



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1214908  
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: \_\_\_\_\_

1214908

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

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

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

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

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

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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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 Unit 1-1
Doc ID	1214908

All Electric Logs Run

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

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Janzen Unit 1-1
Doc ID	1214908

Tops

Name	Top	Datum
Anhydrite	2422	680
B/Anhydrite	2441	661
Topeka	3737	-635
Heebner	3976	-874
Toronto	3995	-893
Lansing	4020	-918
C	4059	-957
D	4072	-970
E	4114	-1012
F	4130	-1028
Muncie Creek	4197	-1095
H	4210	-1108
I	4239	-1137
J	4273	-1171
Stark Shale	4297	-1195
K	4306	-1204
L	4356	-1254
BKC	4386	-1284
Marmaton	4438	-1336
Altamont	4476	-1374
Pawnee	4520	-1418
Myrick Station	4557	-1455
Fort Scott	4572	-1470
Cherokee	4600	-1498

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Janzen Unit 1-1
Doc ID	1214908

Tops

Name	Top	Datum
Johnson	4641	-1539
Up Morrow Sd	4750	-1648
Missippian	4761	-1659





## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources, Inc**

1616 S Voss Rd. STE 600  
Houston TX 77057

ATTN: Terry McLeod

### **Janzen Unit #1**

#### **1-17s-34w Scott,KS**

Start Date: 2014.05.26 @ 16:13:15

End Date: 2014.05.26 @ 23:48:30

Job Ticket #: 57657                      DST #: 1

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

Printed: 2014.05.30 @ 12:02:56



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources, Inc

**1-17s-34w Scott,KS**

1616 S Voss Rd. STE 600  
Houston TX 77057

**Janzen Unit #1**

Job Ticket: 57657

**DST#: 1**

ATTN: Terry McLeod

Test Start: 2014.05.26 @ 16:13:15

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:18:15

Time Test Ended: 23:48:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 65

**Interval: 4399.00 ft (KB) To 4460.00 ft (KB) (TVD)**

Reference Elevations: 3102.00 ft (KB)

Total Depth: 4460.00 ft (KB) (TVD)

3091.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

**Serial #: 8846 Inside**

Press@RunDepth: 61.79 psig @ 4402.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.26

End Date: 2014.05.26

Last Calib.: 2014.05.27

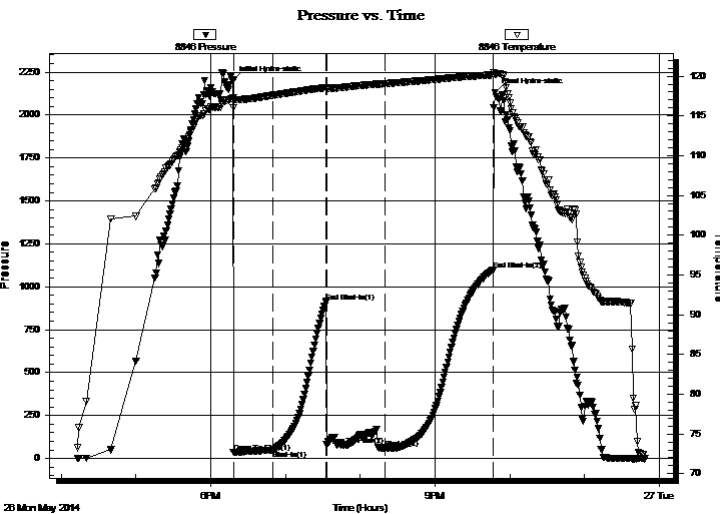
Start Time: 16:13:15

End Time: 23:48:30

Time On Btm: 2014.05.26 @ 18:18:00

Time Off Btm: 2014.05.26 @ 21:48:00

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



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2201.22	117.23	Initial Hydro-static
1	34.18	116.07	Open To Flow (1)
32	48.74	117.57	Shut-In(1)
75	914.01	118.56	End Shut-In(1)
75	78.98	118.41	Open To Flow (2)
122	61.79	119.05	Shut-In(2)
209	1097.86	120.16	End Shut-In(2)
210	2131.28	120.23	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	ocm 2%o 98%o	0.30
2.00	free oil 100%o	0.01

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Landmark Resources, Inc

**1-17s-34w Scott,KS**

1616 S Voss Rd. STE 600  
Houston TX 77057

**Janzen Unit #1**

Job Ticket: 57657

**DST#: 1**

ATTN: Terry McLeod

Test Start: 2014.05.26 @ 16:13:15

## Tool Information

Drill Pipe:	Length: 4156.00 ft	Diameter: 3.80 inches	Volume: 58.30 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 249.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 59.52 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4399.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	61.00 ft			
Tool Length:	80.00 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			4381.00	
Shut In Tool	5.00			4386.00	
Hydraulic tool	5.00			4391.00	
Safety Joint	3.00			4394.00	
Packer	5.00			4399.00	19.00 Bottom Of Top Packer
Packer - Shale	0.00			4399.00	
Stubb	1.00			4400.00	
Perforations	2.00			4402.00	
Recorder	0.00	8846	Inside	4402.00	
Recorder	0.00	8737	Outside	4402.00	
Change Over Sub	1.00			4403.00	
Blank Spacing	31.00			4434.00	
Change Over Sub	1.00			4435.00	
Perforations	20.00			4455.00	
Bullnose	5.00			4460.00	61.00 Anchor Tool

**Total Tool Length: 80.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Landmark Resources, Inc

**1-17s-34w Scott,KS**

1616 S Voss Rd. STE 600  
Houston TX 77057

**Janzen Unit #1**

Job Ticket: 57657

**DST#: 1**

ATTN: Terry McLeod

Test Start: 2014.05.26 @ 16:13:15

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.94 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 bbl
60.00	ocm 2%o 98%m	0.295
2.00	free oil 100%o	0.010

