



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1229775  
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: \_\_\_\_\_

1229775

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: <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

<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-Baker Unit 1-11
Doc ID	1229775

All Electric Logs Run

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

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Janzen-Baker Unit 1-11
Doc ID	1229775

Tops

Name	Top	Datum
Anhydrite	2458	663
B/Anhydrite	2476	645
Topeka	3776	-655
Heebner	4013	-892
Toronto	4031	-910
Lansing	4057	-936
C	4097	-976
D	4111	-990
E	4148	-1027
F	4157	-1036
Muncie Creek	4246	-1125
H	4257	-1136
I	4295	-1174
J	4321	-1200
Stark Shale	4348	-1227
K	4363	-1242
L	4398	-1277
BKC	4432	-1311
Marmaton	4490	-1369
Altamont	4516	-1395
Pawnee	4567	-1446
Myrick Station	4604	-1483
Fort Scott	4616	-1495
Cherokee	4643	-1522

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Janzen-Baker Unit 1-11
Doc ID	1229775

Tops

Name	Top	Datum
Johnson Zone	4688	-1567
Morrow Shale	4770	-1649
Missippian	4857	-1736





# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 145499  
Invoice Date: Sep 5, 2014  
Page: 1

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

APPROVED SEP 17 2014

21890

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

Customer ID	Field Ticket #	Payment Terms	
Land	64190	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Sep 5, 2014	10/5/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Janzen Baker Unit #1-11		
300.00	CEMENT MATERIALS	60/40/4% Gel Blend	18.92	5,676.00
75.00	CEMENT MATERIALS	Flo Seal	2.75	206.25
317.20	CEMENT SERVICE	Cubic Feet Charge	2.48	786.66
605.43	CEMENT SERVICE	Ton Mileage Charge	2.75	1,664.93
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		

PP  
SEP 18 2014  
# 46794  
9,447.45

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

\$ 2,840.48

ONLY IF PAID ON OR BEFORE  
Oct 5, 2014

Subtotal	0.00	11,361.93
Sales Tax		926.00
Total Invoice Amount	12,287.93 +	12,287.93
Payment/Credit Applied	2,840.48 -	
<b>TOTAL</b>	000	<b>12,287.93</b>

9,447.45\*\*







# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 145366  
Invoice Date: Aug 27, 2014  
Page: 1

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

*PP.*  
*# 46734*  
*71730*

*SEP 10 2014*  
*64,327.06*

**APPROVED SEP 09 2014**

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

Customer ID	Field Ticket #	Payment Terms	
Land	64184	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Aug 27, 2014	9/26/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Janzen-Baker Unit #1-11		
220.00	CEMENT MATERIALS	Class A Common	17.90	3,938.00
414.00	CEMENT MATERIALS	Gel	0.50	207.00
620.00	CEMENT MATERIALS	Chloride	1.10	682.00
237.90	CEMENT SERVICE	Cubic Feet Charge	2.48	589.99
483.93	CEMENT SERVICE	Ton Mileage Charge	2.75	1,330.81
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 SUPERVISOR	Alan Ryan		
1.00	EQUIPMENT OPERATOR	Kevin Ryan		

*SEP 10 2014*

**APPROVED SEP 09 2014**

*PP.*  
*# 46734*  
*64,327.06*

Subtotal		8,804.55
Sales Tax		300
Total Invoice Amount	2,465.27	
Payment/Credit Applied	9,197.65	
<b>TOTAL</b>	000	6,732.38

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

**\$ 2,465.27**

ONLY IF PAID ON OR BEFORE  
**Sep 26, 2014**





## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources, Inc**

1616 Voss RD Ste. 600  
Houston, TX 67871

ATTN: Wes Hansen

**11-17s-34w Scott,KS**

**Janzen-Baker Unit #1-11**

Start Date: 2014.09.02 @ 03:10:00

End Date: 2014.09.02 @ 12:27:45

Job Ticket #: 57430                      DST #: 1

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

Printed: 2014.09.05 @ 13:40:13



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources, Inc

**Janzen-Baker Unit #1-11**

1616 Voss RD Ste. 600  
Houston, TX 67871

**11-17s-34w Scott,KS**

ATTN: Wes Hansen

Job Ticket: 57430

**DST#: 1**

Test Start: 2014.09.02 @ 03:10:00

## GENERAL INFORMATION:

Formation: **Marmaton - Altamont**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:23:15

