

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1261489
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: _____

1261489



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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No 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: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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: _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Decker 3-17
Doc ID	1261489

All Electric Logs Run

Dual Comp Porosity
Microresistivity
Borehole Compensated Sonic
Dual Induction

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Decker 3-17
Doc ID	1261489

Tops

Name	Top	Datum
Anhydrite	2450	704
B/Anhydrite	2468	686
Topeka	3779	-625
Heebner	4021	-867
Toronto	4038	-884
Lansing	4066	-912
C	4107	-953
D	4121	-967
E	4158	-1004
F	4167	-1013
G	4179	-1025
Muncie Creek	4251	-1097
H	4261	-1107
I	4290	-1136
J	4327	-1173
Stark Shale	4355	-1201
K	4365	-1211
L	4417	-1263
BKC	4452	-1298
Marmaton	4516	-1362
Altamont	4536	-1382
Pawnee	4586	-1432
Myrick Station	4625	-1471
Fort Scott	4640	-1486

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Decker 3-17
Doc ID	1261489

Tops

Name	Top	Datum
Cherokee	4665	-1511
Johnson Zone	4722	-1568
Morrow Shale	4804	-1650
Up Morrow Shale	4826	-1672
Missippian	4911	-1757



DRILL STEM TEST REPORT

Prepared For: **Landmark Resources , Inc.**

1616 S Voss Rd Ste 600
Houston TX 77057

ATTN: Wes Hansen

Decker #3-17

17-17s-34w Scott,KS

Start Date: 2015.07.07 @ 04:45:00

End Date: 2015.07.07 @ 07:20:00

Job Ticket #: 58671 DST #: 1

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

Printed: 2015.07.13 @ 10:59:46



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Landmark Resources , Inc.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58671

DST#: 1

ATTN: Wes Hansen

Test Start: 2015.07.07 @ 04:45:00

GENERAL INFORMATION:

Formation: **LKC H & I**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened:

Time Test Ended: 07:20:00

Test Type: Conventional Straddle (Initial)

Tester: Justin Harris

Unit No: 71

Interval: 4254.00 ft (KB) To 4330.00 ft (KB) (TVD)

Reference Elevations: 3154.00 ft (KB)

Total Depth: 4350.00 ft (KB) (TVD)

3143.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8674

Inside

Press@RunDepth: psig @ 4255.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.07

End Date:

2015.07.07

Last Calib.:

2015.07.07

Start Time:

04:45:05

End Time:

07:20:00

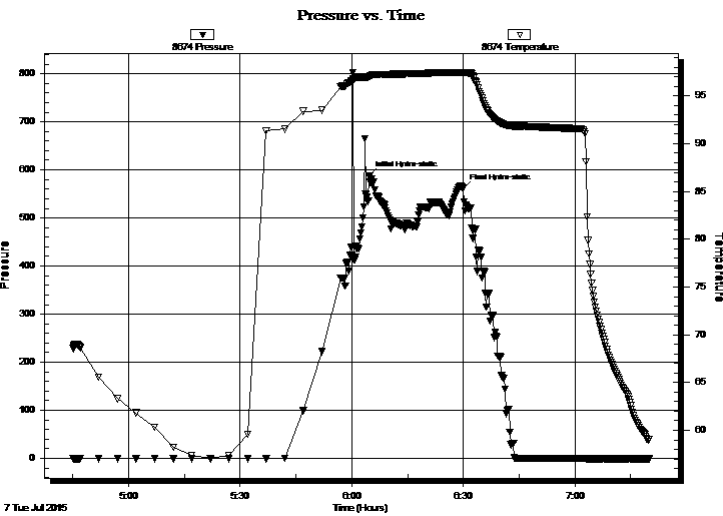
Time On Btm:

2015.07.07 @ 06:04:45

Time Off Btm:

2015.07.07 @ 06:30:00

TEST COMMENT:



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	587.09	97.00	Initial Hydro-static
26	561.25	97.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Landmark Resources , Inc.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

ATTN: Wes Hansen

Job Ticket: 58671

DST#: 1

Test Start: 2015.07.07 @ 04:45:00

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Formation: **LKC H & I**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened:

Time Test Ended: 07:20:00

Interval: 4254.00 ft (KB) To 4330.00 ft (KB) (TVD)

Total Depth: 4350.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Straddle (Initial)

Tester: Justin Harris

Unit No: 71

Reference Elevations: 3154.00 ft (KB)

3143.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8355

Outside

Press@RunDepth: psig @ 4255.00 ft (KB)

Start Date: 2015.07.07

End Date:

2015.07.07

Start Time: 04:45:05

End Time:

07:20:15

Capacity: 8000.00 psig

Last Calib.:

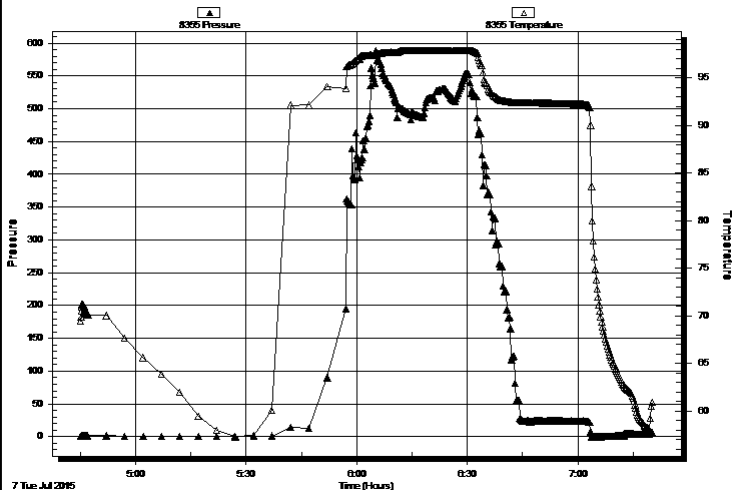
2015.07.07

Time On Btm:

Time Off Btm:

TEST COMMENT:

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Landmark Resources , Inc.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

ATTN: Wes Hansen

Job Ticket: 58671

DST#: 1

Test Start: 2015.07.07 @ 04:45:00

GENERAL INFORMATION:

Formation: **LKC H & I**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened:

Time Test Ended: 07:20:00

Interval: 4254.00 ft (KB) To 4330.00 ft (KB) (TVD)

Total Depth: 4350.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Straddle (Initial)

Tester: Justin Harris

Unit No: 71

Reference Elevations: 3154.00 ft (KB)

3143.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8672 Below (Straddle)

Press@RunDepth: psig @ 4331.00 ft (KB)

Start Date: 2015.07.07 End Date: 2015.07.07

Start Time: 04:45:05 End Time: 07:24:45

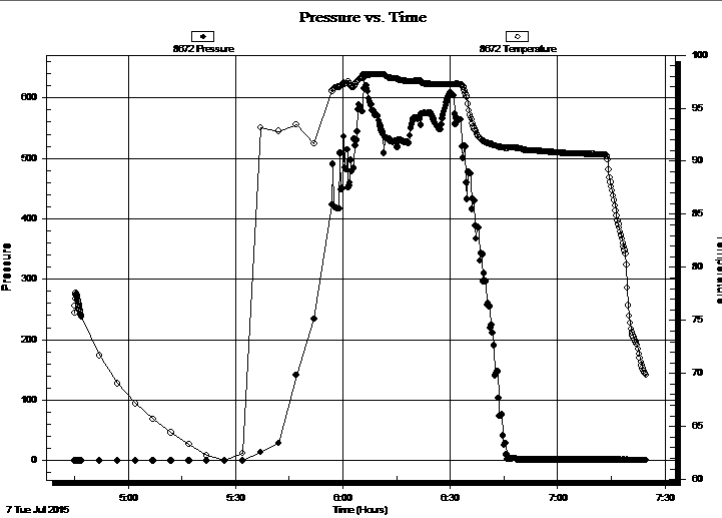
Capacity: 8000.00 psig

Last Calib.: 2015.07.07

Time On Btm:

Time Off Btm:

TEST COMMENT:



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Landmark Resources , Inc.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58671

DST#: 1

ATTN: Wes Hansen

Test Start: 2015.07.07 @ 04:45:00

Tool Information

Drill Pipe:	Length: 3955.00 ft	Diameter: 3.80 inches	Volume: 55.48 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 278.00 ft	Diameter: 2.25 inches	Volume: 1.37 bbl	Weight to Pull Loose: lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial lb
Depth to Top Packer:	4254.00 ft			Final lb
Depth to Bottom Packer:	4330.00 ft			
Interval between Packers:	76.00 ft			
Tool Length:	124.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description

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

Change Over Sub	1.00			4227.00	
Shut In Tool	5.00			4232.00	
Hydraulic tool	5.00			4237.00	
Jars	5.00			4242.00	
Safety Joint	3.00			4245.00	
Packer	5.00			4250.00	28.00 Bottom Of Top Packer
Packer	4.00			4254.00	
Stubb	1.00			4255.00	
Recorder	0.00	8355	Outside	4255.00	
Recorder	0.00	8674	Inside	4255.00	
Perforations	1.00			4256.00	
Change Over Sub	1.00			4257.00	
Drill Pipe	63.00			4320.00	
Change Over Sub	1.00			4321.00	
Perforations	5.00			4326.00	
Blank Off Sub	1.00			4327.00	
Top of S Packer	3.00			4330.00	76.00 Tool Interval
Packer	0.00			4330.00	
Stubb	1.00			4331.00	
Recorder	0.00	8672	Below	4331.00	
Perforations	14.00			4345.00	
Bullnose	5.00			4350.00	20.00 Bottom Packers & Anchor

Total Tool Length: 124.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources , Inc.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58671

DST#: 1

ATTN: Wes Hansen

Test Start: 2015.07.07 @ 04:45:00

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:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl

Total Length: ft Total Volume: bbl

Num Fluid Samples: 0

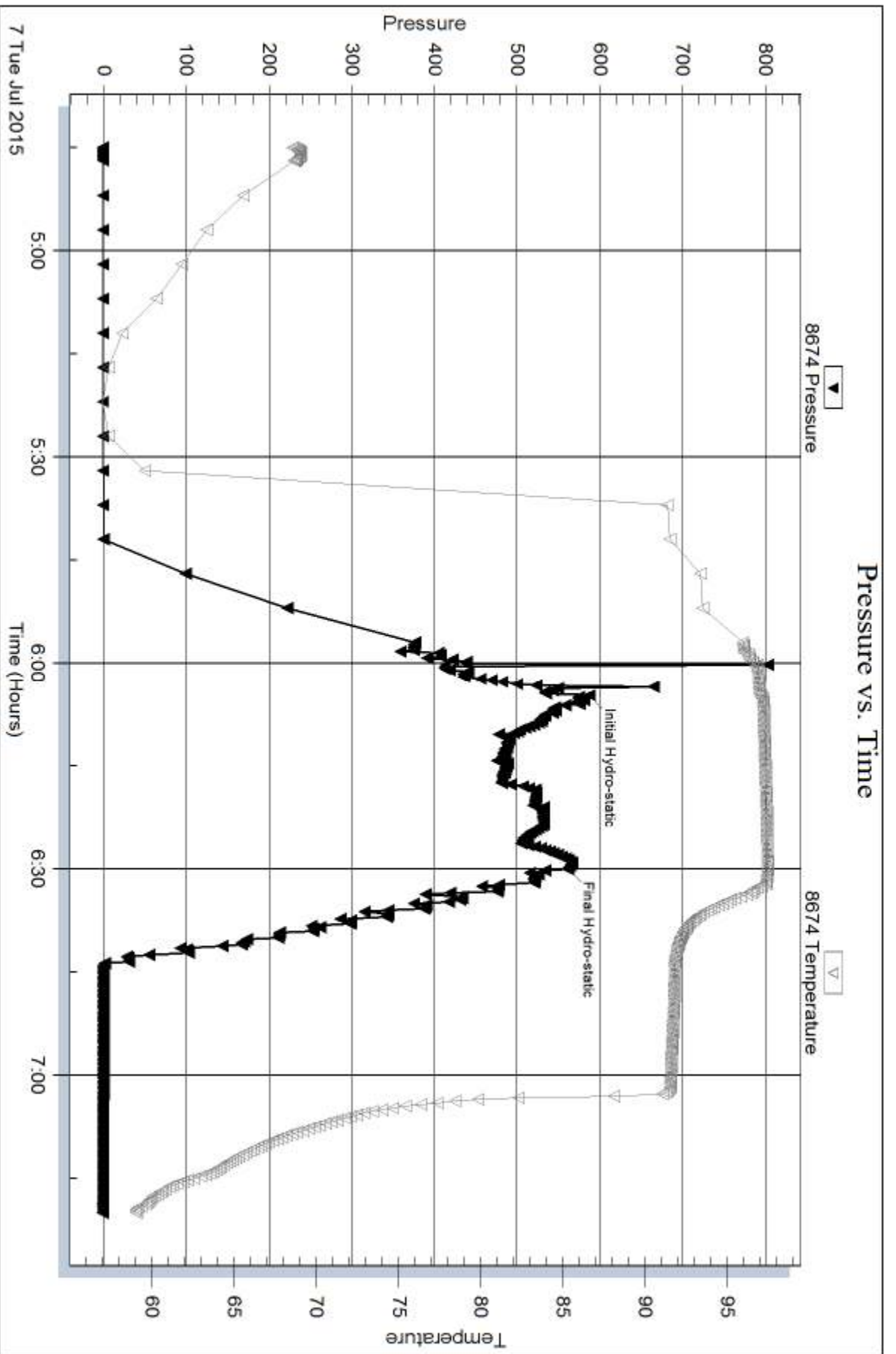
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Mis- Run Lost Circulation Hit a Bridge @ about 1400' Going in hole