Total Length: 62.00 ft      Total Volume: 0.305 bbl

Num Fluid Samples: 0

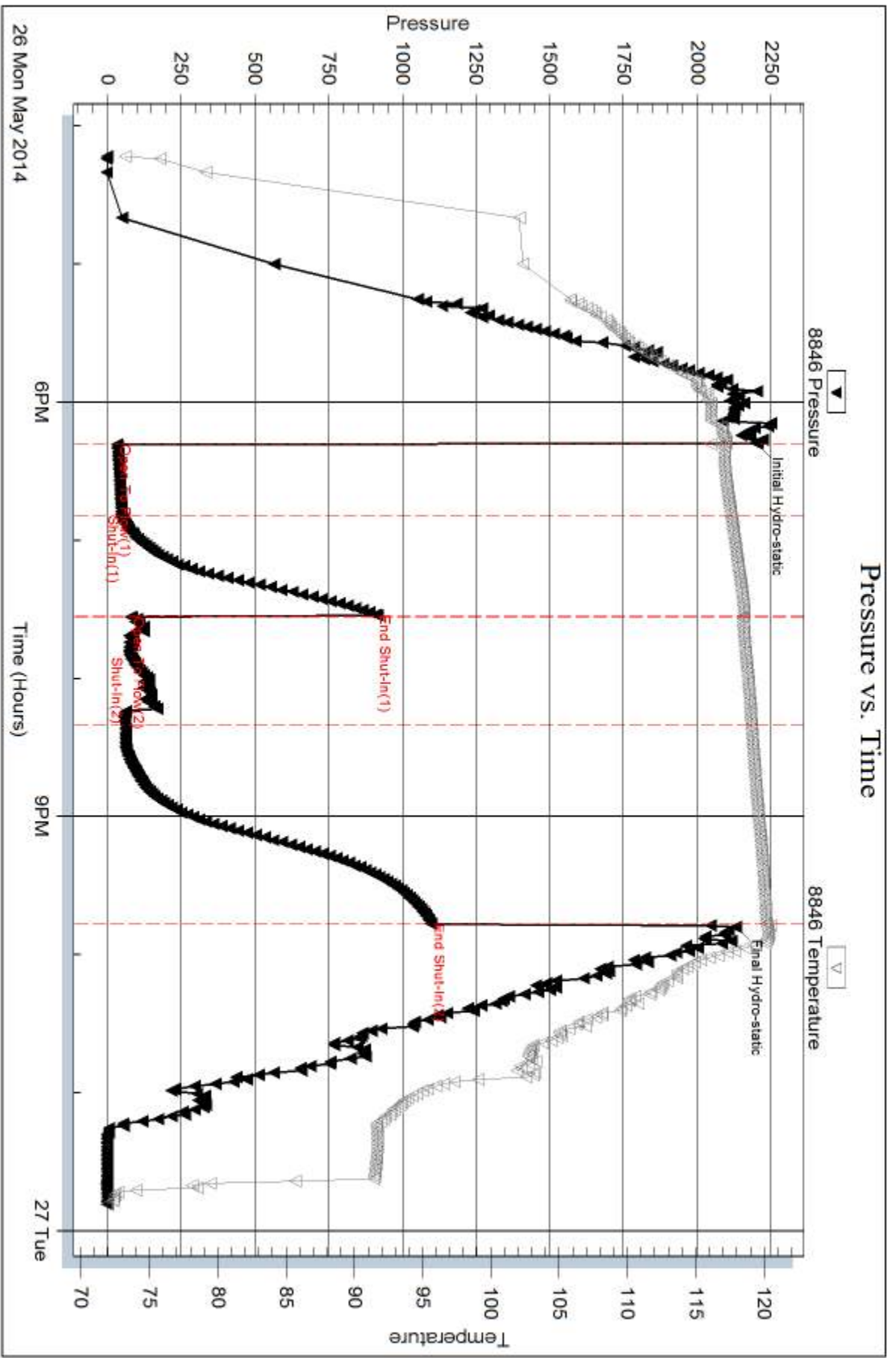
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API 34 @ 70 corrected to 33 @ 60

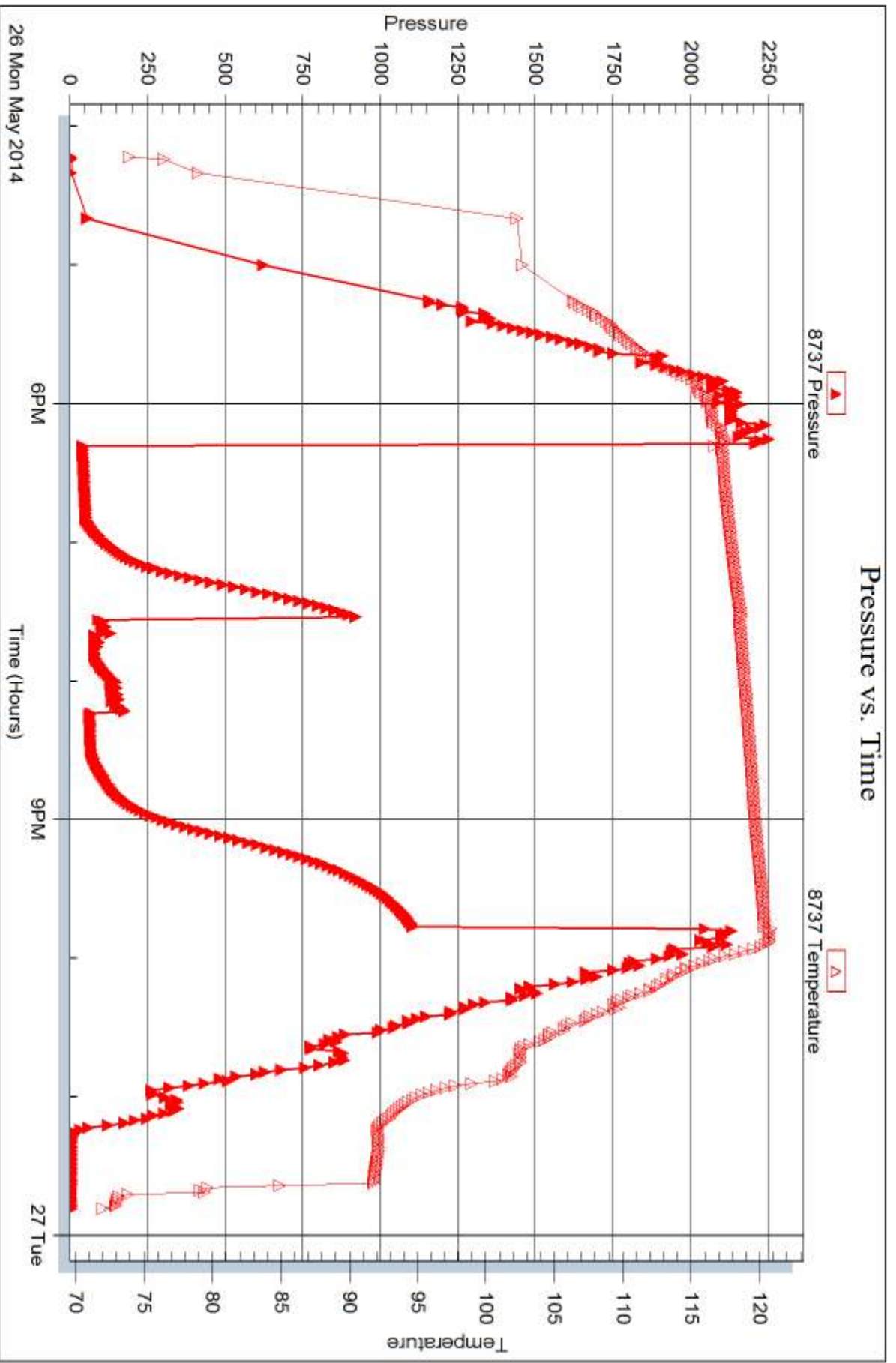


Serial #: 8737

Outside Landmark Resources, Inc

Janzen Unit #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 57657

Printed: 2014.05.30 @ 12:02:57



## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources, Inc**

1616 S Voss Rd. STE 600  
Houston TX 77057

ATTN: Terry McLeod

### **Janzen Unit #1**

#### **1-17s-34w Scott,KS**

Start Date: 2014.05.27 @ 09:00:15

End Date: 2014.05.27 @ 16:02:45

Job Ticket #: 57658                      DST #: 2

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

Printed: 2014.05.30 @ 12:02:32



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources, Inc

**1-17s-34w Scott,KS**

1616 S Voss Rd. STE 600  
Houston TX 77057

**Janzen Unit #1**

Job Ticket: 57658

**DST#: 2**

ATTN: Terry McLeod

Test Start: 2014.05.27 @ 09:00:15

## GENERAL INFORMATION:

Formation: **Altamont**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:56:45

Time Test Ended: 16:02:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

**Interval: 4455.00 ft (KB) To 4515.00 ft (KB) (TVD)**

Reference Elevations: 3102.00 ft (KB)

Total Depth: 4515.00 ft (KB) (TVD)

3091.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

**Serial #: 8846**

**Inside**

Press@RunDepth: 36.24 psig @ 4457.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.27

End Date:

2014.05.27

Last Calib.:

2014.05.27

Start Time: 09:00:15

End Time:

16:02:45

Time On Btm:

2014.05.27 @ 10:56:30

Time Off Btm:

