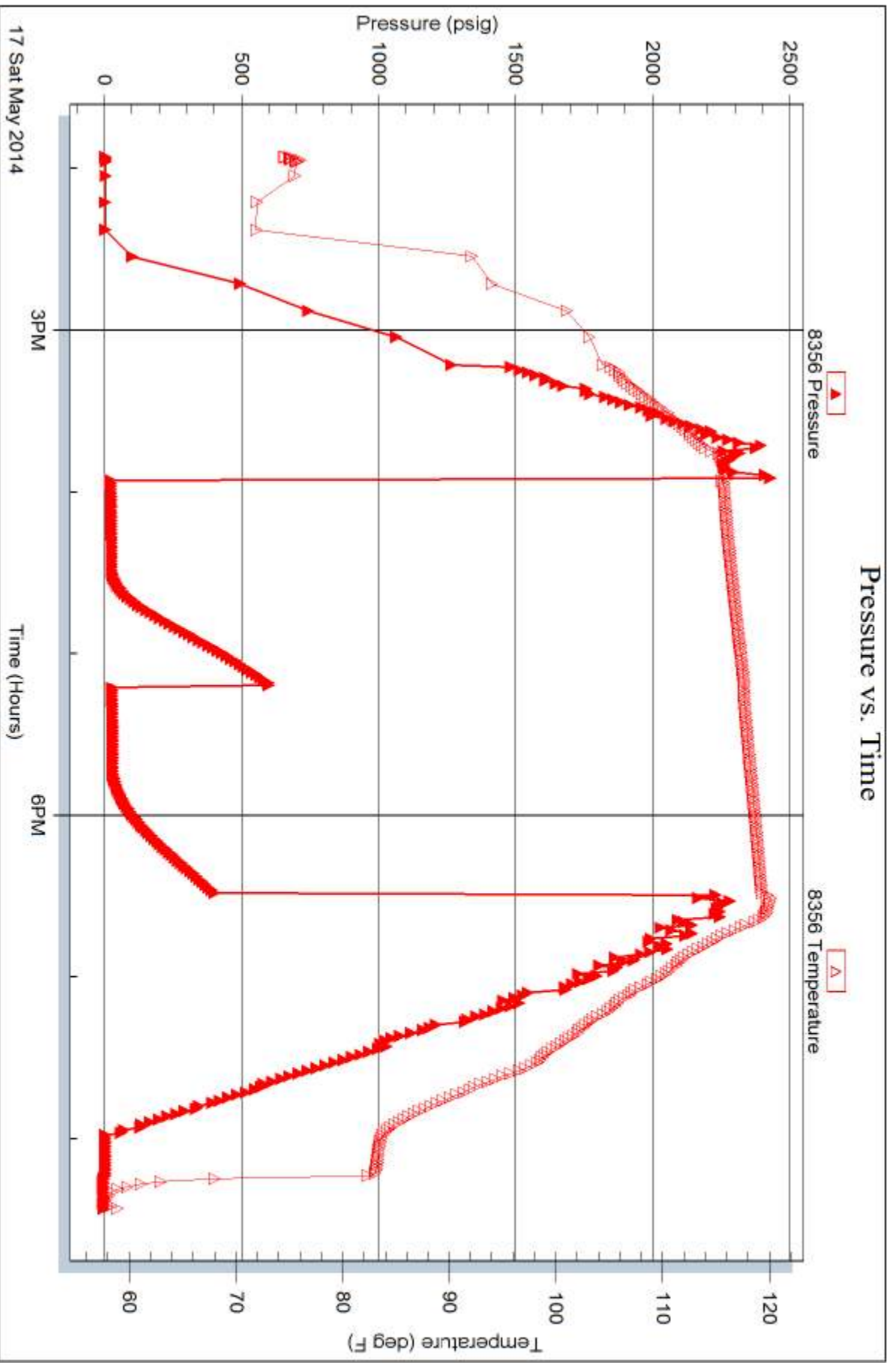


Serial #: 8356

Outside Landmark Resources

Janzen #2-7

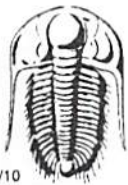
DST Test Number: 4



Triobite Testing, Inc

Ref. No: 56484

Printed: 2014.05.20 @ 15:25:08



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56481

Well Name & No. Janzon 2-7 Test No. 1 Date 5-15-14
 Company Landmark Resources Elevation 3101 KB 3091 GL
 Address 1616 S. Voss Rd Ste 600 Houston TX 77057
 Co. Rep / Geo. Terry McLeod Rig Martin 21
 Location: Sec. 7 Twp. 17 Rge. 33 Co. Scott State KS

Interval Tested 4408 4460 Zone Tested Don't know geo didn't leave info.
 Anchor Length 52 Drill Pipe Run 4142 Mud Wt. 9.4
 Top Packer Depth 4403 Drill Collars Run 247 Vis 59
 Bottom Packer Depth 4408 Wt. Pipe Run --- WL 9.6
 Total Depth 4460 Chlorides 5000 ppm System LCM 2

Blow Description IF: surface blow dried in 17 min.
FS: No return.
FF: No blow.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</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	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 116 Gravity --- API RW --- @ --- ° F Chlorides --- ppm

(A) Initial Hydrostatic 2204 Test 1250 T-On Location 5:45
 (B) First Initial Flow 24 Jars 250 T-Started 7:22
 (C) First Final Flow 27 Safety Joint 75 T-Open 9:23
 (D) Initial Shut-In 822 Circ Sub N/C T-Pulled 11:53
 (E) Second Initial Flow 25 Hourly Standby --- T-Out 13:50
 (F) Second Final Flow 30 Mileage 32 - 49.60 Comments cat walk is
 (G) Final Shut-In 804 Sampler --- below truck bumper
 (H) Final Hydrostatic 2200 Straddle --- like M20 was.

Ruined Shale Packer ---
 Ruined Packer ---
 Extra Copies ---
 Initial Open 30 Extra Packer ---
 Initial Shut-In 45 Extra Recorder ---
 Final Flow 30 Day Standby ---
 Final Shut-In 45 Accessibility 150-00 Sub Total 0
 Sub Total 1624.60 Total 1624.60