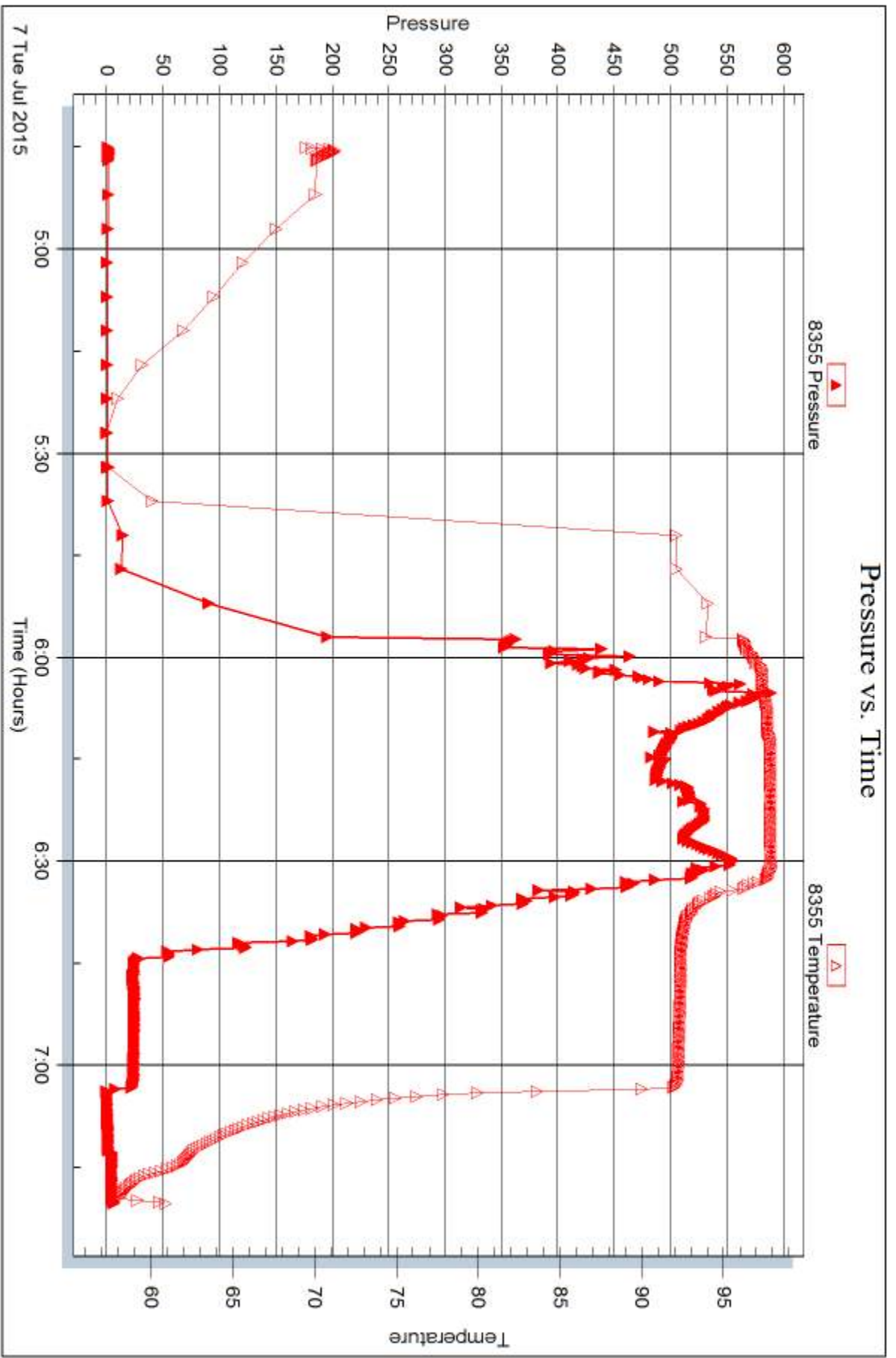


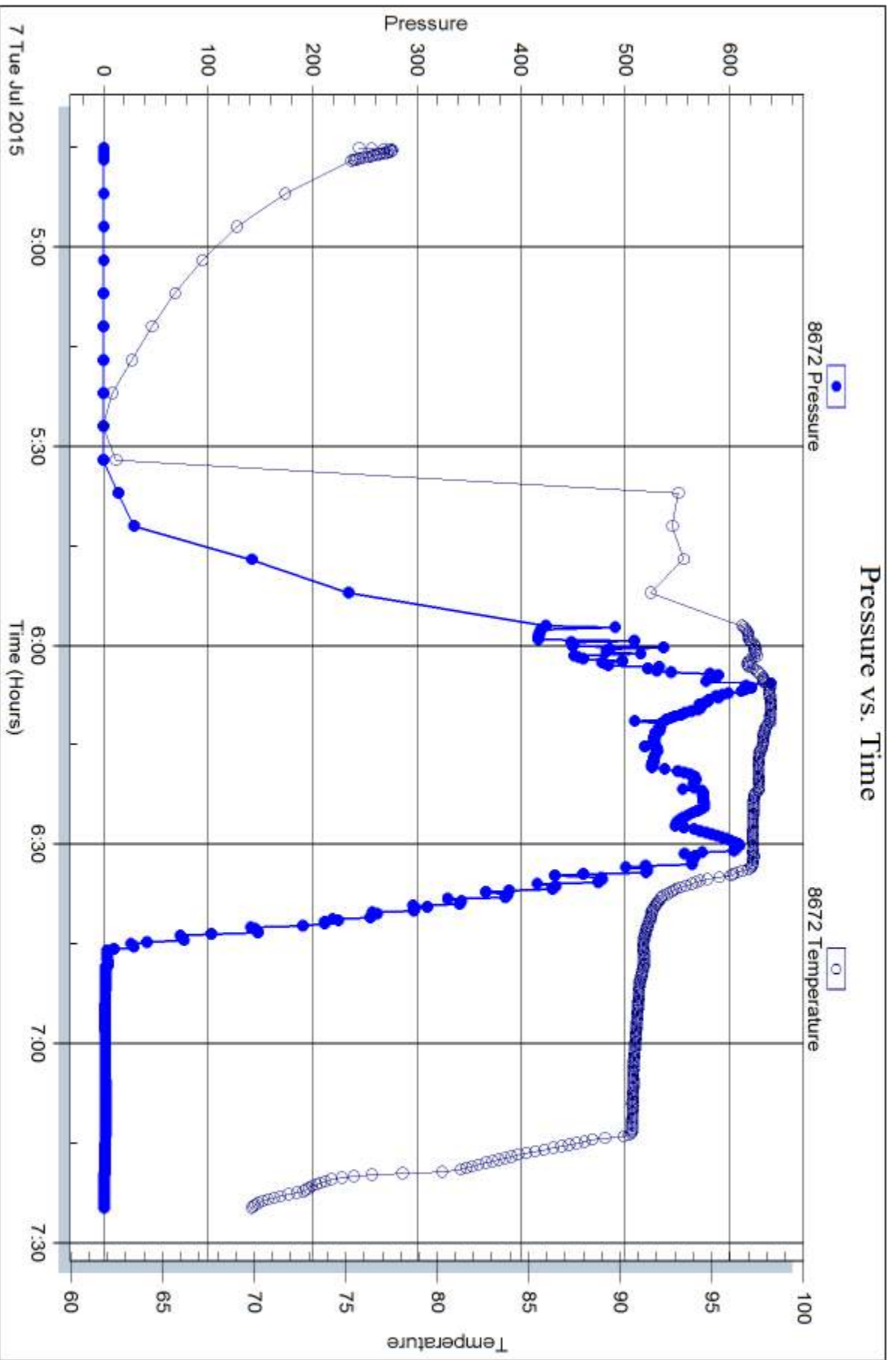
Serial #: 8355

Outside Landmark Resources, Inc.

Decker #3-17

DST Test Number: 1







DRILL STEM TEST REPORT

Prepared For: **Landmark Resources , Inc.**

1616 S Voss Rd Ste 600
Houston TX 77057

ATTN: Wes Hansen

Decker #3-17

17-17s-34w Scott,KS

Start Date: 2015.07.07 @ 12:47:00

End Date: 2015.07.07 @ 20:23:45

Job Ticket #: 58672 DST #: 2

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

Printed: 2015.07.13 @ 10:58:23



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Landmark Resources , Inc.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58672

DST#: 2

ATTN: Wes Hansen

Test Start: 2015.07.07 @ 12:47:00

GENERAL INFORMATION:

Formation: **Lansing H & I**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 14:55:45

Time Test Ended: 20:23:45

Test Type: Conventional Straddle (Reset)

Tester: Justin Harris

Unit No: 71

Interval: 4254.00 ft (KB) To 4330.00 ft (KB) (TVD)

Reference Elevations: 3154.00 ft (KB)

Total Depth: 4350.00 ft (KB) (TVD)

3143.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 11.00 ft

Serial #: 8674 Inside

Press@RunDepth: 146.42 psig @ 4255.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.07

End Date:

2015.07.07

Last Calib.:

2015.07.07

Start Time: 12:47:05

End Time:

20:23:44

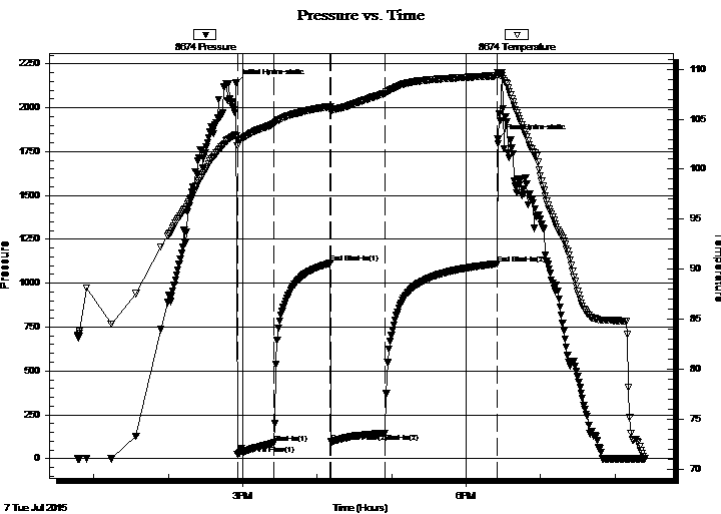
Time On Btm:

2015.07.07 @ 14:54:45

Time Off Btm:

2015.07.07 @ 18:25:30

TEST COMMENT: 30: Weak surface blow build to 4 1/2".
45: No Return.
45: Weak surface blow build to 3 1/2".
90: No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2139.48	103.39	Initial Hydro-static
1	25.32	102.37	Open To Flow (1)
31	89.85	104.55	Shut-In(1)
76	1113.94	106.26	End Shut-In(1)
77	96.05	105.73	Open To Flow (2)
120	146.42	107.59	Shut-In(2)
210	1110.89	109.35	End Shut-In(2)
211	1820.38	109.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
278.00	w mco 10 w 40m 50o	1.37
33.00	Clean oil	0.46

