



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1229643
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____-_____-_____- Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1229643

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Janzen 3-7
Doc ID	1229643

All Electric Logs Run

Microresistivity Log
Dual Induction Log
Dual Compensated Porosity Log
Borehole Compensated Sonic Log
Gamma Ray/Caliper Log

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Janzen 3-7
Doc ID	1229643

Tops

Name	Top	Datum
Anhydrite	2398	691
B/Anhydrite	2414	675
Topeka	3724	-635
Heebner	3964	-875
Toronto	3983	-894
Lansing	4008	-919
C	4049	-960
D	4062	-973
E	4100	-1011
F	4119	-1030
G	4137	-1048
Muncie Creek	4194	-1105
H	4205	-1116
I	4234	-1145
J	4266	-1177
Stark Shale	4293	-1204
K	4303	-1214
L	4351	-1262
BKC	4382	-1293
Marmaton	4435	-1346
Altamont	4470	-1381
Pawnee	4520	-1431
Myrick Station	4558	-1469
Fort Scott	4572	-1483

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Janzen 3-7
Doc ID	1229643

Tops

Name	Top	Datum
Cherokee	4598	-1509
Johnson Zone	4641	-1552
Morrow Shale	4716	-1627
Upper Morrow Sand	4758	-1669
Missippian	4764	-1675



DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc.**

1616 Voss Rd. STE 600
Houston TX 77057

ATTN: Brad Rine

Janzen #3-7

7-17s-33w Scott,KS

Start Date: 2014.10.17 @ 16:56:15

End Date: 2014.10.18 @ 02:13:30

Job Ticket #: 59170 DST #: 1

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

Printed: 2014.10.22 @ 16:30:23



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Landmark Resources Inc.

7-17s-33w Scott,KS

1616 Voss Rd. STE 600
Houston TX 77057

Janzen #3-7

Job Ticket: 59170

DST#: 1

ATTN: Brad Rine

Test Start: 2014.10.17 @ 16:56:15

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:57:15

Time Test Ended: 02:13:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 65

Interval: 4425.00 ft (KB) To 4458.00 ft (KB) (TVD)

Reference Elevations: 3089.00 ft (KB)

Total Depth: 4458.00 ft (KB) (TVD)

3079.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8846

Inside

Press@RunDepth: 75.97 psig @ 4453.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.17

End Date:

2014.10.18

Last Calib.:

2014.10.18

Start Time: 16:56:15

End Time:

02:13:30

Time On Btm:

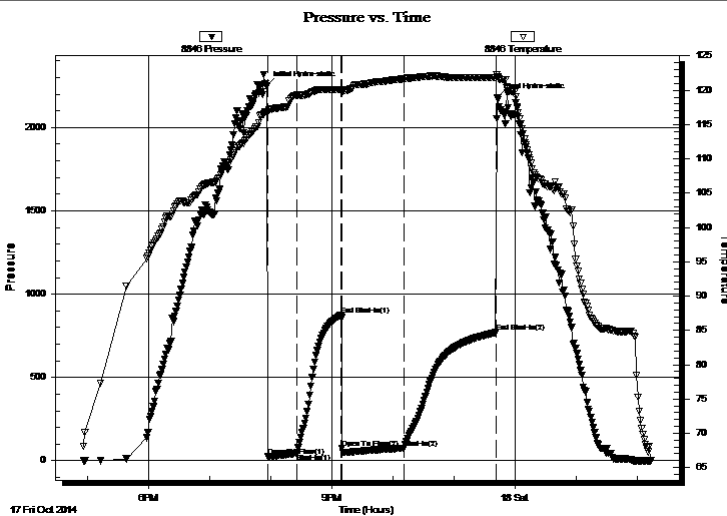
2014.10.17 @ 19:56:15

Time Off Btm:

2014.10.17 @ 23:42:45

TEST COMMENT: IF: Built to 9" blow
IS: No return blow
FF: BOB in 35 min.
FS: No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2249.86	116.68	Initial Hydro-static
1	24.42	116.93	Open To Flow (1)
29	44.05	119.26	Shut-In(1)
73	875.46	120.10	End Shut-In(1)
74	76.51	119.76	Open To Flow (2)
135	75.97	121.66	Shut-In(2)
225	770.34	121.87	End Shut-In(2)
227	2181.35	122.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	free oil	0.87
62.00	mco 20% m 80% o	0.87

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Landmark Resources Inc.

7-17s-33w Scott,KS

1616 Voss Rd. STE 600
Houston TX 77057

Janzen #3-7

Job Ticket: 59170

DST#: 1

ATTN: Brad Rine

Test Start: 2014.10.17 @ 16:56:15

Tool Information

Drill Pipe:	Length: 4411.00 ft	Diameter: 3.80 inches	Volume: 61.87 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 61.87 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	4425.00 ft			Final 77000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	33.00 ft			
Tool Length:	57.00 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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Change Over Sub	1.00			4402.00	
Shut In Tool	5.00			4407.00	
Hydraulic tool	5.00			4412.00	
Jars	5.00			4417.00	
Safety Joint	3.00			4420.00	
Packer	5.00			4425.00	24.00 Bottom Of Top Packer
Packer - Shale	0.00			4425.00	
Stubb	1.00			4426.00	
Perforations	27.00			4453.00	
Recorder	0.00	8846	Inside	4453.00	
Recorder	0.00	8737	Outside	4453.00	
Bullnose	5.00			4458.00	33.00 Anchor Tool

Total Tool Length: 57.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources Inc.

7-17s-33w Scott,KS

1616 Voss Rd. STE 600
Houston TX 77057

Janzen #3-7

Job Ticket: 59170

DST#: 1

ATTN: Brad Rine

Test Start: 2014.10.17 @ 16:56:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

32 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.74 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	free oil	0.870
62.00	mco 20%m 80%o	0.870

Total Length: 124.00 ft Total Volume: 1.740 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

