



Confidentiality Requested:

Yes  No

**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: \_\_\_\_\_

1225875

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
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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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Janzen 1-7
Doc ID	1225875

All Electric Logs Run

Microresistivity Log
Dual Compensated Porosity Log
Dual Induction Log
Borehole Compensated Sonic Log

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Janzen 1-7
Doc ID	1225875

Tops

Name	Top	Datum
Anhydrite	2414	684
B/Anhydrite	2433	665
Topeka	3738	-640
Heebner	3978	-880
Toronto	3997	-899
Lansing	4021	-923
C	4058	-960
D	4070	-972
E	4112	-1014
F	4122	-1024
Muncie Creek	4202	-1104
H	4212	-1114
I	4250	-1152
J	4279	-1181
Stark Shale	4302	-1204
K	4313	-1215
L	4350	-1252
BKC	4383	-1285
Marmaton	4436	-1338
Altamont	4466	-1368
Pawnee	4518	-1420
Myrick Station	4556	-1458
Fort Scott	4570	-1472
Cherokee	4597	-1499

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Janzen 1-7
Doc ID	1225875

Tops

Name	Top	Datum
Johnson	4641	-1543
Up Morrow Sd	4752	-1654
Missippian	4762	-1664



## Summary of Changes

Lease Name and Number: Janzen 1-7

API/Permit #: 15-171-21058-00-00

Doc ID: 1225875

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	08/26/2014	10/03/2014
Date of First or Resumed Production or SWD or Enhr		09/17/2014
Perf_Depth_1		4467-69'
Perf_Depth_2		4488-92'
Perf_Depth_3		4556-60'
Perf_Depth_4		4572-85'
Perf_Depth_5		4680-95'
Perf_Material_1		250 gal. 15% MCA w/ FE; 1500 gal 20% SGA
Perf_Material_2		500 gal 15% MCA w/ FE; 3000 gal 20% SGA
Perf_Material_3		500 gal 15% MCA w/ FE; 3000 gal 20% SGA gelled acid

Summary of changes for correction 1 continued

Field Name	Previous Value	New Value
Perf_Material_4		1000 gal 15% MCA w/FE & 9 balls; 4500 gal 20% SGA & 9 balls
Perf_Material_5		1000 gal 15% MCA w/FE & 8 balls; 3750 gal 20% SGA & 8 balls
Perf_Record_1		4467-69'
Perf_Record_2		4488-92'
Perf_Record_3		4556-60'
Perf_Record_4		4572-74' & 4581-85'
Perf_Record_5		4680-82' & 4692-95'
Perf_Shots_1		2
Perf_Shots_2		2
Perf_Shots_3		2
Perf_Shots_4		2
Perf_Shots_5		2
Producing Method Pumping	No	Yes



Summary of changes for correction 1 continued

Field Name	Previous Value	New Value
Production - Barrels Oil		148
Production - Barrels of Water		14
Production - MCF Gas		0
Production - Oil Gravity		31
Save Link	../../../../kcc/detail/operatorEditDetail.cfm?docID=1218934	../../../../kcc/detail/operatorEditDetail.cfm?docID=1225875
Tubing Packer At		n/a
Tubing Record - Set At		4809
Tubing Size		2.875



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1218934  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
August 2013

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

**CONFIDENTIAL** 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: \_\_\_\_\_

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](mailto: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 Geologist Report / Mud Logs <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
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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				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	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> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Janzen 1-7
Doc ID	1218934

All Electric Logs Run

Microresistivity Log
Dual Compensated Porosity Log
Dual Induction Log
Borehole Compensated Sonic Log

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Janzen 1-7
Doc ID	1218934

Tops

Name	Top	Datum
Anhydrite	2414	684
B/Anhydrite	2433	665
Topeka	3738	-640
Heebner	3978	-880
Toronto	3997	-899
Lansing	4021	-923
C	4058	-960
D	4070	-972
E	4112	-1014
F	4122	-1024
Muncie Creek	4202	-1104
H	4212	-1114
I	4250	-1152
J	4279	-1181
Stark Shale	4302	-1204
K	4313	-1215
L	4350	-1252
BKC	4383	-1285
Marmaton	4436	-1338
Altamont	4466	-1368
Pawnee	4518	-1420
Myrick Station	4556	-1458
Fort Scott	4570	-1472
Cherokee	4597	-1499

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Janzen 1-7
Doc ID	1218934

Tops

Name	Top	Datum
Johnson	4641	-1543
Up Morrow Sd	4752	-1654
Missippian	4762	-1664





# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 142911  
Invoice Date: Apr 29, 2014  
Page: 1

Voice: (817) 546-7282  
Fax: (817) 246-3361

*21730*

APPROVED MAY 14 2014

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

Customer ID	Field Ticket #	Payment Terms	
Land	62097	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Apr 29, 2014	5/29/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Janzen #1-7		
210.00	CEMENT MATERIALS	Class A Common	17.90	3,759.00
4.00	CEMENT MATERIALS	Gel	23.40	93.60
7.00	CEMENT MATERIALS	Chloride	64.00	448.00
227.08	CEMENT SERVICE	Cubic Feet Charge	2.48	563.16
435.12	CEMENT SERVICE	Ton Mileage Charge	2.60	1,131.31
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
42.00	CEMENT SERVICE	Pump Truck Mileage	7.70	323.40
42.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	184.80
1.00	CEMENT SERVICE	Manifold Rental	275.00	275.00
1.00	CEMENT SUPERVISOR	LaRene Wentz		
1.00	EQUIPMENT OPERATOR	Kevin Ryan		

*#*  
MAY 16 2014  
45966  
42,908.37

0 \* \*  
8,641.02 +  
2,321.34 -  
6,319.68 \* \*

000

Subtotal	8,290.52
Sales Tax	350.50
Total Invoice Amoun	8,641.02
Payment/Credit Appl	
<b>TOTAL</b>	<b>8,641.02</b>

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

\$ 2,321.34

ONLY IF PAID ON OR BEFORE  
May 24, 2014



# ALLIED OIL & GAS SERVICES, LLC 062097

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:  
Oakley, TX

DATE <u>4-29-14</u>	SEC. <u>7</u>	TWP. <u>17</u>	RANGE <u>33</u>	CALLED OUT	ON LOCATION <u>8:30 pm</u>	JOB START <u>7:30 pm</u>	JOB FINISH <u>10:00 pm</u>
LEASE <u>Jansen</u>	WELL# <u>1-7</u>	LOCATION <u>Scott City, KS 8th &amp; Rd 230</u>			COUNTY <u>Scott</u>	STATE <u>Ks</u>	
OLD OR <u>(NEW)</u> (Circle one)				<u>5 1/2 W, 5 into</u>			

CONTRACTOR Marfin 21 OWNER same

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 2681 CEMENT AMOUNT ORDERED 210 SF Com 380cc

CASING SIZE 8 7/8 DEPTH 2681 270 gal

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 151

PERFS.

DISPLACEMENT 16.19661

EQUIPMENT

PUMP TRUCK CEMENTER Harold E. Wentz

# 423/281 HELPER Kevin Ryan

BULK TRUCK DRIVER Juan Mendez (TW)

# 373/308

BULK TRUCK DRIVER

#

COMMON 210 SF @ 17.20 3752.00

POZMIX @

GEL 4 SF @ 23.40 93.60

CHLORIDE 7 SF @ 69.00 498.00

ASC @

Material total @ 4300.60

(1204.16/2820) @

Handling 278.08 SF @ 2.48 563.16

MILEAGE 10.25 hr X 42 X 2.60 1131.32

**REMARKS:**

Mix 210 SF cement  
Displace with water  
Cement did circulate  
80 SF to pit

**SERVICE**

DEPTH OF JOB 2681

PUMP TRUCK CHARGE 1512.25

EXTRA FOOTAGE @

MILEAGE MI 42 @ 7.70 323.40

MANIFOLD @ 275.00

MDCU 42 @ 4.40 184.80

(1117.18/282) @

TOTAL 3,989.93

CHARGE TO: Land mark.

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**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.

PRINTED NAME Juan Tinoco

SIGNATURE Juan Tinoco

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES 2,290.53

DISCOUNT 2,321.34 (282) IF PAID IN 30 DAYS

5,969.18 Net.



# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 143091  
Invoice Date: May 9, 2014  
Page: 1

Voice: (817) 546-7282  
Fax: (817) 246-3361

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

*73550*

APPROVED MAY 21 2014

Customer ID	Field Ticket #	Payment Terms	
Land	63487	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	May 9, 2014	6/8/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Janzen #1-7		
3.00	CEMENT MATERIALS	Gel	23.40	70.20
150.00	CEMENT MATERIALS	ASC	20.90	3,135.00
900.00	CEMENT MATERIALS	Gilsonite	0.98	882.00
16.00	CEMENT MATERIALS	Salt	26.35	421.60
445.00	CEMENT MATERIALS	Light Weight	15.95	7,097.75
111.00	CEMENT MATERIALS	Flo Seal	2.97	329.67
12.00	CEMENT MATERIALS	Super Flush	58.70	704.40
704.07	CEMENT SERVICE	Cubic Feet Charge	2.48	1,746.09
1,323.45	CEMENT SERVICE	Ton Mileage Charge	2.60	3,440.97
1.00	CEMENT SERVICE	Production -- Bottom Stage	2,765.75	2,765.75
1.00	CEMENT SERVICE	Production -- Top Stage	2,443.75	2,443.75
45.00	CEMENT SERVICE	Pump Truck Mileage	7.70	346.50
1.00	CEMENT SERVICE	Manifold Rotating Head Rental	475.00	475.00
45.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	198.00
1.00	EQUIPMENT SALES	5-1/2 AFU Float Shoe	545.00	545.00
1.00	EQUIPMENT SALES	5-1/2 Latch Down Flex Plug Assembly	660.00	660.00
1.00	EQUIPMENT SALES	5-1/2 D V Tool	5,335.00	5,335.00
13.00	EQUIPMENT SALES	5-1/2 Centralizer	57.00	741.00
2.00	EQUIPMENT SALES	5-1/2 Basket	395.00	790.00
1.00	EQUIPMENT OPERATOR	Paul Beaver		

*PO*  
*MAY 22 2014*  
*#*  
*46023*  
*46,971.96*

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

\$ 6,735.85

ONLY IF PAID ON OR BEFORE

Jun 3, 2014

Subtotal	Continued
Sales Tax	Continued
Total Invoice Amount	Continued
Payment/Credit Applied	
<b>TOTAL</b>	<b>Continued</b>



# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 143091  
Invoice Date: May 9, 2014  
Page: 2

Voice: (817) 546-7282  
Fax: (817) 246-3361

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

Customer ID	Field Ticket #	Payment Terms	
Land	63487	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	May 9, 2014	6/8/14

Quantity	Item	Description	Unit Price	Amount
1.00	EQUIPMENT OPERATOR	Tyler Flipse		

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

\$ 6,735.85

ONLY IF PAID ON OR BEFORE

Jun 3, 2014

Subtotal		32,127.68
Sales Tax	0 * *	1,688.00
Total Invoice Amount	33,815.68 +	33,815.68
Payment/Credit Applied	6,735.85 -	
<b>TOTAL</b>	•000	<b>33,815.68</b>

27,079.83 \* +

# ALLIED OIL & GAS SERVICES, LLC 063487

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:  
Oakley KS  
Top 10100 am 14: Dec m

DATE <u>5-9-14</u>	SEC. <u>7</u>	TWP. <u>17</u>	RANGE <u>33</u>	CALLED OUT	ON LOCATION <u>11:00 p.m. to 15-2-14</u>	JOB START <u>5:50 a.m.</u>	JOB FINISH <u>6:30 a.m.</u>
LEASE <u>Tanner</u>	WELL # <u>1-7</u>	LOCATION <u>Oakley Sta Jtc Hwy 4</u>			COUNTY <u>Scott</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)				<u>5 1/2 w S into</u>			

CONTRACTOR <u>Murfin 21</u>	OWNER <u>Same</u>
TYPE OF JOB <u>Production (2 stage)</u>	
HOLE SIZE <u>7 7/8</u>	T.D.
CASING SIZE <u>5 1/2</u>	DEPTH <u>4856'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL <u>DV TOOL</u>	DEPTH <u>2411'</u>
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>42.10'</u>
CEMENT LEFT IN CSG. <u>42.10'</u>	
PERFS.	
DISPLACEMENT <u>Bottom bubbler 54.57 bbl</u>	
<u>Top 57.38 bbl with</u>	EQUIPMENT

CEMENT		
AMOUNT ORDERED <u>150 sks ASC 6 1/2 gals/sk</u>		
<u>10% salt, 2% gel, 445 sks lite,</u>		
<u>1/4 # Flo-seal</u>		
COMMON	⊙	
POZMIX	⊙	
GEL <u>3 sks</u>	⊙	<u>23.40 70.20</u>
CHLORIDE	⊙	
ASC <u>150 sks</u>	⊙	<u>20.90 3135.00</u>
<u>gals/sk</u>	⊙	<u>.98 882.00</u>
<u>salt 16 sks</u>	⊙	<u>26.35 421.60</u>
<u>Lite 445 sks</u>	⊙	<u>15.95 7097.25</u>
<u>Flo-seal 111 #</u>	⊙	<u>2.97 329.67</u>
<u>Superflush 12 bbl</u>	⊙	<u>58.90 704.40</u>
<u>Material total</u>	⊙	<u>12,100.56</u>
<u>3539.36 / 288</u>	⊙	
HANDLING <u>704.07</u>	⊙	<u>2.48 1746.09</u>
MILEAGE <u>29.41 tons x 45 mi x 2.60</u>	⊙	<u>3440.97</u>

PUMP TRUCK CEMENTER <u>Paul Beaver</u>	
# <u>431</u>	HELPER <u>Tyler Flipse</u>
BULK TRUCK	
# <u>600</u>	DRIVER <u>Ramero (TWS)</u>
BULK TRUCK	
# <u>36/241</u>	DRIVER <u>Scott (TWS)</u>

REMARKS:  
Bot. stage  
Break circ, Drop ball, Ball went through shoe @ 400 w  
min 12 bbl super flush, mix 150 sks ASC,  
washup into pit, release plug. Displace w/ water and  
plug old land @ 1300 w 800 # lift. Float held  
Drop Dart, cement feet @ 900 # Circ 4 hrs  
Top stage mix 30 sks in pit, mix 15 sks in pit  
mix 400 sks lite, washup into pit, release plug  
Displace w/ water, plugged land @ 2500 w 1800 #  
lift cement and circ 22 bbl to pit  
(100 sks)

CHARGE TO: Landmark  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

Thank You!