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

17-17s-34w Scott,KS

Decker #3-17

Job Ticket: 58672 **DST#: 2**
Test Start: 2015.07.07 @ 12:47:00

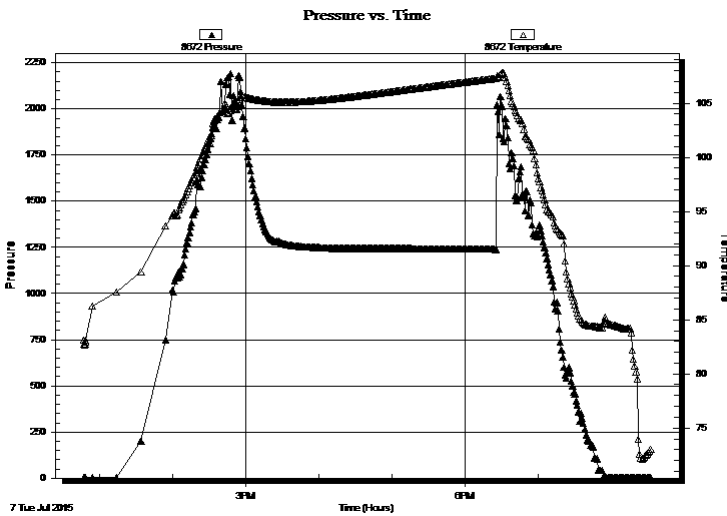
GENERAL INFORMATION:

Formation: **Lansing H & I**
Deviated: No Whipstock: 0.00 ft (KB) Test Type: Conventional Straddle (Reset)
Time Tool Opened: 14:55:45 Tester: Justin Harris
Time Test Ended: 20:23:45 Unit No: 71
Interval: **4254.00 ft (KB) To 4330.00 ft (KB) (TVD)** Reference Elevations: 3154.00 ft (KB)
Total Depth: 4350.00 ft (KB) (TVD) 3143.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 11.00 ft

Serial #: 8672 Below (Straddle)

Press@RunDepth: psig @ 4331.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.07.07 End Date: 2015.07.07 Last Calib.: 2015.07.07
Start Time: 12:47:05 End Time: 20:32:29 Time On Btm:
Time Off Btm:

TEST COMMENT: 30: Weak surface blow build to 4 1/2".
45: No Return.
45: Weak surface blow build to 3 1/2".
90: No Return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
278.00	w mco 10 w 40m 50o	1.37
33.00	Clean oil	0.46

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Landmark Resources, Inc.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58672

DST#: 2

ATTN: Wes Hansen

Test Start: 2015.07.07 @ 12:47:00

GENERAL INFORMATION:

Formation: **Lansing H & I**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 14:55:45

Time Test Ended: 20:23:45

Interval: 4254.00 ft (KB) To 4330.00 ft (KB) (TVD)

Total Depth: 4350.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Test Type: Conventional Straddle (Reset)

Tester: Justin Harris

Unit No: 71

Reference Elevations: 3154.00 ft (KB)

3143.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8355 Outside

Press@RunDepth: psig @ 4255.00 ft (KB)

Start Date: 2015.07.07 End Date: 2015.07.07

Start Time: 12:47:05 End Time: 20:24:59

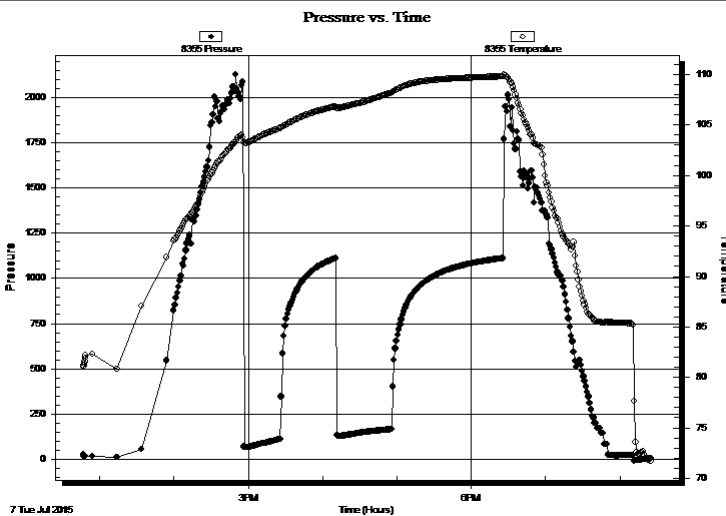
Capacity: 8000.00 psig

Last Calib.: 2015.07.07

Time On Btm:

Time Off Btm:

TEST COMMENT: 30: Weak surface blow build to 4 1/2".
45: No Return.
45: Weak surface blow build to 3 1/2".
90: No Return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
278.00	w mco 10 w 40m 50o	1.37
33.00	Clean oil	0.46

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.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58672

DST#: 2

ATTN: Wes Hansen

Test Start: 2015.07.07 @ 12:47:00

Tool Information

Drill Pipe:	Length: 3955.00 ft	Diameter: 3.80 inches	Volume: 55.48 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 278.00 ft	Diameter: 2.25 inches	Volume: 1.37 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4254.00 ft			Final 79000.00 lb
Depth to Bottom Packer:	4330.00 ft			
Interval between Packers:	76.00 ft			
Tool Length:	124.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

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

Change Over Sub	1.00			4227.00	
Shut In Tool	5.00			4232.00	
Hydraulic tool	5.00			4237.00	
Jars	5.00			4242.00	
Safety Joint	3.00			4245.00	
Packer	5.00			4250.00	28.00 Bottom Of Top Packer
Packer	4.00			4254.00	
Stubb	1.00			4255.00	
Recorder	0.00	8355	Outside	4255.00	
Recorder	0.00	8674	Inside	4255.00	
Perforations	1.00			4256.00	
Change Over Sub	1.00			4257.00	
Drill Pipe	63.00			4320.00	
Change Over Sub	1.00			4321.00	
Perforations	5.00			4326.00	
Blank Off Sub	1.00			4327.00	
Top of S Packer	3.00			4330.00	76.00 Tool Interval
Packer	0.00			4330.00	
Stubb	1.00			4331.00	
Recorder	0.00	8672	Below	4331.00	
Perforations	14.00			4345.00	
Bullnose	5.00			4350.00	20.00 Bottom Packers & Anchor

Total Tool Length: 124.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources , Inc.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58672

DST#: 2

ATTN: Wes Hansen

Test Start: 2015.07.07 @ 12:47:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

24 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.96 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
278.00	w mco 10 w 40m 50o	1.367
33.00	Clean oil	0.463