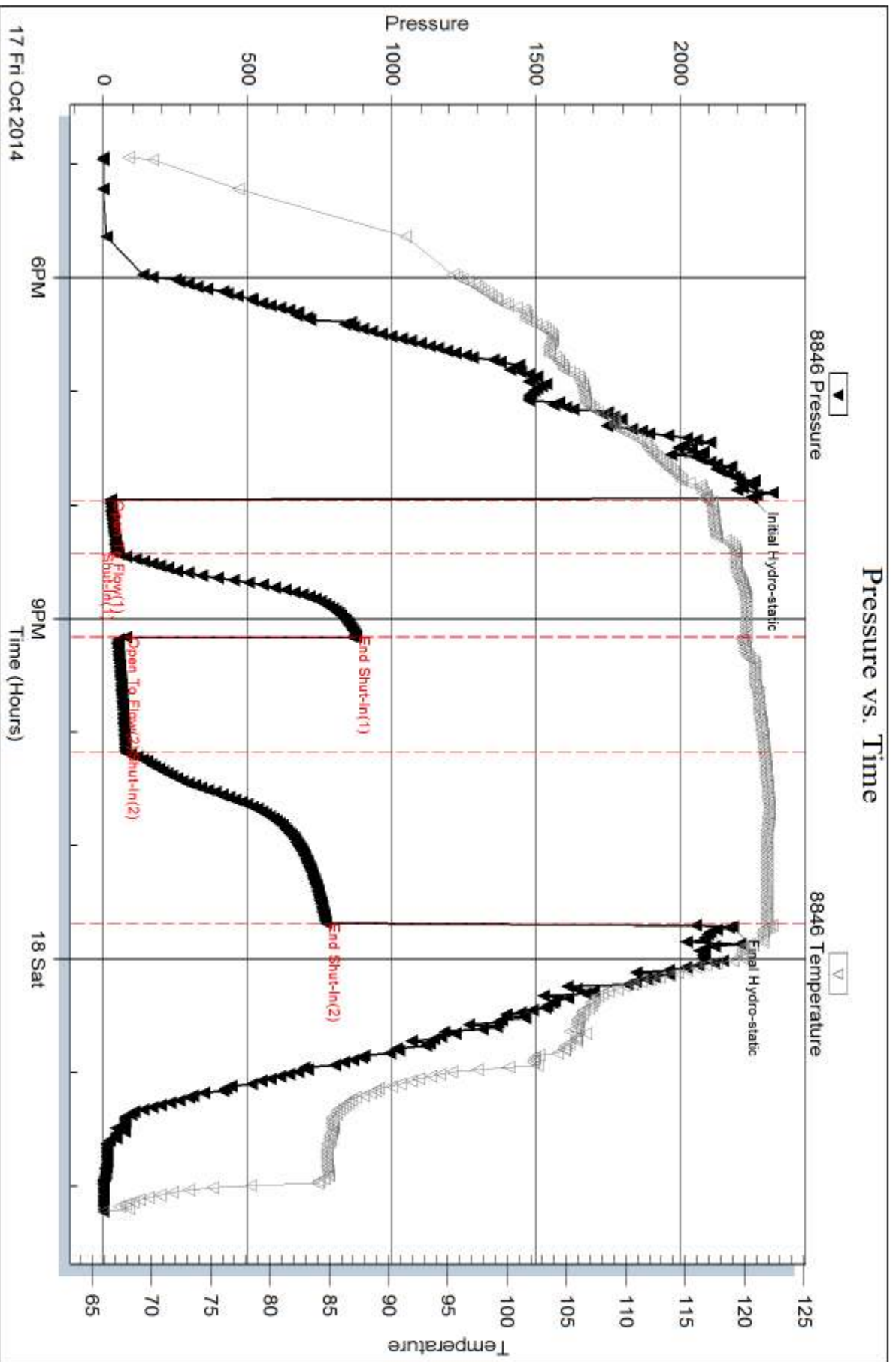
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API= 32 @ 60

Pressure vs. Time

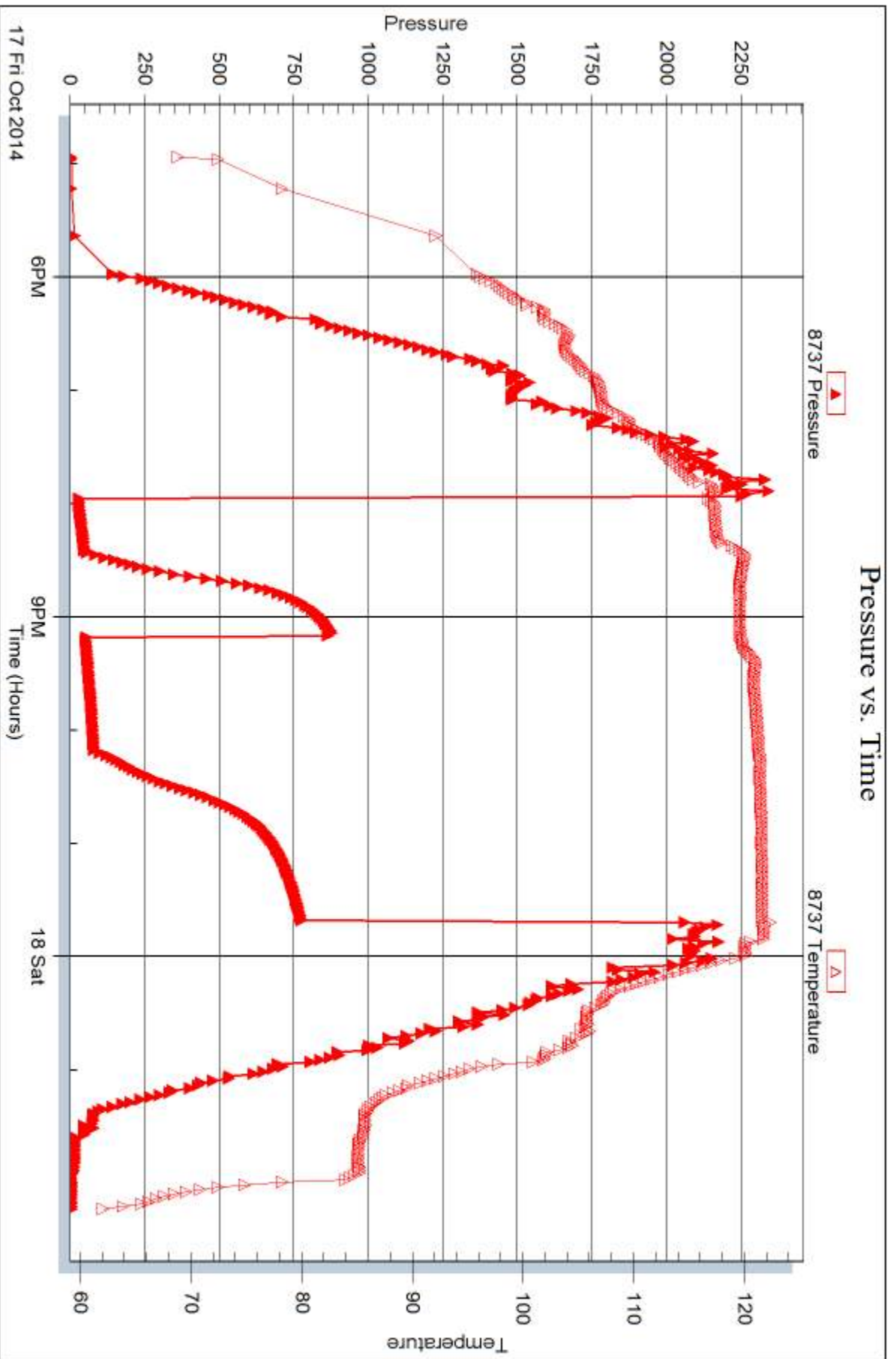


Serial #: 8737

Outside Landmark Resources Inc.

Janzen #3-7

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 59170

Printed: 2014, 10, 22 @ 16:30:24



DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc.**

1616 Voss Rd. STE 600
Houston TX 77057

ATTN: Brad Rine

Janzen #3-7

7-17s-33w Scott,KS

Start Date: 2014.10.18 @ 13:10:15

End Date: 2014.10.18 @ 20:54:45

Job Ticket #: 59171 DST #: 2

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

Printed: 2014.10.22 @ 16:30:02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Landmark Resources Inc.