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.

PRINTED NAME J. Walker  
SIGNATURE

TOTAL		
SERVICE		
DEPTH OF JOB <u>Bot 4856' Top 2411'</u>		
PUMP TRUCK CHARGE <u>2765.75</u>		<u>2443.75</u>
EXTRA FOOTAGE	⊙	
MILEAGE <u>MHV 45</u>	⊙	<u>7.70 346.50</u>
MANIFOLD <u>Rot head</u>	⊙	<u>475.00</u>
MILV <u>45</u>	⊙	<u>4.40 198.00</u>
	⊙	
		<u>(3196.49/288) 11,416.06</u>
TOTAL		

PLUG & FLOAT EQUIPMENT		
<u>Weatherford (5 1/2)</u>		
AFU Float shoe	⊙	<u>545.00</u>
Latchman Floplug 450	⊙	<u>1660.00</u>
DV Tool	⊙	<u>5335.00</u>
Centralizer 13	⊙	<u>57.00 741.00</u>
Baskets 7	⊙	<u>375.00 790.00</u>
		<u>(0.00)</u>
TOTAL		<u>8,071.00</u>

SALES TAX (If Any) \_\_\_\_\_  
TOTAL CHARGES 32,127.62  
DISCOUNT 6,735.85 (288) IF PAID IN 30 DAYS  
25,391.76 Net



## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc.**

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

ATTN: Wes Hansen

### **Janzen #1-7**

#### **7-17s-33w-Scott,KS**

Start Date: 2014.05.03 @ 23:57:00

End Date: 2014.05.04 @ 09:15:45

Job Ticket #: 56525                      DST #: 1

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

Printed: 2014.05.13 @ 09:16:12



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Landmark Resources Inc.

**7-17s-33w-Scott,KS**

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

**Janzen #1-7**

Job Ticket: 56525

**DST#: 1**

ATTN: Wes Hansen

Test Start: 2014.05.03 @ 23:57:00

## GENERAL INFORMATION:

Formation: **LKC "H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:43:15

Time Test Ended: 09:15:45

Test Type: Conventional Straddle (Initial)

Tester: Cornelio Landa III

Unit No: 69

**Interval: 4202.00 ft (KB) To 4232.00 ft (KB) (TVD)**

Total Depth: 4317.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3098.00 ft (KB)

3087.00 ft (CF)

KB to GR/CF: 11.00 ft

**Serial #: 8522 Inside**

Press@RunDepth: 746.91 psig @ 4204.00 ft (KB)

Start Date: 2014.05.03

End Date:

2014.05.04

Start Time: 23:57:05

End Time:

09:15:45

Capacity: 8000.00 psig

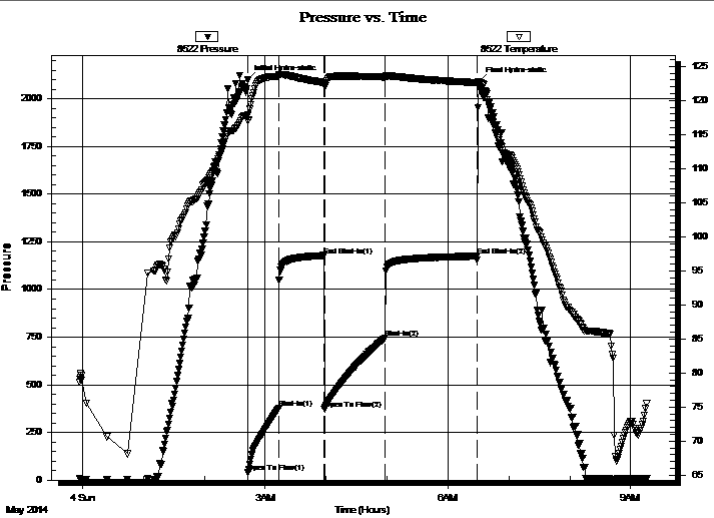
Last Calib.: 2014.05.04

Time On Btm: 2014.05.04 @ 02:43:00

Time Off Btm: 2014.05.04 @ 06:30:45

**TEST COMMENT:** IF: BOB in 5 min.  
IS: Bled off in 2 min.-No return  
FF: BOB in 6 min.  
FS: Bled off in 1 1/2 min.-No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2099.01	117.82	Initial Hydro-static
1	40.30	116.99	Open To Flow (1)
31	376.56	123.51	Shut-In(1)
75	1178.58	122.59	End Shut-In(1)
76	373.28	122.09	Open To Flow (2)
135	746.91	123.42	Shut-In(2)
226	1175.44	122.59	End Shut-In(2)
228	2090.09	122.25	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
275.00	G & Mcw 5g 25m 70w	1.35
630.00	Gw 5g 95w	8.84
441.00	G & Mcw 2g 5m 93w	6.19
252.00	Wm 15w 85m	3.53

## Gas Rates

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



**TRILOBITE**  
**TESTING, INC.**

# DRILL STEM TEST REPORT

Landmark Resources Inc.

**7-17s-33w-Scott,KS**

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

**Janzen #1-7**

Job Ticket: 56525

**DST#: 1**

ATTN: Wes Hansen

Test Start: 2014.05.03 @ 23:57:00

**GENERAL INFORMATION:**

Formation: **LKC "H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:43:15

Time Test Ended: 09:15:45

Test Type: Conventional Straddle (Initial)

Tester: Cornelio Landa III

Unit No: 69

**Interval: 4202.00 ft (KB) To 4232.00 ft (KB) (TVD)**

Reference Elevations: 3098.00 ft (KB)

Total Depth: 4317.00 ft (KB) (TVD)

3087.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

**Serial #: 8678 Outside**

Press@RunDepth: psig @ 4204.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.03 End Date: 2014.05.04

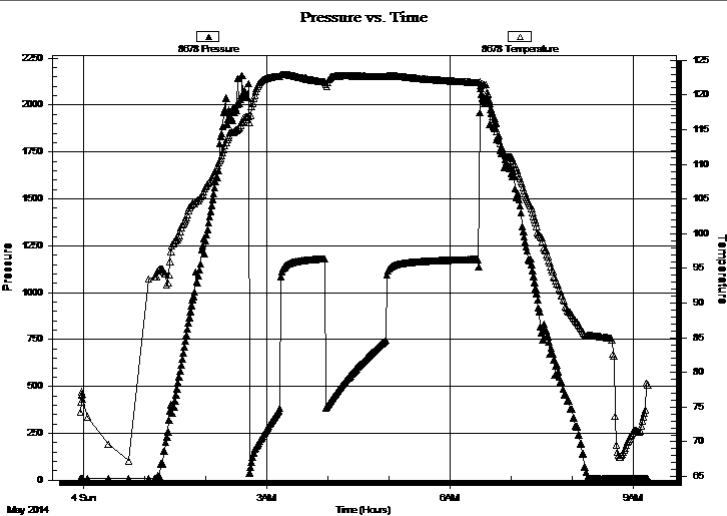
Last Calib.: 2014.05.04

Start Time: 23:57:05 End Time: 09:14:15

Time On Btm:

Time Off Btm:

**TEST COMMENT:** IF: BOB in 5 min.  
IS: Bled off in 2 min.-No return  
FF: BOB in 6 min.  
FS: Bled off in 1 1/2 min.-No return



**PRESSURE SUMMARY**

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

**Recovery**

Length (ft)	Description	Volume (bbl)
275.00	G & Mcw 5g 25m 70w	1.35
630.00	Gw 5g 95w	8.84
441.00	G & Mcw 2g 5m 93w	6.19
252.00	Wm 15w 85m	3.53

**Gas Rates**

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources Inc.

**7-17s-33w-Scott,KS**

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

**Janzen #1-7**

Job Ticket: 56525

**DST#: 1**

ATTN: Wes Hansen

Test Start: 2014.05.03 @ 23:57:00

## GENERAL INFORMATION:

Formation: **LKC "H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:43:15

Time Test Ended: 09:15:45

Test Type: Conventional Straddle (Initial)

Tester: Cornelio Landa III

Unit No: 69

**Interval: 4202.00 ft (KB) To 4232.00 ft (KB) (TVD)**

Total Depth: 4317.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3098.00 ft (KB)

3087.00 ft (CF)

KB to GR/CF: 11.00 ft

**Serial #: 8677 Below (Straddle)**

Press@RunDepth: psig @ 4298.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.03

End Date:

2014.05.04

Last Calib.:

2014.05.04

Start Time: 23:57:05

End Time:

09:14:15

Time On Btm:

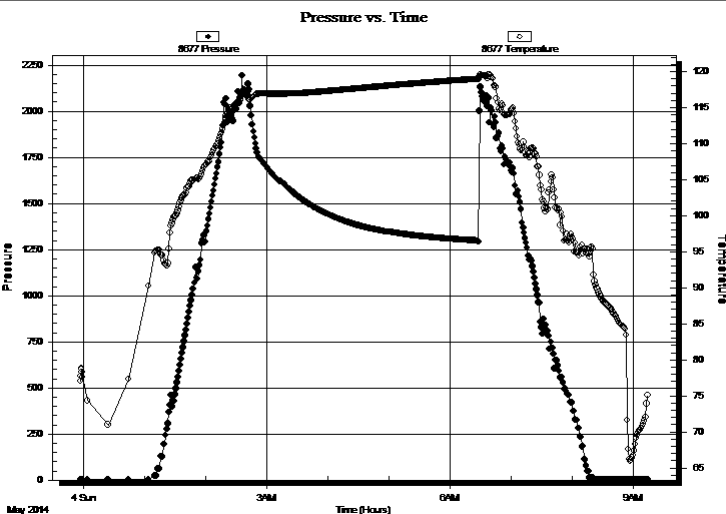
Time Off Btm:

TEST COMMENT: IF: BOB in 5 min.

IS: Bled off in 2 min.-No return

FF: BOB in 6 min.

FS: Bled off in 1 1/2 min.-No return



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
275.00	G & Mcw 5g 25m 70w	1.35
630.00	Gw 5g 95w	8.84
441.00	G & Mcw 2g 5m 93w	6.19
252.00	Wm 15w 85m	3.53

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Landmark Resources Inc.