 MP/DST Disc't ---

Approved By Terry McLeod Our Representative [Signature]

TriLOBITE TESTING Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56482

Well Name & No. Jenzen 2-7 Test No. 2 Date 5-15-14
 Company Landmark Resources Elevation 3101 KB 3091 GL
 Address _____
 Co. Rep / Geo. Terry Mcleod Rig Murfin 21
 Location: Sec. 7 Twp. 17 Rge. 33 Co. Scott State KS

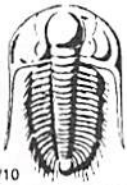
Interval Tested 4456 4500 Zone Tested Altamont
 Anchor Length _____ Drill Pipe Run 4206 Mud Wt. 9.3
 Top Packer Depth _____ Drill Collars Run 247 Vis 52
 Bottom Packer Depth 4456 Wt. Pipe Run _____ WL 7.2
 Total Depth 4500 Chlorides 6000 ppm System LCM 2
 Blow Description IF: surface blow built to 2,
IS: No return.
FF: surface blow Built to 2.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>93</u>	<u>WCM oil spots</u>		<u>5</u>	<u>95</u>	
<u>62</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 155 BHT 118 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2201</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>21:00</u>
(B) First Initial Flow <u>23</u>	<input type="checkbox"/> Jars _____	T-Started <u>22:02</u>
(C) First Final Flow <u>49</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>23:57</u>
(D) Initial Shut-In <u>1282</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>3:27</u>
(E) Second Initial Flow <u>51</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>5:20</u>
(F) Second Final Flow <u>84</u>	<input checked="" type="checkbox"/> Mileage <u>32-</u> 49.60	Comments _____
(G) Final Shut-In <u>1268</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2223</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Day Standby _____	Total <u>1374.60</u>
	<input checked="" type="checkbox"/> Accessibility _____	MP/DST Disc't _____