7-17s-33w Scott,KS

1616 Voss Rd. STE 600
Houston TX 77057

Janzen #3-7

Job Ticket: 59171

DST#: 2

ATTN: Brad Rine

Test Start: 2014.10.18 @ 13:10:15

GENERAL INFORMATION:

Formation: **Altamont**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:52:30

Time Test Ended: 20:54:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: 4458.00 ft (KB) To 4500.00 ft (KB) (TVD)

Reference Elevations: 3089.00 ft (KB)

Total Depth: 4500.00 ft (KB) (TVD)

3079.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8846

Inside

Press@RunDepth: 24.32 psig @ 4462.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.18

End Date:

2014.10.18

Last Calib.: 2014.10.18

Start Time: 13:10:15

End Time:

20:54:45

Time On Btm: 2014.10.18 @ 15:52:15

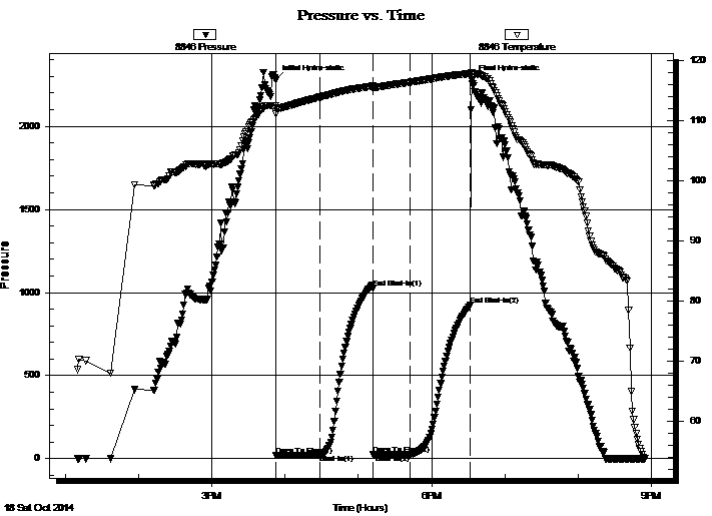
Time Off Btm: 2014.10.18 @ 18:32:45

TEST COMMENT: IF: Built to 1/8" blow

IS: No return blow

FF: No blow

FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2279.55	112.42	Initial Hydro-static
1	19.97	111.09	Open To Flow (1)
36	24.05	113.86	Shut-In(1)
80	1025.21	115.69	End Shut-In(1)
80	24.23	115.22	Open To Flow (2)
110	24.32	116.35	Shut-In(2)
160	922.88	117.79	End Shut-In(2)
161	2278.91	117.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud with oil spots in tool	0.28

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Landmark Resources Inc.

7-17s-33w Scott,KS

1616 Voss Rd. STE 600
Houston TX 77057

Janzen #3-7

Job Ticket: 59171

DST#: 2

ATTN: Brad Rine

Test Start: 2014.10.18 @ 13:10:15

Tool Information

Drill Pipe:	Length: 4439.00 ft	Diameter: 3.80 inches	Volume: 62.27 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 62.27 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4458.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	70.00 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			4431.00	
Shut In Tool	5.00			4436.00	
Hydraulic tool	5.00			4441.00	
Jars	5.00			4446.00	
Safety Joint	3.00			4449.00	
Packer	5.00			4454.00	28.00 Bottom Of Top Packer
Packer	4.00			4458.00	
Stubb	1.00			4459.00	
Perforations	3.00			4462.00	
Recorder	0.00	8846	Inside	4462.00	
Recorder	0.00	8737	Outside	4462.00	
Change Over Sub	1.00			4463.00	
Blank Spacing	31.00			4494.00	
Change Over Sub	1.00			4495.00	
Bullnose	5.00			4500.00	42.00 Bottom Packers & Anchor

Total Tool Length: 70.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources Inc.

7-17s-33w Scott,KS

1616 Voss Rd. STE 600
Houston TX 77057

Janzen #3-7

Job Ticket: 59171

DST#: 2

ATTN: Brad Rine

Test Start: 2014.10.18 @ 13:10:15

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: 67.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.34 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	mud w ith oil spots in tool	0.281