**7-17s-33w-Scott,KS**

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

**Janzen #1-7**

Job Ticket: 56525

**DST#: 1**

ATTN: Wes Hansen

Test Start: 2014.05.03 @ 23:57:00

## Tool Information

Drill Pipe:	Length: 3920.00 ft	Diameter: 3.80 inches	Volume: 54.99 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 26000.00 lb
Drill Collar:	Length: 275.00 ft	Diameter: 2.25 inches	Volume: 1.35 bbl	Weight to Pull Loose: 10000.00 lb
			<u>Total Volume: 56.34 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4202.00 ft			Final 82000.00 lb
Depth to Bottom Packer:	4232.00 ft			
Interval between Packers:	30.00 ft			
Tool Length:	142.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4176.00	
Shut In Tool	5.00			4181.00	
Hydraulic tool	5.00			4186.00	
Jars	5.00			4191.00	
Safety Joint	2.00			4193.00	
Packer	5.00			4198.00	27.00 Bottom Of Top Packer
Packer	4.00			4202.00	
Stubb	1.00			4203.00	
Perforations	1.00			4204.00	
Recorder	0.00	8522	Inside	4204.00	
Recorder	0.00	8678	Outside	4204.00	
Perforations	24.00			4228.00	
Blank Off Sub	1.00			4229.00	
Top of Straddle Packer	3.00			4232.00	30.00 Tool Interval
Packer	1.00			4233.00	
Stubb	1.00			4234.00	
Change Over Sub	1.00			4235.00	
Drill Pipe	63.00			4298.00	
Recorder	0.00	8677	Below	4298.00	
Change Over Sub	1.00			4299.00	
Perforations	15.00			4314.00	
Bullnose	3.00			4317.00	85.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>142.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Landmark Resources Inc.

**7-17s-33w-Scott,KS**

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

**Janzen #1-7**

Job Ticket: 56525

**DST#: 1**

ATTN: Wes Hansen

Test Start: 2014.05.03 @ 23:57:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

48000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.76 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
275.00	G & Mcw 5g 25m 70w	1.352
630.00	Gw 5g 95w	8.837
441.00	G & Mcw 2g 5m 93w	6.186
252.00	Wm 15w 85m	3.535

Total Length: 1598.00 ft      Total Volume: 19.910 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

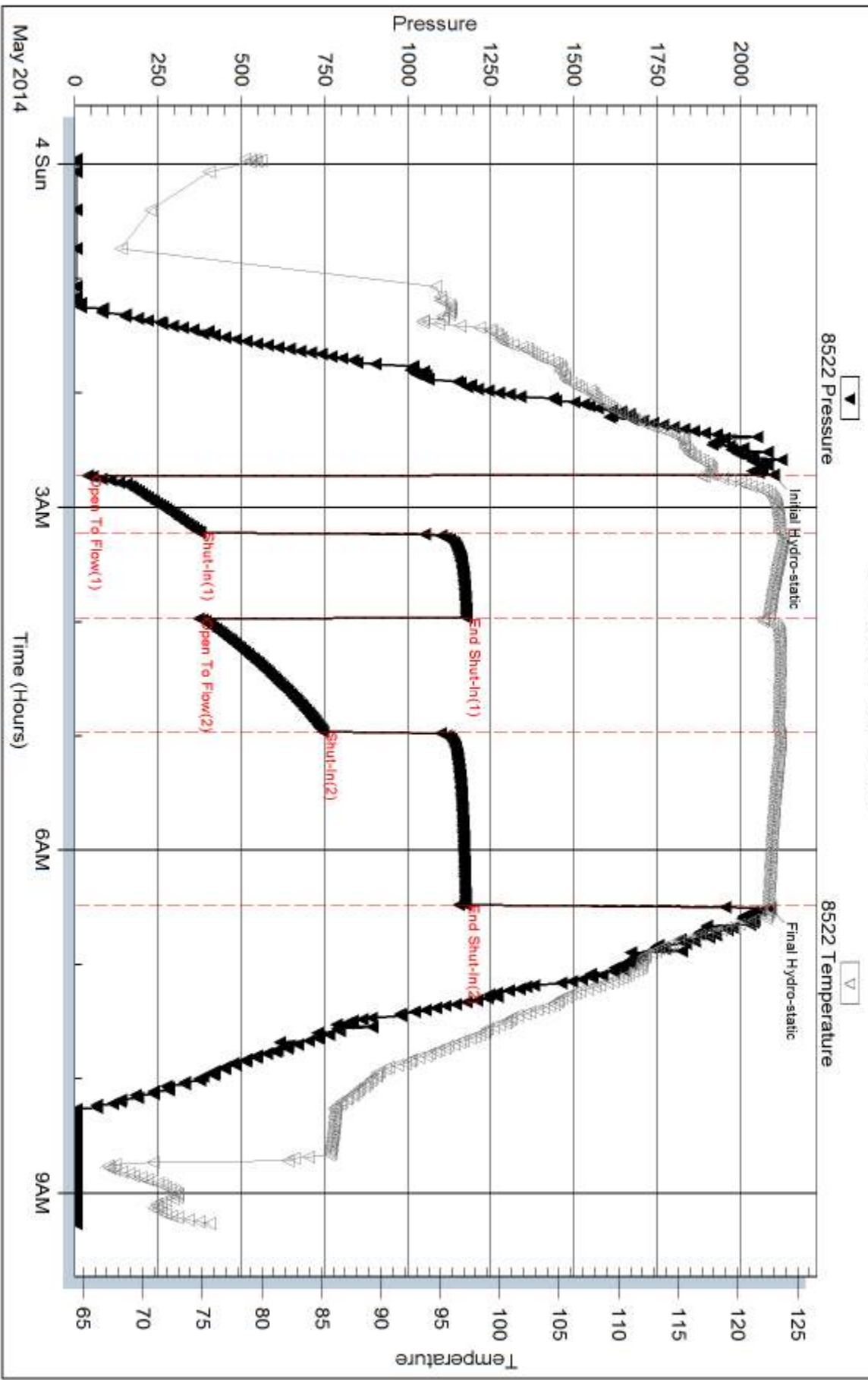
Serial #:

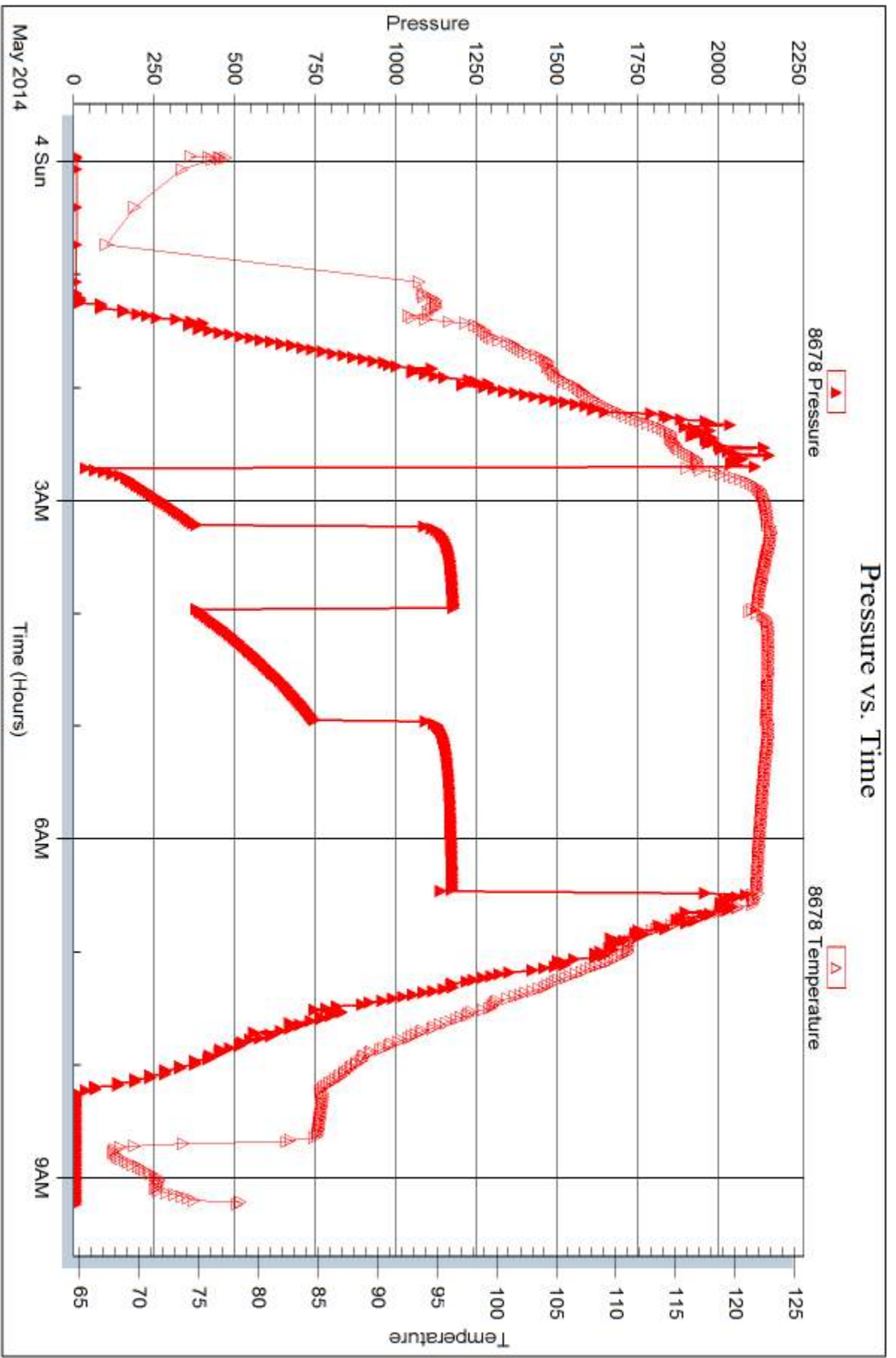
Laboratory Name:

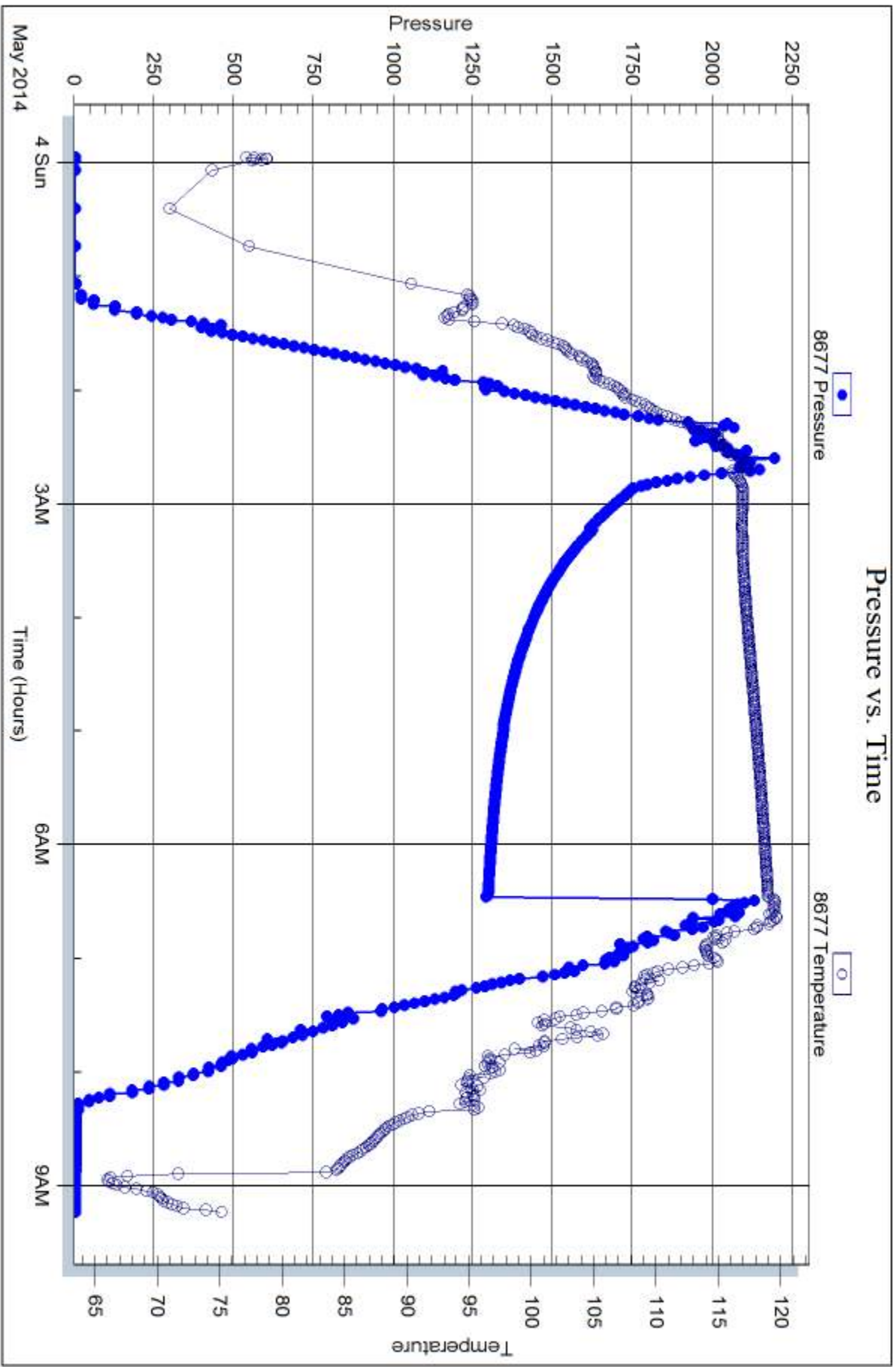
Laboratory Location:

Recovery Comments: RW .161 @ 67=48000

### Pressure vs. Time









## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc.**

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

ATTN: Wes Hansen

### **Janzen #1-7**

#### **7-17s-33w-Scott,KS**

Start Date: 2014.05.05 @ 02:11:00

End Date: 2014.05.05 @ 09:16:15

Job Ticket #: 56526                      DST #: 2

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

Printed: 2014.05.13 @ 09:15:44



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources Inc.