2014.05.27 @ 13:55:15

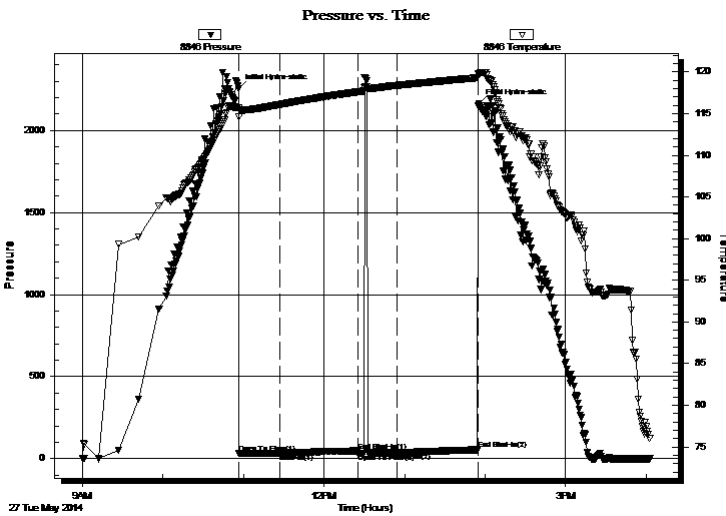
**TEST COMMENT:** IF: Built to weak surface blow and died in 5 minutes

IS: No return blow

FF: No blow ----- flushed tool ----- no blow

FS: No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2255.13	115.67	Initial Hydro-static
1	30.94	114.65	Open To Flow (1)
31	31.70	116.09	Shut-In(1)
89	47.38	117.61	End Shut-In(1)
89	32.16	117.61	Open To Flow (2)
118	36.24	118.39	Shut-In(2)
178	54.46	119.31	End Shut-In(2)
179	2161.76	119.70	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100% m	0.02

\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Landmark Resources, Inc

**1-17s-34w Scott,KS**

1616 S Voss Rd. STE 600  
Houston TX 77057

**Janzen Unit #1**

Job Ticket: 57658

**DST#: 2**

ATTN: Terry McLeod

Test Start: 2014.05.27 @ 09:00:15

## Tool Information

Drill Pipe:	Length: 4213.00 ft	Diameter: 3.80 inches	Volume: 59.10 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 249.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 60.32 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4455.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	84.00 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			4432.00	
Shut In Tool	5.00			4437.00	
Hydraulic tool	5.00			4442.00	
Jars	5.00			4447.00	
Safety Joint	3.00			4450.00	
Packer	5.00			4455.00	24.00 Bottom Of Top Packer
Packer - Shale	0.00			4455.00	
Stubb	1.00			4456.00	
Perforations	1.00			4457.00	
Recorder	0.00	8846	Inside	4457.00	
Recorder	0.00	8737	Outside	4457.00	
Change Over Sub	1.00			4458.00	
Blank Spacing	31.00			4489.00	
Change Over Sub	1.00			4490.00	
Perforations	20.00			4510.00	
Bullnose	5.00			4515.00	60.00 Anchor Tool
<b>Total Tool Length:</b>	<b>84.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Landmark Resources, Inc

**1-17s-34w Scott,KS**

1616 S Voss Rd. STE 600  
Houston TX 77057

**Janzen Unit #1**

Job Ticket: 57658

**DST#: 2**

ATTN: Terry McLeod

Test Start: 2014.05.27 @ 09:00:15

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.96 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 bbl
5.00	mud 100% m	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

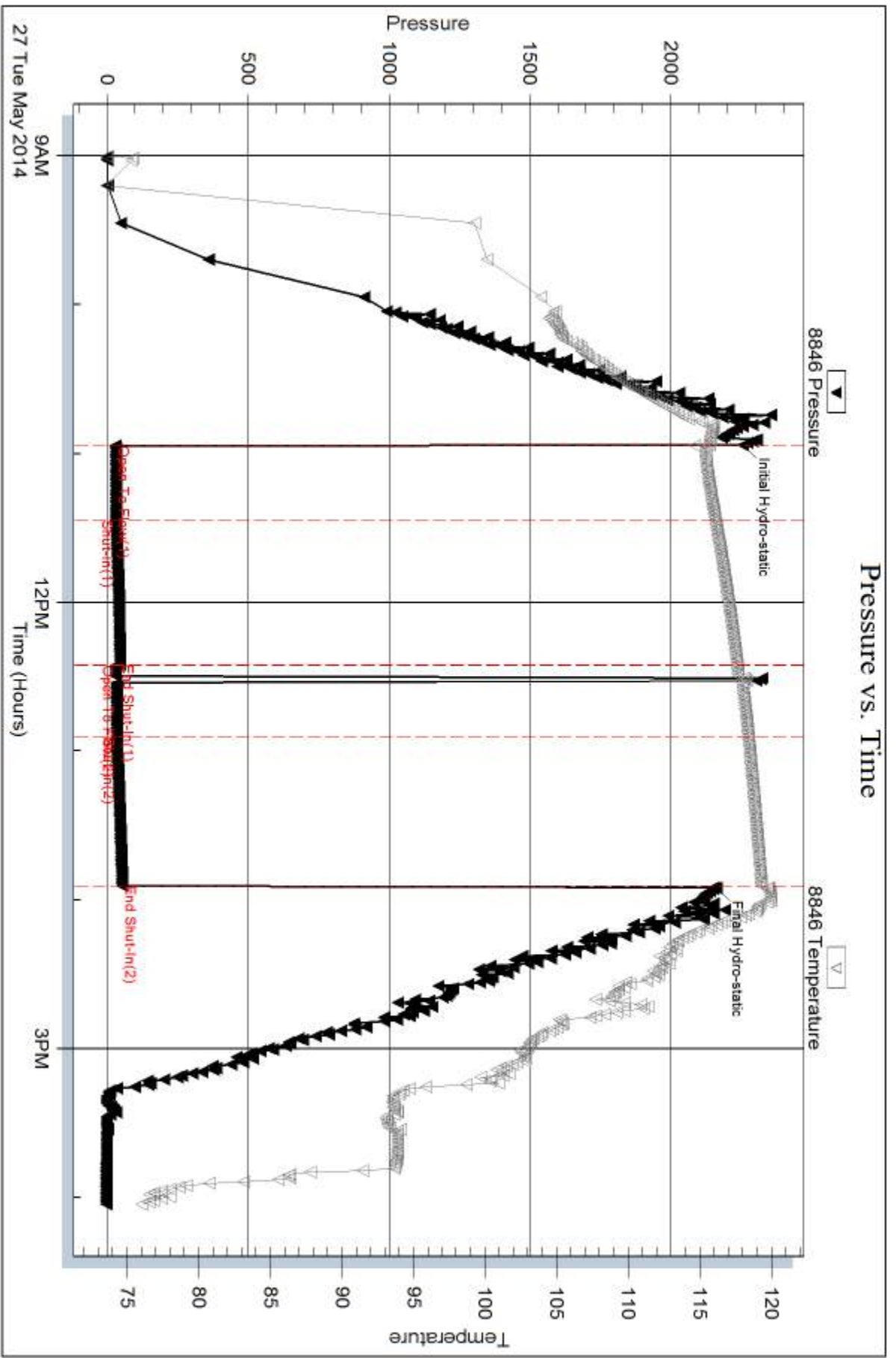
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

