



DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc.**

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

ATTN: Terry McLeod

Pammerter #1-5

S.5-17s-33w Scott/KS

Start Date: 2015.06.07 @ 03:28:00

End Date: 2015.06.07 @ 13:13:19

Job Ticket #: 61687 DST #: 1

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

Printed: 2015.06.09 @ 15:27:01



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Landmark Resources Inc.

S.5-17s-33w Scott/KS

1616 S. Voss Rd.
Suite 600
Houston, TX 77057
ATTN: Terry McLeod

Pammenter #1-5

Job Ticket: 61687

DST#: 1

Test Start: 2015.06.07 @ 03:28:00

GENERAL INFORMATION:

Formation: **Marmaton - Altamont**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:13:30

Time Test Ended: 13:13:19

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Smith

Unit No: 61

Interval: **4438.00 ft (KB) To 4495.00 ft (KB) (TVD)**

Reference Elevations: 3085.00 ft (KB)

Total Depth: 4495.00 ft (KB) (TVD)

3074.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8357

Inside

Press@RunDepth: 876.22 psig @ 4440.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.06.07

End Date:

2015.06.07

Last Calib.:

2015.06.07

Start Time: 03:28:02

End Time:

13:13:19

Time On Btm:

2015.06.07 @ 05:11:50

Time Off Btm:

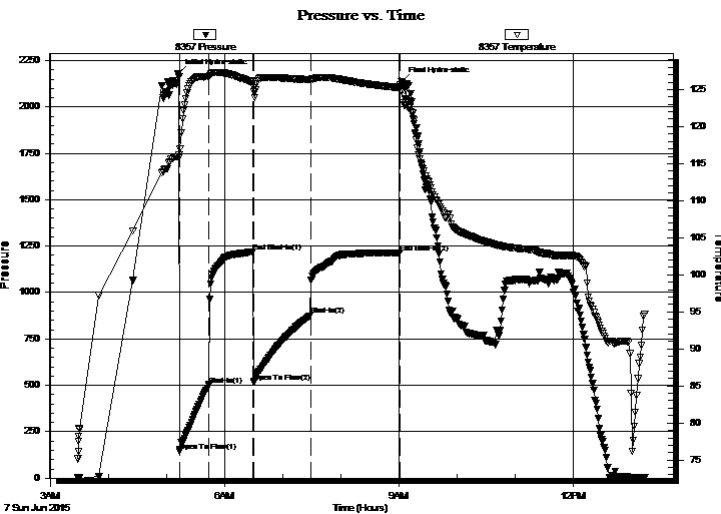
2015.06.07 @ 09:02:30

TEST COMMENT: 30- B.O.B. @ 1 1/2 min.

45- B.O.B. @ 17 min.

60- B.O.B. @ 3 min. G.T.S. @ 35 min. Not enough pressure to gauge gas.

90- B.O.B. @ 21 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2179.00	115.95	Initial Hydro-static
2	143.45	115.93	Open To Flow (1)
32	502.83	126.74	Shut-In(1)
78	1219.94	126.01	End Shut-In(1)
79	517.51	124.65	Open To Flow (2)
137	876.22	126.29	Shut-In(2)
229	1214.50	125.24	End Shut-In(2)
231	2134.21	124.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	2056' GIP	0.00
123.00	GOCM 20g 20o 60m	0.60
1998.00	GO estimated 50g 50o	26.91
245.00	GO 40g 60o	3.44

Gas Rates

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



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Landmark Resources Inc.

S.5-17s-33w Scott/KS

1616 S. Voss Rd.
Suite 600
Houston, TX 77057
ATTN: Terry McLeod

Pammenter #1-5

Job Ticket: 61687

DST#: 1

Test Start: 2015.06.07 @ 03:28:00

GENERAL INFORMATION:

Formation: **Marmaton - Altamont**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:13:30

Time Test Ended: 13:13:19

Interval: 4438.00 ft (KB) To 4495.00 ft (KB) (TVD)

Total Depth: 4495.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Smith

Unit No: 61

Reference Elevations: 3085.00 ft (KB)

3074.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6751 Outside

Press@RunDepth: psig @ 4440.00 ft (KB)

Start Date: 2015.06.07

End Date:

2015.06.07

Start Time: 03:28:02

End Time:

13:13:19

Capacity: 8000.00 psig

Last Calib.:

2015.06.07

Time On Btm:

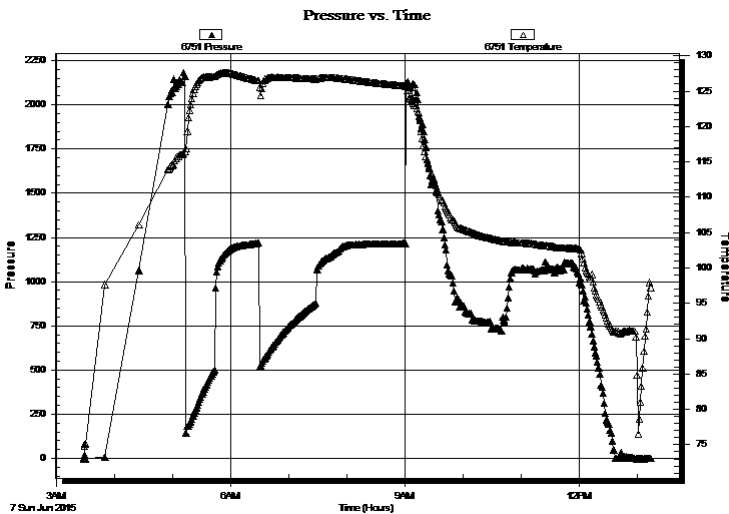
Time Off Btm:

TEST COMMENT: 30- B.O.B. @ 1 1/2 min.

45- B.O.B. @ 17 min.

60- B.O.B. @ 3 min. G.T.S. @ 35 min. Not enough pressure to gauge gas.