Time Test Ended: 12:27:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 69

**Interval: 4488.00 ft (KB) To 4535.00 ft (KB) (TVD)**

Reference Elevations: 3121.00 ft (KB)

Total Depth: 4535.00 ft (KB) (TVD)

3110.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

**Serial #: 8365**

**Inside**

Press@RunDepth: 95.34 psig @ 4489.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.02

End Date:

2014.09.02

Last Calib.:

2014.09.02

Start Time: 03:10:05

End Time:

12:27:45

Time On Btm:

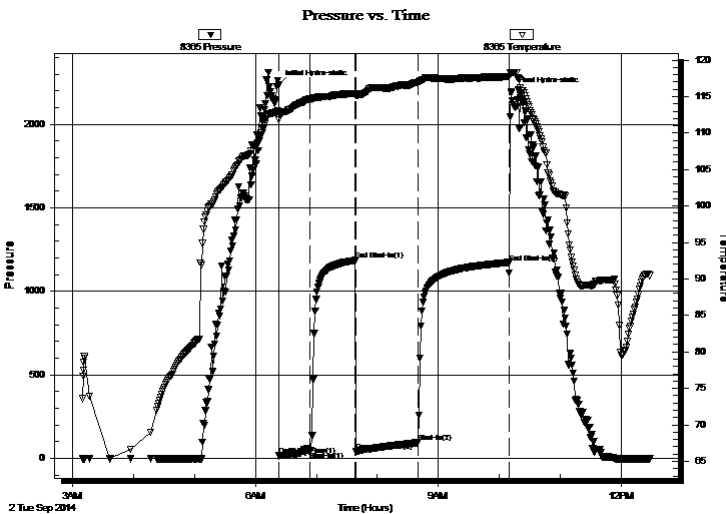
2014.09.02 @ 06:23:00

Time Off Btm:

2014.09.02 @ 10:11:15

TEST COMMENT: IF: 1/4" blow.  
IS: No return.  
FF: 1/4" blow  
FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2236.35	112.97	Initial Hydro-static
1	16.08	111.82	Open To Flow (1)
31	41.01	114.74	Shut-In(1)
76	1186.21	115.42	End Shut-In(1)
76	43.75	115.13	Open To Flow (2)
137	95.34	116.96	Shut-In(2)
227	1173.13	117.72	End Shut-In(2)
229	2196.50	118.22	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
140.00	sgocm 5g 5o 90m	0.69

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Landmark Resources, Inc

**Janzen-Baker Unit #1-11**

1616 Voss RD Ste. 600  
Houston, TX 67871

**11-17s-34w Scott,KS**

Job Ticket: 57430

**DST#: 1**

ATTN: Wes Hansen

Test Start: 2014.09.02 @ 03:10:00

## Tool Information

Drill Pipe:	Length: 3926.00 ft	Diameter: 3.80 inches	Volume: 55.07 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: 561.00 ft	Diameter: 2.25 inches	Volume: 2.76 bbl	Weight to Pull Loose: 110000.0 lb
			<u>Total Volume: 57.83 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 98000.00 lb
Depth to Top Packer:	4488.00 ft			Final 98000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	47.00 ft			
Tool Length:	74.00 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			4462.00	
Shut In Tool	5.00			4467.00	
Hydraulic tool	5.00			4472.00	
Jars	5.00			4477.00	
Safety Joint	2.00			4479.00	
Packer	5.00			4484.00	27.00 Bottom Of Top Packer
Packer	4.00			4488.00	
Stubb	1.00			4489.00	
Recorder	0.00	8365	Inside	4489.00	
Recorder	0.00	8522	Outside	4489.00	
Perforations	10.00			4499.00	
Change Over Sub	1.00			4500.00	
Drill Pipe	31.00			4531.00	
Change Over Sub	1.00			4532.00	
Bullnose	3.00			4535.00	47.00 Bottom Packers & Anchor

**Total Tool Length: 74.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Landmark Resources, Inc

**Janzen-Baker Unit #1-11**

1616 Voss RD Ste. 600  
Houston, TX 67871

**11-17s-34w Scott,KS**

Job Ticket: 57430

**DST#: 1**

ATTN: Wes Hansen

Test Start: 2014.09.02 @ 03:10:00

## 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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
140.00	sgocm 5g 5o 90m	0.688