Total Length: 20.00 ft Total Volume: 0.281 bbl

Num Fluid Samples: 0

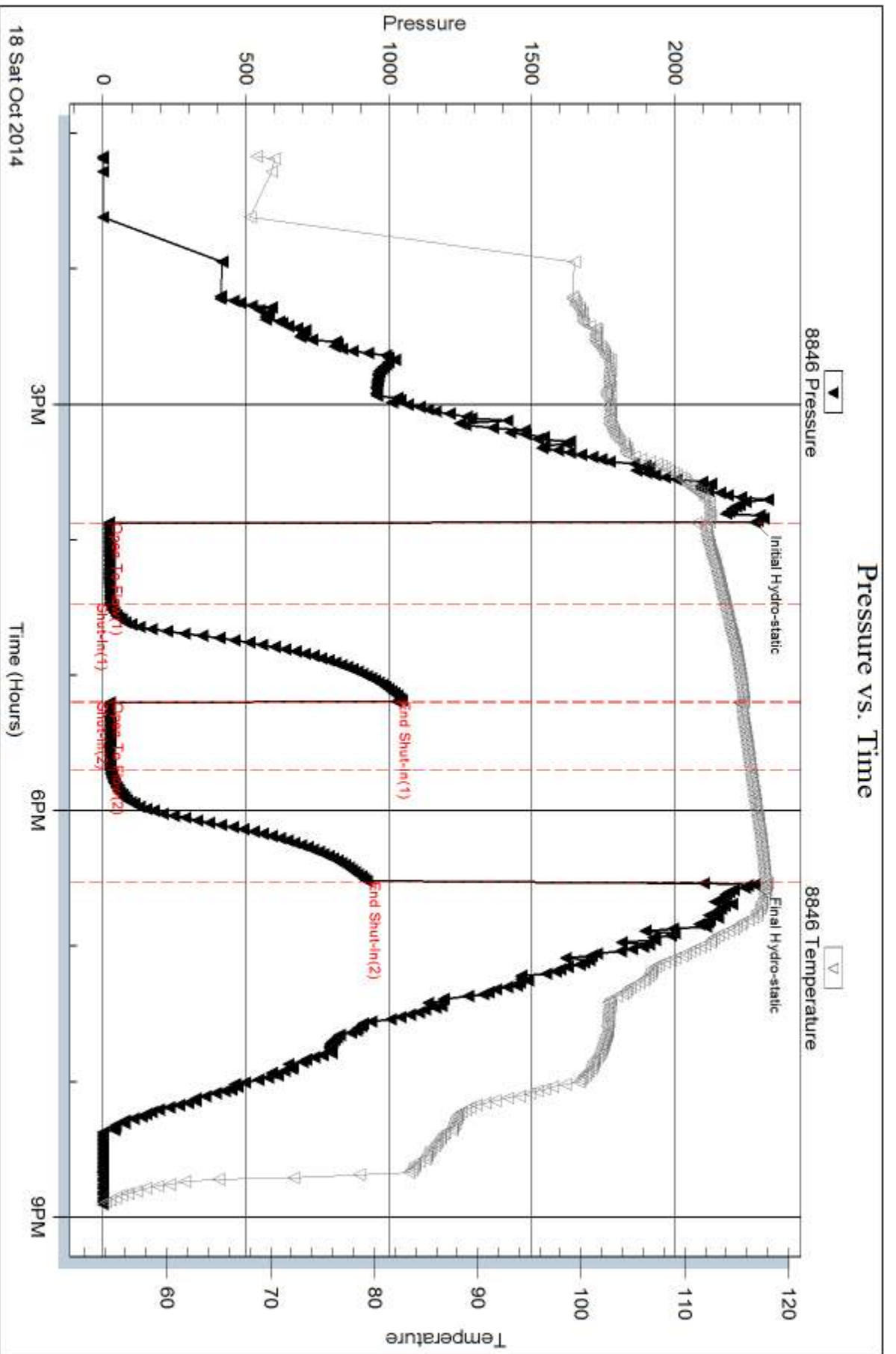
Num Gas Bombs: 0

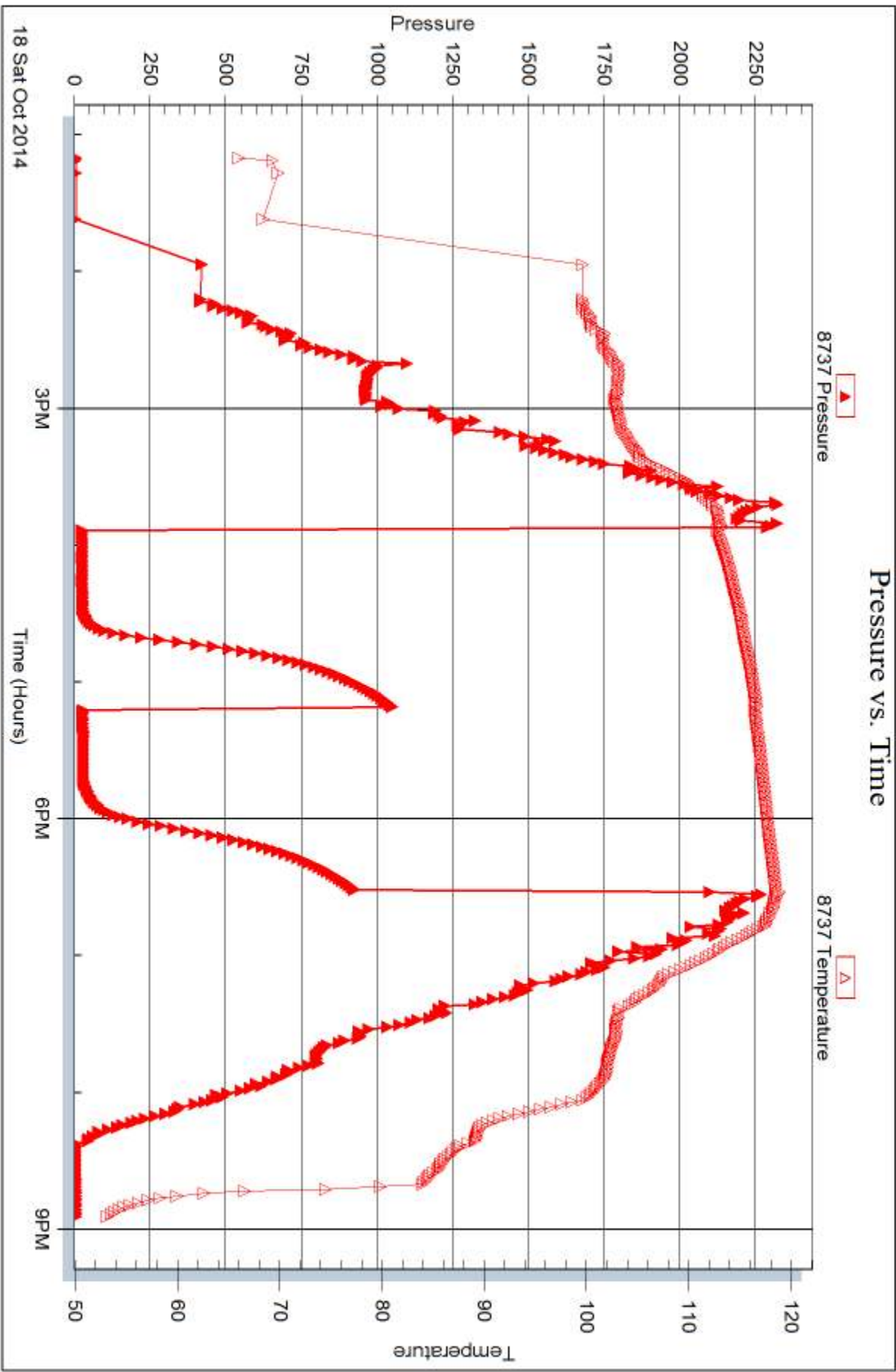
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc.**

1616 Voss Rd. STE 600
Houston TX 77057

ATTN: Brad Rine

Janzen #3-7

7-17s-33w Scott,KS

Start Date: 2014.10.19 @ 18:10:15

End Date: 2014.10.20 @ 02:38:45

Job Ticket #: 59172 DST #: 3

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

Printed: 2014.10.22 @ 16:29:40



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Landmark Resources Inc.

7-17s-33w Scott,KS

1616 Voss Rd. STE 600
Houston TX 77057

Janzen #3-7

Job Ticket: 59172

DST#: 3

ATTN: Brad Rine

Test Start: 2014.10.19 @ 18:10:15

GENERAL INFORMATION:

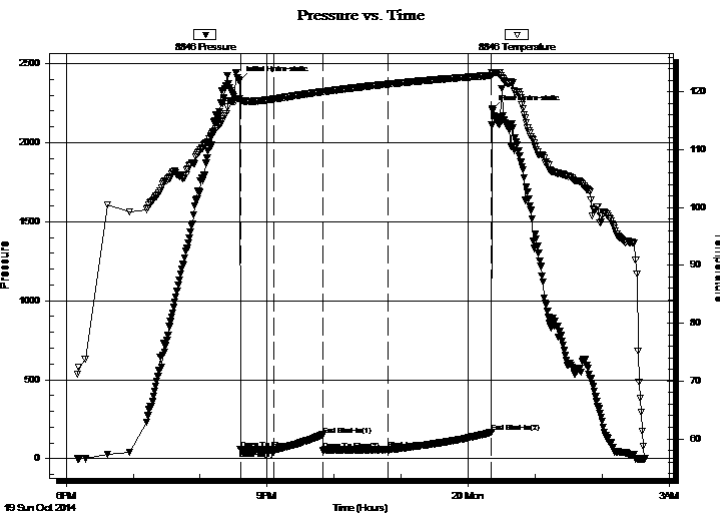
Formation: **Pawnee - Ft.Scott**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:36:00
 Time Test Ended: 02:38:45
 Interval: **4509.00 ft (KB) To 4610.00 ft (KB) (TVD)**
 Total Depth: 4610.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Mike Roberts
 Unit No: 65
 Reference Elevations: 3089.00 ft (KB)
 3079.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8846

Inside

Press@RunDepth: 58.47 psig @ 4515.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.10.19 End Date: 2014.10.20 Last Calib.: 2014.10.20
 Start Time: 18:10:15 End Time: 02:38:45 Time On Btm: 2014.10.19 @ 20:35:15
 Time Off Btm: 2014.10.20 @ 00:21:45

TEST COMMENT: IF: Built to 1/2" blow
 IS: No return blow
 FF: Built to 3" blow
 FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2392.99	118.85	Initial Hydro-static
1	58.38	118.53	Open To Flow (1)
31	55.31	118.76	Shut-In(1)
75	152.11	120.02	End Shut-In(1)
75	52.26	120.01	Open To Flow (2)
134	58.47	121.33	Shut-In(2)
226	167.38	122.83	End Shut-In(2)
227	2210.70	123.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud 100% m (thick mud)	0.21

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Landmark Resources Inc.

7-17s-33w Scott,KS

1616 Voss Rd. STE 600
Houston TX 77057

Janzen #3-7

Job Ticket: 59172

DST#: 3

ATTN: Brad Rine

Test Start: 2014.10.19 @ 18:10:15

Tool Information

Drill Pipe:	Length: 4501.00 ft	Diameter: 3.80 inches	Volume: 63.14 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 63.14 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4509.00 ft			Final 81000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	101.00 ft			
Tool Length:	129.00 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			4482.00	
Shut In Tool	5.00			4487.00	
Hydraulic tool	5.00			4492.00	
Jars	5.00			4497.00	
Safety Joint	3.00			4500.00	
Packer	5.00			4505.00	28.00 Bottom Of Top Packer
Packer	4.00			4509.00	
Stubb	1.00			4510.00	
Perforations	5.00			4515.00	
Recorder	0.00	8846	Inside	4515.00	
Recorder	0.00	8737	Outside	4515.00	
Change Over Sub	1.00			4516.00	
Blank Spacing	63.00			4579.00	
Change Over Sub	1.00			4580.00	
Perforations	25.00			4605.00	
Bullnose	5.00			4610.00	101.00 Bottom Packers & Anchor
Total Tool Length:	129.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources Inc.