90- B.O.B. @ 21 min.



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
0.00	2056' GIP	0.00
123.00	GO CM 20g 20o 60m	0.60
1998.00	GO estimated 50g 50o	26.91
245.00	GO 40g 60o	3.44

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Landmark Resources Inc.

S.5-17s-33w Scott/KS

1616 S. Voss Rd.
Suite 600
Houston, TX 77057
ATTN: Terry McLeod

Pammenter #1-5

Job Ticket: 61687

DST#: 1

Test Start: 2015.06.07 @ 03:28:00

Tool Information

Drill Pipe:	Length: 4176.00 ft	Diameter: 3.80 inches	Volume: 58.58 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 246.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 59.79 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.50 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	4438.00 ft			Final 84000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	57.00 ft			
Tool Length:	79.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4416.50	
Shut In Tool	5.00			4421.50	
Hydraulic tool	5.00			4426.50	
Safety Joint	2.50			4429.00	
Packer	5.00			4434.00	22.50 Bottom Of Top Packer
Packer	4.00			4438.00	
Stubb	1.00			4439.00	
Perforations	1.00			4440.00	
Recorder	0.00	8357	Inside	4440.00	
Recorder	0.00	6751	Outside	4440.00	
Perforations	19.00			4459.00	
Change Over Sub	1.00			4460.00	
Drill Pipe	31.00			4491.00	
Change Over Sub	1.00			4492.00	
Bullnose	3.00			4495.00	57.00 Bottom Packers & Anchor

Total Tool Length: 79.50



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources Inc.

S.5-17s-33w Scott/KS

1616 S. Voss Rd.
Suite 600
Houston, TX 77057
ATTN: Terry McLeod

Pammenter #1-5

Job Ticket: 61687

DST#: 1

Test Start: 2015.06.07 @ 03:28:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 53.00 sec/qt
Water Loss: 8.78 in³
Resistivity: ohm.m
Salinity: 4800.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 34 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	2056' GIP	0.000
123.00	GOCM 20g 20o 60m	0.605
1998.00	GO estimated 50g 50o	26.906
245.00	GO 40g 60o	3.437

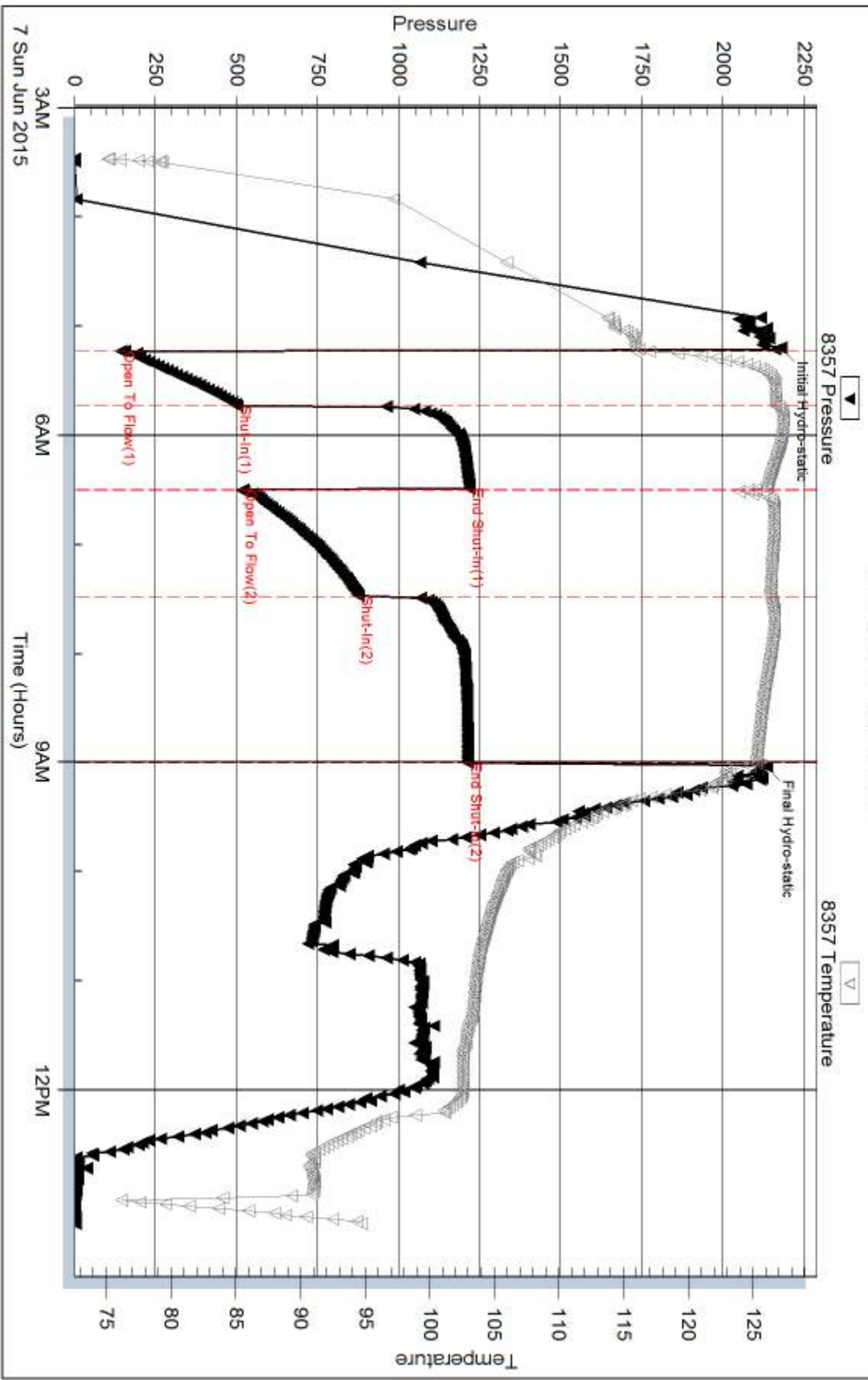
Total Length: 2366.00 ft Total Volume: 30.948 bbl