**7-17s-33w-Scott,KS**

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

**Janzen #1-7**

Job Ticket: 56526

**DST#: 2**

ATTN: Wes Hansen

Test Start: 2014.05.05 @ 02:11:00

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:30:30

Time Test Ended: 09:16:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III

Unit No: 69

**Interval: 4412.00 ft (KB) To 4470.00 ft (KB) (TVD)**

Reference Elevations: 3098.00 ft (KB)

Total Depth: 4470.00 ft (KB) (TVD)

3087.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

**Serial #: 8677 Outside**

Press@RunDepth: 56.03 psig @ 4415.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.05

End Date:

2014.05.05

Last Calib.: 2014.05.05

Start Time: 02:11:05

End Time:

09:16:14

Time On Btm: 2014.05.05 @ 04:30:15

Time Off Btm: 2014.05.05 @ 07:15:45

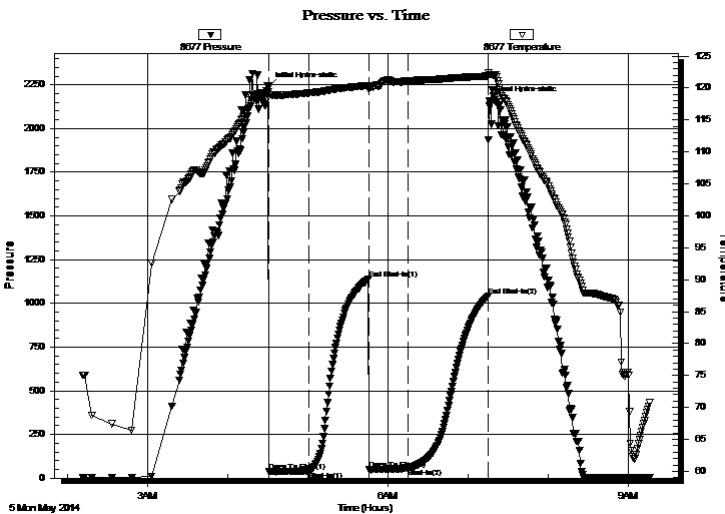
TEST COMMENT: IF: 1/2" Blow -Died in 20 min.

IS: No return

FF: No blow

FS: No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2237.73	119.48	Initial Hydro-static
1	39.21	118.64	Open To Flow (1)
31	41.44	119.22	Shut-In(1)
76	1139.48	120.37	End Shut-In(1)
76	48.30	119.75	Open To Flow (2)
105	56.03	121.20	Shut-In(2)
165	1041.72	121.85	End Shut-In(2)
166	2157.26	122.16	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	G & Ocm 5g 35o 60m	0.02
4.00	G & Mco 5g 40m 55o	0.02
1.00	Co 100o	0.00

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources Inc.

**7-17s-33w-Scott,KS**

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

**Janzen #1-7**

Job Ticket: 56526

**DST#: 2**

ATTN: Wes Hansen

Test Start: 2014.05.05 @ 02:11:00

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:30:30

Time Test Ended: 09:16:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III

Unit No: 69

**Interval: 4412.00 ft (KB) To 4470.00 ft (KB) (TVD)**

Reference Elevations: 3098.00 ft (KB)

Total Depth: 4470.00 ft (KB) (TVD)

3087.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

**Serial #: 8678 Inside**

Press@RunDepth: psig @ 4415.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.05

End Date:

2014.05.05

Last Calib.:

2014.05.05

Start Time: 02:11:05

End Time:

09:16:14

Time On Btm:

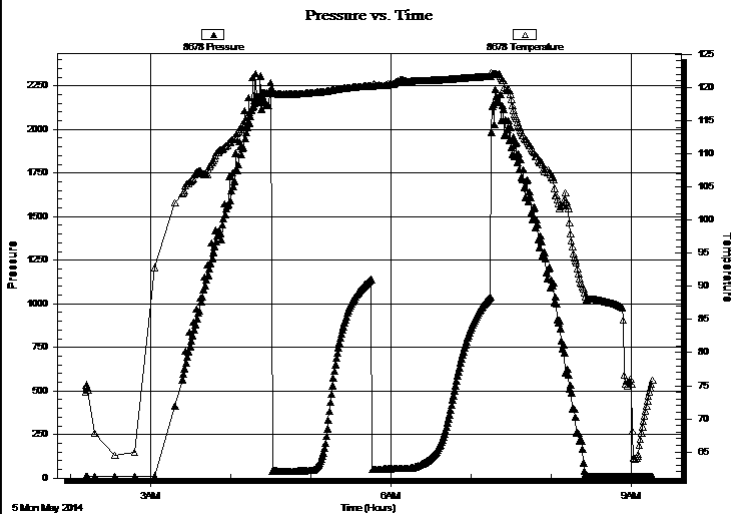
Time Off Btm:

**TEST COMMENT:** IF: 1/2" Blow -Died in 20 min.

IS: No return

FF: No blow

FS: No return



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	G & Ocm 5g 35o 60m	0.02
4.00	G & Mco 5g 40m 55o	0.02
1.00	Co 100o	0.00

## 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.

**7-17s-33w-Scott,KS**

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

**Janzen #1-7**

Job Ticket: 56526

**DST#: 2**

ATTN: Wes Hansen

Test Start: 2014.05.05 @ 02:11:00

## Tool Information

Drill Pipe:	Length: 4115.00 ft	Diameter: 3.80 inches	Volume: 57.72 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	26000.00 lb
Drill Collar:	Length: 275.00 ft	Diameter: 2.25 inches	Volume: 1.35 bbl	Weight to Pull Loose:	20000.00 lb
			<u>Total Volume: 59.07 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	76000.00 lb
Depth to Top Packer:	4412.00 ft			Final	76000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	58.00 ft				
Tool Length:	85.00 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			4386.00	
Shut In Tool	5.00			4391.00	
Hydraulic tool	5.00			4396.00	
Jars	5.00			4401.00	
Safety Joint	2.00			4403.00	
Packer	5.00			4408.00	27.00 Bottom Of Top Packer
Packer	4.00			4412.00	
Stubb	1.00			4413.00	
Perforations	1.00			4414.00	
Change Over Sub	1.00			4415.00	
Recorder	0.00	8678	Inside	4415.00	
Recorder	0.00	8677	Outside	4415.00	
Drill Pipe	31.00			4446.00	
Change Over Sub	1.00			4447.00	
Perforations	20.00			4467.00	
Bullnose	3.00			4470.00	58.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>85.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Landmark Resources Inc.

**7-17s-33w-Scott,KS**

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

**Janzen #1-7**

Job Ticket: 56526

**DST#: 2**

ATTN: Wes Hansen

Test Start: 2014.05.05 @ 02:11:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.93 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
5.00	G & Ocm 5g 35o 60m	0.025
4.00	G & Mco 5g 40m 55o	0.020
1.00	Co 100o	0.005

Total Length: 10.00 ft      Total Volume: 0.050 bbl

Num Fluid Samples: 0

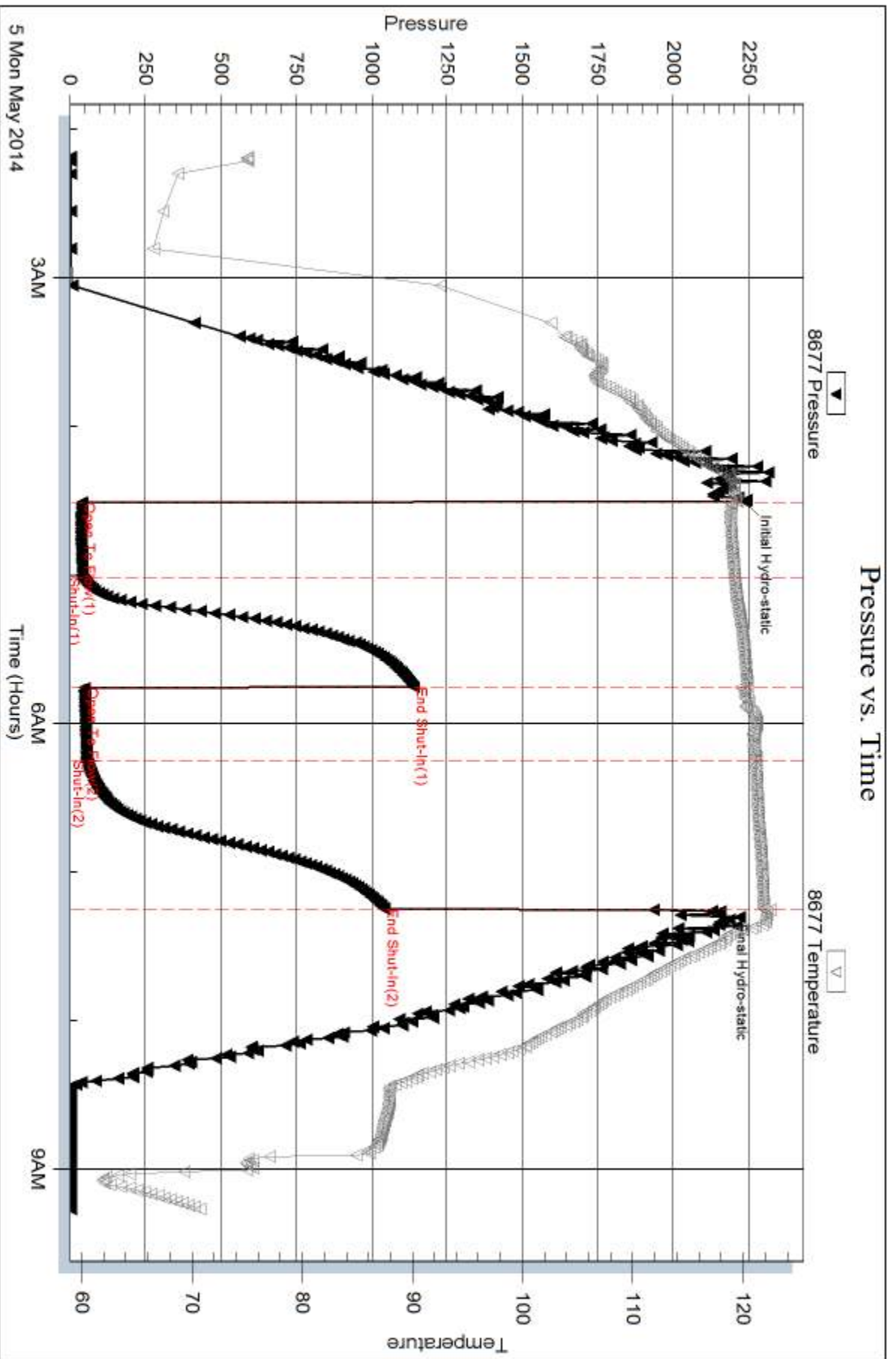
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