Total Length: 140.00 ft      Total Volume: 0.688 bbl

Num Fluid Samples: 0

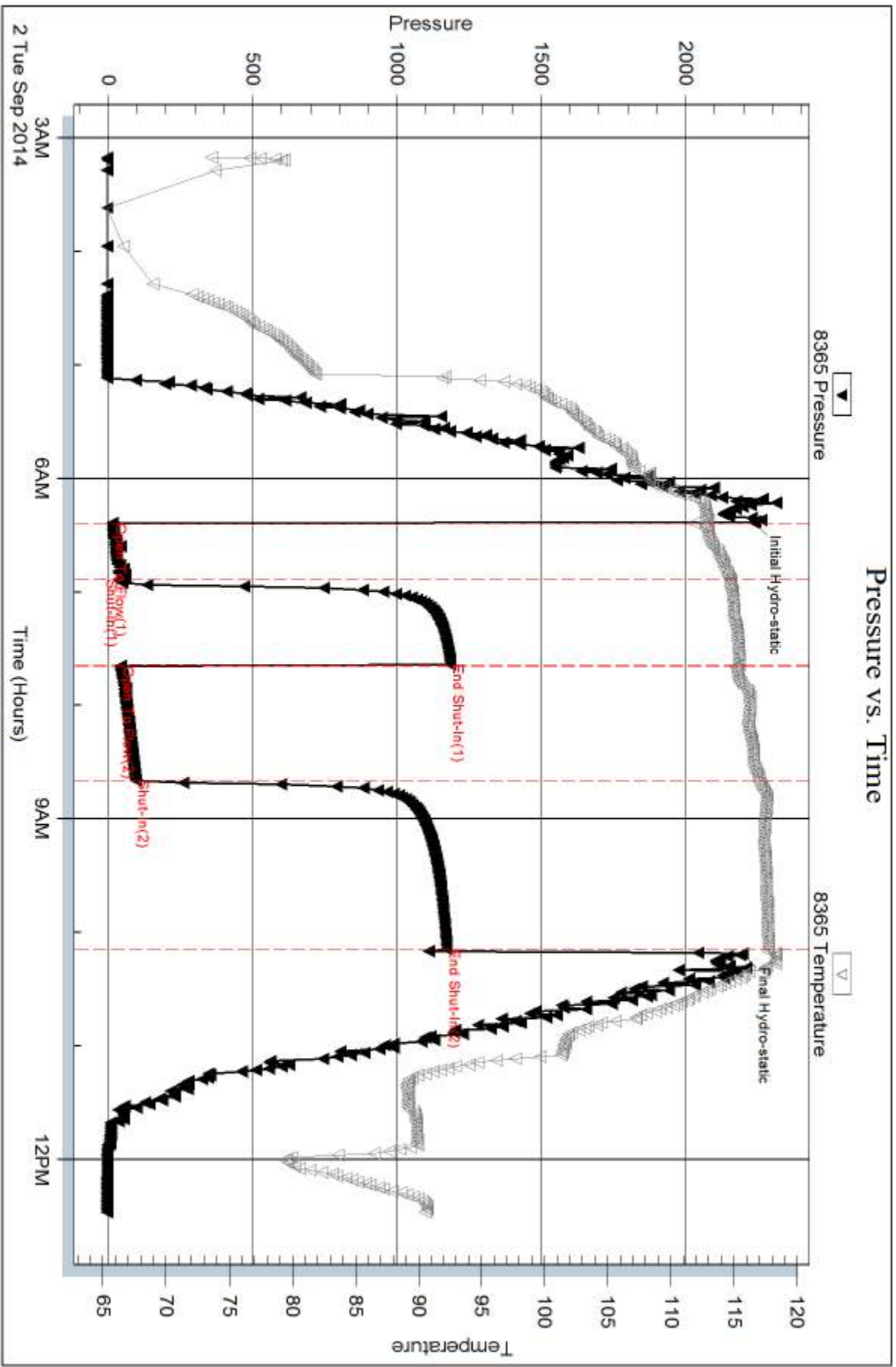
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