7-17s-33w Scott,KS

1616 Voss Rd. STE 600
Houston TX 77057

Janzen #3-7

Job Ticket: 59172

DST#: 3

ATTN: Brad Rine

Test Start: 2014.10.19 @ 18:10:15

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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.26 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	mud 100%m (thick mud)	0.210

Total Length: 15.00 ft Total Volume: 0.210 bbl

Num Fluid Samples: 0

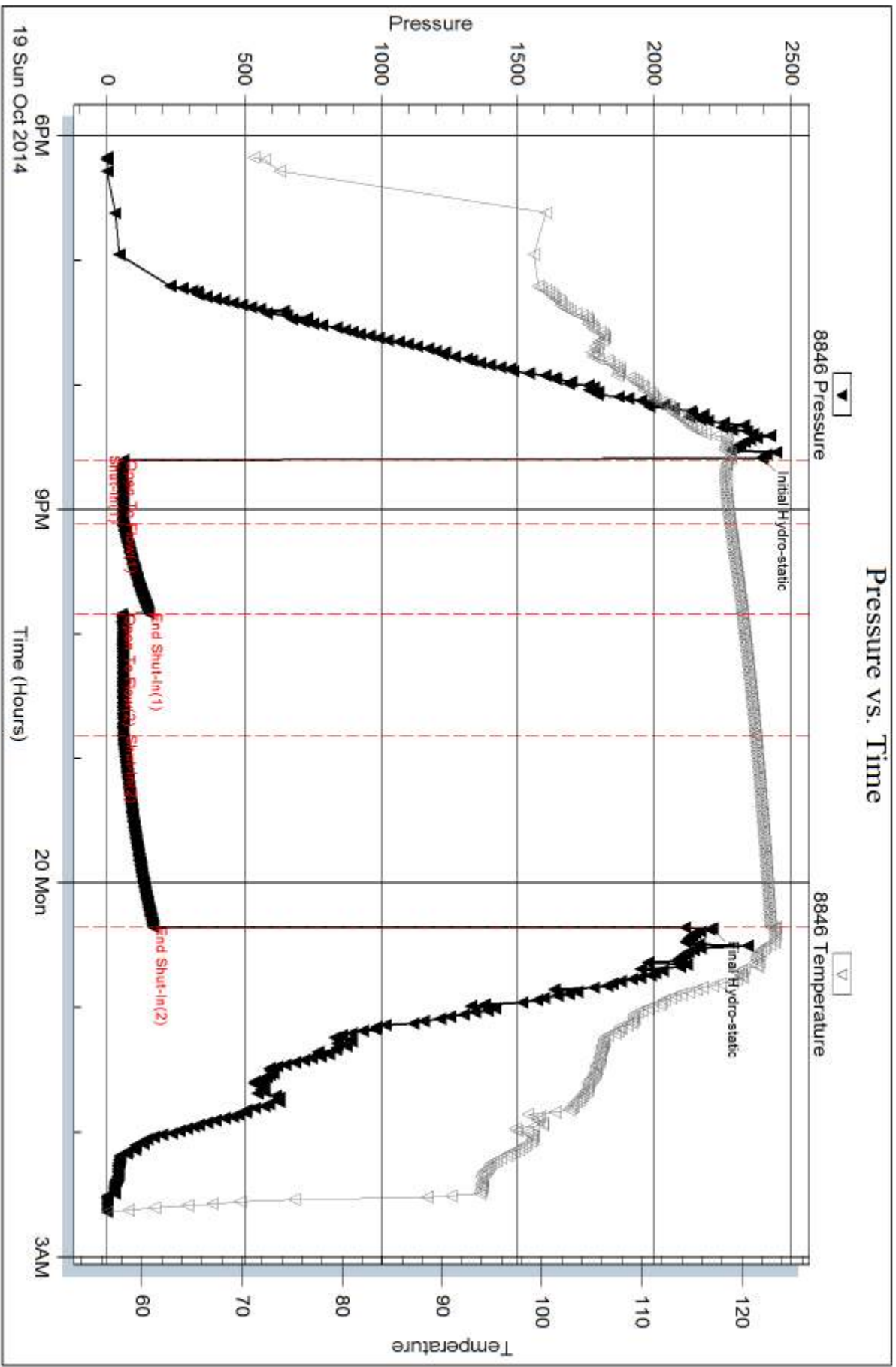
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

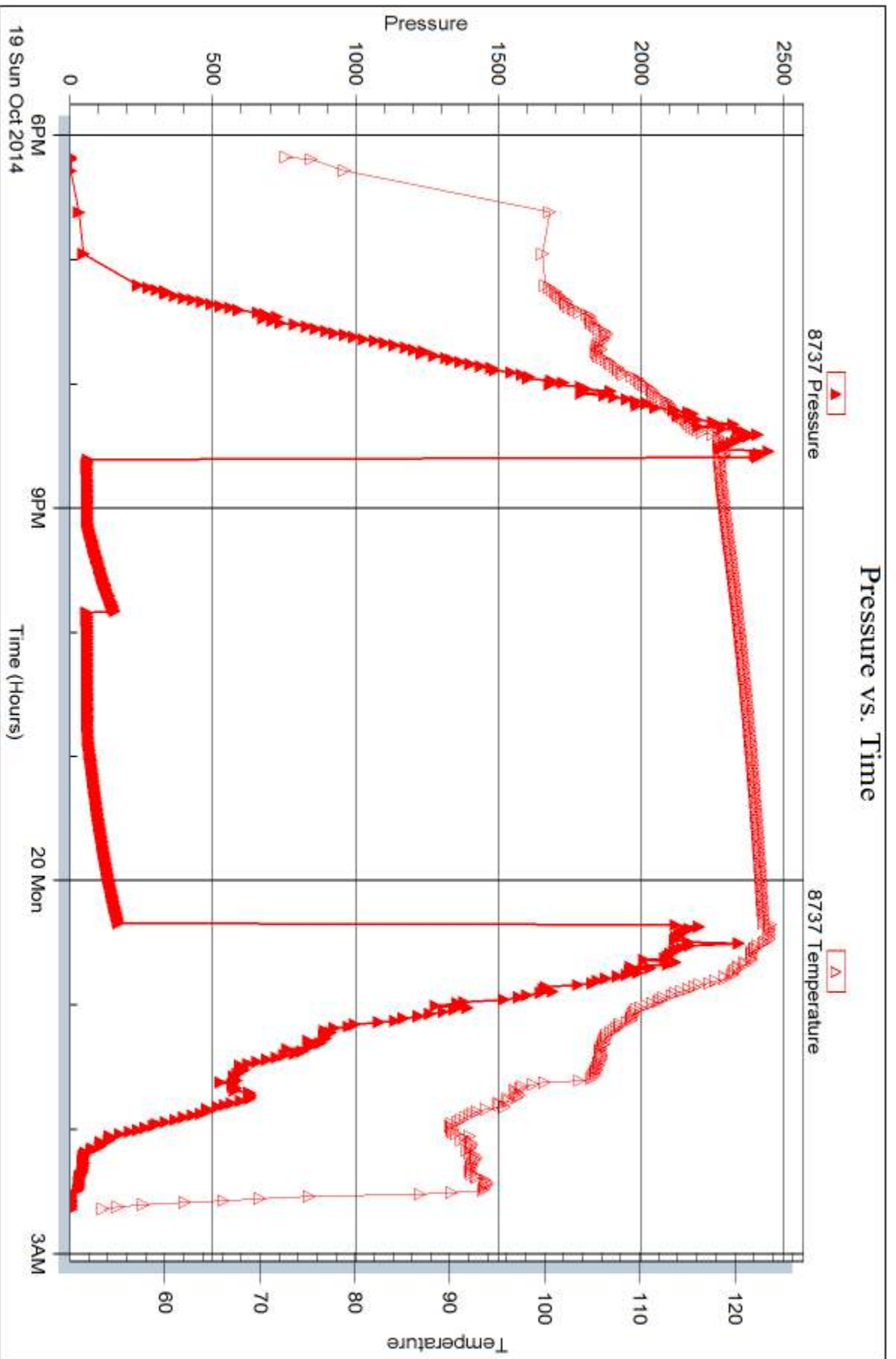


Serial #: 8737

Outside Landmark Resources Inc.