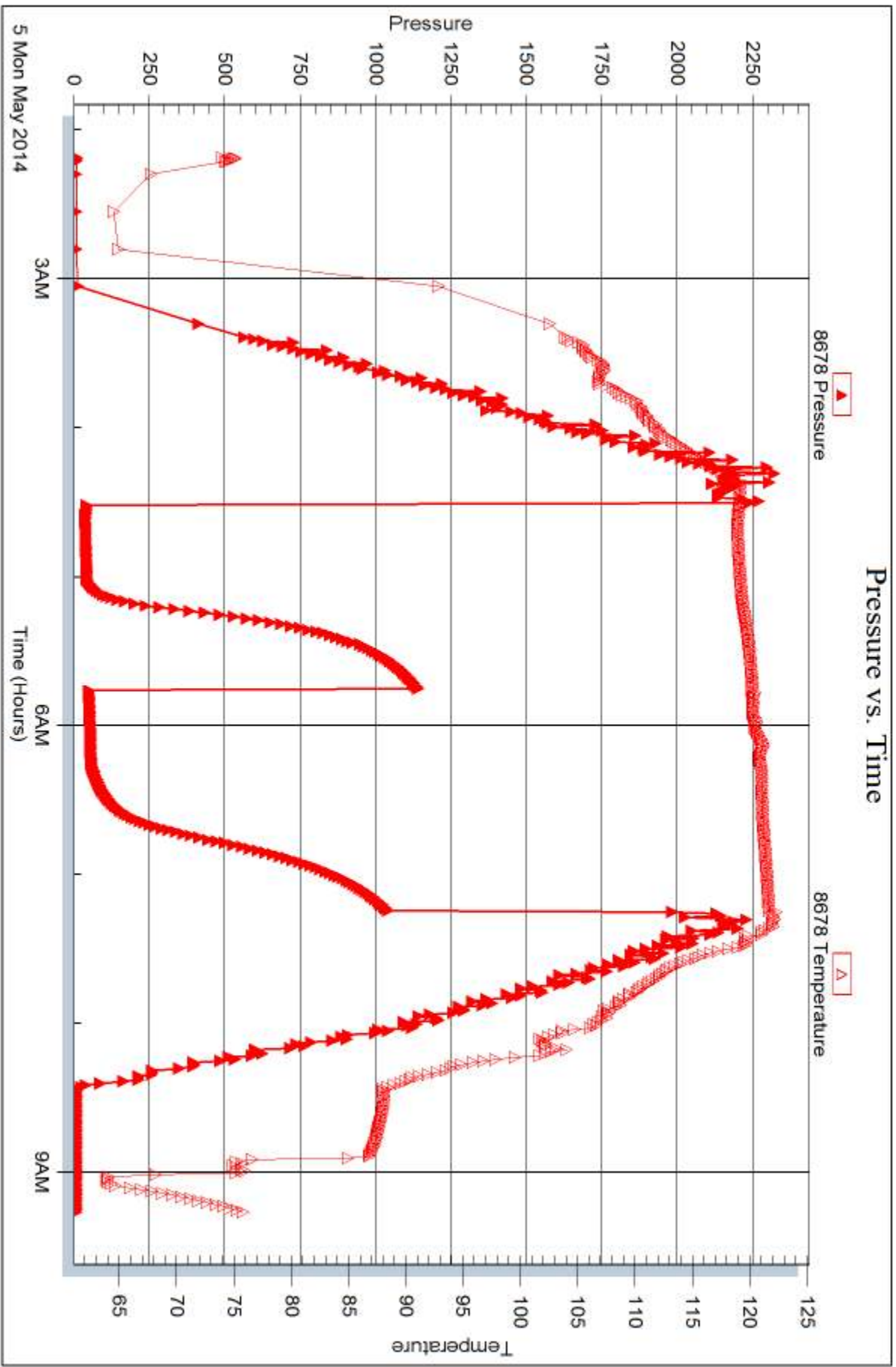
Serial #: 8678

Inside

Landmark Resources Inc.

Janzen #1-7

DST Test Number: 2





## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc.**

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

ATTN: Wes Hansen

### **Janzen #1-7**

#### **7-17s-33w-Scott,KS**

Start Date: 2014.05.05 @ 17:15:00

End Date: 2014.05.06 @ 02:05:45

Job Ticket #: 56527                      DST #: 3

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

Printed: 2014.05.13 @ 09:15:24



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources Inc.

**7-17s-33w-Scott,KS**

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

**Janzen #1-7**

Job Ticket: 56527

**DST#: 3**

ATTN: Wes Hansen

Test Start: 2014.05.05 @ 17:15:00

## GENERAL INFORMATION:

Formation: **Altamont**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:26:15

Time Test Ended: 02:05:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III

Unit No: 69

**Interval: 4468.00 ft (KB) To 4500.00 ft (KB) (TVD)**

Reference Elevations: 3098.00 ft (KB)

Total Depth: 4500.00 ft (KB) (TVD)

3087.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

**Serial #: 8678**

**Inside**

Press@RunDepth: 261.64 psig @ 4470.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.05

End Date:

2014.05.06

Last Calib.:

2014.05.06

Start Time: 17:15:05

End Time:

02:05:45

Time On Btm:

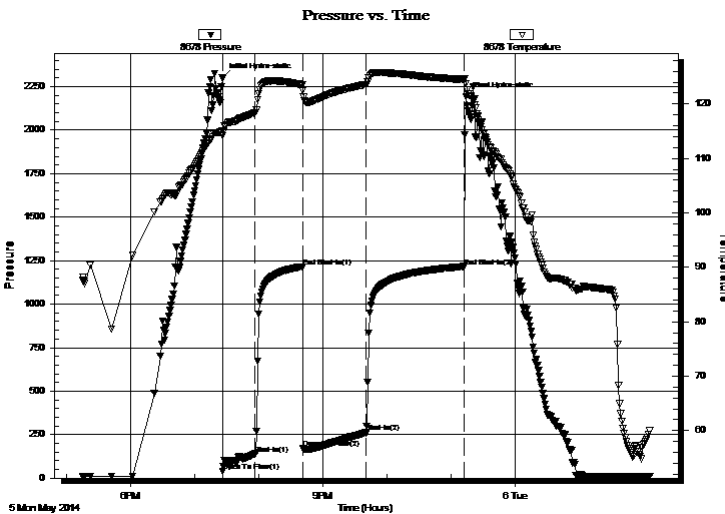
2014.05.05 @ 19:26:00

Time Off Btm:

2014.05.05 @ 23:13:45

**TEST COMMENT:** IF: BOB in 9 min.  
IS: Bled off in 3 min.-BOB in 10 min.  
FF: BOB Immediately  
FS: Bled off in 3 min.- BOB in 30 min.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2301.31	115.02	Initial Hydro-static
1	37.23	114.12	Open To Flow (1)
31	138.84	118.36	Shut-In(1)
75	1211.89	123.53	End Shut-In(1)
76	169.85	122.44	Open To Flow (2)
135	261.64	123.60	Shut-In(2)
226	1216.00	124.46	End Shut-In(2)
228	2193.08	123.74	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
61.00	Mcgo 10m 15g 75o	0.30
498.00	Cgo 50g 50o	5.04
126.00	Cgo 30g 70o	1.77
0.00	GIP=2111	0.00

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Landmark Resources Inc.

**7-17s-33w-Scott,KS**

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

**Janzen #1-7**

Job Ticket: 56527

**DST#: 3**

ATTN: Wes Hansen

Test Start: 2014.05.05 @ 17:15:00

## Tool Information

Drill Pipe:	Length: 4180.00 ft	Diameter: 3.80 inches	Volume: 58.63 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	26000.00 lb
Drill Collar:	Length: 275.00 ft	Diameter: 2.25 inches	Volume: 1.35 bbl	Weight to Pull Loose:	10000.00 lb
			<u>Total Volume: 59.98 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial	76000.00 lb
Depth to Top Packer:	4468.00 ft			Final	80000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	32.00 ft				
Tool Length:	59.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4442.00	
Shut In Tool	5.00			4447.00	
Hydraulic tool	5.00			4452.00	
Jars	5.00			4457.00	
Safety Joint	2.00			4459.00	
Packer	5.00			4464.00	27.00 Bottom Of Top Packer
Packer	4.00			4468.00	
Stubb	1.00			4469.00	
Perforations	1.00			4470.00	
Recorder	0.00	8678	Inside	4470.00	
Recorder	0.00	8677	Outside	4470.00	
Perforations	27.00			4497.00	
Bullnose	3.00			4500.00	32.00 Bottom Packers & Anchor

**Total Tool Length: 59.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Landmark Resources Inc.

**7-17s-33w-Scott,KS**

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

**Janzen #1-7**

Job Ticket: 56527

**DST#: 3**

ATTN: Wes Hansen

Test Start: 2014.05.05 @ 17:15:00

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 66.00 sec/qt  
Water Loss: 8.73 in<sup>3</sup>  
Resistivity: 0.00 ohm.m  
Salinity: 5000.00 ppm  
Filter Cake: 1.00 inches

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

Oil API: 31 deg API  
Water Salinity: ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
61.00	Mcgo 10m 15g 75o	0.300
498.00	Cgo 50g 50o	5.036
126.00	Cgo 30g 70o	1.767
0.00	GIP=2111	0.000

Total Length: 685.00 ft      Total Volume: 7.103 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

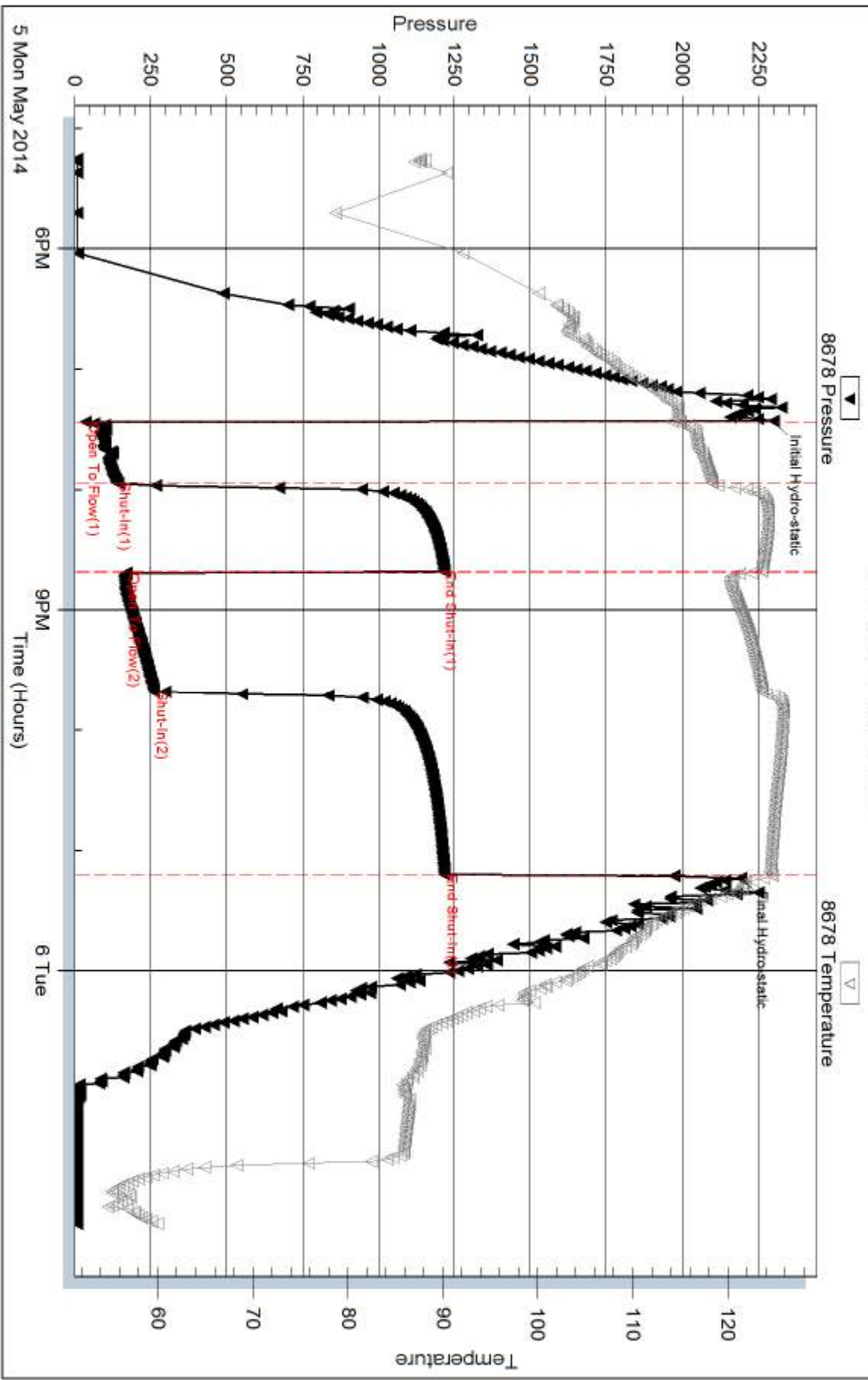
Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity 30@50=31



### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc.**

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

ATTN: Wes Hansen

### **Janzen #1-7**

#### **7-17s-33w-Scott,KS**

Start Date: 2014.05.06 @ 18:03:00

End Date: 2014.05.07 @ 02:25:15

Job Ticket #: 56528                      DST #: 4

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

Printed: 2014.05.13 @ 09:15:03



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources Inc.