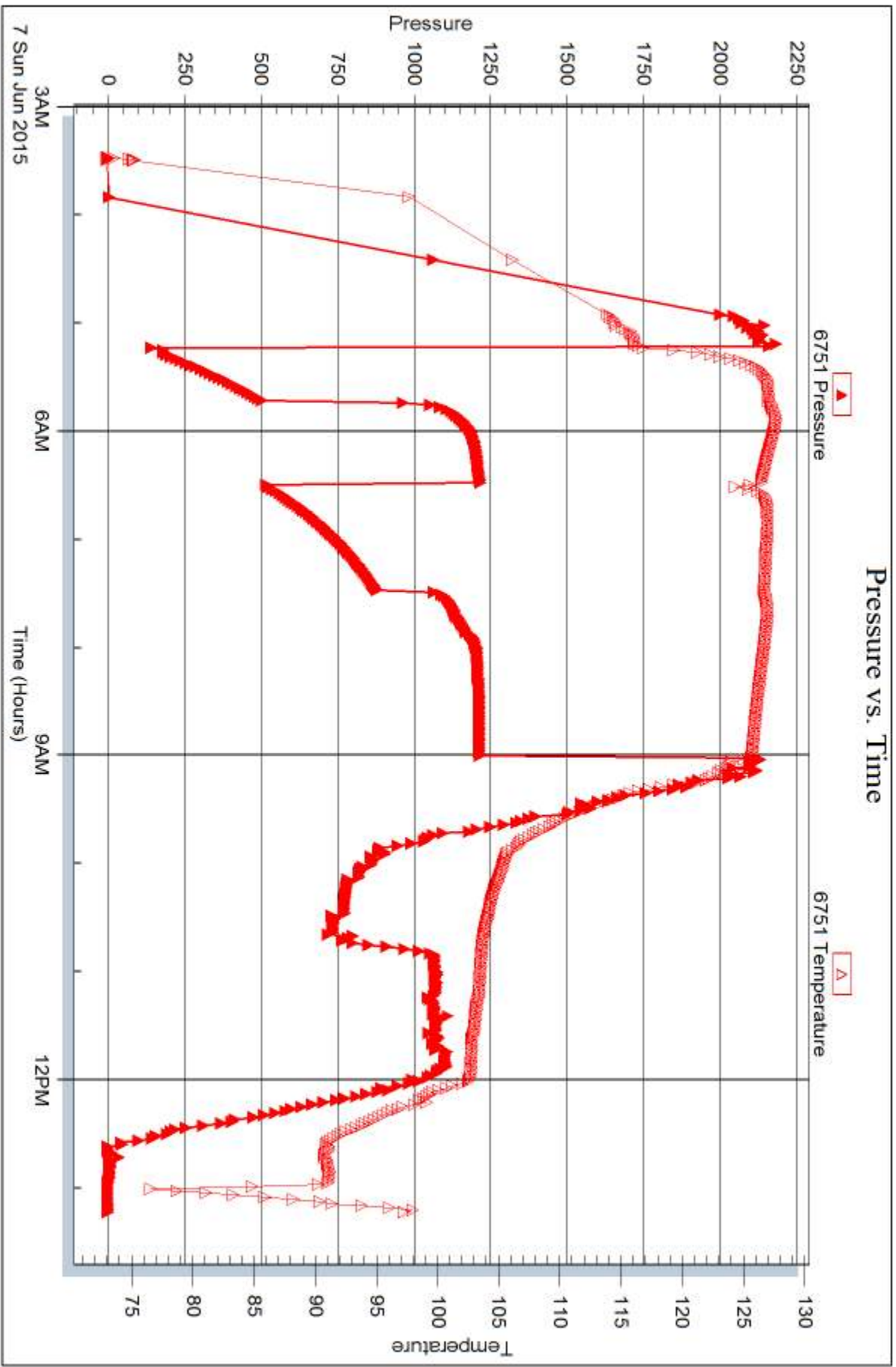
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: API: 36 @ 90 Degrees F = 34.

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc.**

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

ATTN: Terry McLeod

Pammerter #1-5

S.5-17s-33w Scott/KS

Start Date: 2015.06.08 @ 00:13:00

End Date: 2015.06.08 @ 08:05:00

Job Ticket #: 61688 DST #: 2

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

Printed: 2015.06.09 @ 15:25:59

Landmark Resources Inc.

S.5-17s-33w Scott/KS

Pammerter #1-5

DST # 2

Pawnee - Ft. Scott

2015.06.08



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Landmark Resources Inc.

S.5-17s-33w Scott/KS

1616 S. Voss Rd.
Suite 600
Houston, TX 77057
ATTN: Terry McLeod

Pammenter #1-5

Job Ticket: 61688

DST#: 2

Test Start: 2015.06.08 @ 00:13:00

GENERAL INFORMATION:

Formation: **Pawnee - Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:05:50

Time Test Ended: 08:05:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: 4491.00 ft (KB) To 4587.00 ft (KB) (TVD)

Reference Elevations: 3085.00 ft (KB)

Total Depth: 4587.00 ft (KB) (TVD)

3074.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 6751

Outside

Press@RunDepth: 46.45 psig @ 4492.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.06.08

End Date:

2015.06.08

Last Calib.: 2015.06.08

Start Time: 00:13:02

End Time:

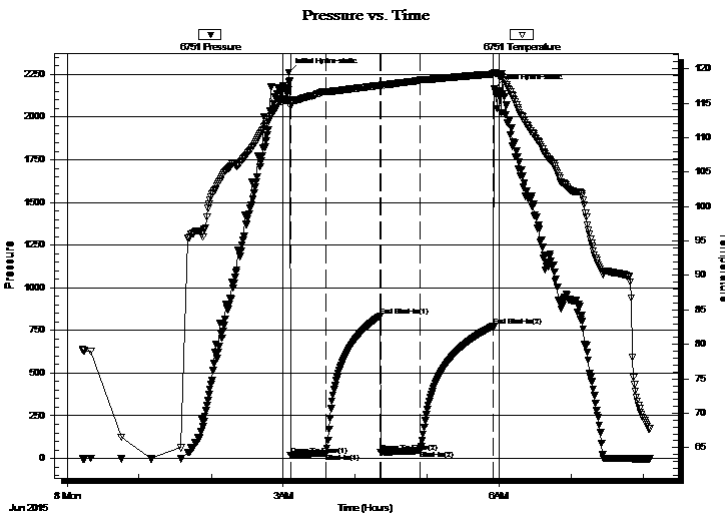
08:05:00

Time On Btm: 2015.06.08 @ 03:04:30

Time Off Btm: 2015.06.08 @ 05:55:50

TEST COMMENT: 30- 1" Blow .
45- No return.
30- No blow .
60- No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2261.80	115.43	Initial Hydro-static
2	16.60	114.46	Open To Flow (1)
32	31.53	116.70	Shut-In(1)
77	834.78	117.56	End Shut-In(1)
77	35.52	117.32	Open To Flow (2)
110	46.45	118.35	Shut-In(2)
171	774.40	119.22	End Shut-In(2)
172	2165.91	119.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OSM 100m	0.30

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Landmark Resources Inc.

S.5-17s-33w Scott/KS

1616 S. Voss Rd.
Suite 600
Houston, TX 77057
ATTN: Terry McLeod

Pammenter #1-5

Job Ticket: 61688

DST#: 2

Test Start: 2015.06.08 @ 00:13:00

Tool Information

Drill Pipe:	Length: 4243.00 ft	Diameter: 3.80 inches	Volume: 59.52 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 246.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 60.73 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.50 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4491.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	96.00 ft			
Tool Length:	118.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4469.50	
Shut In Tool	5.00			4474.50	
Hydraulic tool	5.00			4479.50	
Safety Joint	2.50			4482.00	
Packer	5.00			4487.00	22.50 Bottom Of Top Packer
Packer	4.00			4491.00	
Stubb	1.00			4492.00	
Recorder	0.00	8357	Inside	4492.00	
Recorder	0.00	6751	Outside	4492.00	
Perforations	28.00			4520.00	
Change Over Sub	1.00			4521.00	
Drill Pipe	62.00			4583.00	
Change Over Sub	1.00			4584.00	
Bullnose	3.00			4587.00	96.00 Bottom Packers & Anchor

Total Tool Length: 118.50



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FLUID SUMMARY

Landmark Resources Inc.

S.5-17s-33w Scott/KS

1616 S. Voss Rd.
Suite 600
Houston, TX 77057
ATTN: Terry McLeod

Pammenter #1-5

Job Ticket: 61688

DST#: 2

Test Start: 2015.06.08 @ 00:13:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 52.00 sec/qt
Water Loss: 7.19 in³
Resistivity: ohm.m
Salinity: 4500.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OSM 100m	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