Total Length: 311.00 ft Total Volume: 1.830 bbl

Num Fluid Samples: 0

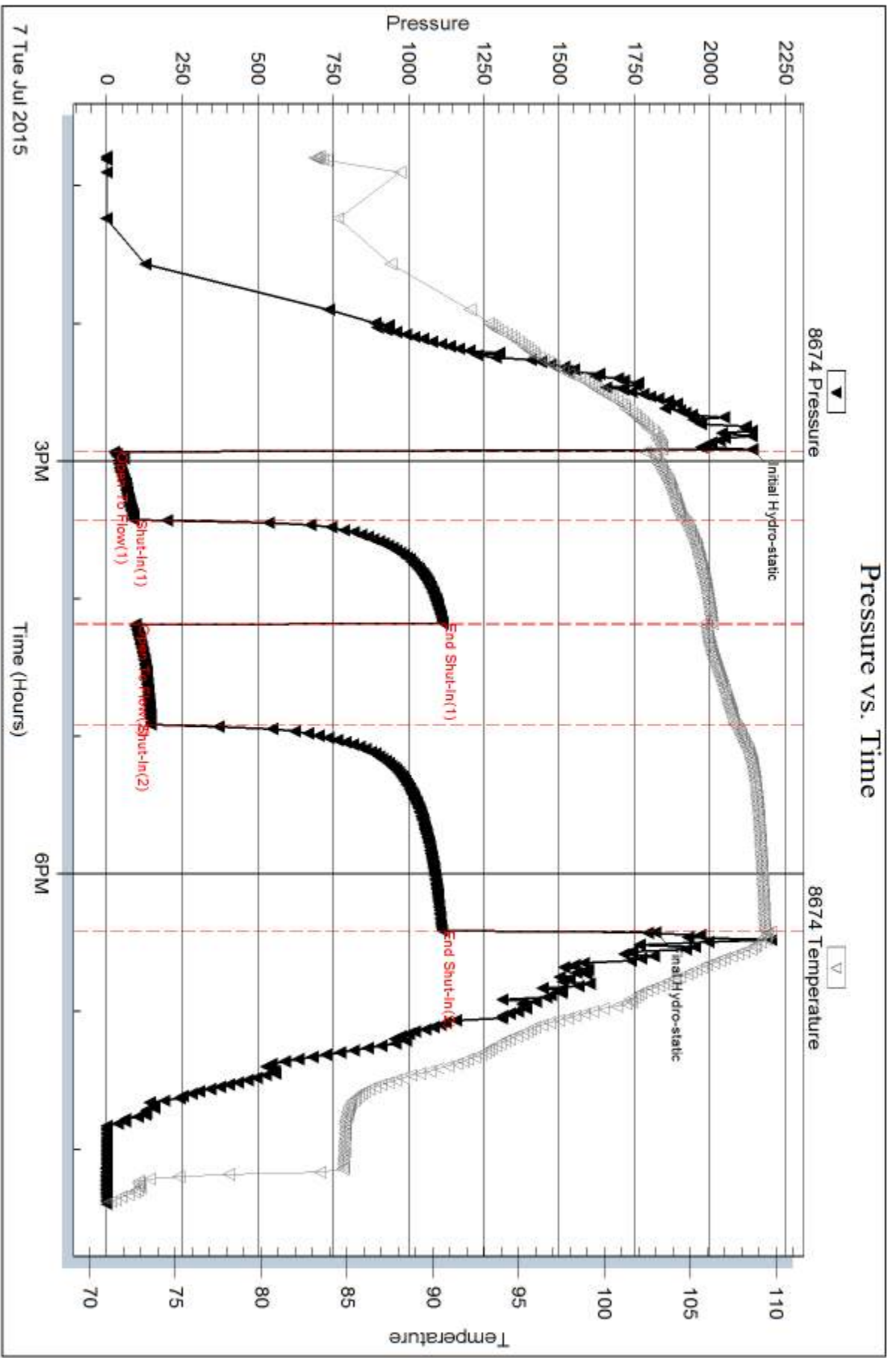
Num Gas Bombs: 0

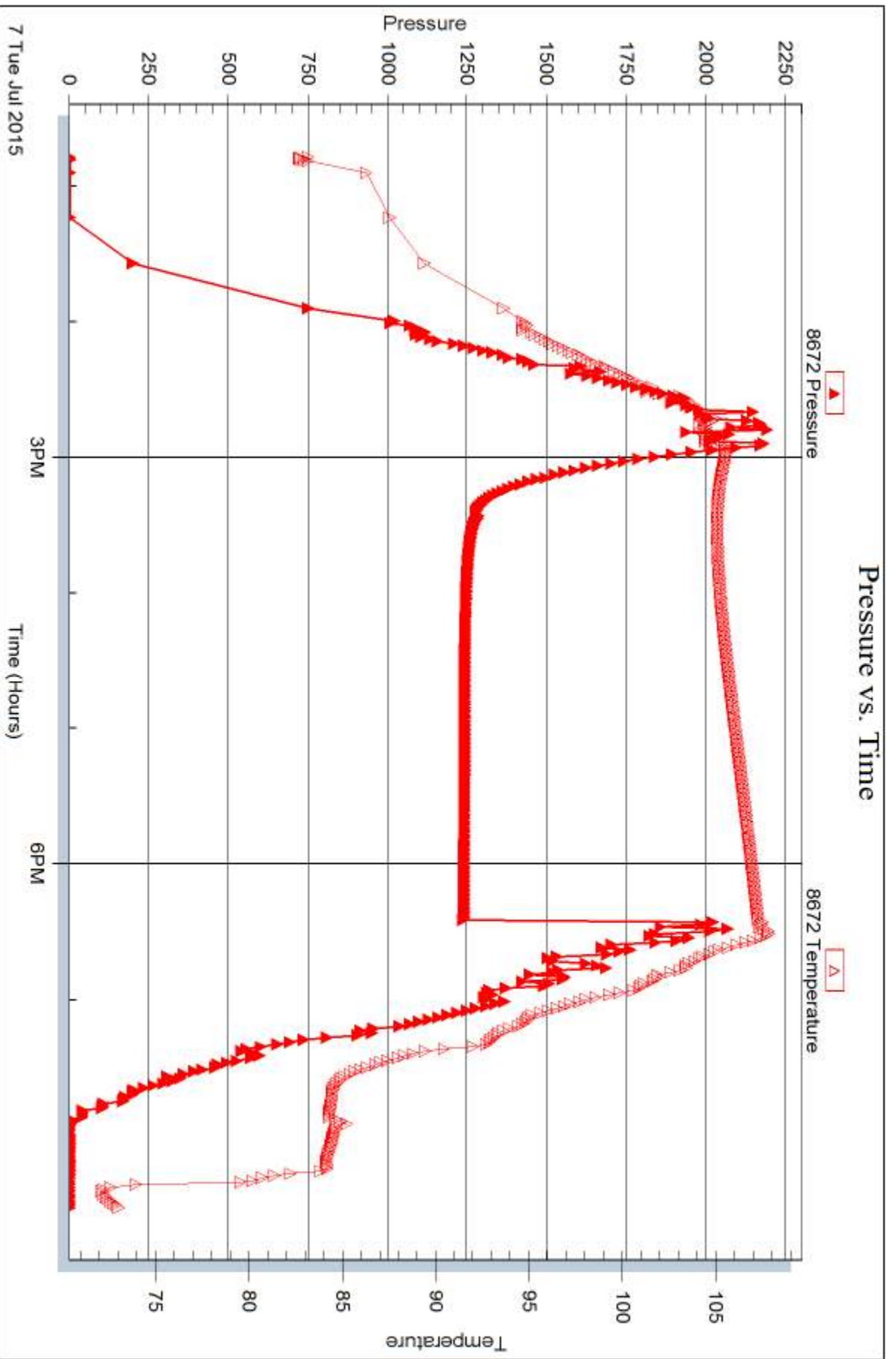
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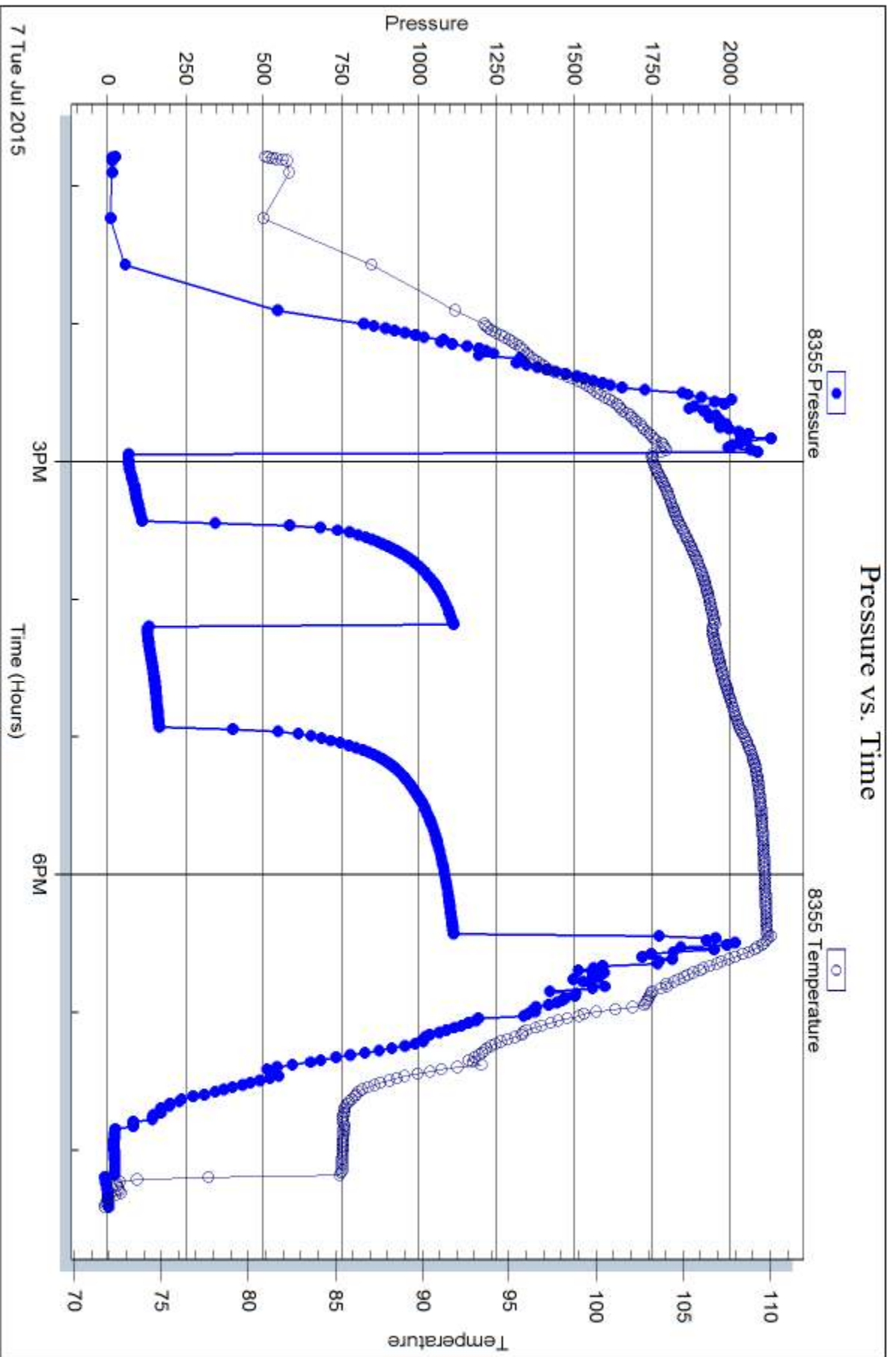
Laboratory Name:

Laboratory Location:

Recovery Comments:









DRILL STEM TEST REPORT

Prepared For: **Landmark Resources , Inc.**

1616 S Voss Rd Ste 600
Houston TX 77057

ATTN: Wes Hansen

Decker #3-17

17-17s-34w Scott,KS

Start Date: 2015.07.08 @ 14:23:00

End Date: 2015.07.08 @ 21:03:15

Job Ticket #: 58673 DST #: 3

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

Printed: 2015.07.13 @ 10:57:12



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Landmark Resources , Inc.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58673

DST#: 3

ATTN: Wes Hansen

Test Start: 2015.07.08 @ 14:23:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 17:10:30

Time Test Ended: 21:03:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Justin Harris

Unit No: 71

Interval: 4482.00 ft (KB) To 4540.00 ft (KB) (TVD)

Reference Elevations: 3154.00 ft (KB)

Total Depth: 4540.00 ft (KB) (TVD)

3143.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8674 Inside

Press@RunDepth: 52.94 psig @ 4535.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.08

End Date:

2015.07.08

Last Calib.:

2015.07.08

Start Time:

14:23:05

End Time:

21:03:14

Time On Btm:

2015.07.08 @ 17:09:45

Time Off Btm:

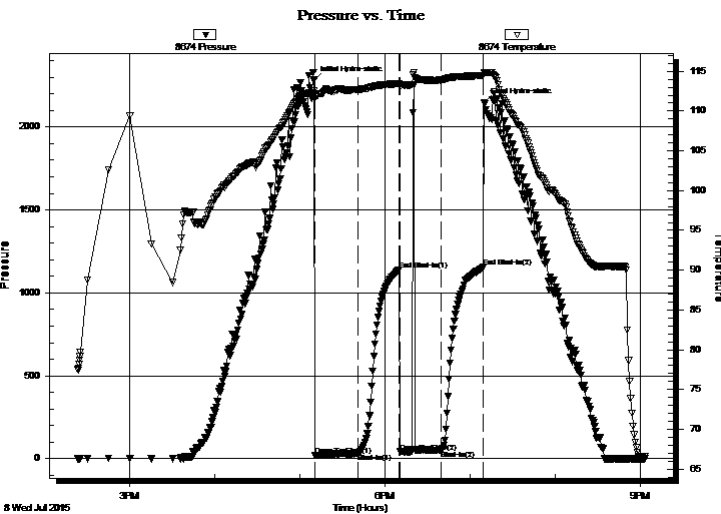
2015.07.08 @ 19:10:00

TEST COMMENT: 30:Weak surface blow died at 3 mins.

30: No Return.

30: No Blow . (Flush tool no blow)

30: No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2281.24	112.52	Initial Hydro-static
1	21.99	111.76	Open To Flow (1)
32	32.23	112.71	Shut-In(1)
61	1139.73	113.46	End Shut-In(1)
61	41.12	113.19	Open To Flow (2)
90	52.94	113.92	Shut-In(2)
120	1155.04	114.47	End Shut-In(2)
121	2145.40	114.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	ocm 30 o 70m	0.05

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Landmark Resources, Inc.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

ATTN: Wes Hansen

Job Ticket: 58673

DST#: 3

Test Start: 2015.07.08 @ 14:23:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 17:10:30

Time Test Ended: 21:03:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Justin Harris

Unit No: 71

Interval: 4482.00 ft (KB) To 4540.00 ft (KB) (TVD)

Reference Elevations: 3154.00 ft (KB)

Total Depth: 4540.00 ft (KB) (TVD)

3143.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8355 Outside

Press@RunDepth: psig @ 4535.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.08

End Date:

2015.07.08

Last Calib.:

2015.07.08

Start Time: 14:23:05

End Time:

21:04:14

Time On Btm:

Time Off Btm:

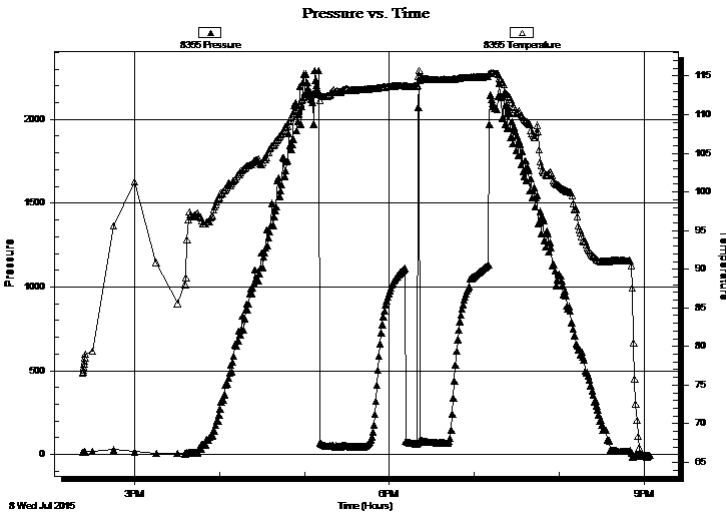
TEST COMMENT: 30: Weak surface blow died at 3 mins.

30: No Return.

30: No Blow . (Flush tool no blow)

30: No Return.