Janzen #3-7

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 59172

Printed: 2014, 10, 22 @ 16:29:42



DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc.**

1616 Voss Rd. STE 600
Houston TX 77057

ATTN: Brad Rine

Janzen #3-7

7-17s-33w Scott,KS

Start Date: 2014.10.20 @ 19:42:15

End Date: 2014.10.21 @ 02:47:30

Job Ticket #: 59173 DST #: 4

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

Printed: 2014.10.22 @ 16:28:50



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Landmark Resources Inc.

7-17s-33w Scott,KS

1616 Voss Rd. STE 600
Houston TX 77057

Janzen #3-7

Job Ticket: 59173

DST#: 4

ATTN: Brad Rine

Test Start: 2014.10.20 @ 19:42:15

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:03:00

Time Test Ended: 02:47:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: 4614.00 ft (KB) To 4715.00 ft (KB) (TVD)

Reference Elevations: 3089.00 ft (KB)

Total Depth: 4715.00 ft (KB) (TVD)

3079.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8846

Inside

Press@RunDepth: 72.04 psig @ 4620.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.20

End Date:

2014.10.21

Last Calib.: 2014.10.21

Start Time: 19:42:15

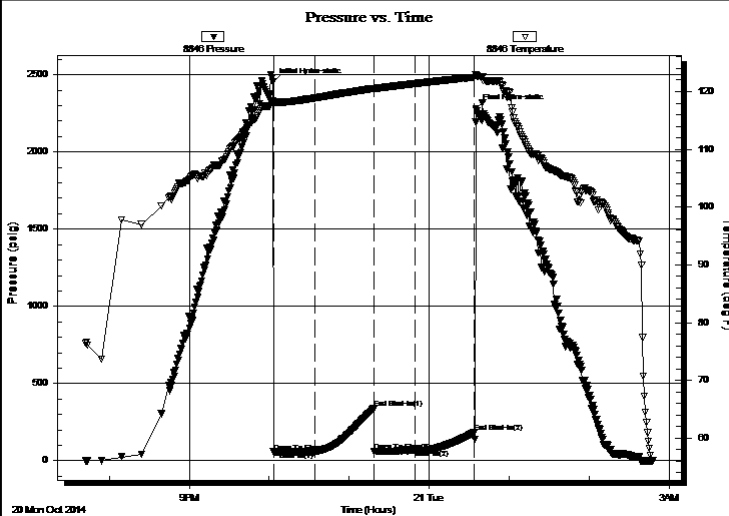
End Time:

02:47:30

Time On Btm: 2014.10.20 @ 22:02:45

Time Off Btm: 2014.10.21 @ 00:35:00

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2451.33	118.49	Initial Hydro-static
1	58.02	117.75	Open To Flow (1)
31	58.51	118.87	Shut-In(1)
76	338.44	120.54	End Shut-In(1)
76	59.39	120.44	Open To Flow (2)
107	72.04	121.37	Shut-In(2)
151	183.84	122.47	End Shut-In(2)
153	2278.79	122.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%m	0.07

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Landmark Resources Inc.

7-17s-33w Scott,KS

1616 Voss Rd. STE 600
Houston TX 77057

Janzen #3-7

Job Ticket: 59173

DST#: 4

ATTN: Brad Rine

Test Start: 2014.10.20 @ 19:42:15

Tool Information

Drill Pipe:	Length: 4596.00 ft	Diameter: 3.80 inches	Volume: 64.47 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 64.47 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	4614.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	101.00 ft			
Tool Length:	129.00 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			4587.00	
Shut In Tool	5.00			4592.00	
Hydraulic tool	5.00			4597.00	
Jars	5.00			4602.00	
Safety Joint	3.00			4605.00	
Packer	5.00			4610.00	28.00 Bottom Of Top Packer
Packer	4.00			4614.00	
Stubb	1.00			4615.00	
Perforations	5.00			4620.00	
Recorder	0.00	8846	Inside	4620.00	
Recorder	0.00	8737	Outside	4620.00	
Change Over Sub	1.00			4621.00	
Blank Spacing	63.00			4684.00	
Change Over Sub	1.00			4685.00	
Perforations	25.00			4710.00	
Bullnose	5.00			4715.00	101.00 Bottom Packers & Anchor
Total Tool Length:	129.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources Inc.

7-17s-33w Scott,KS

1616 Voss Rd. STE 600
Houston TX 77057

Janzen #3-7

Job Ticket: 59173

DST#: 4

ATTN: Brad Rine

Test Start: 2014.10.20 @ 19:42:15

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: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 9300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

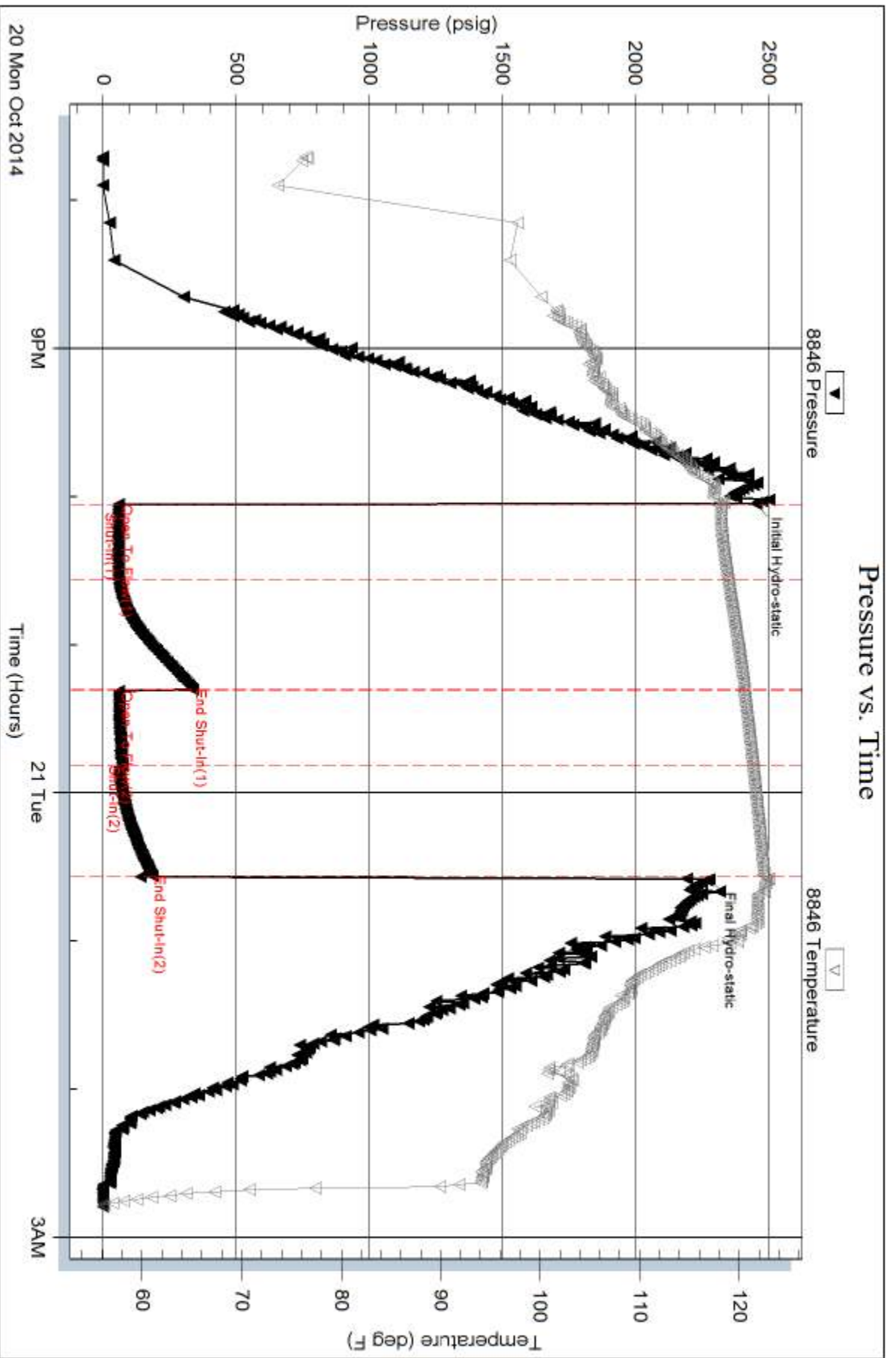
Serial #:

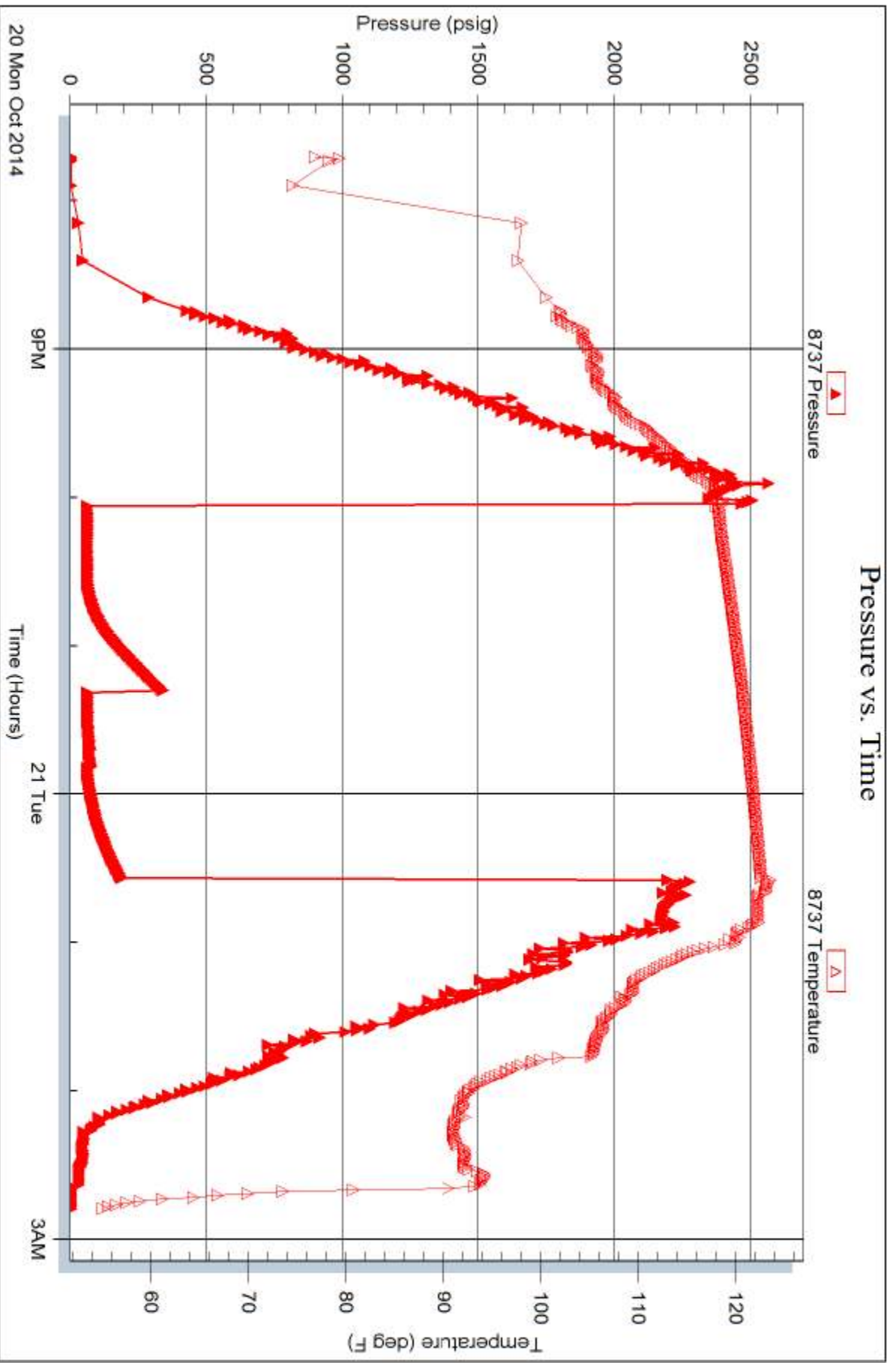
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59170

4/10

Well Name & No. Janzen 3-7 Test No. 1 Date 10-17-14
 Company Landmark Resources Inc. Elevation 3089 KB 3079 GL
 Address 1616 VOSS Rd STE 600 Houston TX 77057
 Co. Rep / Geo. Brad Rine Rig Val Rig 1
 Location: Sec. 7 Twp. 17S Rge 33W Co. SCOTT State KS

Interval Tested 4425-4458 Zone Tested Marmaton
 Anchor Length 33 Drill Pipe Run 4411 Mud Wt. 9.3
 Top Packer Depth 4420 Drill Collars Run ∅ Vis 53
 Bottom Packer Depth 4425 Wt. Pipe Run ∅ WL 8.8
 Total Depth 4458 Chlorides 6000 ppm System LCM 1

Blow Description IF: Built to 9" Blow
IS: No Return Blow
FF: BOB IN 35 Min
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>Free Ort</u>		<u>100</u>		
<u>62</u>	<u>MCO</u>		<u>80</u>	<u>20</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 124 BHT 125 Gravity 32 API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic <u>2249</u>	<input checked="" type="checkbox"/> Test <u>1250.00</u>	T-On Location <u>14:50</u>
(B) First Initial Flow <u>24</u>	<input checked="" type="checkbox"/> Jars <u>250.00</u>	T-Started <u>16:56</u>
(C) First Final Flow <u>44</u>	<input checked="" type="checkbox"/> Safety Joint <u>75.00</u>	T-Open <u>19:55</u>
(D) Initial Shut-In <u>875</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>23:40</u>
(E) Second Initial Flow <u>74</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>02:13</u>
(F) Second Final Flow <u>75</u>	<input checked="" type="checkbox"/> Mileage <u>40 RT = 62.00</u>	Comments
(G) Final Shut-In <u>770</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2181</u>	<input type="checkbox"/> Straddle	
	<input checked="" type="checkbox"/> Shale Packer <u>250.00</u>	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies