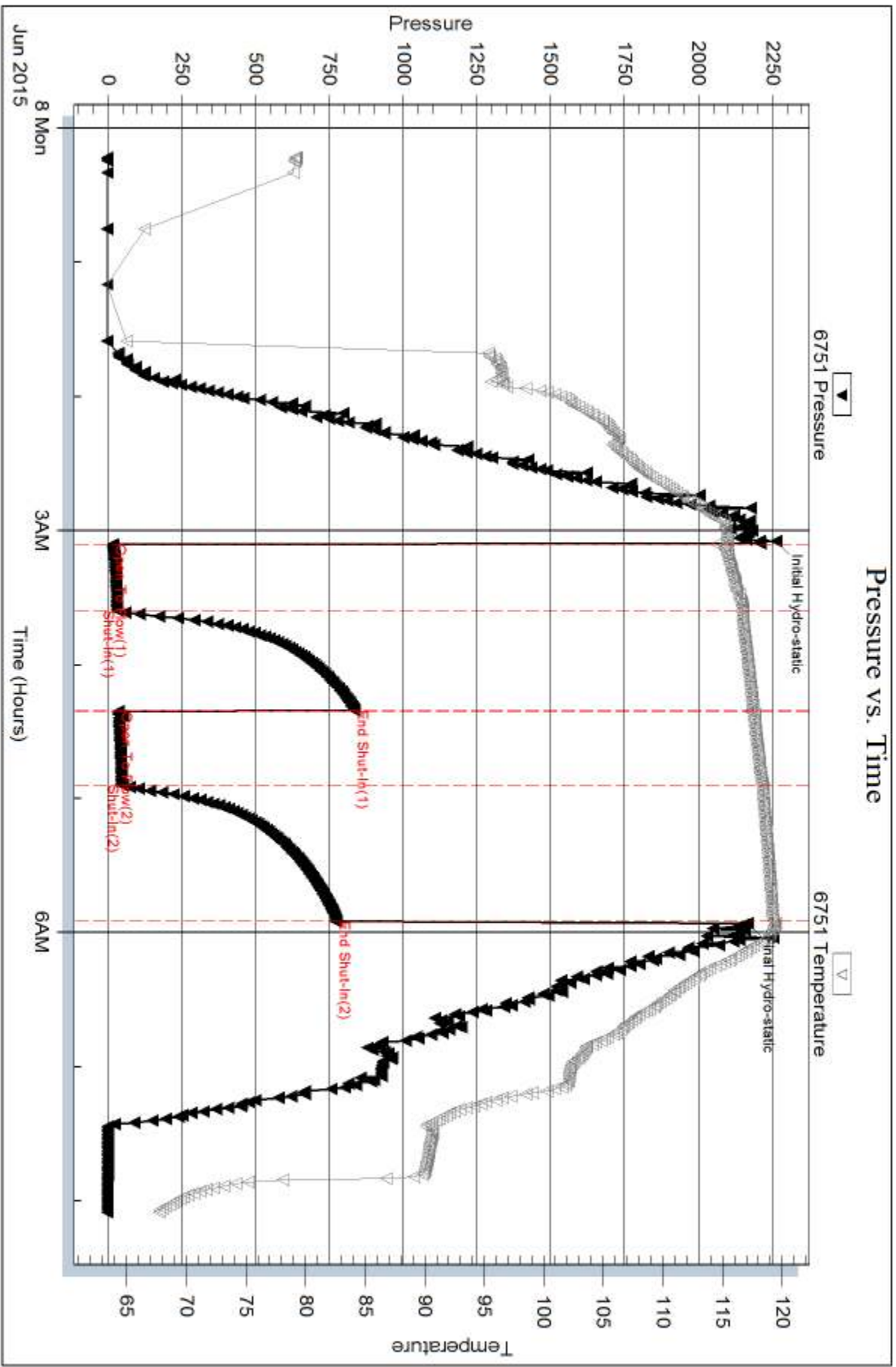
Num Gas Bombs: 0

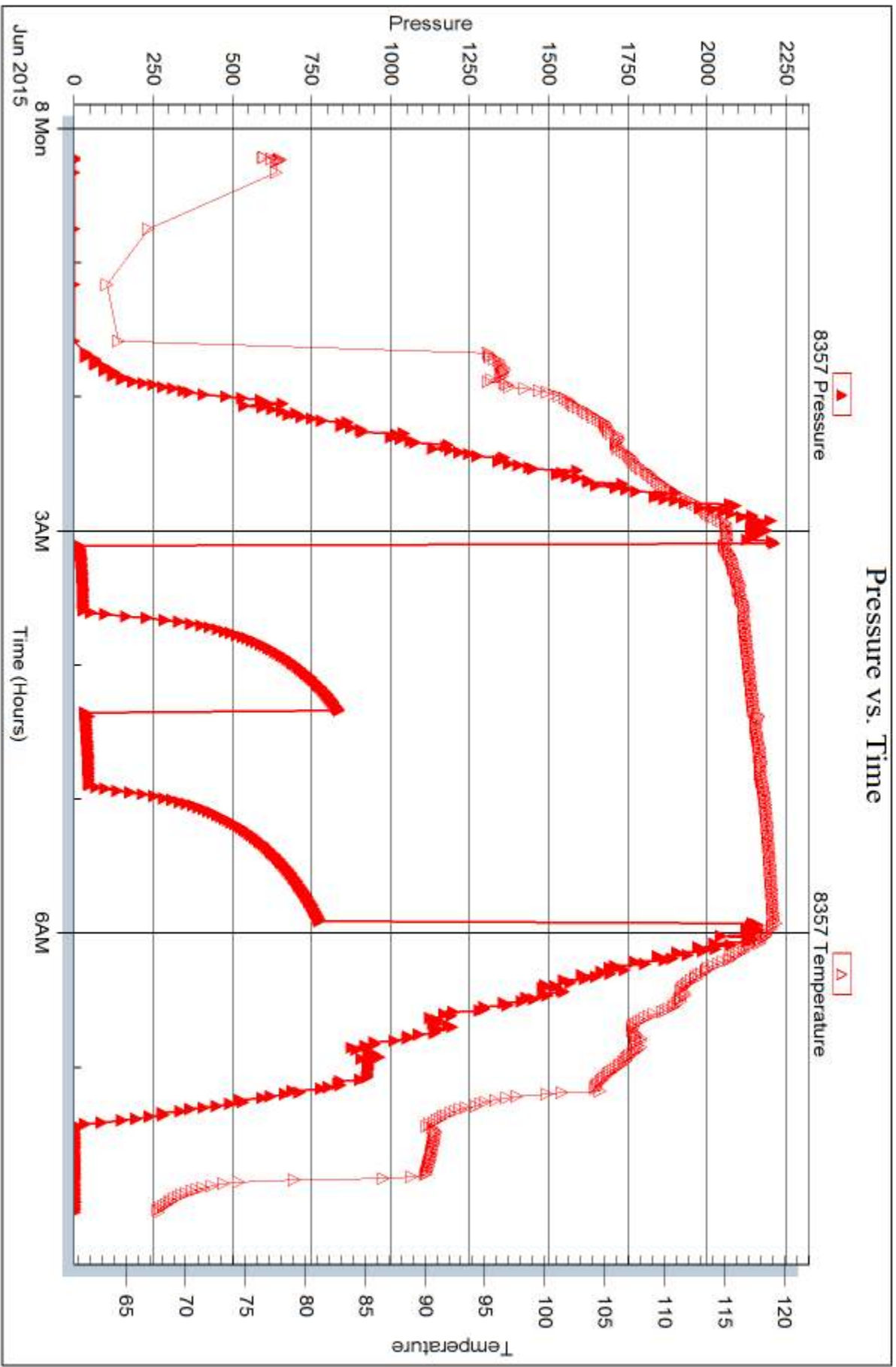
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc.**

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

ATTN: Terry McLeod

Pammenter #1-5

S.5-17s-33w Scott/KS

Start Date: 2015.06.08 @ 22:26:00

End Date: 2015.06.09 @ 05:46:09

Job Ticket #: 61689 DST #: 3

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

Printed: 2015.06.09 @ 15:25:34



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Landmark Resources Inc.