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	ocm 30 o 70m	0.05

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.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58673

DST#: 3

ATTN: Wes Hansen

Test Start: 2015.07.08 @ 14:23:00

Tool Information

Drill Pipe:	Length: 4206.00 ft	Diameter: 3.80 inches	Volume: 59.00 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 278.00 ft	Diameter: 2.25 inches	Volume: 1.37 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 60.37 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 82000.00 lb
Depth to Top Packer:	4482.00 ft			Final 82000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	86.00 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			4455.00	
Shut In Tool	5.00			4460.00	
Hydraulic tool	5.00			4465.00	
Jars	5.00			4470.00	
Safety Joint	3.00			4473.00	
Packer	5.00			4478.00	28.00 Bottom Of Top Packer
Packer	4.00			4482.00	
Stubb	1.00			4483.00	
Perforations	19.00			4502.00	
Change Over Sub	1.00			4503.00	
Drill Pipe	31.00			4534.00	
Change Over Sub	1.00			4535.00	
Recorder	0.00	8355	Outside	4535.00	
Recorder	0.00	8674	Inside	4535.00	
Bullnose	5.00			4540.00	58.00 Bottom Packers & Anchor

Total Tool Length: 86.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources , Inc.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58673

DST#: 3

ATTN: Wes Hansen

Test Start: 2015.07.08 @ 14:23:00

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: 66.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	ocm 30 o 70m	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

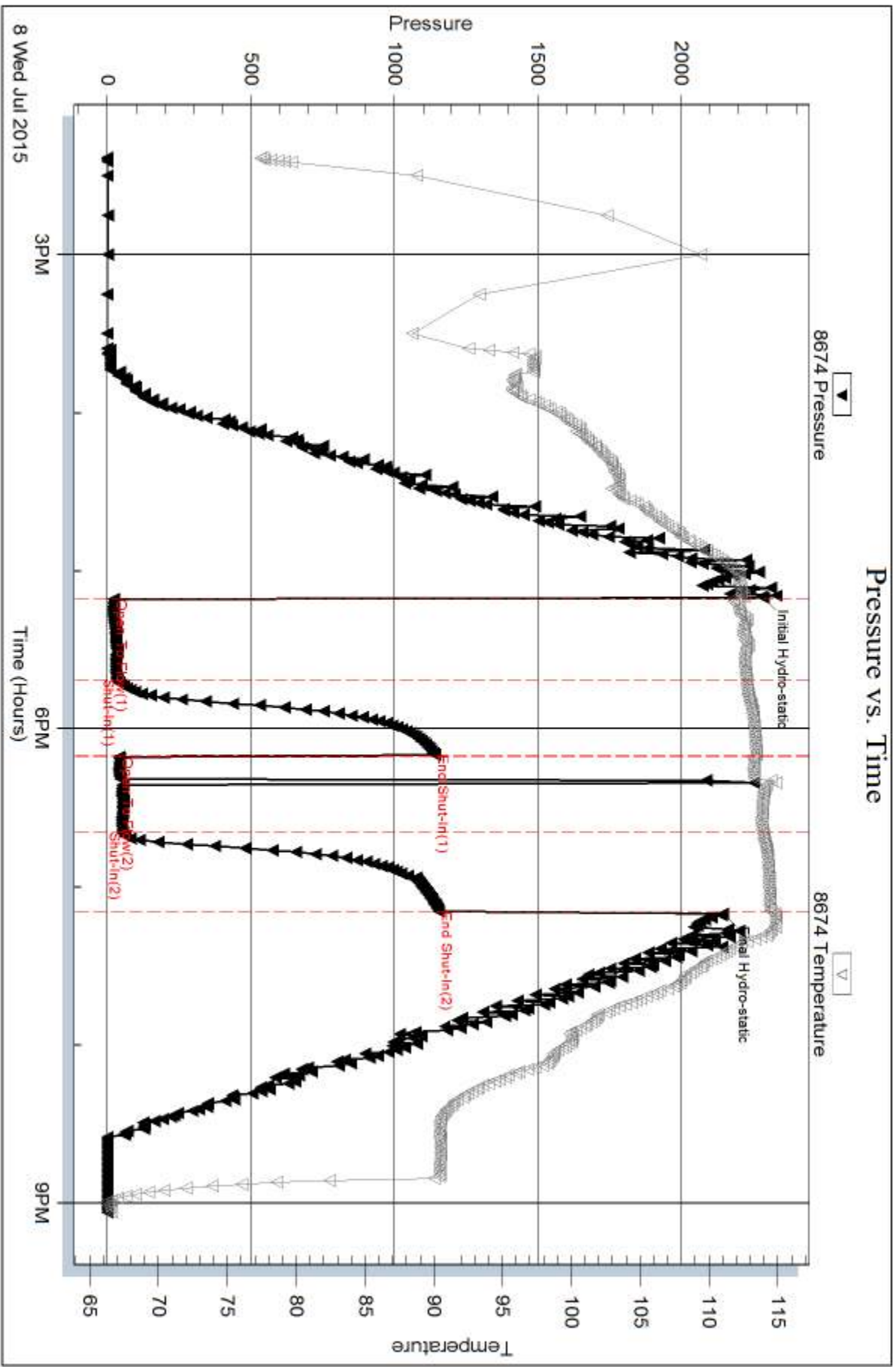
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

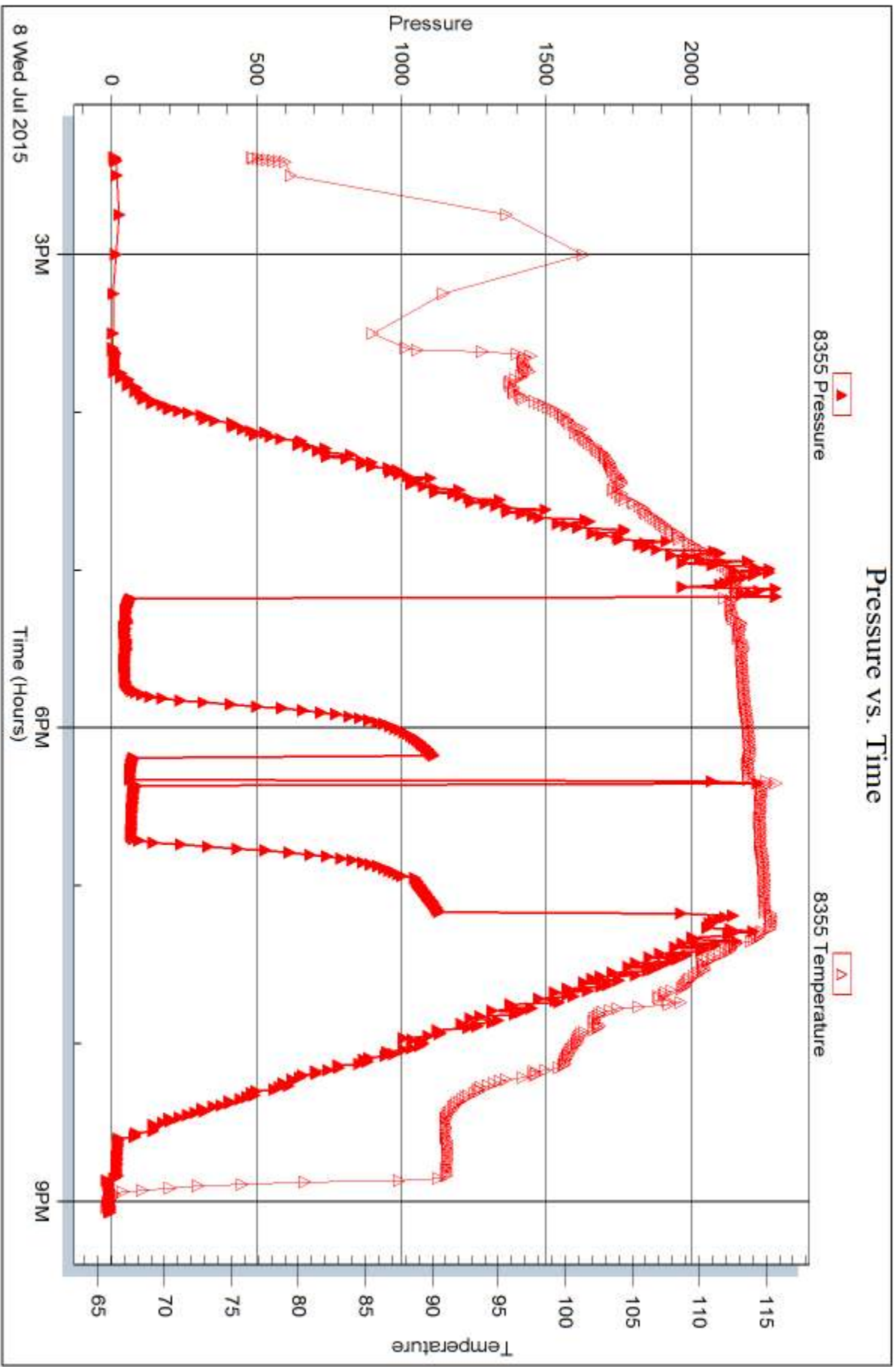


Serial #: 8355

Outside Landmark Resources, Inc.

Decker #3-17

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 59673

Printed: 2015.07.13 @ 10:57:14



DRILL STEM TEST REPORT

Prepared For: **Landmark Resources , Inc.**

1616 S Voss Rd Ste 600
Houston TX 77057

ATTN: Wes Hansen

Decker #3-17

17-17s-34w Scott,KS

Start Date: 2015.07.09 @ 11:15:00

End Date: 2015.07.09 @ 17:36:00

Job Ticket #: 58674 DST #: 4

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

Printed: 2015.07.13 @ 10:56:24



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Landmark Resources , Inc.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58674

DST#: 4

ATTN: Wes Hansen

Test Start: 2015.07.09 @ 11:15:00

GENERAL INFORMATION:

Formation: **Altamont - Fort Scot**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 13:47:15

Time Test Ended: 17:36:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Justin Harris

Unit No: 71

Interval: 4534.00 ft (KB) To 4670.00 ft (KB) (TVD)

Total Depth: 4670.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3154.00 ft (KB)

3143.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8674

Inside

Press@RunDepth: 36.27 psig @ 4535.00 ft (KB)

Start Date: 2015.07.09

Start Time: 11:15:05

End Date:

End Time:

2015.07.09

17:35:59

Capacity: 8000.00 psig

Last Calib.: 2015.07.09

Time On Btm: 2015.07.09 @ 13:46:30

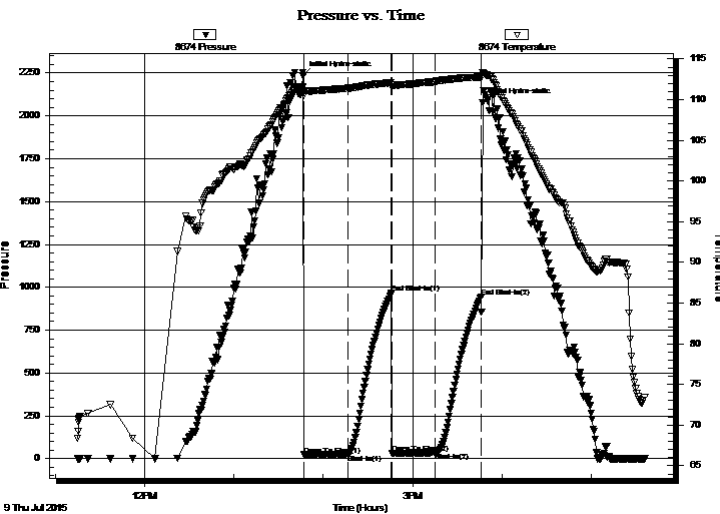
Time Off Btm: 2015.07.09 @ 15:47:00

TEST COMMENT: 30: Weak surface blow died at 12 mins.

30: No Return.

30: No Blow .