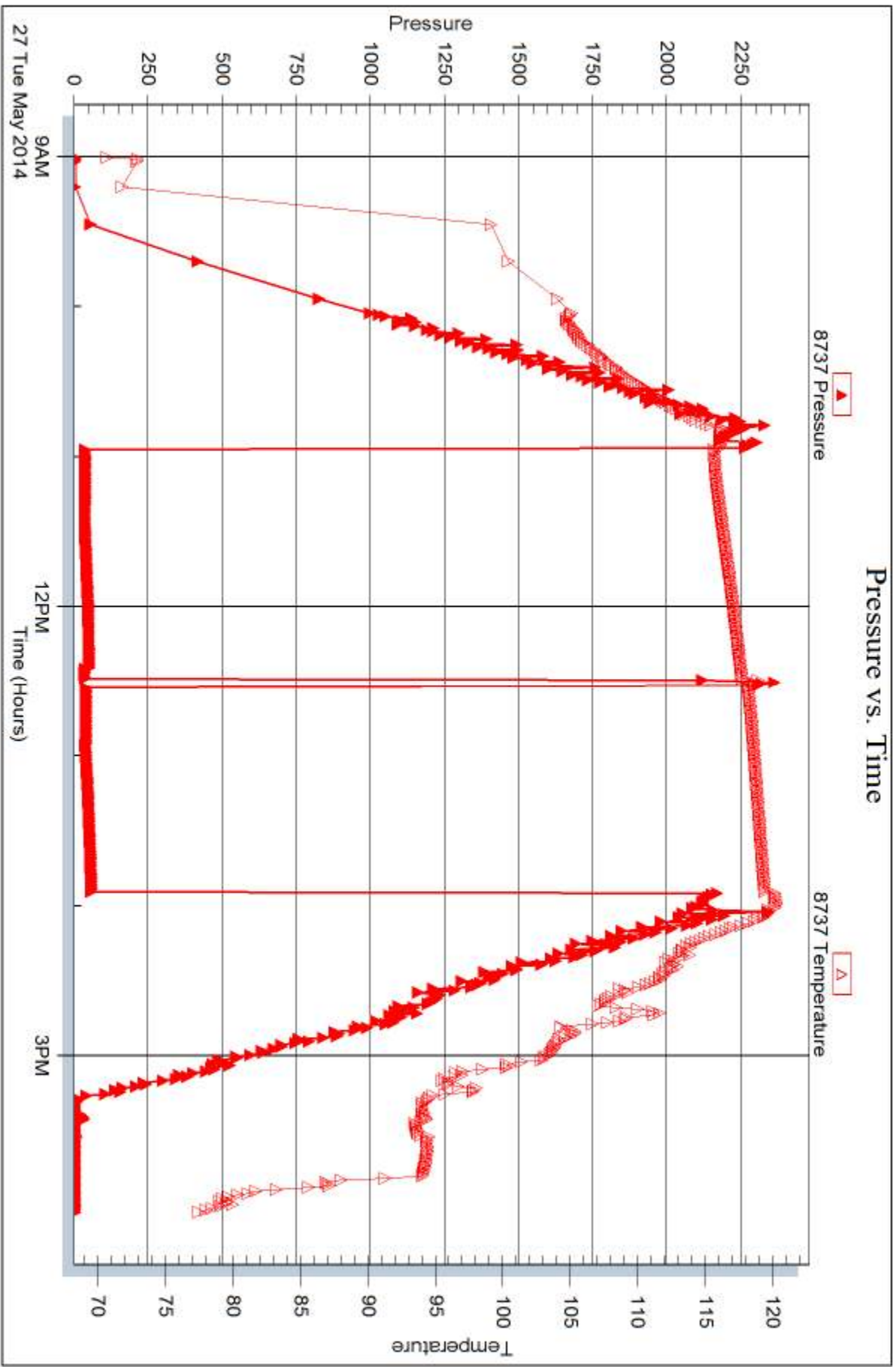


Serial #: 8737

Outside Landmark Resources, Inc

Janzen Unit #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 57658

Printed: 2014.05.30 @ 12:02:33



## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources, Inc**

1616 S Voss Rd. STE 600  
Houston TX 77057

ATTN: Terry McLeod

### **Janzen Unit #1**

#### **1-17s-34w Scott,KS**

Start Date: 2014.05.28 @ 04:20:15

End Date: 2014.05.28 @ 12:02:30

Job Ticket #: 57659                      DST #: 3

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

Printed: 2014.05.30 @ 12:02:09



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources, Inc

**1-17s-34w Scott,KS**

1616 S Voss Rd. STE 600  
Houston TX 77057

**Janzen Unit #1**

Job Ticket: 57659

**DST#: 3**

ATTN: Terry McLeod

Test Start: 2014.05.28 @ 04:20:15

## GENERAL INFORMATION:

Formation: **Myrick- Ft.Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:26:00

Time Test Ended: 12:02:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

**Interval: 4543.00 ft (KB) To 4597.00 ft (KB) (TVD)**

Total Depth: 4597.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3102.00 ft (KB)

3091.00 ft (CF)

KB to GR/CF: 11.00 ft

**Serial #: 8846**

**Inside**

Press@RunDepth: 87.72 psig @ 4545.00 ft (KB)

Start Date: 2014.05.28

End Date:

2014.05.28

Start Time: 04:20:15

End Time:

12:02:30

Capacity: 8000.00 psig

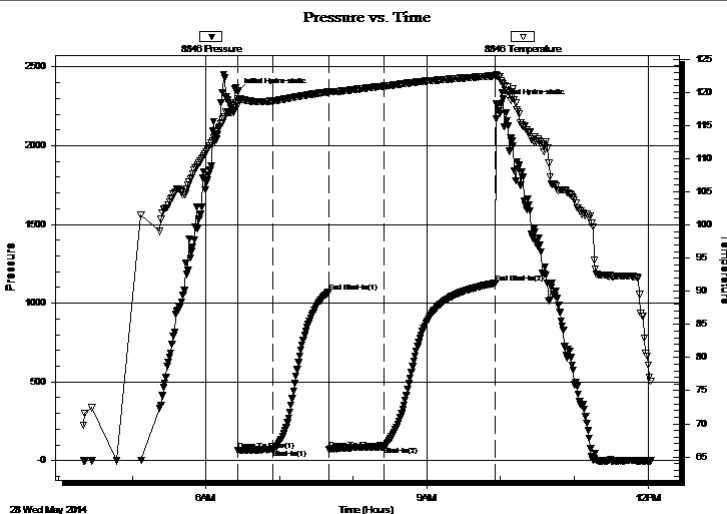
Last Calib.: 2014.05.28

Time On Btm: 2014.05.28 @ 06:25:45

Time Off Btm: 2014.05.28 @ 09:56:45

TEST COMMENT: IF:Built to 5" blow  
IS:No return blow  
FF:Built to 7" blow  
FS:No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2340.26	118.51	Initial Hydro-static
1	61.95	118.05	Open To Flow (1)
29	70.67	118.72	Shut-In(1)
74	1072.11	120.06	End Shut-In(1)
75	72.28	119.86	Open To Flow (2)
120	87.72	120.94	Shut-In(2)
210	1126.27	122.50	End Shut-In(2)
211	2267.85	122.50	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	ocgm 10%o 40%g 50%m	0.30
60.00	ocgm 2%o 3%g 95%m	0.30
0.00	GIP= 240 ft	0.00

## Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Landmark Resources, Inc

**1-17s-34w Scott,KS**

1616 S Voss Rd. STE 600  
Houston TX 77057

**Janzen Unit #1**

Job Ticket: 57659

**DST#: 3**

ATTN: Terry McLeod

Test Start: 2014.05.28 @ 04:20:15

## Tool Information

Drill Pipe:	Length: 4275.00 ft	Diameter: 3.80 inches	Volume: 59.97 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 249.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 61.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4543.00 ft			Final 82000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.00 ft			
Tool Length:	78.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			4520.00	
Shut In Tool	5.00			4525.00	
Hydraulic tool	5.00			4530.00	
Jars	5.00			4535.00	
Safety Joint	3.00			4538.00	
Packer	5.00			4543.00	24.00 Bottom Of Top Packer
Packer - Shale	0.00			4543.00	
Stubb	1.00			4544.00	
Perforations	1.00			4545.00	
Recorder	0.00	8846	Inside	4545.00	
Recorder	0.00	8737	Outside	4545.00	
Change Over Sub	1.00			4546.00	
Blank Spacing	31.00			4577.00	
Change Over Sub	1.00			4578.00	
Perforations	14.00			4592.00	
Bullnose	5.00			4597.00	54.00 Anchor Tool
<b>Total Tool Length:</b>	<b>78.00</b>				