S.5-17s-33w Scott/KS

1616 S. Voss Rd.
Suite 600
Houston, TX 77057
ATTN: Terry McLeod

Pammenter #1-5

Job Ticket: 61689

DST#: 3

Test Start: 2015.06.08 @ 22:26:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:34:40

Time Test Ended: 05:46:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: 4645.00 ft (KB) To 4715.00 ft (KB) (TVD)

Reference Elevations: 3085.00 ft (KB)

Total Depth: 4715.00 ft (KB) (TVD)

3074.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8357

Inside

Press@RunDepth: 54.72 psig @ 4648.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.06.08

End Date:

2015.06.09

Last Calib.:

2015.06.09

Start Time: 22:22:02

End Time:

05:42:10

Time On Btm:

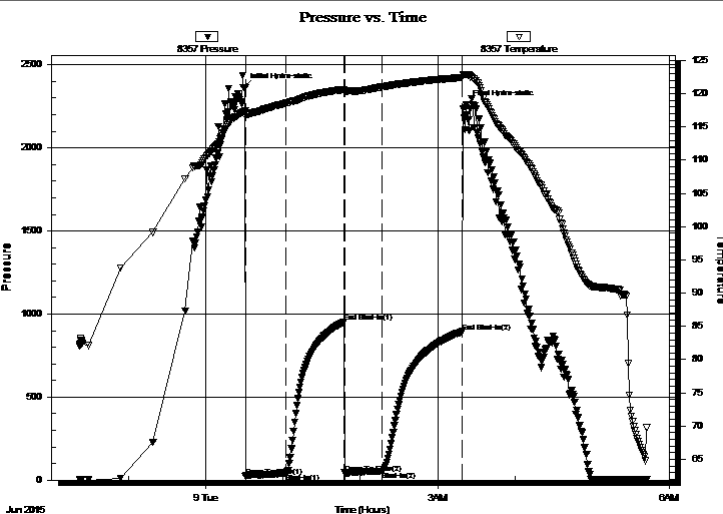
2015.06.09 @ 00:29:00

Time Off Btm:

2015.06.09 @ 03:21:50

TEST COMMENT: 30- 1" Blow .
45- No return.
30- No blow .
60- No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2363.64	117.30	Initial Hydro-static
2	21.74	116.54	Open To Flow (1)
34	39.97	118.56	Shut-In(1)
79	953.72	120.63	End Shut-In(1)
79	43.70	120.25	Open To Flow (2)
108	54.72	121.02	Shut-In(2)
170	894.30	122.44	End Shut-In(2)
173	2258.40	122.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	OSM 100M	0.32

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.

S.5-17s-33w Scott/KS

1616 S. Voss Rd.
Suite 600
Houston, TX 77057
ATTN: Terry McLeod

Pammenter #1-5

Job Ticket: 61689

DST#: 3

Test Start: 2015.06.08 @ 22:26:00

Tool Information

Drill Pipe:	Length: 4400.00 ft	Diameter: 3.80 inches	Volume: 61.72 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 246.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 62.93 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.50 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4645.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	92.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4623.50	
Shut In Tool	5.00			4628.50	
Hydraulic tool	5.00			4633.50	
Safety Joint	2.50			4636.00	
Packer	5.00			4641.00	22.50 Bottom Of Top Packer
Packer	4.00			4645.00	
Stubb	1.00			4646.00	
Perforations	2.00			4648.00	
Recorder	0.00	8357	Inside	4648.00	
Recorder	0.00	6751	Outside	4648.00	
Change Over Sub	1.00			4649.00	
Drill Pipe	62.00			4711.00	
Change Over Sub	1.00			4712.00	
Bullnose	3.00			4715.00	70.00 Bottom Packers & Anchor

Total Tool Length: 92.50



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DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources Inc.

S.5-17s-33w Scott/KS

1616 S. Voss Rd.
Suite 600
Houston, TX 77057
ATTN: Terry McLeod

Pammenter #1-5

Job Ticket: 61689

DST#: 3

Test Start: 2015.06.08 @ 22:26:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 60.00 sec/qt

Water Loss: 7.99 in³

Resistivity: ohm.m

Salinity: 5600.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	OSM 100M	0.320