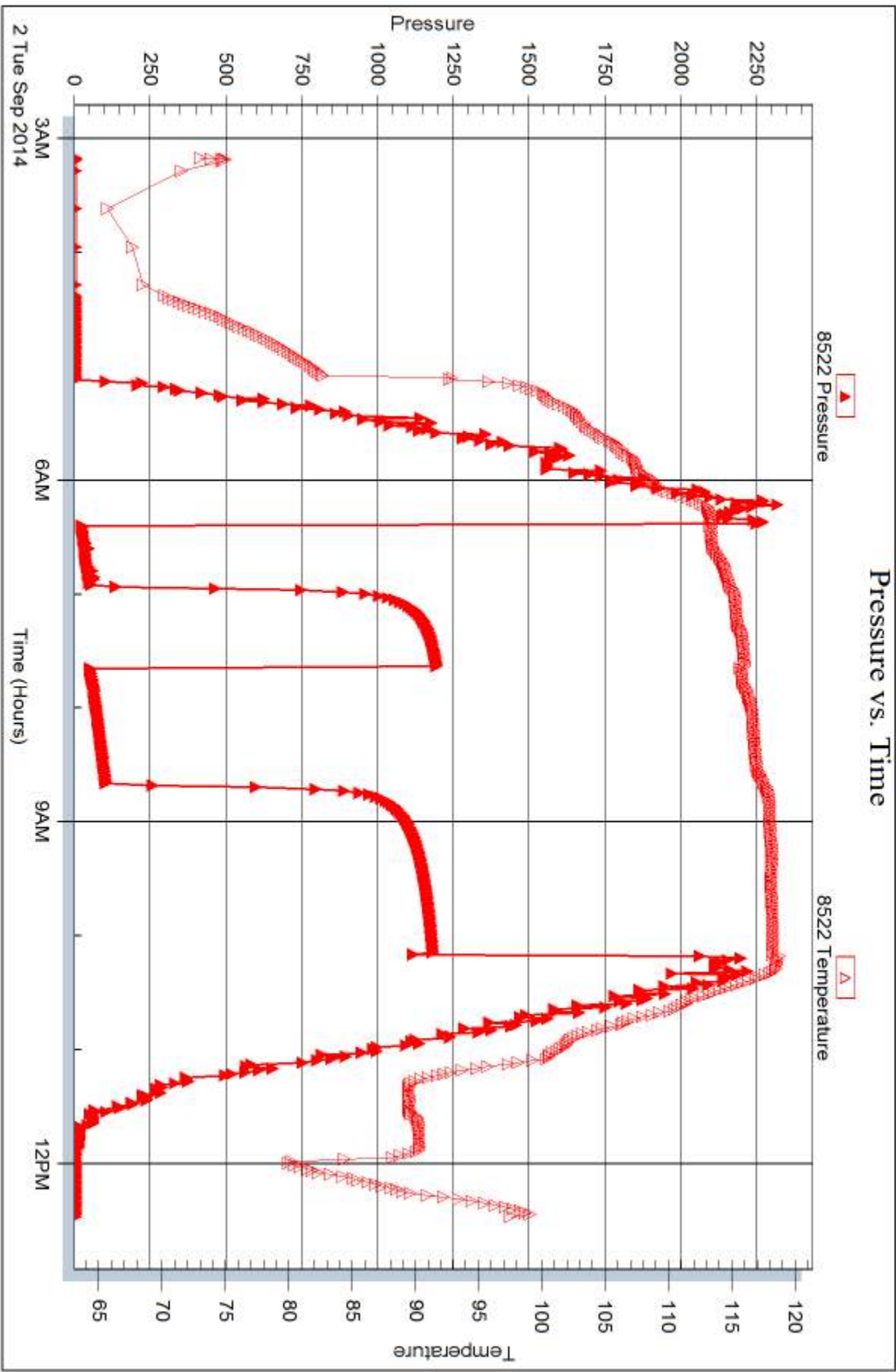


Serial #: 8522

Outside Landmark Resources, Inc

11-17s-34w Scott KS

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources, Inc**

1616 Voss RD Ste. 600  
Houston, TX 67871

ATTN: Wes Hansen

**11-17s-34w Scott,KS**

**Janzen-Baker Unit #1-11**

Start Date: 2014.09.03 @ 18:24:00

End Date: 2014.09.04 @ 03:09:00

Job Ticket #: 57431                      DST #: 2

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

Printed: 2014.09.05 @ 13:39:30

Landmark Resources, Inc

Janzen-Baker Unit #1-11

11-17s-34w Scott,KS

DST # 2

Johnson

2014.09.03



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources, Inc

**Janzen-Baker Unit #1-11**

1616 Voss RD Ste. 600  
Houston, TX 67871

**11-17s-34w Scott,KS**

ATTN: Wes Hansen

Job Ticket: 57431

**DST#: 2**

Test Start: 2014.09.03 @ 18:24:00

## GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:14:30

Time Test Ended: 03:09:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

**Interval: 4726.00 ft (KB) To 4770.00 ft (KB) (TVD)**

Reference Elevations: 3121.00 ft (KB)

Total Depth: 4770.00 ft (KB) (TVD)

3110.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

**Serial #: 8365**

**Inside**

Press@RunDepth: 46.03 psig @ 4727.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.03

End Date:

2014.09.04

Last Calib.: 2014.09.04

Start Time: 18:24:05

End Time:

03:09:00

Time On Btm: 2014.09.03 @ 21:14:15

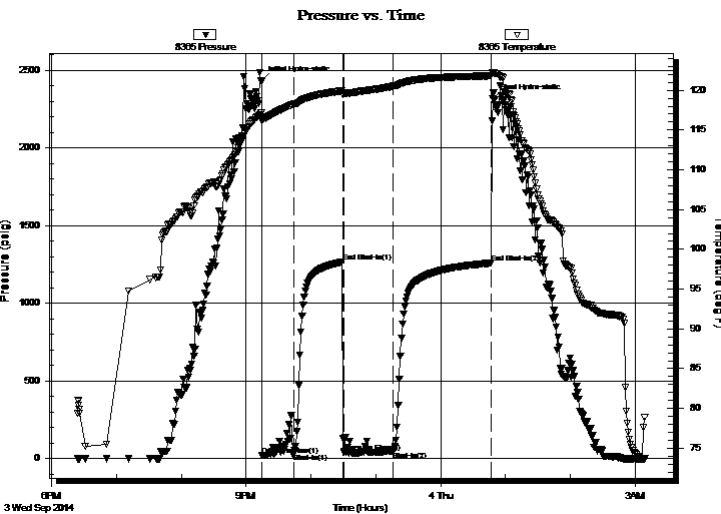
Time Off Btm: 2014.09.04 @ 00:48:15

TEST COMMENT: IF: Surface blow , Died @ 20 min.

IS: No return.