30: No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2235.23	111.60	Initial Hydro-static
1	23.16	111.01	Open To Flow (1)
30	27.67	111.39	Shut-In(1)
60	964.82	112.08	End Shut-In(1)
60	31.33	111.52	Open To Flow (2)
89	36.27	112.19	Shut-In(2)
120	944.11	112.81	End Shut-In(2)
121	2078.11	113.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 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.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58674

DST#: 4

ATTN: Wes Hansen

Test Start: 2015.07.09 @ 11:15:00

Tool Information

Drill Pipe:	Length: 4238.00 ft	Diameter: 3.80 inches	Volume: 59.45 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 278.00 ft	Diameter: 2.25 inches	Volume: 1.37 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 84000.00 lb
Depth to Top Packer:	4534.00 ft			Final 84000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	136.00 ft			
Tool Length:	164.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4507.00	
Shut In Tool	5.00			4512.00	
Hydraulic tool	5.00			4517.00	
Jars	5.00			4522.00	
Safety Joint	3.00			4525.00	
Packer	5.00			4530.00	28.00 Bottom Of Top Packer
Packer	4.00			4534.00	
Stubb	1.00			4535.00	
Recorder	0.00	8355	Outside	4535.00	
Recorder	0.00	8674	Inside	4535.00	
Perforations	34.00			4569.00	
Change Over Sub	1.00			4570.00	
Drill Pipe	94.00			4664.00	
Change Over Sub	1.00			4665.00	
Bullnose	5.00			4670.00	136.00 Bottom Packers & Anchor

Total Tool Length: 164.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources , Inc.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58674

DST#: 4

ATTN: Wes Hansen

Test Start: 2015.07.09 @ 11:15:00

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:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud oil spots	0.049

Total Length: 10.00 ft

Total Volume: bbl

Num Fluid Samples: 0

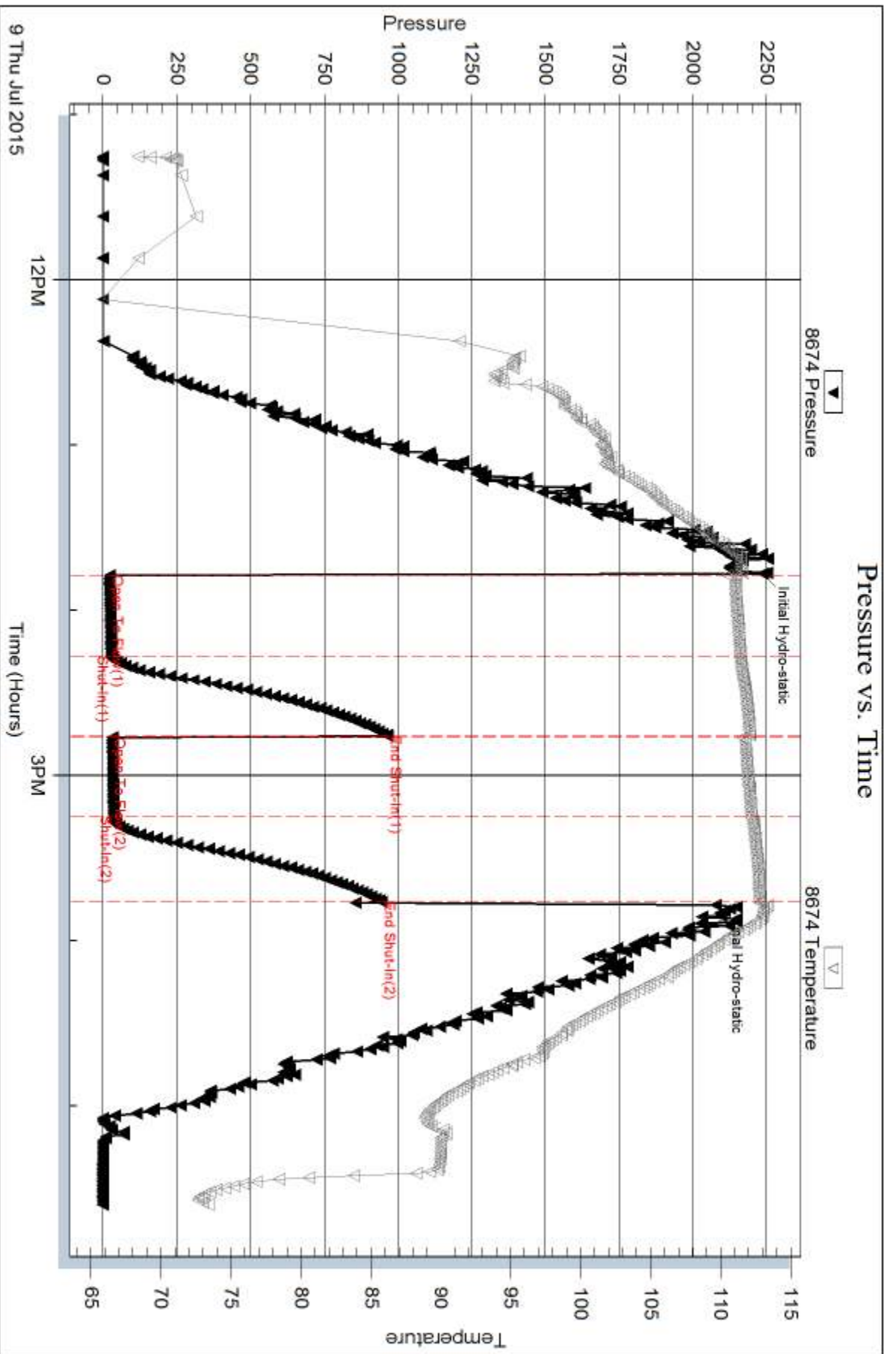
Num Gas Bombs: 0

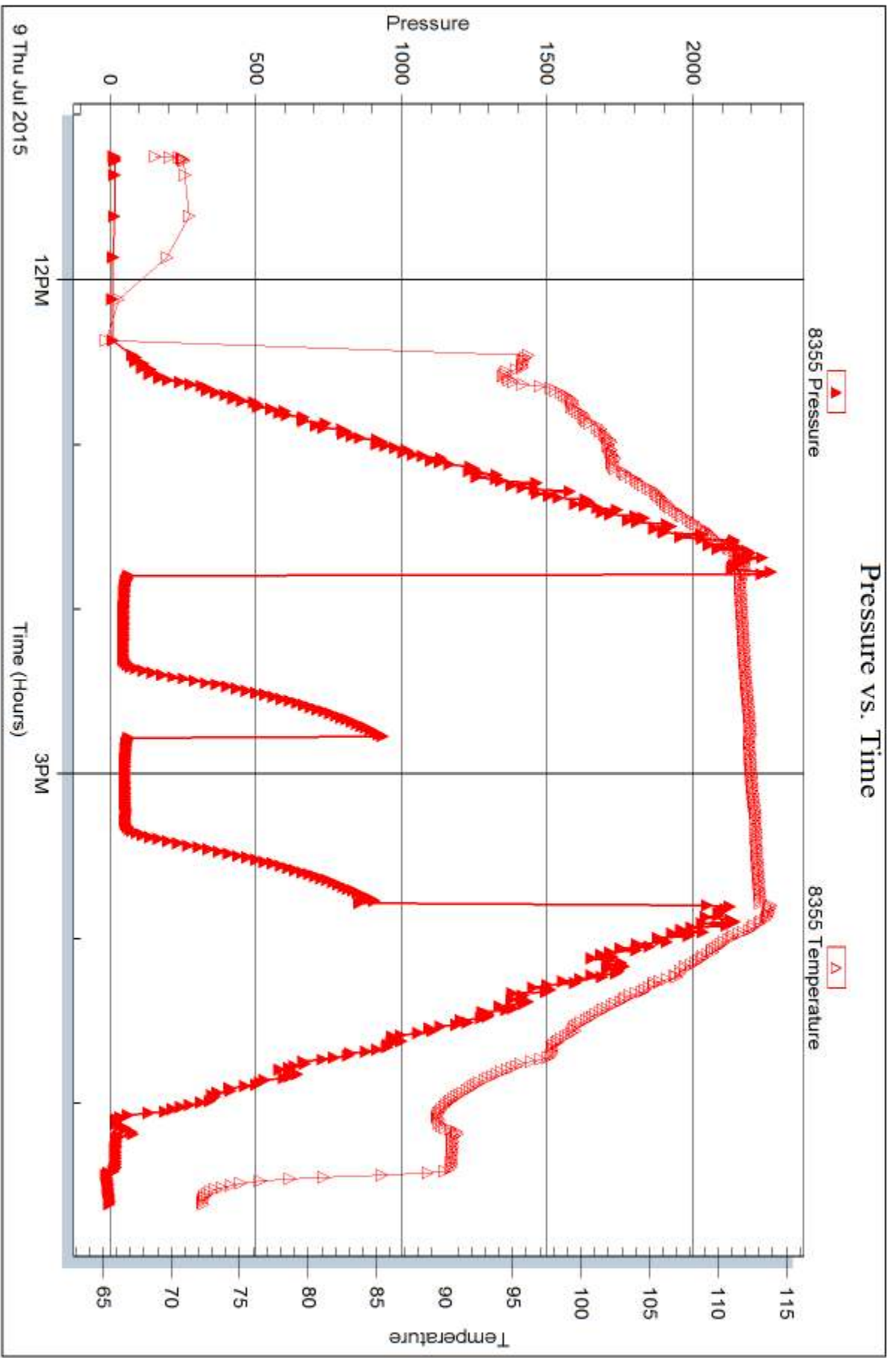
Serial #:

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 Hansen

Decker #3-17

17-17s-34w Scott,KS

Start Date: 2015.07.10 @ 08:30:00

End Date: 2015.07.10 @ 15:31:00

Job Ticket #: 58675 DST #: 5

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

Printed: 2015.07.13 @ 10:55:46



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Landmark Resources , Inc.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58675

DST#: 5

ATTN: Wes Hansen

Test Start: 2015.07.10 @ 08:30:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 10:44:00

Time Test Ended: 15:31:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Justin Harris

Unit No: 71

Interval: 4772.00 ft (KB) To 4810.00 ft (KB) (TVD)

Total Depth: 4810.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3154.00 ft (KB)

3143.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8674 Inside

Press@RunDepth: 29.75 psig @ 4773.00 ft (KB)

Start Date: 2015.07.10

End Date:

2015.07.10

Start Time: 08:30:05

End Time:

15:30:59

Capacity: 8000.00 psig

Last Calib.: 2015.07.10

Time On Btm: 2015.07.10 @ 10:43:30

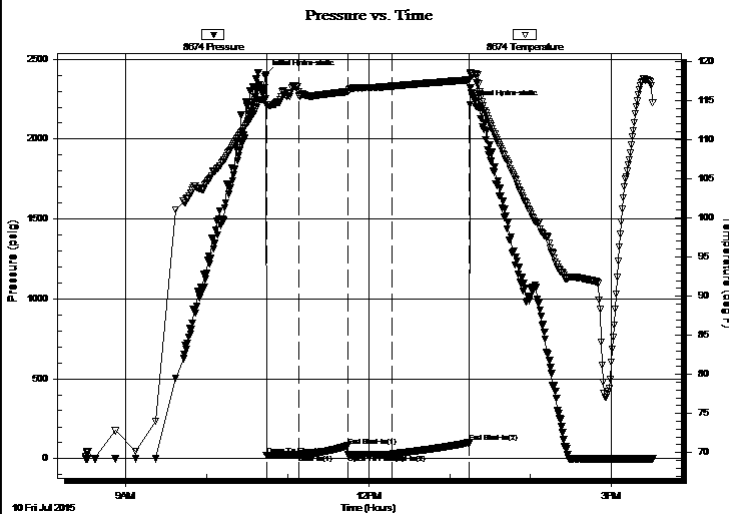
Time Off Btm: 2015.07.10 @ 13:15:15

TEST COMMENT: 30: Weak surface blow died in 15 mins.

30: No Return.

30: No Blow .

60: No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2402.05	115.20	Initial Hydro-static
1	19.98	114.43	Open To Flow (1)
25	26.00	115.64	Shut-In(1)
61	80.67	116.13	End Shut-In(1)
62	27.09	116.11	Open To Flow (2)
94	29.75	116.84	Shut-In(2)
152	100.70	117.64	End Shut-In(2)
152	2217.93	118.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud oil spots	0.05

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Landmark Resources , Inc.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58675

DST#: 5

ATTN: Wes Hansen

Test Start: 2015.07.10 @ 08:30:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 10:44:00

Time Test Ended: 15:31:00

Interval: 4772.00 ft (KB) To 4810.00 ft (KB) (TVD)

Total Depth: 4810.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Justin Harris

Unit No: 71

Reference Elevations: 3154.00 ft (KB)

3143.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8355 Outside

Press@RunDepth: psig @ 4773.00 ft (KB)

Start Date: 2015.07.10

End Date: 2015.07.10

Start Time: 08:30:05

End Time: 15:32:14

Capacity: 8000.00 psig

Last Calib.: 2015.07.10

Time On Btm:

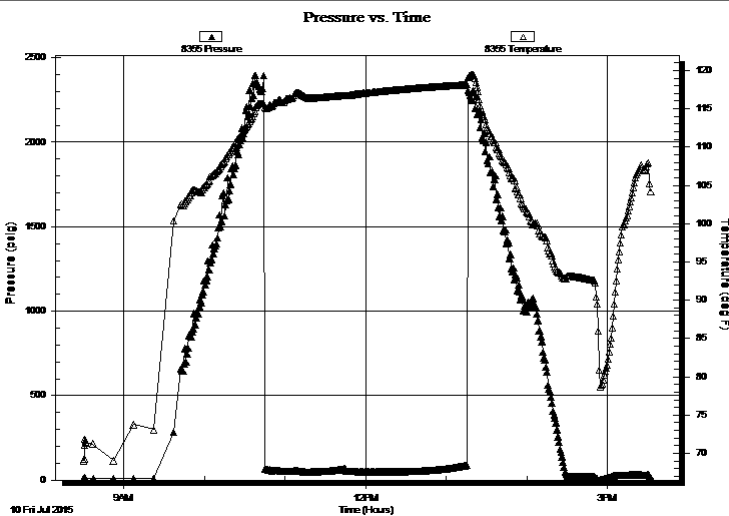
Time Off Btm:

TEST COMMENT: 30: Weak surface blow died in 15 mins.