Total Length: 65.00 ft Total Volume: 0.320 bbl

Num Fluid Samples: 0

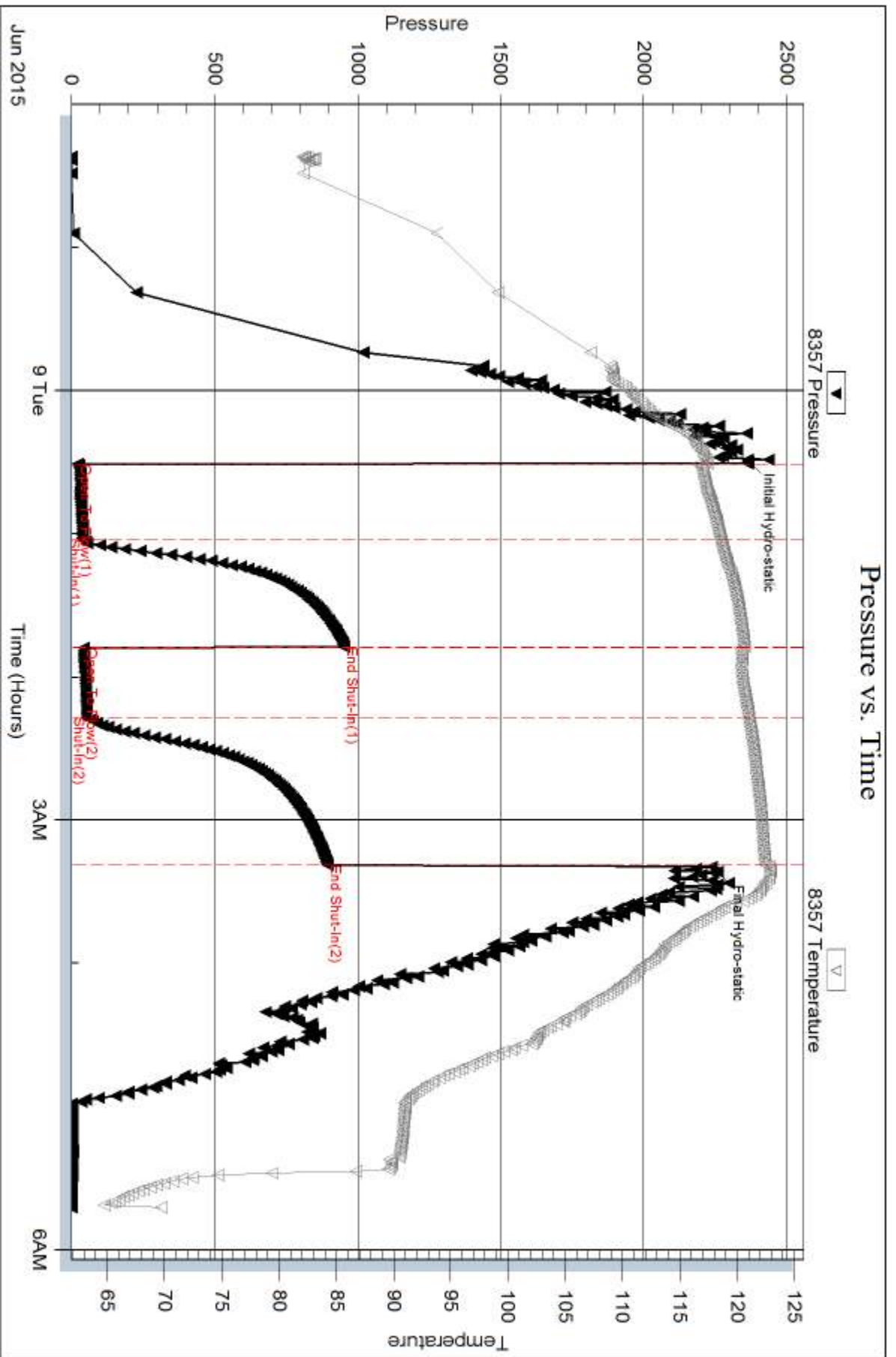
Num Gas Bombs: 0

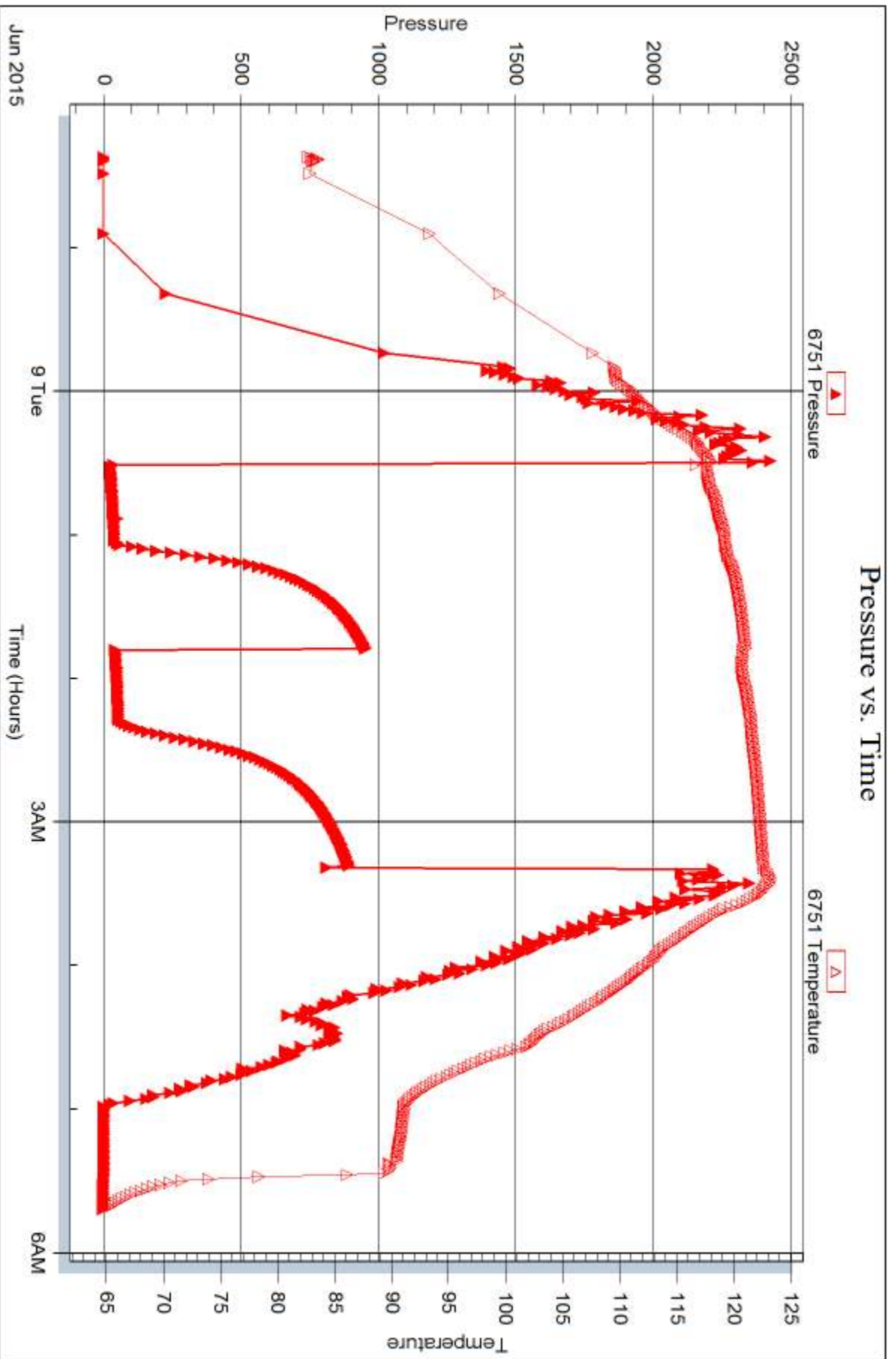
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 61687