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Landmark Resources, Inc

**1-17s-34w Scott,KS**

1616 S Voss Rd. STE 600  
Houston TX 77057

**Janzen Unit #1**

Job Ticket: 57659

**DST#: 3**

ATTN: Terry McLeod

Test Start: 2014.05.28 @ 04:20:15

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.17 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 bbl
60.00	ocgm 10%o 40%g 50%m	0.295
60.00	ocgm 2%o 3%g 95%m	0.295
0.00	GIP= 240 ft	0.000

Total Length: 120.00 ft

Total Volume: 0.590 bbl

Num Fluid Samples: 0

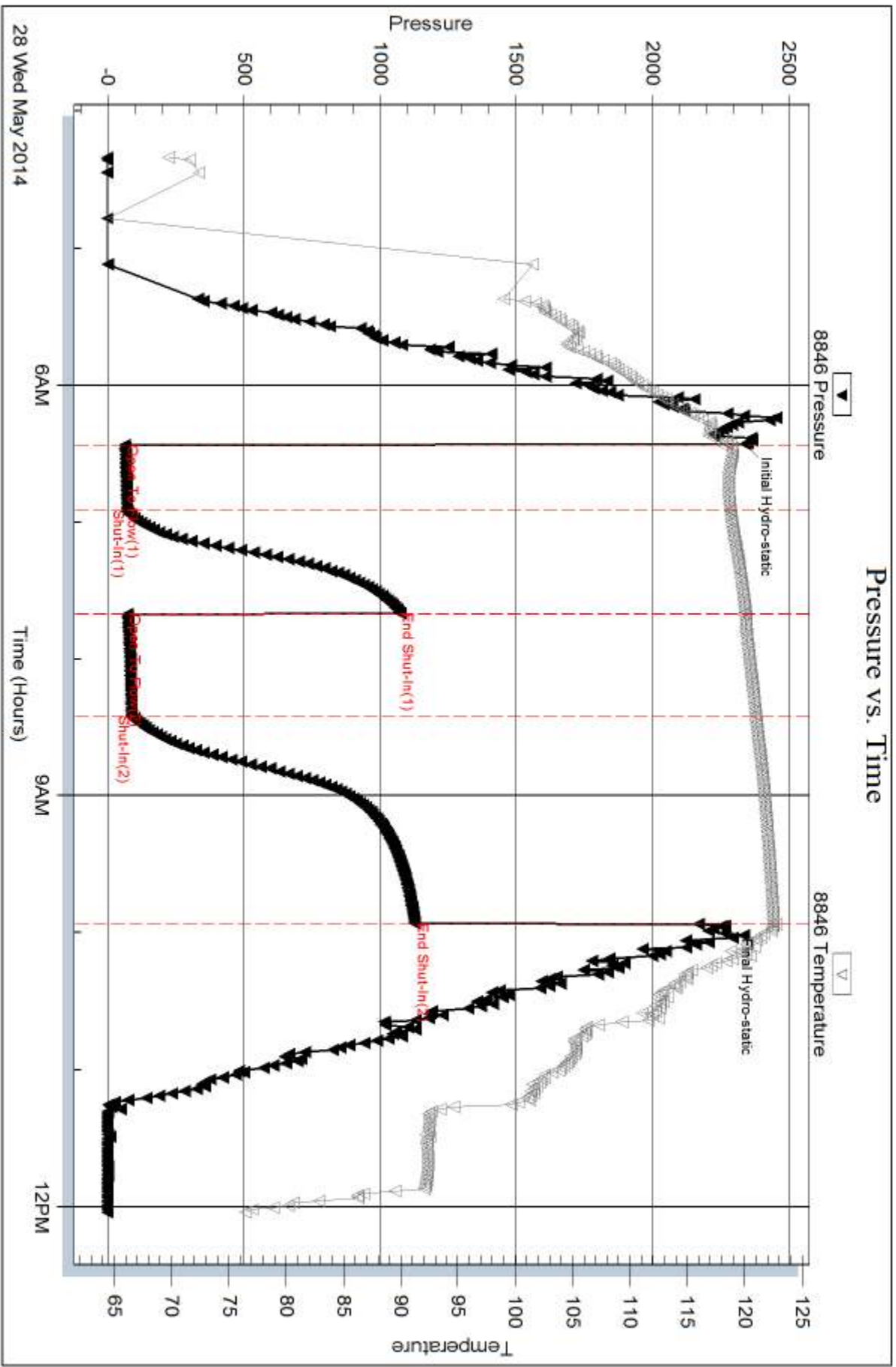
Num Gas Bombs: 0

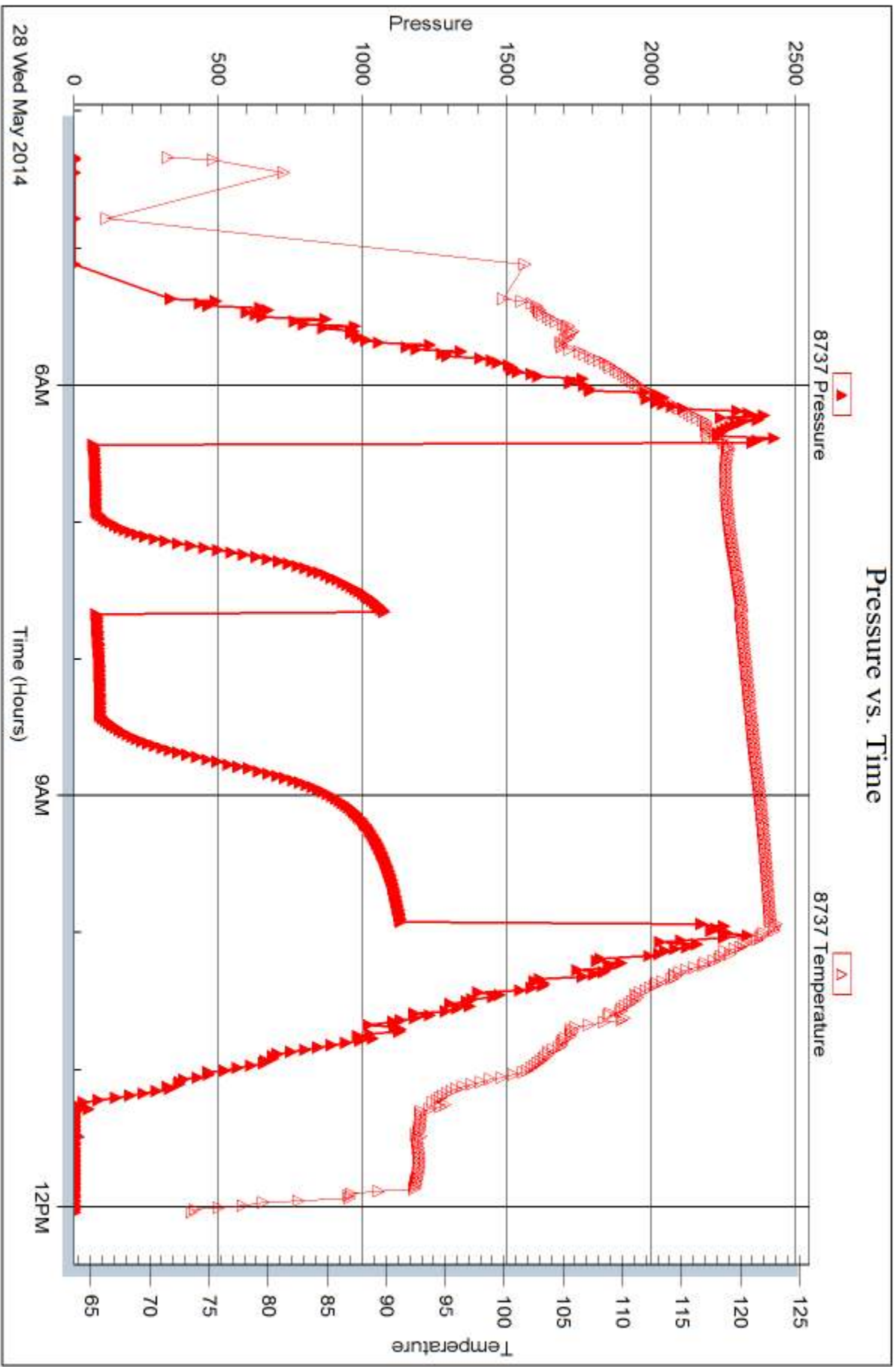
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources, Inc**