Initial Open 35
 Initial Shut-In 45
 Final Flow 60
 Final Shut-In 90

Sub Total \$1887.00/-

Sub Total 0
 Total 1887
 MP/DST Disc't

Approved By Brad Rine

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. 59171

Well Name & No. Janzen 3-7 Test No. 2 Date 10-18-14
 Company Landmark Resources Inc. Elevation 3089 KB 3079 GL
 Address 1614 VOSS Rd STE 600 Houston TX 77057
 Co. Rep / Geo. Brad Rine Rig Val#1
 Location: Sec. 7 Twp. 17S Rge. 33W Co. SCOTT State _____

Interval Tested 4458-4500 Zone Tested Allamont
 Anchor Length 42 Drill Pipe Run 4439 Mud Wt. 9.3
 Top Packer Depth 4453 Drill Collars Run Ø Vis 67
 Bottom Packer Depth 4458 Wt. Pipe Run Ø WL 10.4
 Total Depth 4500 Chlorides 8100 ppm System LCM 1

Blow Description IF: Built to 1/8" Blow
IS: No Return Blow
FF: No Blow
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>MUD with oil spots in tool</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 20 BHT 117 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2279</u>	<input checked="" type="checkbox"/> Test <u>1250.00</u>	T-On Location <u>13:00</u>
(B) First Initial Flow <u>19</u>	<input checked="" type="checkbox"/> Jars <u>250.00</u>	T-Started <u>13:10</u>
(C) First Final Flow <u>24</u>	<input checked="" type="checkbox"/> Safety Joint <u>75.00</u>	T-Open <u>15:52</u>
(D) Initial Shut-In <u>1025</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>18:27</u>
(E) Second Initial Flow <u>24</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>20:54</u>
(F) Second Final Flow <u>24</u>	<input checked="" type="checkbox"/> Mileage <u>40 RT 62.00</u>	Comments _____
(G) Final Shut-In <u>922</u>	<input type="checkbox"/> Sampler _____	<input type="checkbox"/> Ruined Shale Packer _____
(H) Final Hydrostatic <u>2278</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Packer _____

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

Sub Total 0
 Total 1637
 MP/DST Disc't _____

Approved By Brad Rine Our Representative Mike Rolt

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59172

Well Name & No. Janzen 3-7 Test No. 3 Date 10-19-14
 Company Landmark Resources Inc Elevation 3089 KB 3079 GL
 Address 1616 VOSS Rd STE 600 Houston TX 77057
 Co. Rep / Geo. Brad Rive Rig Val #1
 Location: Sec. 7 Twp. 17S Rge. 33W Co. SCOTT State KS

Interval Tested 4509-4610 Zone Tested Pawnee-Myrick station Ft. Scott
 Anchor Length 101 Drill Pipe Run 4501 Mud Wt. 9.3
 Top Packer Depth 4504 Drill Collars Run Ø Vis 60
 Bottom Packer Depth 4509 Wt. Pipe Run Ø WL 10.3
 Total Depth 4610 Chlorides 8500 ppm System LCM 1

Blow Description IF: Built to 1/2" Blow
IS: No Return Blow
FF: Built to 3" Blow
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>MUD (thick 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 15 BHT 122 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic — Test 1250.00 T-On Location 16:30
 (B) First Initial Flow — Jars 250.00 T-Started 18:10
 (C) First Final Flow — Safety Joint 75.00 T-Open 20:35
 (D) Initial Shut-In — Circ Sub NL T-Pulled 00:20
 (E) Second Initial Flow — Hourly Standby — T-Out 02:38
 (F) Second Final Flow — Mileage 40 RT 62.00 Comments —
 (G) Final Shut-In — Sampler —
 (H) Final Hydrostatic — 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 60 Day Standby — Total 1637
 Final Shut-In 90 Accessibility — MP/DST Disc't —
 Sub Total \$1637.00/-

Approved By Brad Rive Our Representative Mike Roberts

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59173

Well Name & No. Janzen 3-7 Test No. 4 Date 10-20-14
 Company Landmark Resources Inc Elevation 3089 KB 3079 GL
 Address 1614 Voss Rd STE 600 Houston TX 77057
 Co. Rep / Geo. Brad Rine Rig Val #1
 Location: Sec. 7 Twp. 17S Rge. 33W Co. SCOTT State KS

Interval Tested 4614-4715 Zone Tested Johnson
 Anchor Length 101 Drill Pipe Run 4596 Mud Wt. 9.2
 Top Packer Depth 4610 Drill Collars Run 0 Vis 65
 Bottom Packer Depth 4614 Wt. Pipe Run 0 WL 10.8
 Total Depth 4715 Chlorides 9300 ppm System LCM 1

Blow Description IF: Built to 14 Blow
IS: NO Return Blow
FF: NO Blow
FS: NO Return Blow

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

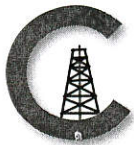
Rec Total 5 BHT 122 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2451</u>	<input checked="" type="checkbox"/> Test <u>1250.00</u>	T-On Location <u>18:45</u>
(B) First Initial Flow <u>58</u>	<input checked="" type="checkbox"/> Jars <u>250.00</u>	T-Started <u>19:42</u>
(C) First Final Flow <u>58</u>	<input checked="" type="checkbox"/> Safety Joint <u>75.00</u>	T-Open <u>22:02</u>
(D) Initial Shut-In <u>338</u>	<input checked="" type="checkbox"/> Circ Sub <u>120</u>	T-Pulled <u>00:32</u>
(E) Second Initial Flow <u>59</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>02:47</u>
(F) Second Final Flow <u>72</u>	<input checked="" type="checkbox"/> Mileage <u>40 RT 62.0%</u>	Comments <u>Loaded -</u>
(G) Final Shut-In <u>183</u>	<input type="checkbox"/> Sampler <u>62</u>	<u>tools 08:30</u>
(H) Final Hydrostatic <u>2278</u>	<input type="checkbox"/> Straddle _____	<u>on 22nd</u>

Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Shut-In <u>45</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
	<input type="checkbox"/> Day Standby _____	Total <u>1699</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>\$1637.00</u>	

Approved By Brad Rine Our Representative Mike Pelt

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CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
Fax 620/431-0012

INVOICE Invoice # 271992

Invoice Date: 10/27/2014 Terms: 10/10/10,n/30 Page 1

LANDMARK RESORUCES
1616 S. VOSS ROAD SUITE 150
HOUSTON TX 77057
(713)243-8550

JANZEN 3-7
7-17-33
46697
10/22/2014
KS

Part Number	Description	Qty	Unit Price	Total
1131	60/40 POZ MIX	300.00	15.8600	4758.00
1118B	PREMIUM GEL / BENTONITE	1032.00	.2700	278.64
1107	FLO-SEAL (25#)	75.00	2.9700	222.75

Sublet Performed	Description	Total
9995-130	CEMENT EQUIPMENT DISCOUNT	-250.80
9996-130	CEMENT MATERIAL DISCOUNT	-525.93

Description	Hours	Unit Price	Total
399 P & A NEW WELL	1.00	1395.00	1395.00
399 EQUIPMENT MILEAGE (ONE WAY)	40.00	5.25	210.00
528 TON MILEAGE DELIVERY	1.00	903.00	903.00

Amount Due 8196.03 if paid after 11/06/2014

Parts:	5259.39	Freight:	.00	Tax:	385.78	AR	7376.44
Labor:	.00	Misc:	.00	Total:	7376.44		
Sublt:	-776.73	Supplies:	.00	Change:	.00		

Signed _____ Date _____