30: No Return.

30: No Blow .

60: No Return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud oil spots	0.05

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.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58675

DST#: 5

ATTN: Wes Hansen

Test Start: 2015.07.10 @ 08:30:00

Tool Information

Drill Pipe:	Length: 4489.00 ft	Diameter: 3.80 inches	Volume: 62.97 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 278.00 ft	Diameter: 2.25 inches	Volume: 1.37 bbl	Weight to Pull Loose:	90000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
			- bbl	String Weight: Initial	83000.00 lb
Drill Pipe Above KB:	23.00 ft			Final	83000.00 lb
Depth to Top Packer:	4772.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	38.00 ft				
Tool Length:	66.00 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			4745.00	
Shut In Tool	5.00			4750.00	
Hydraulic tool	5.00			4755.00	
Jars	5.00			4760.00	
Safety Joint	3.00			4763.00	
Packer	5.00			4768.00	28.00 Bottom Of Top Packer
Packer	4.00			4772.00	
Stubb	1.00			4773.00	
Recorder	0.00	8355	Outside	4773.00	
Recorder	0.00	8674	Inside	4773.00	
Perforations	32.00			4805.00	
Bullnose	5.00			4810.00	38.00 Bottom Packers & Anchor

Total Tool Length: 66.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources , Inc.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58675

DST#: 5

ATTN: Wes Hansen

Test Start: 2015.07.10 @ 08:30:00

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: 70.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud 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:

Serial #: 8674

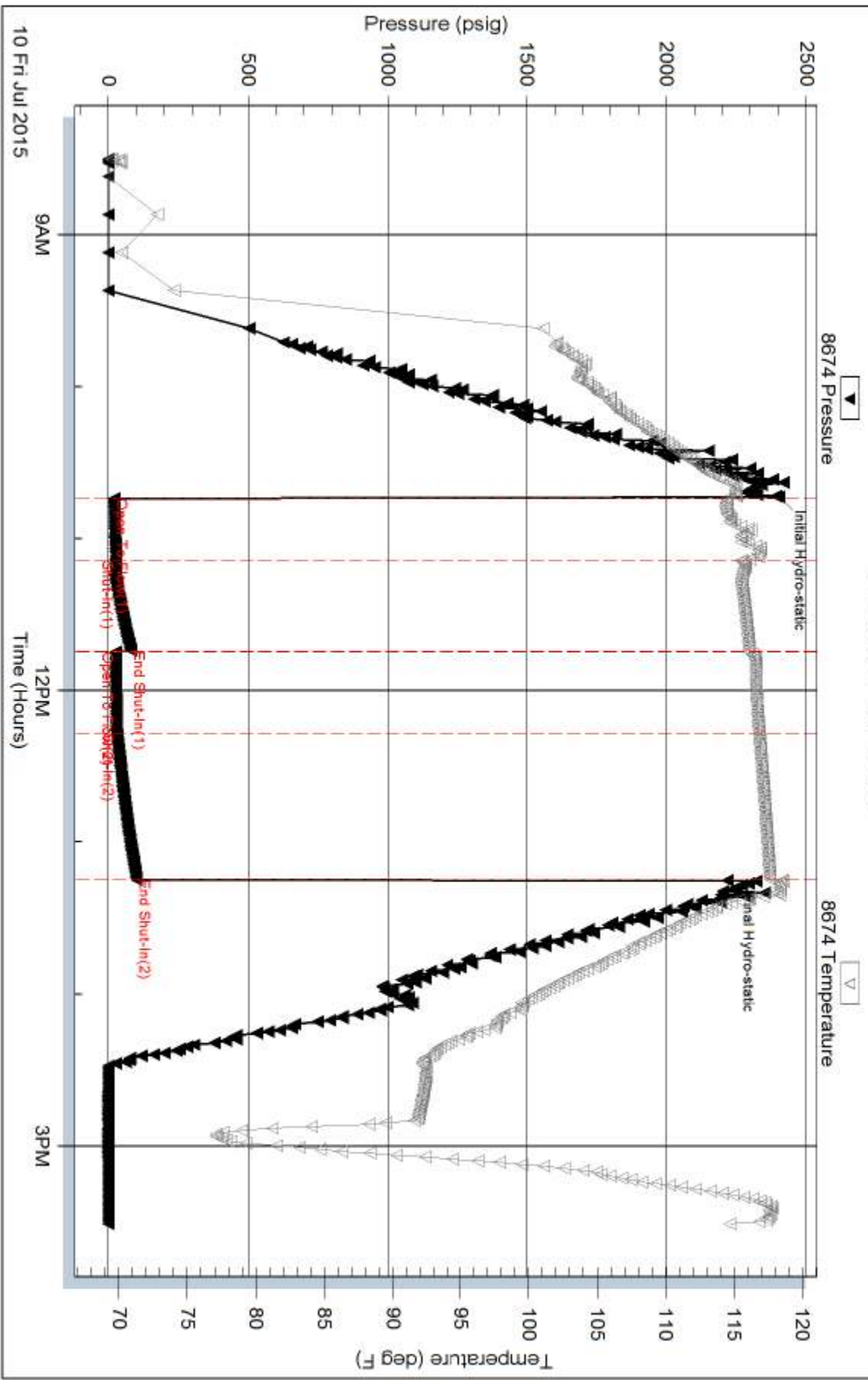
Inside

Landmark Resources, Inc.

Decker #3-17

DST Test Number: 5

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 58675

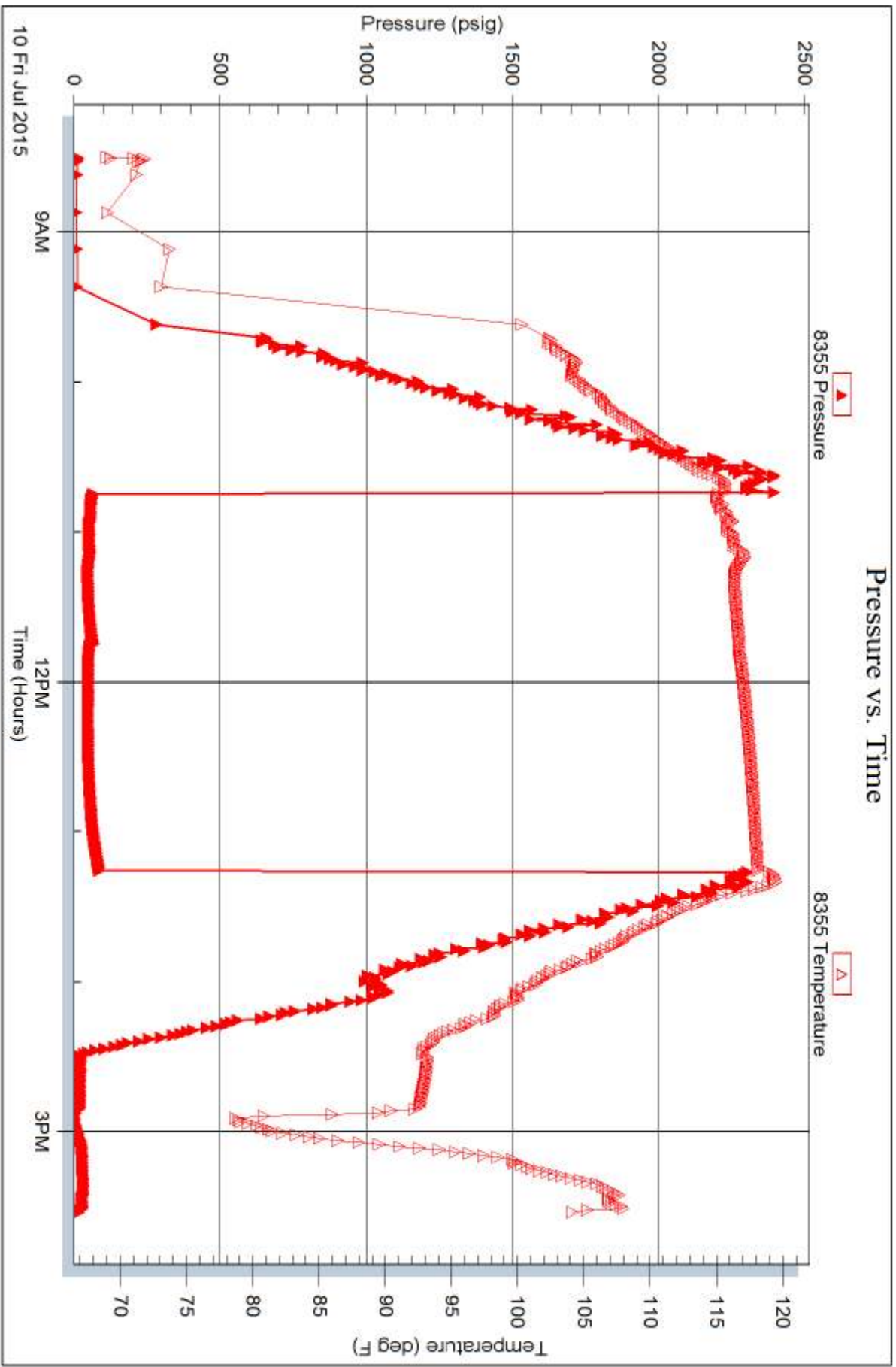
Printed: 2015.07.13 @ 10:55:48

Serial #: 8355

Outside Landmark Resources, Inc.

Decker #3-17

DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 58675

Printed: 2015.07.13 @ 10:55:48



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58671

Well Name & No. Decker # 3-17 Test No. 1 Date 07/07
 Company Landmark Resources, Inc. Elevation 3154 KB 3143 GL
 Address 1414 S VOSS RD STE 600 Houston TX, 77057
 Co. Rep / Geo. Wes Hansen Rig Murfin 21
 Location: Sec. 17 Twp. 17S Rge. 34W Co. Scott State KS

Interval Tested 4254 4330 4330-4350 Zone Tested Lansing "H+I"
 Anchor Length 74' 20' Tail Drill Pipe Run 3955 Mud Wt. 9.4
 Top Packer Depth 4250 Drill Collars Run 275 Vis 55
 Bottom Packer Depth 4254 Wt. Pipe Run Ø WL 8.0
 Total Depth 4350 Chlorides 5200 ppm System LCM 2

Blow Description Mis-Run Lost Circulation
Hit a Bridge @ about 1900' in hole

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	Feet of	%gas	%oil	%water	%mud

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

(A) Initial Hydrostatic 587
 (B) First Initial Flow _____
 (C) First Final Flow _____
 (D) Initial Shut-In NA
 (E) Second Initial Flow _____
 (F) Second Final Flow NA
 (G) Final Shut-In _____
 (H) Final Hydrostatic 561

Test 950
 Jars 250
 Safety Joint 75
 Circ Sub N/E
 Hourly Standby _____
 Mileage 40 BT 40
 Sampler _____
 Straddle 600
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1915

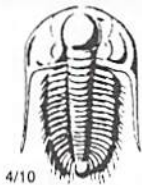
T-On Location 03:30
 T-Started 04:45
 T-Open _____
 T-Pulled 06:30
 T-Out 07:20

Comments _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 1915
 Total _____
 MP/DST Disc't _____

Approved By _____

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. 58672

Well Name & No. Decker #3-17 Test No. 2 Date 07/07
 Company Landmark Resources, Inc. Elevation 3154 KB 3143 GL
 Address 11114 S VOSS RD STE 600 Houston TX, 77057
 Co. Rep / Geo. Wes Hansen Rig Murfin 21
 Location: Sec. 17 Twp. 17S Rge. 34W Co. Scott State Ks