1616 S Voss Rd. STE 600  
Houston TX 77057

ATTN: Terry McLeod

### **Janzen Unit #1**

#### **1-17s-34w Scott,KS**

Start Date: 2014.05.29 @ 02:27:15

End Date: 2014.05.29 @ 10:40:00

Job Ticket #: 57660                      DST #: 4

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

Printed: 2014.05.30 @ 12:01:28

Landmark Resources, Inc  
1-17s-34w Scott,KS  
Janzen Unit #1  
DST # 4  
Johnson  
2014.05.29



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Landmark Resources, Inc  
 1616 S Voss Rd. STE 600  
 Houston TX 77057  
 ATTN: Terry McLeod

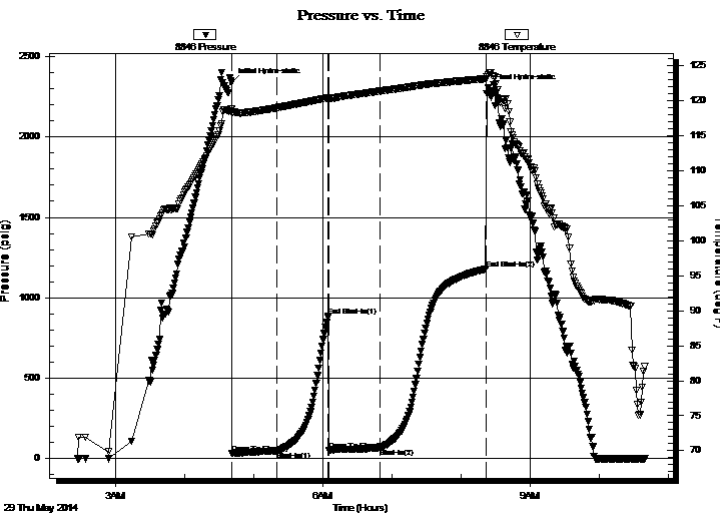
**1-17s-34w Scott,KS**  
**Janzen Unit #1**  
 Job Ticket: 57660 **DST#: 4**  
 Test Start: 2014.05.29 @ 02:27:15

## GENERAL INFORMATION:

Formation: **Johnson**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 04:41:15 Tester: Mike Roberts  
 Time Test Ended: 10:40:00 Unit No: 65  
 Interval: **4646.00 ft (KB) To 4715.00 ft (KB) (TVD)** Reference Elevations: 3102.00 ft (KB)  
 Total Depth: 4715.00 ft (KB) (TVD) 3091.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

**Serial #: 8846 Inside**  
 Press@RunDepth: 64.16 psig @ 4648.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.05.29 End Date: 2014.05.29 Last Calib.: 2014.05.29  
 Start Time: 02:27:15 End Time: 10:40:00 Time On Btm: 2014.05.29 @ 04:41:00  
 Time Off Btm: 2014.05.29 @ 08:23:15

TEST COMMENT: IF: Built to 2" blow  
 IS: No blow  
 FF: Built to 5" blow  
 FS: No return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2339.83	118.79	Initial Hydro-static
1	32.92	118.24	Open To Flow (1)
39	47.62	118.98	Shut-In(1)
84	884.64	120.42	End Shut-In(1)
85	49.20	120.36	Open To Flow (2)
129	64.16	121.36	Shut-In(2)
221	1178.58	123.14	End Shut-In(2)
223	2303.36	123.78	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	ocgm 30%o 30%g 40%m	0.30
30.00	ocm 30%o 70%m	0.15
0.00	GIP= 216 ft	0.00

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Landmark Resources, Inc

**1-17s-34w Scott,KS**

1616 S Voss Rd. STE 600  
Houston TX 77057

**Janzen Unit #1**

Job Ticket: 57660

**DST#: 4**

ATTN: Terry McLeod

Test Start: 2014.05.29 @ 02:27:15

## Tool Information

Drill Pipe:	Length: 4405.00 ft	Diameter: 3.80 inches	Volume: 61.79 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 249.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 63.01 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4646.00 ft			Final 82000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	69.00 ft			
Tool Length:	93.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4623.00	
Shut In Tool	5.00			4628.00	
Hydraulic tool	5.00			4633.00	
Jars	5.00			4638.00	
Safety Joint	3.00			4641.00	
Packer	5.00			4646.00	24.00 Bottom Of Top Packer
Packer - Shale	0.00			4646.00	
Stubb	1.00			4647.00	
Perforations	1.00			4648.00	
Recorder	0.00	8846	Inside	4648.00	
Recorder	0.00	8737	Outside	4648.00	
Change Over Sub	1.00			4649.00	
Blank Spacing	32.00			4681.00	
Change Over Sub	1.00			4682.00	
Perforations	28.00			4710.00	
Bullnose	5.00			4715.00	69.00 Anchor Tool
<b>Total Tool Length:</b>	<b>93.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Landmark Resources, Inc

**1-17s-34w Scott,KS**

1616 S Voss Rd. STE 600  
Houston TX 77057

**Janzen Unit #1**

Job Ticket: 57660

**DST#: 4**

ATTN: Terry McLeod

Test Start: 2014.05.29 @ 02:27:15

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.58 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
60.00	ocgm 30%o 30%g 40%m	0.295
30.00	ocm 30%o 70%m	0.148
0.00	GIP= 216 ft	0.000

Total Length: 90.00 ft      Total Volume: 0.443 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