FF: No blow .

FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2431.31	117.17	Initial Hydro-static
1	18.87	116.12	Open To Flow (1)
31	35.15	118.25	Shut-In(1)
75	1266.21	119.93	End Shut-In(1)
76	38.89	119.55	Open To Flow (2)
122	46.03	120.51	Shut-In(2)
213	1258.52	121.83	End Shut-In(2)
214	2317.83	122.25	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud 100m (oil spots in tool)	0.15

## 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

**Janzen-Baker Unit #1-11**

1616 Voss RD Ste. 600  
Houston, TX 67871

**11-17s-34w Scott,KS**

Job Ticket: 57431

**DST#: 2**

ATTN: Wes Hansen

Test Start: 2014.09.03 @ 18:24:00

## Tool Information

Drill Pipe:	Length: 4145.00 ft	Diameter: 3.80 inches	Volume: 58.14 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: 561.00 ft	Diameter: 2.25 inches	Volume: 2.76 bbl	Weight to Pull Loose: 110000.0 lb
			<u>Total Volume: 60.90 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 98000.00 lb
Depth to Top Packer:	4726.00 ft			Final 98000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	71.00 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			4700.00	
Shut In Tool	5.00			4705.00	
Hydraulic tool	5.00			4710.00	
Jars	5.00			4715.00	
Safety Joint	2.00			4717.00	
Packer	5.00			4722.00	27.00 Bottom Of Top Packer
Packer	4.00			4726.00	
Stubb	1.00			4727.00	
Recorder	0.00	8365	Inside	4727.00	
Recorder	0.00	8522	Outside	4727.00	
Perforations	7.00			4734.00	
Change Over Sub	1.00			4735.00	
Drill Pipe	31.00			4766.00	
Change Over Sub	1.00			4767.00	
Bullnose	3.00			4770.00	44.00 Bottom Packers & Anchor