Well Name & No. Pammenter #1-5 Test No. 1 Date 6-7-15
 Company Landmark Resources, Inc. Elevation 3085 KB 3074 GL
 Address 1616 E. Voss Rd. STE 600 Houston, TX 77057
 Co. Rep / Geo. Terry McLeod Rig MDC #21
 Location: Sec. 5 Twp. 17s Rge. 33W Co. Scott State KS

Interval Tested 4438-4495 Zone Tested Marmaton - Altament
 Anchor Length 57 Drill Pipe Run 4176 Mud Wt. 9.3
 Top Packer Depth 4434 Drill Collars Run 246 Vis 53
 Bottom Packer Depth 4438 Wt. Pipe Run 0 WL 8.8
 Total Depth 4495 Chlorides 4800 ppm System LCM 2nd
 Blow Description B.O.B. @ 1 1/2 min.
B.O.B. @ 17 min.
B.O.B. @ 3 min. G.T.S. @ 35 min. Not enough pressure to gage gas
B.O.B @ 21 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>245</u>	<u>GO</u>	<u>40</u>	<u>60</u>		
<u>1998</u>	<u>GO Circulated out</u>	<u>Estimated 50</u>	<u>50</u>		
<u>123</u>	<u>GO CM</u>	<u>20</u>	<u>20</u>		<u>60</u>
	<u>2056' GIP</u>	<u>100</u>			

Rec Total 2364 BHT 125 Gravity 34 API RW @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2179 Test 1150 T-On Location 2:
 (B) First Initial Flow 143 Jars _____ T-Started 3:28
 (C) First Final Flow 503 Safety Joint 75 T-Open 5:14
 (D) Initial Shut-In 1220 Circ Sub 50' T-Pulled 9:00
 (E) Second Initial Flow 518 Hourly Standby _____ T-Out 13:13
 (F) Second Final Flow 876 Mileage 30RT 30
 (G) Final Shut-In 1215 Sampler _____
 (H) Final Hydrostatic 2134 Straddle _____
 Shale Packer 250 Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1555
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1555

Initial Open 30
 Initial Shut-In 45
 Final Flow 60
 Final Shut-In 90

Approved By Terry McLeod Our Representative Chuck Smith

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 61688

Well Name & No. Pamenter #1-5 Test No. 2 Date 6-8-15
 Company Landmark Resources Inc. Elevation 3085 KB 3074 GL
 Address 1616 E. Voss Rd. STE 600 Houston, TX 77057
 Co. Rep / Geo. Terry McLeod Rig MDC #21
 Location: Sec. 5 Twp. 17s Rge. 33w Co. Scott State KS

Interval Tested 4491-4587 Zone Tested Pawnee - Ft. Scott
 Anchor Length 96 Drill Pipe Run 4243 Mud Wt. 9.2
 Top Packer Depth 4487 Drill Collars Run 246 Vis 52
 Bottom Packer Depth 4491 Wt. Pipe Run 0 WL 7.2
 Total Depth 4587 Chlorides 4500 ppm System LCM 2[#]
 Blow Description 1" Blow.
No return.
No blow.
No return.

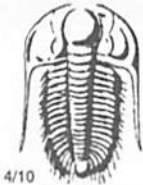
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>60</u>	Feet of <u>OSM</u>				<u>100%</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 60 BHT 119 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2262</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>00:10</u>
(B) First Initial Flow <u>17</u>	<input type="checkbox"/> Jars _____	T-Started <u>00:13</u>
(C) First Final Flow <u>32</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>3:06</u>
(D) Initial Shut-In <u>8:35</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>5:55</u>
(E) Second Initial Flow <u>36</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>8:05</u>
(F) Second Final Flow <u>46</u>	<input checked="" type="checkbox"/> Mileage <u>30RT</u> 30	Comments _____
(G) Final Shut-In <u>774</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>2166</u>	<input type="checkbox"/> Straddle _____	_____
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies _____
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility _____	Total <u>1605</u>
	Sub Total <u>1605</u>	MP/DST Disc't _____

Approved By Jay L. McLeod Our Representative Chuck Smith

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 61689

Well Name & No. Pammenter #1-5 Test No. 3 Date 6-8-15
 Company Landmark Resources Inc. Elevation 3085 KB 3074 GL
 Address 1616 S. Voss Rd. STE 600 Houston TX 77057
 Co. Rep / Geo. Terry McLeod Rig M.D.C. #21
 Location: Sec. 5 Twp. 17s Rge. 33w Co. Scott State KS

Interval Tested 4645-4715 Zone Tested Johnson
 Anchor Length 70 Drill Pipe Run 4400 Mud Wt. 9.3
 Top Packer Depth 4641 Drill Collars Run 246 Vis 60
 Bottom Packer Depth 4645 Wt. Pipe Run 0 WL 8.0
 Total Depth 4715 Chlorides 5600 ppm System LCM 2nd
 Blow Description 1" Blow.
No return.
No blow.
No return.

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>65</u>	Feet of <u>OSM</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 65 BHT 122 Gravity — API RW @ °F Chlorides — ppm
 (A) Initial Hydrostatic 2364 Test 1150 T-On Location 22:20
 (B) First Initial Flow 22 Jars — T-Started 22:22
 (C) First Final Flow 40 Safety Joint 75 T-Open 00:40
 (D) Initial Shut-In 954 Circ Sub NIC T-Pulled 3:19
 (E) Second Initial Flow 44 Hourly Standby — T-Out 5:42
 (F) Second Final Flow 55 Mileage 30RT X2 60 Comments Loaded tool 6-9-15
 (G) Final Shut-In 894 Sampler — 12:30 No Test
 (H) Final Hydrostatic 2258 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 1285
 Final Flow 30 Accessibility — MP/DST Disc't —
 Final Shut-In 60 Sub Total 1285

Approved By [Signature] Our Representative Chuck Smith

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