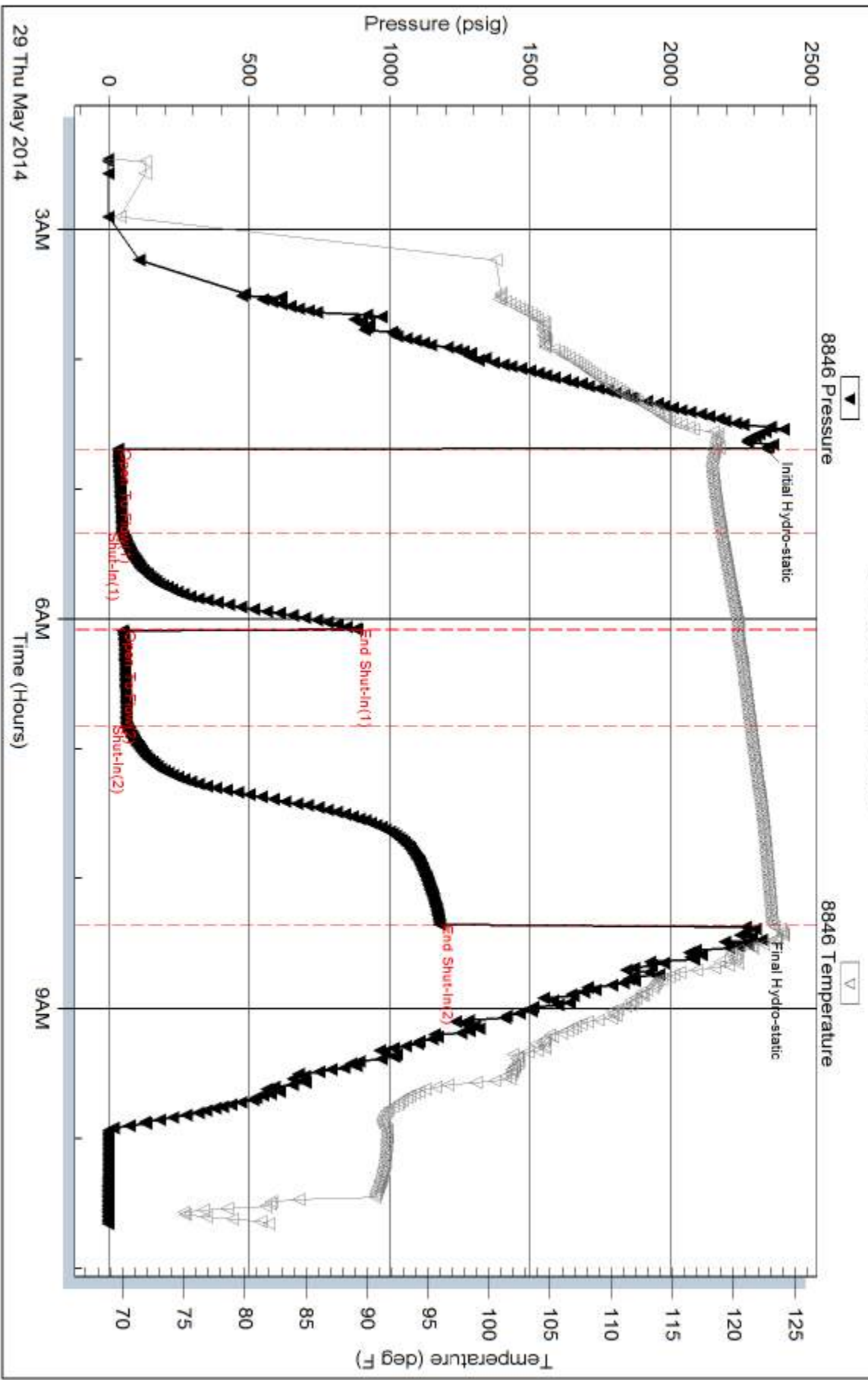
Laboratory Name:

Laboratory Location:

Recovery Comments:



### Pressure vs. Time

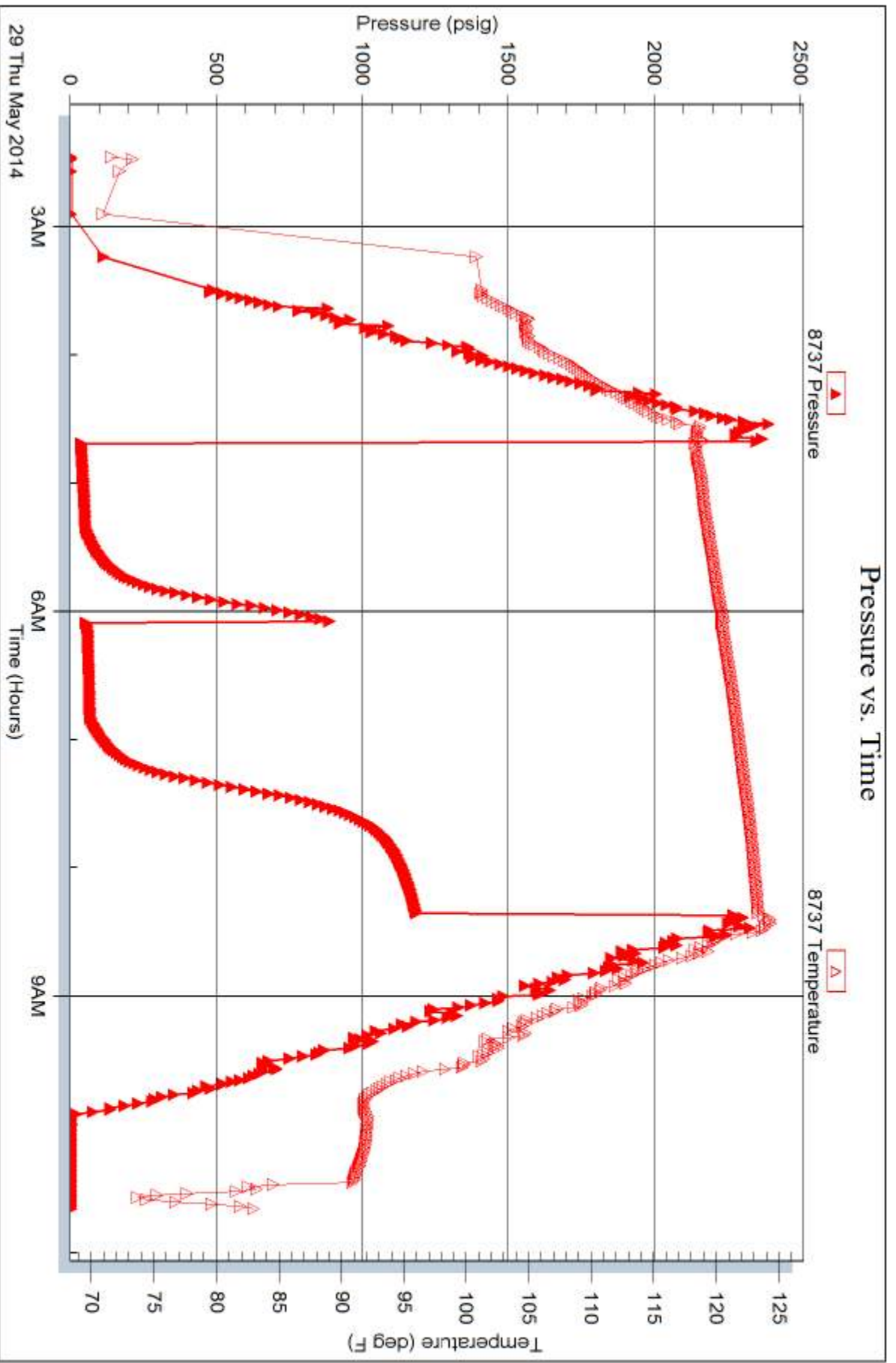


Serial #: 8737

Outside Landmark Resources, Inc

Janzen Unit #1

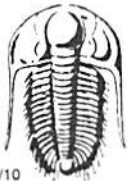
DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 57660

Printed: 2014.05.30 @ 12:01:30



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 57657

4/10

Well Name & No. Janzen Unit 1 Test No. 1 Date 5-26-14  
 Company Landmark Resources Inc Elevation ~~3102~~ 3091 KB 3091 GL  
 Address 1616 S Voss Rd. STE 600 Houston TX 77057  
 Co. Rep / Geo. Terry McLeod Rig Martin 22  
 Location: Sec. 1 Twp. 17 Rge. 34 Co. Scott State KS

Interval Tested 4399-4460 Zone Tested Marmaton  
 Anchor Length 61' Drill Pipe Run 4156 Mud Wt. 9.5  
 Top Packer Depth 4394 Drill Collars Run ~~277~~ 236 Vis 56  
 Bottom Packer Depth 4399 Wt. Pipe Run 6 WL 8.0  
 Total Depth 4460 Chlorides 5000 ppm System LCM 3  
 Blow Description IF: Built to 1" Blow  
IS: No Return Blow  
FF: No Blow  
FS: No Return Blow