**Total Tool Length: 71.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Landmark Resources, Inc

**Janzen-Baker Unit #1-11**

1616 Voss RD Ste. 600  
Houston, TX 67871

**11-17s-34w Scott,KS**

Job Ticket: 57431

**DST#: 2**

ATTN: Wes Hansen

Test Start: 2014.09.03 @ 18:24:00

## 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: 7.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Mud 100m (oil spots in tool)	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:

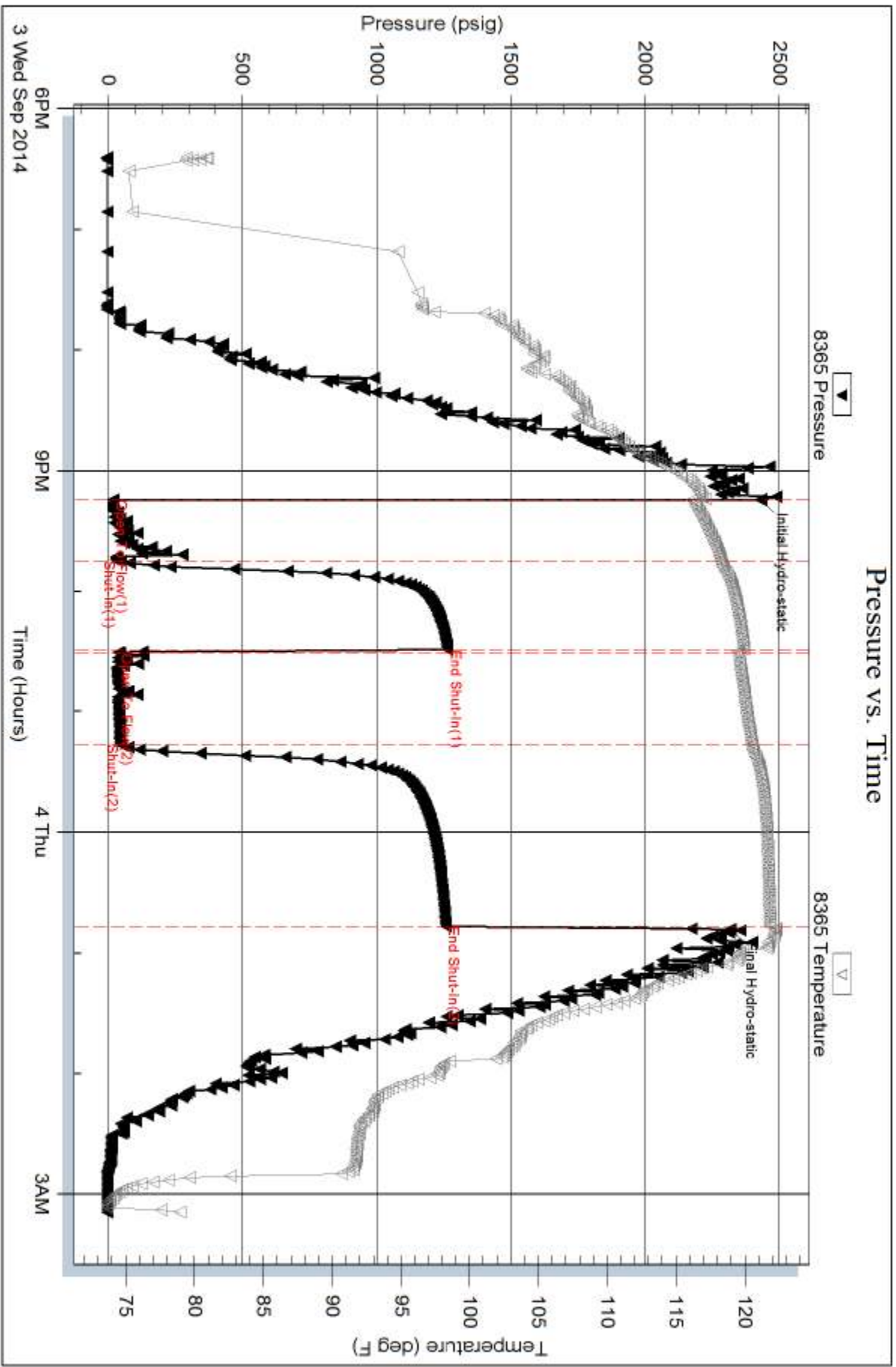
Serial #: 8365

Inside

Landmark Resources, Inc

11-17s-34w Scott, KS

DST Test Number: 2

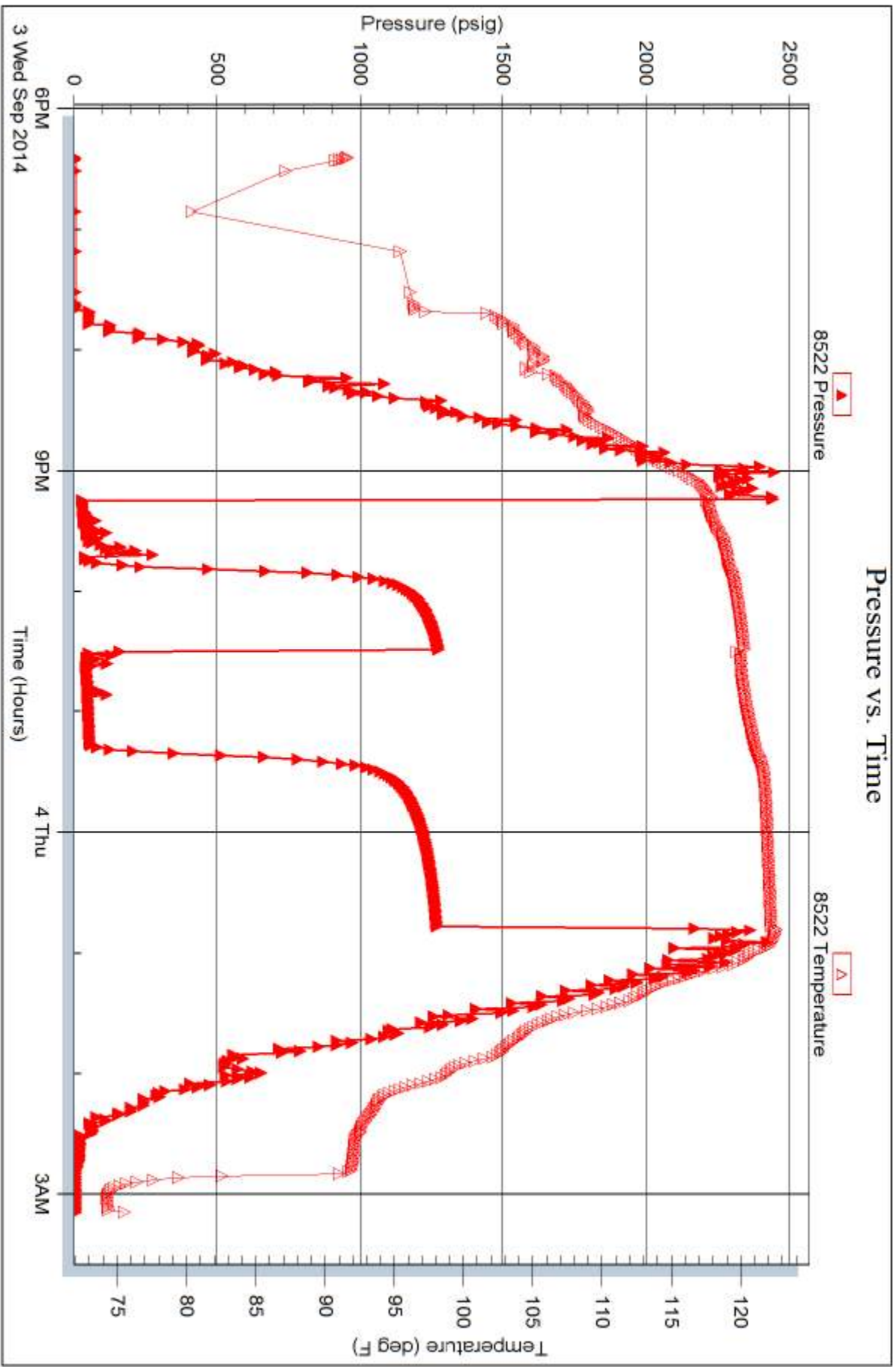


Serial #: 8522

Outside Landmark Resources, Inc

11-17s-34w Scott KS

DST Test Number: 2

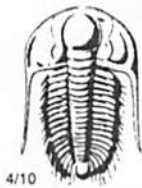


Triobite Testing, Inc

Ref. No: 57431

Printed: 2014.09.05 @ 13:39:31





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 57430

Well Name & No. Janzen-Baker Unit # 1-11 Test No. 1 Date 9/02/14  
 Company Landmark Resources, Inc Elevation 3121 KB 310 GL  
 Address 1616 Voss Rd Ste. 600 Houston, Tx 77057  
 Co. Rep / Geo. Wes Hansen Rig Martin 4  
 Location: Sec. 11 Twp. 17S Rge. 34W Co. Scott State KS

Interval Tested 4488 4535 Zone Tested Marmaton - Altamont  
 Anchor Length 47 Drill Pipe Run 4926 Mud Wt. 9.0  
 Top Packer Depth 4483 Drill Collars Run 561 Vis 52  
 Bottom Packer Depth 4488 Wt. Pipe Run 0 WL 6.6  