**7-17s-33w-Scott,KS**

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

**Janzen #1-7**

Job Ticket: 56528

**DST#: 4**

ATTN: Wes Hansen

Test Start: 2014.05.06 @ 18:03:00

## GENERAL INFORMATION:

Formation: **Myrice Station-Ft. S**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:07:15

Time Test Ended: 02:25:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III

Unit No: 69

**Interval: 4552.00 ft (KB) To 4600.00 ft (KB) (TVD)**

Reference Elevations: 3098.00 ft (KB)

Total Depth: 4600.00 ft (KB) (TVD)

3087.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

**Serial #: 8677 Outside**

Press@RunDepth: 182.26 psig @ 4555.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.06

End Date: 2014.05.07

Last Calib.: 2014.05.07

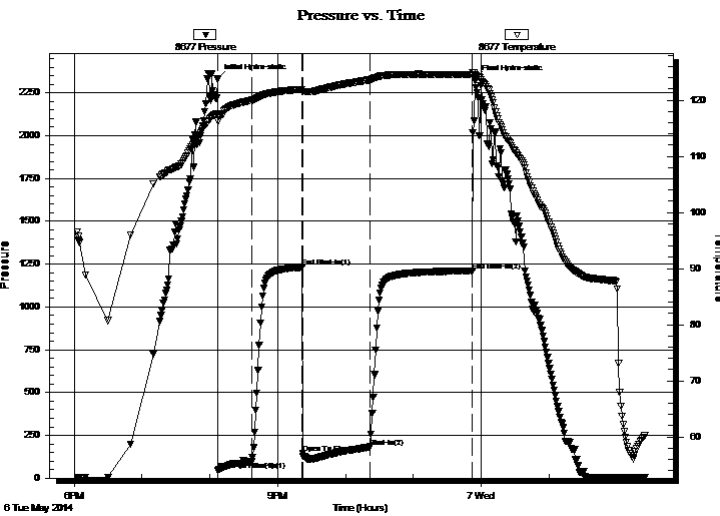
Start Time: 18:03:05

End Time: 02:25:14

Time On Btm: 2014.05.06 @ 20:07:00

Time Off Btm: 2014.05.06 @ 23:54:30

**TEST COMMENT:** IF: BOB in 4 1/2 min.  
IS: Bled off in 4 min.-4". of Blow back-Died in 21 min.  
FF: BOB in 4 1/2 min.  
FS: Bled off in 4 min.-BOB in 20 min.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2332.56	117.74	Initial Hydro-static
1	43.88	116.31	Open To Flow (1)
30	95.97	120.00	Shut-In(1)
75	1231.88	121.97	End Shut-In(1)
76	145.50	121.58	Open To Flow (2)
135	182.26	123.67	Shut-In(2)
226	1210.99	124.59	End Shut-In(2)
228	2330.87	124.65	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mcgo 10m 20g 70o	0.15
245.00	Cgo 30g 70o	1.20
252.00	Cgo 20g 80o	3.53
0.00	GIP=3906	0.00

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources Inc.

**7-17s-33w-Scott,KS**

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

**Janzen #1-7**

Job Ticket: 56528

**DST#: 4**

ATTN: Wes Hansen

Test Start: 2014.05.06 @ 18:03:00

## GENERAL INFORMATION:

Formation: **Myrice Station-Ft. S**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:07:15

Time Test Ended: 02:25:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III

Unit No: 69

**Interval: 4552.00 ft (KB) To 4600.00 ft (KB) (TVD)**

Reference Elevations: 3098.00 ft (KB)

Total Depth: 4600.00 ft (KB) (TVD)

3087.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

**Serial #: 8678 Inside**

Press@RunDepth: psig @ 4555.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.06

End Date:

2014.05.07

Last Calib.:

2014.05.07

Start Time: 18:03:05

End Time:

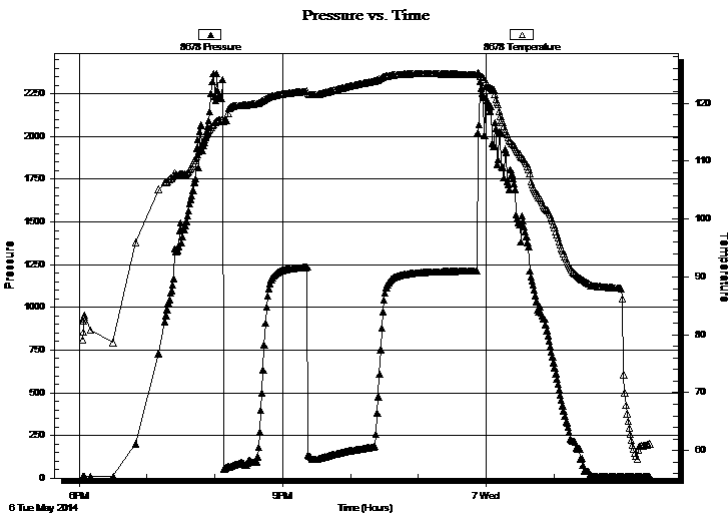
02:25:14

Time On Btm:

Time Off Btm:

**TEST COMMENT:** IF: BOB in 4 1/2 min.  
IS: Bled off in 4 min.-4". of Blow back-Died in 21 min.  
FF: BOB in 4 1/2 min.  
FS: Bled off in 4 min.-BOB in 20 min.

## PRESSURE SUMMARY



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

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mcgo 10m 20g 70o	0.15
245.00	Cgo 30g 70o	1.20
252.00	Cgo 20g 80o	3.53
0.00	GIP=3906	0.00

## 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.

**7-17s-33w-Scott,KS**

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

**Janzen #1-7**

Job Ticket: 56528

**DST#: 4**

ATTN: Wes Hansen

Test Start: 2014.05.06 @ 18:03:00

## Tool Information

Drill Pipe:	Length: 4272.00 ft	Diameter: 3.80 inches	Volume: 59.92 bbl	Tool Weight: 25000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 26000.00 lb
Drill Collar:	Length: 275.00 ft	Diameter: 2.25 inches	Volume: 1.35 bbl	Weight to Pull Loose: 12000.00 lb
			<u>Total Volume: 61.27 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4552.00 ft			Final 84000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.00 ft			
Tool Length:	75.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4526.00	
Shut In Tool	5.00			4531.00	
Hydraulic tool	5.00			4536.00	
Jars	5.00			4541.00	
Safety Joint	2.00			4543.00	
Packer	5.00			4548.00	27.00 Bottom Of Top Packer
Packer	4.00			4552.00	
Stubb	1.00			4553.00	
Perforations	1.00			4554.00	
Change Over Sub	1.00			4555.00	
Recorder	0.00	8678	Inside	4555.00	
Recorder	0.00	8677	Outside	4555.00	
Drill Pipe	31.00			4586.00	
Change Over Sub	1.00			4587.00	
Perforations	10.00			4597.00	
Bullnose	3.00			4600.00	48.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>75.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Landmark Resources Inc.

**7-17s-33w-Scott,KS**

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

**Janzen #1-7**

Job Ticket: 56528

**DST#: 4**

ATTN: Wes Hansen

Test Start: 2014.05.06 @ 18:03:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
30.00	Mcgo 10m 20g 70o	0.148
245.00	Cgo 30g 70o	1.205
252.00	Cgo 20g 80o	3.535
0.00	GIP=3906	0.000

Total Length: 527.00 ft      Total Volume: 4.888 bbl

Num Fluid Samples: 0

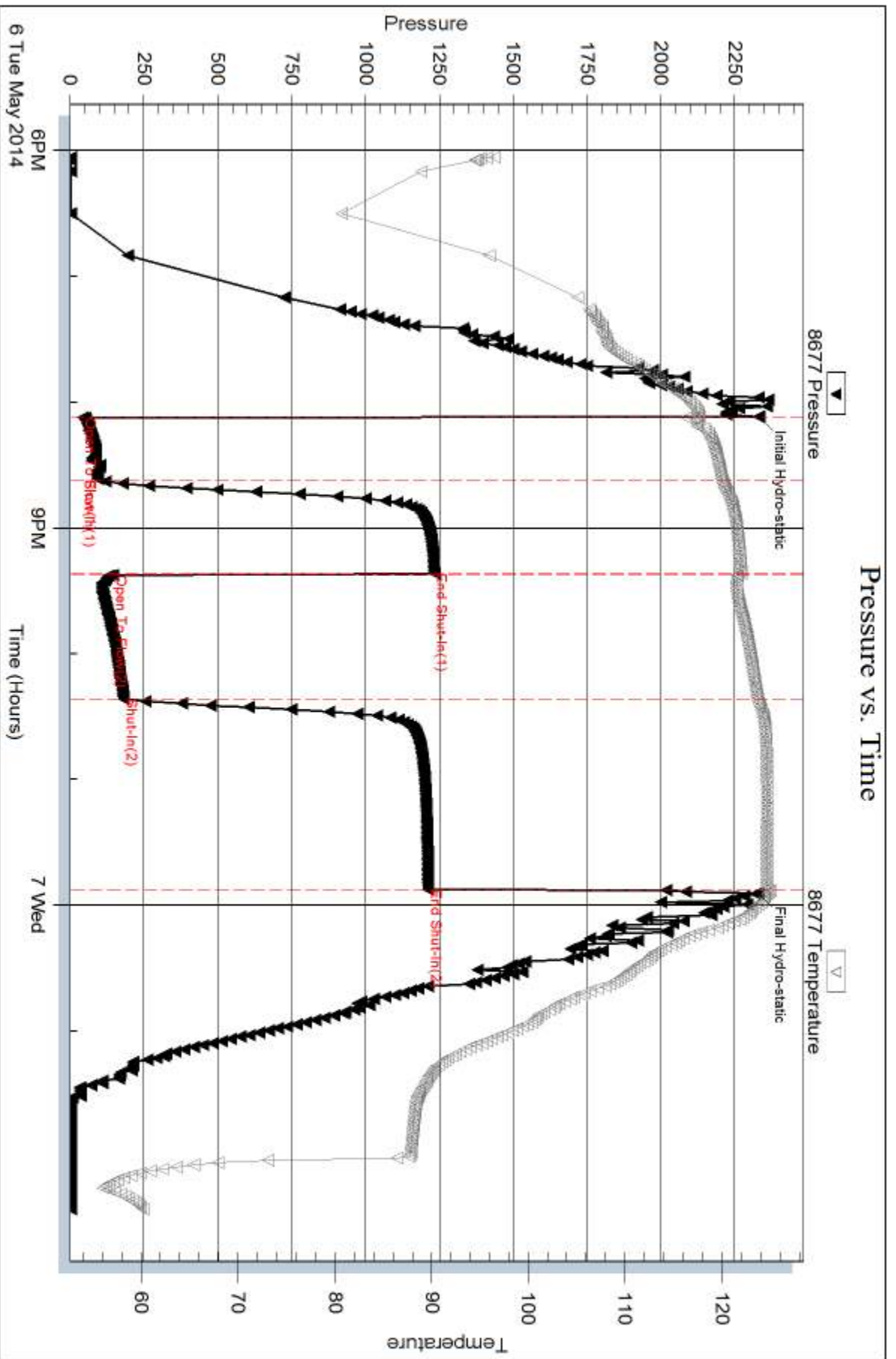
Num Gas Bombs: 0

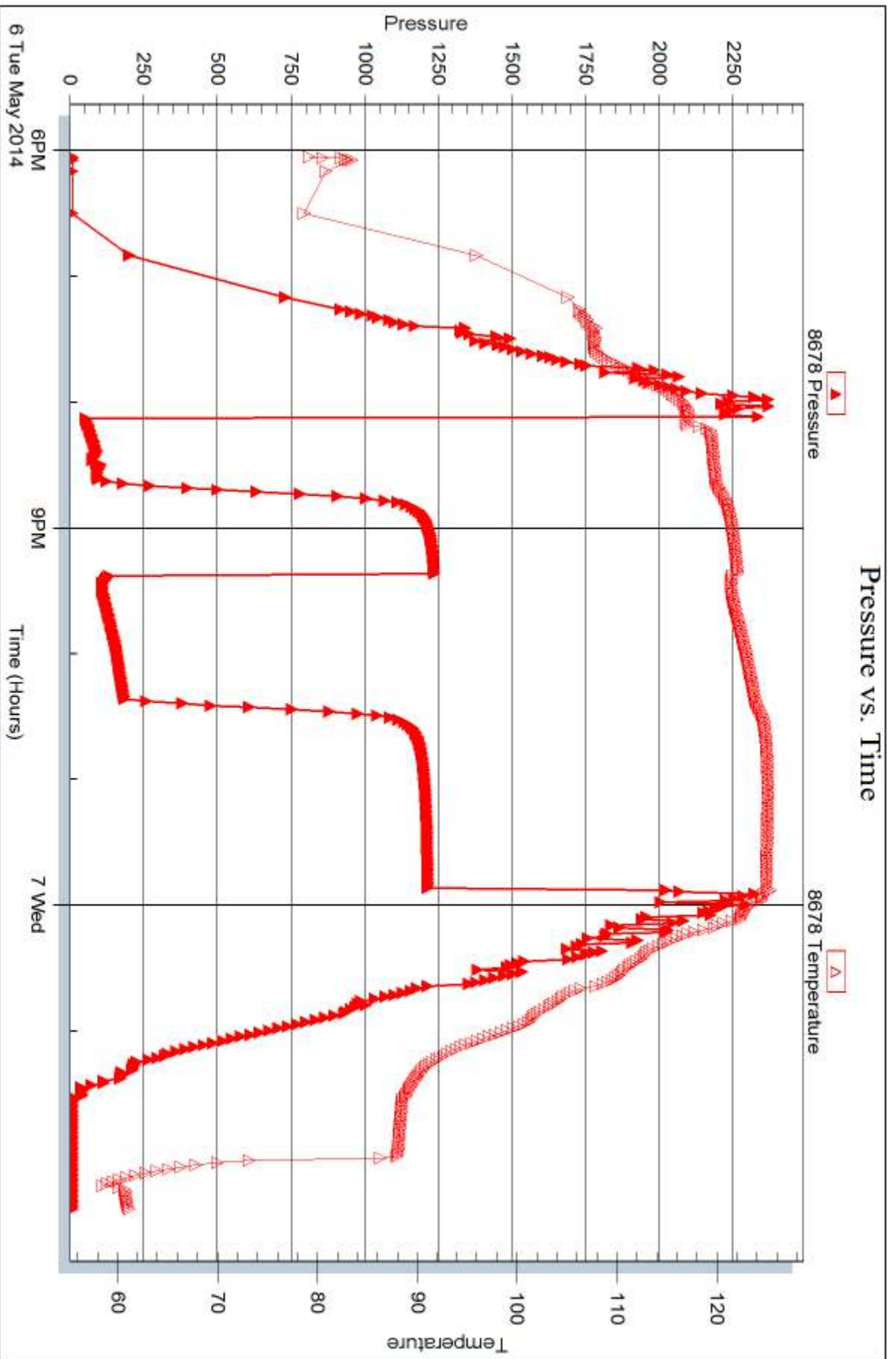
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravit 32@50=33









## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc.**

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

ATTN: Wes Hansen

### **Janzen #1-7**

#### **7-17s-33w-Scott,KS**

Start Date: 2014.05.07 @ 15:05:00

End Date: 2014.05.07 @ 22:18:30

Job Ticket #: 57643                      DST #: 5

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

Printed: 2014.05.13 @ 09:14:26



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources Inc.

**7-17s-33w-Scott,KS**

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

**Janzen #1-7**

Job Ticket: 57643

**DST#: 5**

ATTN: Wes Hansen

Test Start: 2014.05.07 @ 15:05:00

## GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:22:30

Time Test Ended: 22:18:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

**Interval: 4642.00 ft (KB) To 4732.00 ft (KB) (TVD)**

Reference Elevations: 3098.00 ft (KB)

Total Depth: 4732.00 ft (KB) (TVD)

3087.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

**Serial #: 8522 Outside**

Press@RunDepth: 43.20 psig @ 4643.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.07

End Date:

2014.05.07

Last Calib.:

2014.05.07

Start Time:

15:05:05

End Time:

22:18:29

Time On Btm:

2014.05.07 @ 17:22:15

Time Off Btm:

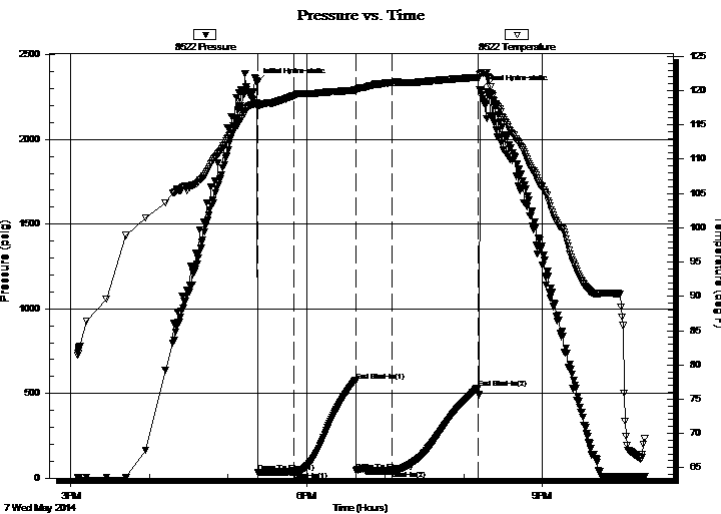
2014.05.07 @ 20:12:15

TEST COMMENT: IF: Surface blow , died @ 25 min.

IS: No return.

FF: No blow .

FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2337.22	118.19	Initial Hydro-static
1	31.66	117.49	Open To Flow (1)
29	37.91	119.24	Shut-In(1)
76	574.88	120.07	End Shut-In(1)
76	42.59	119.86	Open To Flow (2)
104	43.20	121.19	Shut-In(2)
169	531.46	121.95	End Shut-In(2)
170	2292.67	122.34	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	socm 1o 99m	0.15

\* 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.

**7-17s-33w-Scott,KS**

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

**Janzen #1-7**

Job Ticket: 57643

**DST#: 5**

ATTN: Wes Hansen

Test Start: 2014.05.07 @ 15:05:00

## Tool Information

Drill Pipe:	Length: 4364.00 ft	Diameter: 3.80 inches	Volume: 61.22 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 275.00 ft	Diameter: 2.25 inches	Volume: 1.35 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 62.57 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4642.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	90.00 ft			
Tool Length:	117.00 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			4616.00	
Shut In Tool	5.00			4621.00	
Hydraulic tool	5.00			4626.00	
Jars	5.00			4631.00	
Safety Joint	2.00			4633.00	
Packer	5.00			4638.00	27.00 Bottom Of Top Packer
Packer	4.00			4642.00	
Stubb	1.00			4643.00	
Recorder	0.00	8678	Inside	4643.00	
Recorder	0.00	8522	Outside	4643.00	
Perforations	21.00			4664.00	
Change Over Sub	1.00			4665.00	
Drill Pipe	63.00			4728.00	
Change Over Sub	1.00			4729.00	
Bullnose	3.00			4732.00	90.00 Bottom Packers & Anchor

**Total Tool Length: 117.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Landmark Resources Inc.

**7-17s-33w-Scott,KS**

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

**Janzen #1-7**

Job Ticket: 57643

**DST#: 5**

ATTN: Wes Hansen

Test Start: 2014.05.07 @ 15:05:00

## 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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7200.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	socm 1o 99m	0.148

Total Length: 30.00 ft      Total Volume: 0.148 bbl

Num Fluid Samples: 0

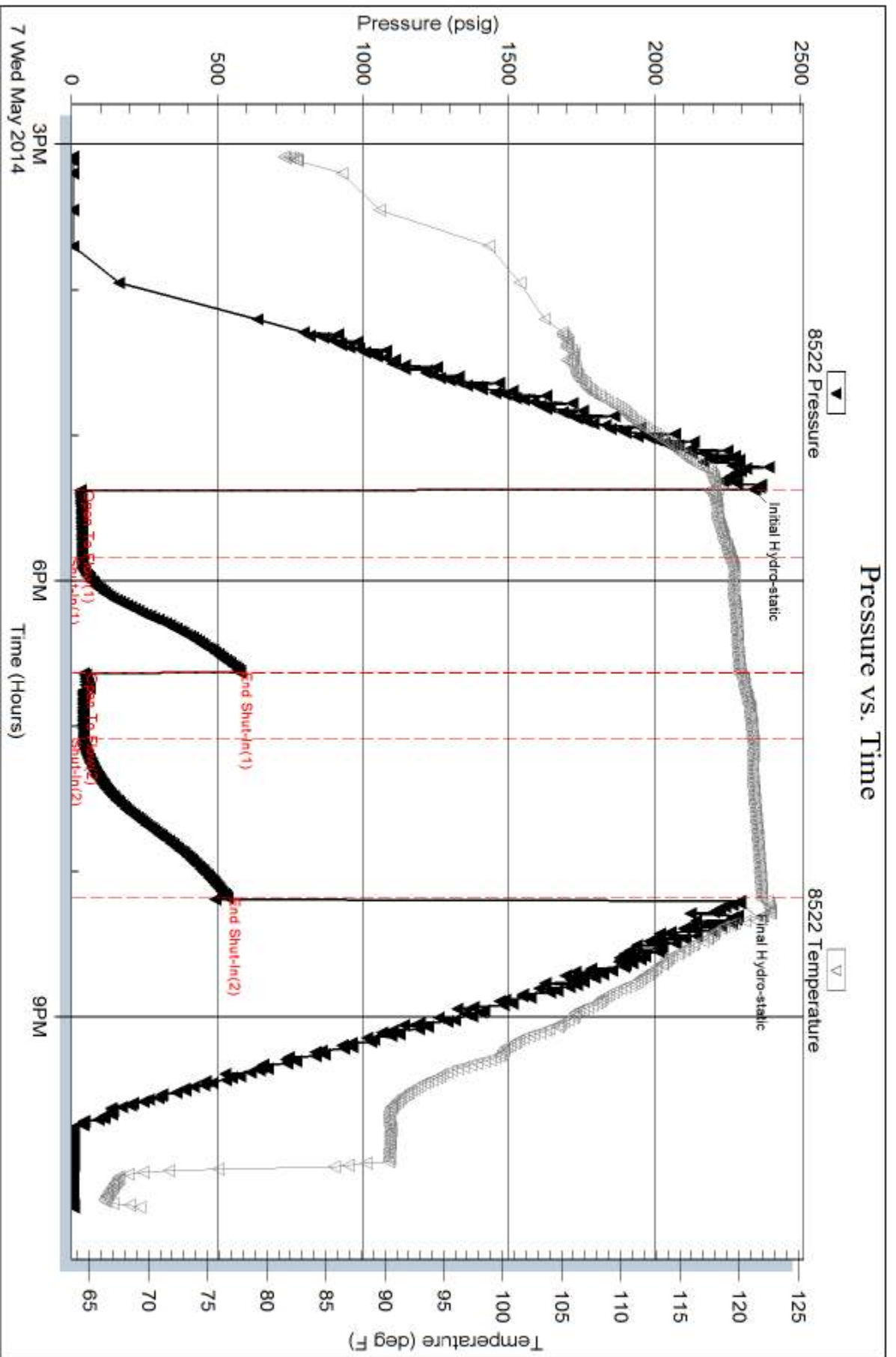
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



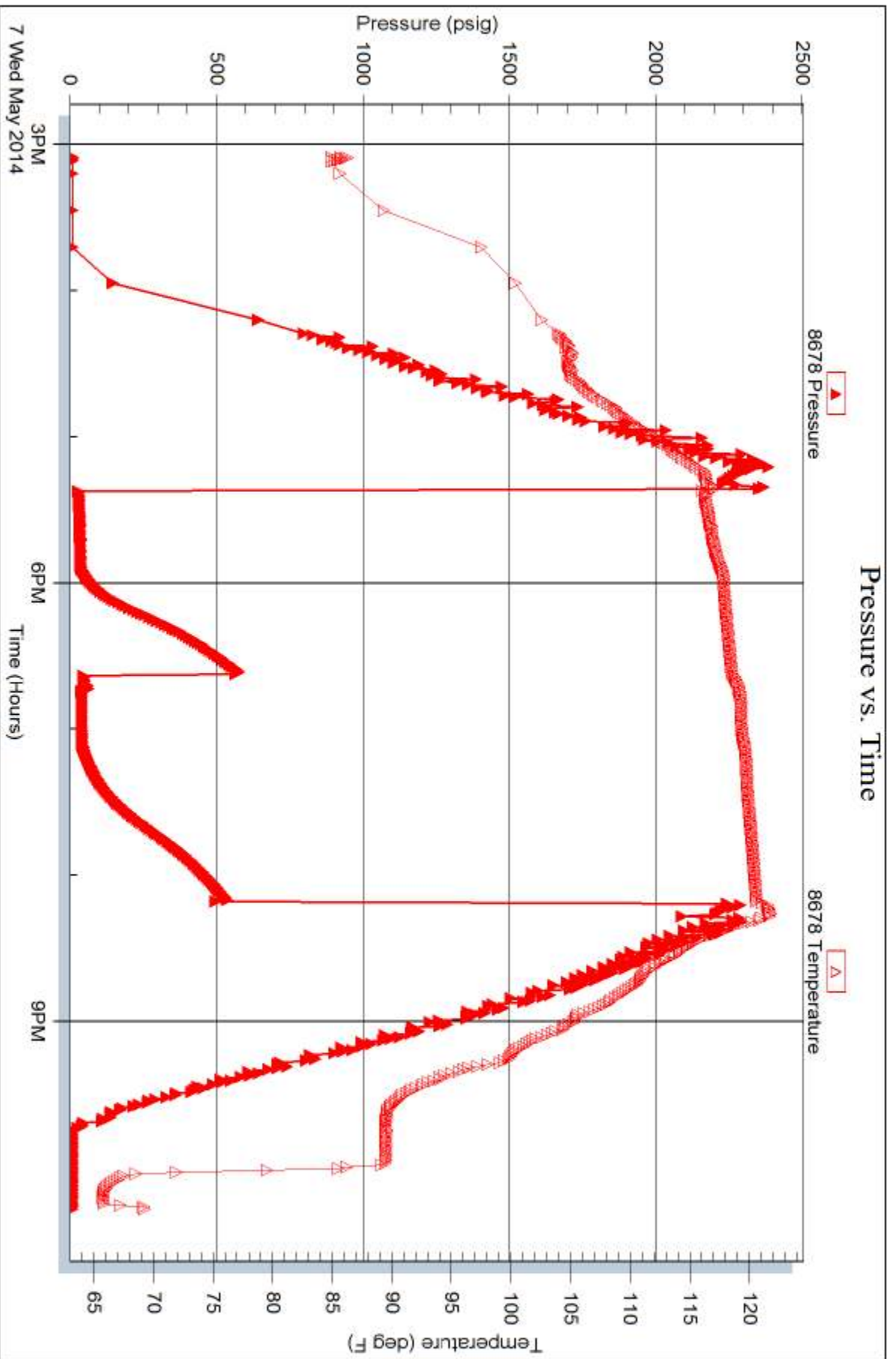
Serial #: 8678

Inside

Landmark Resources Inc.