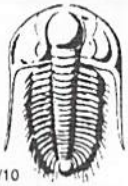
Interval Tested 4254 4330 4330 4350 Zone Tested Lensing # & T
 Anchor Length 76 w/over 20' tail Drill Pipe Run 3955 Mud Wt. 9.4
 Top Packer Depth 4256 Drill Collars Run 278 Vis 55
 Bottom Packer Depth 4254 Wt. Pipe Run 0 WL 8.0
 Total Depth 4350 Chlorides 5200 ppm System LCM 2
 Blow Description 30 weak surface blow build to 4 1/2"
45 No Return
45 weak surface blow build to 3 1/2"
90 No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>33</u>	<u>clean oil</u>				
<u>278</u>	<u>WMOO</u>		<u>50</u>	<u>10</u>	<u>40</u>

Rec Total 311 BHT 109 Gravity 24 API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>2139</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>12:45</u>
(B) First Initial Flow <u>25</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>12:47</u>
(C) First Final Flow <u>90</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>14:52</u>
(D) Initial Shut-In <u>1114</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>18:22</u>
(E) Second Initial Flow <u>94</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>20:23</u>
(F) Second Final Flow <u>144</u>	<input checked="" type="checkbox"/> Mileage <u>40 RT</u> 40	Comments
(G) Final Shut-In <u>1111</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1920</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<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>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>45</u>	<input type="checkbox"/> Day Standby	Total <u>2115</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>2115</u>	

Approved By _____ Our Representative [Signature]
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58673

4/10

Well Name & No. Decker # 3-17 Test No. 3 Date 07/08
 Company Landmark Resources, Inc. Elevation 3164 KB 3143 GL
 Address 1416 S VOSS RD STE 600 Houston TX 77057
 Co. Rep / Geo. WES Hansen Rig Murfin 21
 Location: Sec. 17 Twp. 17S Rge. 34W Co. Scott State KS

Interval Tested 4482 4540 Zone Tested Marmaton
 Anchor Length 58 Drill Pipe Run 4204 Mud Wt. 9.2
 Top Packer Depth 4478 Drill Collars Run 278 Vis 6.6
 Bottom Packer Depth 4482 Wt. Pipe Run 0 WL 8.0
 Total Depth 4540 Chlorides 4400 ppm System LCM 6

Blow Description 30 weak surface blow Died in 3 mins
30 No Return
30 No Blow (Flush tool) No Blow
30 No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>68</u>	<u>06m</u>		<u>30%</u>		<u>70%</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 68 BHT 114 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 2281
 (B) First Initial Flow 22
 (C) First Final Flow 32
 (D) Initial Shut-In 1140
 (E) Second Initial Flow 41
 (F) Second Final Flow 53
 (G) Final Shut-In 1155
 (H) Final Hydrostatic 2145

Test 1150
 Jars 250
 Safety Joint 75
 Circ Sub N/C
 Hourly Standby
 Mileage 40 RT 40
 Sampler
 Straddle
 Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility
 Sub Total 1515

T-On Location 14:20
 T-Started 14:23
 T-Open 17:11
 T-Pulled 19:11
 T-Out 2103

Comments _____
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1515
 MP/DST Disc't _____

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

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58674

Well Name & No. Decker # 3-17 Test No. 4 Date 07/09
 Company Landmark Resources, Inc. Elevation 3154 KB 3143 GL
 Address 1416 S VOSS RD STE 600 Houston TX, 77057
 Co. Rep / Geo. Wes Hansen Rig Murfin 21
 Location: Sec. 17 Twp. 17S Rge. 34W Co. Scott State KS

Interval Tested 4534 4670 Zone Tested Altamont - Harv - Fort Scott
 Anchor Length 136 Drill Pipe Run 4238 Mud Wt. 9.2
 Top Packer Depth 4530 Drill Collars Run 278 Vis 70
 Bottom Packer Depth 4534 Wt. Pipe Run Ø WL 8.8
 Total Depth 4670 Chlorides 5400 ppm System LCM 5

Blow Description 30 Weak surface blow Died in 12 mins
30 No Return.
30 No Blow
30 No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>mud oil spots</u>	<u>1</u>		<u>99</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 113 Gravity - API RW - @ - °F Chlorides - ppm

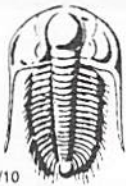
(A) Initial Hydrostatic <u>2235</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>11:05</u>
(B) First Initial Flow <u>23</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>11:15</u>
(C) First Final Flow <u>28</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>13:45</u>
(D) Initial Shut-In <u>965</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>16:45</u>
(E) Second Initial Flow <u>31</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>17:30</u>
(F) Second Final Flow <u>34</u>	<input checked="" type="checkbox"/> Mileage <u>40 RT</u> 40	Comments
(G) Final Shut-In <u>944</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2078</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

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

Sub Total 1515
 Total 1515
 MP/DST Disc't

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **58675**

4/10

Well Name & No. Decker # 3-17 Test No. 5 Date 07/10
 Company Lendmark Resources, Inc. Elevation 3154 KB 3143 GL
 Address 1616 S VOSS RD STE 600 Houston TX 77057
 Co. Rep / Geo. Wes Hansen Rig Murfin 21
 Location: Sec. 17 Twp. 17S Rge. 34W Co. Scott State KS

Interval Tested 4772 4810 Zone Tested Johnson Zone
 Anchor Length 38 Drill Pipe Run 4489 Mud Wt. 9.2
 Top Packer Depth 4768 Drill Collars Run 278 Vis 70
 Bottom Packer Depth 4772 Wt. Pipe Run Ø WL 8.8
 Total Depth 4810 Chlorides 5400 ppm System LCM 5
 Blow Description 30 weak surface blow died 15 mins
30 No Return
30 No Blow
60 No Return

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

Rec Total 10 BHT 118 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2402</u>	<input checked="" type="checkbox"/> Test <u>1515</u>	T-On Location <u>8:25</u>
(B) First Initial Flow <u>20</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>8:30</u>
(C) First Final Flow <u>26</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>10:45</u>
(D) Initial Shut-In <u>81</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>13:15</u>
(E) Second Initial Flow <u>27</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>15:31</u>
(F) Second Final Flow <u>30</u>	<input checked="" type="checkbox"/> Mileage <u>40 BT 40</u>	Comments
(G) Final Shut-In <u>101</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2218</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>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1515</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1515</u>	

Approved By _____ Our Representative [Signature]

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INVOICE

P.O. Box 205803
Dallas, TX 75320-5803

PAID AUG 01 2015
CHK# 48682
\$ 13,006.41

Invoice Number: 150205

Invoice Date: Jul 11, 2015

Page: 1

Voice: (832) 482-3742
Fax: (832) 482-3738

Federal Tax I.D.#: 20-8651475

RECEIVED

JUL 28 ENT'D

Handwritten: 7/23/15, 7/18/15

Bill To:
Landmark Resources, Inc.
1616 S. Voss
Suite 600
Houston, TX 77057-1264

Customer ID	Field Ticket #	Payment Terms	
Land	67773	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Jul 11, 2015	8/10/15

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Decker #3-17		
290.00	CEMENT MATERIALS	60/40/4% Gel Blend	18.92	5,486.80
73.00	CEMENT MATERIALS	Flo Seal	2.97	216.81
311.50	CEMENT SERVICE	Cubic Feet Charge	2.48	772.52
585.27	CEMENT SERVICE	Ton Mileage Charge	2.75	1,609.49
1.00	CEMENT SERVICE	Plug to Abandon	2,483.59	2,483.59
45.00	CEMENT SERVICE	Pump Truck Mileage	7.70	346.50
45.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	198.00
1.00	CEMENT SUPERVISOR	Alan Ryan		
1.00	EQUIPMENT OPERATOR	Kevin Ryan		
1.00	EQUIPMENT OPERATOR	Darren Racette		

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ 4,223.21

ONLY IF PAID ON OR BEFORE

Aug 10, 2015

Subtotal	12,058.38	11,113.71
Sales Tax	4,223.21	944.67
Total Invoice Amount	000	12,058.38
Payment/Credit Applied	7,835.17	
TOTAL		12,058.38

ALLIED OIL & GAS SERVICES, LLC

Federal Tax I.D. #20-5975804

18940
992

4.87 067773

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:

Oakley

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
7/11/15	17	17	34			8:00A	2:00P
LEASE	DEALER	WELL #	LOCATION	COUNTY	STATE		
Decker		3-17	Peace 512.5 W 14W 14N 30E	Scott	KS		

CONTRACTOR *Miguel 21*
 TYPE OF JOB *PTA*
 HOLE SIZE *7 7/8* T.D. _____
 CASING SIZE *8 5/8* DEPTH *265'*
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT _____

OWNER *Same*
 CEMENT AMOUNT ORDERED *290 60/40 470 gal*
14 PLO

EQUIPMENT
 PUMP TRUCK CEMENTER *1 Plan Ryan*
 # *818* HELPER *2 Flavio Ryan*
 BULK TRUCK
 # *873* DRIVER *2 Darren Racette*
 BULK TRUCK
 # _____ DRIVER _____

COMMON *PLW 60/40 470 gal @*
 POZMIX *290 gal @ 18.72 5426.80*
 GEL @ _____
 CHLORIDE @ _____
 ASC @ _____
PLO seal 23.16 @ 2.22 216.81
 @ _____
 @ _____
 @ _____
 @ _____
 @ _____

REMARKS:
MAX 505L @ 2.40
205L @ 1.45
505L @ 2.00
405L @ 3.00
205L @ 60'
305L - RH
205L - MH

585.26
 SERVICE
 HANDLING *311.50 CR @ 2.48 772.52*
 MILEAGE *25 mi/mile 13.0067 @ 16.09 49*
 DEPTH OF JOB _____
 PUMP TRUCK CHARGE *2485.50*
 EXTRA FOOTAGE @ _____
 HV MILEAGE *45 @ 7.70 346.50*
 LV MILEAGE *45 @ 4.20 189.00*
 @ _____
 @ _____

CHARGE TO: *Landmark Resources*
 STREET _____
 CITY _____ STATE _____ ZIP _____

TOTAL *5703.61*
 DISCOUNT *38% 2167.37*
 TOTAL *3540.11*
 DISCOUNT *38% 2055.84*

PLUG & FLOAT EQUIPMENT

@ _____
 @ _____
 @ _____
 @ _____
 @ _____
 TOTAL _____

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

DISCOUNT _____ %
 SALES TAX (if Any) *944.66*
 TOTAL CHARGES *11,113.78*
 DISCOUNT *4,023.20 (38%)* IF PAID IN 30 DAYS
 NET TOTAL *6,890.50* IF PAID IN 30 DAYS

PRINTED NAME *Juan Tinoco*
 SIGNATURE *Juan Tinoco*



INVOICE

P.O. Box 205803
Dallas, TX 75320-5803

PAID AUG 01 2015
CK# 48682
\$ 13,006.41

Invoice Number: 150108

Invoice Date: Jul 3, 2015

Page: 1

Voice: (832) 482-3742
Fax: (832) 482-3738

Federal Tax I.D.#: 20-8651475

Bill To:

Landmark Resources, Inc.
1616 S. Voss
Suite 600
Houston, TX 77057-1264

71730

Customer ID	Field Ticket #	Payment Terms	
Land	67813	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Jul 3, 2015	8/2/15

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Decker #3-17		
185.00	CEMENT MATERIALS	Class A Common	17.90	3,311.50
522.00	CEMENT MATERIALS	Chloride	1.10	574.20
194.25	CEMENT SERVICE	Cubic Feet Charge	2.48	481.74
403.20	CEMENT SERVICE	Ton Mileage Charge	2.75	1,108.80
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
45.00	CEMENT SERVICE	Pump Truck Mileage	7.70	346.50
45.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	198.00
1.00	CEMENT SERVICE	Swedge Manifold Rental	275.00	275.00
1.00	CEMENT SUPERVISOR	Paul Beaver		
1.00	EQUIPMENT OPERATOR	Brandon Wilkinson		
1.00	EQUIPMENT OPERATOR	Kevin Ryan		

RECEIVED

JUL 28 ENT'D

0.*

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ 2,967.03

ONLY IF PAID ON OR BEFORE

Aug 2, 2015

Subtotal	7,807.99
Sales Tax	330.28
Total Invoice Am	8,138.27
Payment/Credit A	
TOTAL	8,138.27

8,138.27+
2,967.03-
5,171.24*