 Total Depth 4535 Chlorides 3600 ppm System LCM 8#  
 Blow Description IF! 1/4" blow  
IGI! No return.  
FF! 1/4" blow  
FSE! No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>140</u>	<u>Spoon</u>	<u>5</u>	<u>5</u>	<u>90</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 140 BHT 118 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2230  Test 1250 T-On Location 0230  
 (B) First Initial Flow 16  Jars 250 T-Started 0310  
 (C) First Final Flow 41  Safety Joint 75 T-Open 0647  
 (D) Initial Shut-In 1186  Circ Sub \_\_\_\_\_ T-Pulled 1002  
 (E) Second Initial Flow 44  Hourly Standby \_\_\_\_\_ T-Out 1227  
 (F) Second Final Flow 95  Mileage 40RT 62 Comments \_\_\_\_\_  
 (G) Final Shut-In 1173  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2197  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1787  
 Accessibility 150 MP/DST Disc't \_\_\_\_\_  
 Sub Total 1787

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. 57431

Well Name & No. Janzen-Baker Unit #1-11 Test No. 2 Date 9/04/14  
 Company Landmark Resources, Inc Elevation 3121 KB 3110 GL  
 Address 1616 Voss Rd Ste 600 Houston, Tx 77057  
 Co. Rep / Geo. Wes Hansen Rig Mudwin 4  
 Location: Sec. 11 Twp. 17s Rge. 34w Co. Scott State KS

Interval Tested 4726 - 4770 Zone Tested Johnson  
 Anchor Length 44 Drill Pipe Run 4145 Mud Wt. 8.9  
 Top Packer Depth 4721 Drill Collars Run 561 Vis 55  
 Bottom Packer Depth 4726 Wt. Pipe Run 0 WL 7.2  
 Total Depth 4770 Chlorides 5,000 ppm System LCM 8#  
 Blow Description IF: Surface blow died @ 20 min.  
ISI: No return  
FF: No blow.  
FSI: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>MUD</u>				
	<u>(OIL SPOTS IN TOOL)</u>				

Rec Total 30 BHT 121 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>2431</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>1800</u>
(B) First Initial Flow <u>19</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1824</u>
(C) First Final Flow <u>35</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>2115</u>
(D) Initial Shut-In <u>1266</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>0045 9/04</u>
(E) Second Initial Flow <u>39</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0309</u>
(F) Second Final Flow <u>46</u>	<input checked="" type="checkbox"/> Mileage <u>40 RT x 2 62+62</u>	Comments <u>P/O Tool @ 1600 9/04</u>
(G) Final Shut-In <u>1259</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2318</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>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>183.33</u>
Final Flow <u>45</u>	<input type="checkbox"/> Day Standby <u>1d 5.5h</u>	Total <u>2032.33</u>
Final Shut-In <u>90</u>	<input checked="" type="checkbox"/> Accessibility <u>150</u>	MP/DST Disc't
	Sub Total <u>1849</u>	

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

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