Approved By Terry Mcleod Our Representative [Signature]
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56483

Well Name & No. JANZEN 2-7 Test No. 3 Date 5-16-14
 Company Landmark Resources Elevation 3101 KB 3091 GL
 Address _____
 Co. Rep / Geo. Terry McLeod Rig Murfin 21
 Location: Sec. 7 Twp. 17 Rge. 33 Co. Scott State KS

Interval Tested 4543 4612 Zone Tested Ft. Scott
 Anchor Length 69 Drill Pipe Run 4297 Mud Wt. 9.1
 Top Packer Depth 4538 Drill Collars Run 247 Vis 51
 Bottom Packer Depth 4543 Wt. Pipe Run _____ WL 9.6
 Total Depth 4612 Chlorides 5500 ppm System LCM 2

Blow Description IF: Surface blow died in 15 min.
ISI: No return.
FF: No blow.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</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	Feet of	%gas	%oil	%water	%mud

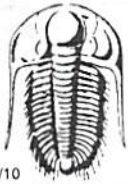
Rec Total 5 BHT 117 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2262</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>18:00</u>
(B) First Initial Flow <u>23</u>	<input type="checkbox"/> Jars _____	T-Started <u>18:56</u>
(C) First Final Flow <u>33</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>21:00</u>
(D) Initial Shut-In <u>636</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIC</u>	T-Pulled <u>23:30</u>
(E) Second Initial Flow <u>33</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>1:25</u>
(F) Second Final Flow <u>35</u>	<input type="checkbox"/> Mileage <u>32 - 49.60</u>	Comments _____
(G) Final Shut-In <u>470</u>	<input type="checkbox"/> Sampler _____	<input type="checkbox"/> Ruined Shale Packer _____
(H) Final Hydrostatic <u>2236</u>	<input type="checkbox"/> Straddle _____	<input checked="" type="checkbox"/> Ruined Packer <u>320</u>
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer _____	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Total <u>1694.60</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby _____	MP/DST Disc't _____
	<input checked="" type="checkbox"/> Accessibility _____	
	Sub Total <u>1374.60</u>	

Approved By Tyler M. [Signature] Our Representative [Signature]

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Justin Harris



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56484

Well Name & No. Janzen 2-7 Test No. 9 Date 5-17-14
 Company Landmark Resources Elevation 3101 KB 3091 GL
 Address _____
 Co. Rep / Geo. Terry Melead Rig Martin 21
 Location: Sec. 7 Twp. 17 Rge. 33 Co. Scott State KS

Interval Tested 4630 4730 Zone Tested Johnson
 Anchor Length 100 Drill Pipe Run 4364 Mud Wt. 9.4
 Top Packer Depth 4625 Drill Collars Run 247 Vis 62
 Bottom Packer Depth 4630 Wt. Pipe Run _____ WL 8.0
 Total Depth 4730 Chlorides 4000 ppm System LCM 2

Blow Description IF: Surface Blow Died In 6 min
IS: No Return
FF: NO Blow
FS: No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>mud</u>			<u>100</u>	
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Rec Total 5 BHT 118 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2450</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>13:15</u>
(B) First Initial Flow <u>31</u>	<input type="checkbox"/> Jars _____	T-Started <u>13:55</u>
(C) First Final Flow <u>37</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>15:54</u>
(D) Initial Shut-In <u>598</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIC</u>	T-Pulled <u>18:24</u>
(E) Second Initial Flow <u>35</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>20:30</u>
(F) Second Final Flow <u>41</u>	<input checked="" type="checkbox"/> Mileage <u>32</u> 99.20	Comments _____
(G) Final Shut-In <u>394</u>	<input type="checkbox"/> Sampler _____	<u>loaded tools 5/18 6:15</u>
(H) Final Hydrostatic <u>2880</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby _____	Total <u>1424.20</u>
	<input checked="" type="checkbox"/> Accessibility _____	MP/DST Disc't _____

Sub Total 1424.20

Approved By Terry L. Melead

Our Representative Justin Harris

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Justin Harris