Janzen #1-7

DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 57643

Printed: 2014.05.13 @ 09:14:27



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 56525

Well Name & No. Janzen #1-7 Test No. 1 Date 5-3-14  
 Company Landmark Resources Inc. Elevation 3098 KB ~~3087~~ 3087 GL  
 Address 1616 S. Voss Rd. Ste #600 - Houston, Tx 77057  
 Co. Rep / Geo. Wes Hansen Rig Murfin #21  
 Location: Sec. 7 Twp. 17-S Rge. 33-W Co. Scott State Ks

Interval Tested 4202-4232 Zone Tested Lansing "H"  
 Anchor Length 30' 85' Total 4232-4317 Drill Pipe Run 3920 Mud Wt. 9.2  
 Top Packer Depth 4198 Drill Collars Run 275 Vis 54  
 Bottom Packer Depth 4202 Wt. Pipe Run Ø WL 6.8  
 Total Depth 4317 Chlorides 3000 ppm System LCM #2

Blow Description IF: B.o.b. in 5min.  
ISI: B.O. in 2min. - No Return  
FF: B.o.b. in 10min.  
FSI: Bleed off in ~~10~~ 15 min - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>275</u>	<u>G+mcw</u>	<u>5</u>		<u>70</u>	<u>25</u>
<u>630</u>	<u>GW</u>	<u>5</u>		<u>95</u>	
<u>441</u>	<u>G+mcw</u>	<u>2</u>		<u>93</u>	<u>5</u>
<u>252</u>	<u>wm</u>			<u>15</u>	<u><del>85</del> 85</u>

Rec Total 1598 BHT 122 Gravity — API RW 161 @ 67 °F Chlorides 48,000 ppm

(A) Initial Hydrostatic 2099  Test 1250 T-On Location 23:10  
 (B) First Initial Flow 40  Jars 250 T-Started 23:57  
 (C) First Final Flow 377  Safety Joint 75 T-Open 02:43  
 (D) Initial Shut-In 1179  Circ Sub MLC T-Pulled 06:28  
 (E) Second Initial Flow 373  Hourly Standby ~~MLC~~ MLC T-Out 09:15  
 (F) Second Final Flow 747  Mileage 32 R-T 49.60  
 (G) Final Shut-In 1175  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic ~~2090~~ 2090  Straddle 600  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 2224.60  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 2224.60

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

Approved By Wesley Hansen Our Representative [Signature]

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





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **56526**

4/10

Well Name & No. Janzen #1-7 Test No. 2 Date 5-5-14  
 Company Landmark Resources, Inc. Elevation 3098 KB 3087 GL  
 Address 1616 S. VOSS Rd - Houston TX 77057  
 Co. Rep / Geo. Wes Hansen Rig Murfin #21  
 Location: Sec. 7 Twp. 17-S Rge. 33-W Co. Scott State Ks

Interval Tested 4412 - 4470 Zone Tested Marmaton  
 Anchor Length 58' Drill Pipe Run 4115' Mud Wt. 9.3  
 Top Packer Depth 4408 Drill Collars Run 275.00 Vis 63  
 Bottom Packer Depth 4412 Wt. Pipe Run Ø WL 80  
 Total Depth 4470 Chlorides 4,000 ppm System LCM #2

Blow Description IF 1/2 in. Blow - Died in 20 min.  
ISF. No Return  
FF. No Blow  
FSI. No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>G + o cm</u>	<u>5</u>	<u>35</u>	<u>60</u>	<u>0</u>
<u>4</u>	<u>G + m co</u>	<u>5</u>	<u>55</u>	<u>40</u>	<u>0</u>
<u>1</u>	<u>CO</u>	<u>0</u>	<u>100</u>	<u>0</u>	<u>0</u>
<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>
<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>

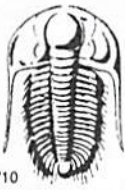
Rec Total 10' BHT 122 Gravity      API RW      @      °F Chlorides      ppm

(A) Initial Hydrostatic 2238  Test 1250 T-On Location ~~01:40~~ 01:40  
 (B) First Initial Flow 39  Jars 250 T-Started 02:11  
 (C) First Final Flow 41  Safety Joint 75 T-Open 4:30  
 (D) Initial Shut-In 1139  Circ Sub N/C T-Pulled 7:15  
 (E) Second Initial Flow 48  Hourly Standby      T-Out 9:16  
 (F) Second Final Flow 56  Mileage 49.60 Comments       
 (G) Final Shut-In 1042  Sampler       
 (H) Final Hydrostatic 2157  Straddle       Ruined Shale Packer       
 Shale Packer       Ruined Packer 6" packer  
 Extra Packer       Extra Copies       
 Extra Recorder      Sub Total 0  
 Day Standby      Total 1624.60  
 Accessibility      MP/DST Disc't     

Initial Open 30  
 Initial Shut-In 45  
 Final Flow 30  
 Final Shut-In 60  
 Sub Total 1624.60

Approved By Wesley Hansen Our Representative Calderone

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 56527

4/10

Well Name & No. Janzen #1-7 Test No. 3 Date 5-5-14  
 Company Landmark Resources Inc. Elevation 3098 KB 3087 GL  
 Address 1616 S. Voss Rd. - Houston, TX 77057 - Ste #600  
 Co. Rep / Geo. Wes Hanson Rig Murfin #21  
 Location: Sec. 7 Twp. 17-S Rge. 33-W Co. Scott State KS

Interval Tested 4468-4500 Zone Tested Altamont  
 Anchor Length 32' Drill Pipe Run 4180 Mud Wt. 9.3  
 Top Packer Depth 4464 Drill Collars Run 275' Vis 66  
 Bottom Packer Depth 4468 Wt. Pipe Run Ø WL 8.8  
 Total Depth 4500 Chlorides 5000 ppm System LCM #2

Blow Description IF: B.O.B. in 9 mins.  
ISF: Bled off in 3 min. - B.O.B. in 10 mins.  
FF: B.O.B. Immediately  
FSI: Bled off in 3 min. - B.O.B. in 30 mins.

Rec	Feet of	%gas	%oil	%water	%mud
<u>61</u>	<u>MCGO</u>	<u>15</u>	<u>75</u>	<u>10</u>	<u>0</u>
<u>498</u>	<u>CGO</u>	<u>50</u>	<u>50</u>	<u>0</u>	<u>0</u>
<u>124</u>	<u>CGO</u>	<u>30</u>	<u>70</u>	<u>0</u>	<u>0</u>
	<u>GIP = 2111</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

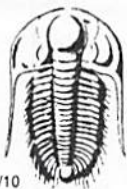
Rec Total 685 BHT 124 Gravity 31 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2301  Test 1250 T-On Location 16:55  
 (B) First Initial Flow 37  Jars 250 T-Started 17:15  
 (C) First Final Flow 139  Safety Joint 75 T-Open 19:26  
 (D) Initial Shut-In 1212  Circ Sub N/C T-Pulled 23:11  
 (E) Second Initial Flow 170  Hourly Standby \_\_\_\_\_ T-Out 02:05  
 (F) Second Final Flow 242  Mileage 49.60 Comments \_\_\_\_\_  
 (G) Final Shut-In 1216  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2193  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 45  
 Final Flow 60  
 Final Shut-In 90  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1624.60  
 Total 1624.60  
 MP/DST Disc't \_\_\_\_\_

Approved By Wesley Hanson Our Representative Celinda

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 56528

Well Name & No. Janzen #1-7 Test No. 4 Date 5-6-14  
 Company Landmark Resources, Inc Elevation 3098 KB 3087 GL  
 Address 1666 S. Voss Rd. Apt #600 - Houston TX 77057  
 Co. Rep / Geo. Wes Hansen Rig Murfin #21  
 Location: Sec. 7 Twp. 17-S Rge. 33-W Co. Scott State Ks

Interval Tested 4552-4600 Zone Tested Myrie Station - Ft. Scott  
 Anchor Length 48' Drill Pipe Run 4272 Mud Wt. 9.3  
 Top Packer Depth 4548 Drill Collars Run 275.00 Vis 58  
 Bottom Packer Depth 4552 Wt. Pipe Run Ø WL 10.0  
 Total Depth 4600 Chlorides 5000 ppm System LCM #1

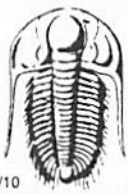
Blow Description IF: Bob. in 4 1/2 min.  
ISI: Bled off in 4 min - 4 in of Blowback - Dried in 21 min.  
FFi: Bob. in 4 1/2 min.  
FSI: Bled off in 4 min - Bob. in 20 min.

Rec	Feet of	%gas	%oil	%water	%mud
	<u>3906 GIP</u>				
Rec <del>245</del>	<u>CGO = 252'</u>	<u>30</u>	<u>70</u>		
Rec <u>245</u>	<u>CGO</u>	<u>20</u>	<u>80</u>		
Rec <u>30</u>	<u>MCGO</u>	<u>20</u>	<u>70</u>		<u>10</u>
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 527 BHT 125 Gravity 33 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2333  Test 1250 T-On Location 17:52  
 (B) First Initial Flow 44  Jars 250 T-Started 18:03  
 (C) First Final Flow 96  Safety Joint 75 T-Open ~~20:07~~ 20:07  
 (D) Initial Shut-In 1232  Circ Sub N/C T-Pulled 23:54  
 (E) Second Initial Flow 146  Hourly Standby — T-Out 02:25  
 (F) Second Final Flow 182  Mileage 49.60 Comments —  
 (G) Final Shut-In 1211  Sampler —  
 (H) Final Hydrostatic 2331  Straddle —  Ruined Shale Packer —  
 Shale Packer —  Ruined Packer 6"  
 Extra Packer —  Extra Copies —  
 Initial Open 30  Extra Recorder — Sub Total 0  
 Initial Shut-In 45  Day Standby — Total 1624.60  
 Final Flow 60  Accessibility — MP/DST Disc't —  
 Final Shut-In 90 Sub Total 1624.60

Approved By Wes Hansen Our Representative C. Anderson  
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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 57643

Well Name & No. Janzen 1-7 Test No. 5 Date 5/7/14  
 Company Landmark Resources, Inc Elevation 3098 KB 3087 GL  
 Address 1616 S. Voss Rd Ste 600 Houston, Tx 77057  
 Co. Rep / Geo. Wes Hanson Rig Morton 21  
 Location: Sec. 7 Twp. 17s Rge. 33w Co. Scott State Ks

Interval Tested 4642 - 4732 Zone Tested Johnson  
 Anchor Length 90' Drill Pipe Run 4364 Mud Wt. 9.2  
 Top Packer Depth 4637 Drill Collars Run 275 Vis 50  
 Bottom Packer Depth 4642 Wt. Pipe Run 0 WL 108  
 Total Depth 4732 Chlorides 7200 ppm System LCM 2#  
 Blow Description IP: Surface blow, died @ 25 min.  
IGI: No return.  
FF: No blow.  
FSI: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>50CM</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 30 BHT 121 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2337</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>1430</u>
(B) First Initial Flow <u>32</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1505</u>
(C) First Final Flow <u>38</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1720</u>
(D) Initial Shut-In <u>575</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>2005</u>
(E) Second Initial Flow <u>43</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>2219</u>
(F) Second Final Flow <u>43</u>	<input checked="" type="checkbox"/> Mileage <u>32 RT</u> 49.60	Comments
(G) Final Shut-In <u>531</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2293</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>1624.60</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1624.60</u>	

Approved By \_\_\_\_\_ Our Representative [Signature]

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