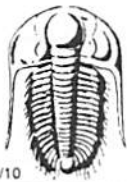
Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>Feet of OCM</u>	<u>2</u>	<u>90</u>	<u>90</u>	<u>90</u>
<u>2</u>	<u>Feet of Free Oil</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>
<u>    </u>	<u>Feet of</u>	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>
<u>    </u>	<u>Feet of</u>	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>
<u>    </u>	<u>Feet of</u>	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>

Rec Total 602 BHT 120 Gravity      API RW      @      ° F Chlorides      ppm

(A) Initial Hydrostatic <u>2201</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>13:30</u>
(B) First Initial Flow <u>34</u>	<input checked="" type="checkbox"/> Jars <u>NC</u>	T-Started <u>16:13</u>
(C) First Final Flow <u>48</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>18:18</u>
(D) Initial Shut-In <u>914</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>21:48</u>
(E) Second Initial Flow <u>78</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>23:48</u>
(F) Second Final Flow <u>61</u>	<input checked="" type="checkbox"/> Mileage <u>32 RT</u> 49.60	Comments
(G) Final Shut-In <u>1097</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2131</u>	<input type="checkbox"/> Straddle	
	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Initial Shut-In <u>45</u>	<input type="checkbox"/> Day Standby	Total <u>1624.60</u>
Final Flow <u>95</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
Final Shut-In <u>90</u>	Sub Total <u>1624.60</u>	

Approved By Terry J. McLeod Our Representative Mark Roberts

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



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 57658

Well Name & No. Janzen Unit 1 Test No. 2 Date 5-27-14  
 Company Landmark Resources Inc Elevation 3102 KB 3091 GL  
 Address 1616 S Voss Rd STE 600 Houston TX 77057  
 Co. Rep / Geo. Terry McLeod Rig Martin 22  
 Location: Sec. 1 Twp. 17 Rge. 34 Co. ~~Adair~~ Scott State KS

Interval Tested 4455-4515 Zone Tested Altament  
 Anchor Length 60 Drill Pipe Run 4213 Mud Wt. 9.5  
 Top Packer Depth 4450 Drill Collars Run 236 Vis 54  
 Bottom Packer Depth 4455 Wt. Pipe Run ∅ WL 8.0  
 Total Depth 4515 Chlorides 5000 ppm System LCM 3

Blow Description IF: Built to Weak Surface Blow + Dried in 5 MIN  
IS: No Return Blow  
FF: NO Blow - Flushed Tool - No Blow  
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>MUD</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

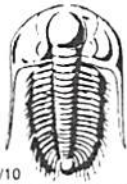
Rec Total 5 BHT \_\_\_\_\_ Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ ° F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic <u>2255</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>08:30</u>
(B) First Initial Flow <u>30</u>	<input type="checkbox"/> Jars	T-Started <u>09:00</u>
(C) First Final Flow <u>31</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>10:58</u>
(D) Initial Shut-In <u>47</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>13:57</u>
(E) Second Initial Flow <u>32</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>16:02</u>
(F) Second Final Flow <u>36</u>	<input checked="" type="checkbox"/> Mileage <u>RT 32</u> 49.60	Comments <u>Big Broke Down</u>
(G) Final Shut-In <u>54</u>	<input type="checkbox"/> Sampler	<u>While Turning Table on</u>
(H) Final Hydrostatic <u>2161</u>	<input type="checkbox"/> Straddle	<u>2<sup>nd</sup> Open - Different Times</u>

Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder	Extra Copies _____
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1624.60</u>
	Sub Total <u>1624.60</u>	MP/DST Disc't _____

Approved By Terry McLeod Our Representative Mike Roberts

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



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 57659

Well Name & No. Janzen Unit 1 Test No. 3 Date 5-28-14  
 Company Landmark Resources Inc Elevation 3102 KB 3091 GL  
 Address 1616 S. Voss Rd STE 600 Houston TX 77057  
 Co. Rep / Geo. Terry McLeod Rig Murkin 22  
 Location: Sec. 1 Twp. 17 Rge. 34 Co. SCOTT State KS

Interval Tested 4543-4597 Zone Tested Mgrick - Ft Scott  
 Anchor Length 54 Drill Pipe Run 4275 Mud Wt. 9.3  
 Top Packer Depth 4539 Drill Collars Run 236 Vis 58  
 Bottom Packer Depth 4543 Wt. Pipe Run Ø WL 7.2  
 Total Depth 4597 Chlorides 4000 ppm System LCM 2

Blow Description IF: Built to 5" Blow  
IS: No Return Blow  
FF: Built to 7" Blow  
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>Ø</u>	<u>240' GIP</u>	<u>100</u>			
<u>60</u>	<u>OCGM</u>	<u>3</u>	<u>2</u>		<u>95</u>
<u>60</u>	<u>OCGM</u>	<u>40</u>	<u>10</u>		<u>50</u>

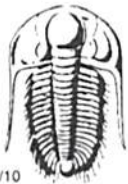
Rec Total 120 BHT \_\_\_\_\_ Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2340  Test 1250 T-On Location 03:00  
 (B) First Initial Flow 61  Jars \_\_\_\_\_ T-Started 04:20  
 (C) First Final Flow 70  Safety Joint 75 T-Open 06:25  
 (D) Initial Shut-In 1072  Circ Sub \_\_\_\_\_ T-Pulled 09:55  
 (E) Second Initial Flow 72  Hourly Standby \_\_\_\_\_ T-Out 12:02  
 (F) Second Final Flow 87  Mileage RT 32 49.60 Comments \_\_\_\_\_  
 (G) Final Shut-In 1126  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2267  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_

Initial Open 30  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Shut-In 45  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Flow 45  Day Standby \_\_\_\_\_ Total 1624.60  
 Final Shut-In 90  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1624.60

Approved By Jay L. Miled Our Representative Mike Roberts

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



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

312

## Test Ticket

NO. 57660

Well Name & No. Janzen Unit 1 Test No. 4 Date 5-29-14  
 Company Landmark Resources Inc Elevation 3102 KB 3091 GL  
 Address 1616 S. Voss Rd. STE 600 Houston TX 77057  
 Co. Rep / Geo. Terry McLeod Rig Martin 22  
 Location: Sec. 1 Twp. 17 Rge. 34 Co. SCOTT State KS

Interval Tested 4646-4715 Zone Tested Johnson  
 Anchor Length 69 Drill Pipe Run 4405 Mud Wt. 9.5  
 Top Packer Depth 4641 Drill Collars Run 236 Vis 58  
 Bottom Packer Depth 4646 Wt. Pipe Run Ø WL 9.6  
 Total Depth 4715 Chlorides 6000 ppm System LCM 2  
 Blow Description IF: Built to 2" Blow  
IS: No Return Blow  
FF: Built to 5" Blow  
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>216</u>	<u>Feet of GIP</u>	<u>100</u>			
<u>30</u>	<u>Feet of OCM</u>		<u>30</u>		<u>70</u>
<u>60</u>	<u>Feet of DCgm</u>	<u>30</u>	<u>30</u>		<u>40</u>

Rec Total 90 BHT 123 Gravity — API RW —@ —° F Chlorides — ppm

(A) Initial Hydrostatic 2339  Test 1250 T-On Location 01:30  
 (B) First Initial Flow 32  Jars — T-Started 02:27  
 (C) First Final Flow 47  Safety Joint 75 T-Open 04:40  
 (D) Initial Shut-In 884  Circ Sub NC T-Pulled 08:20  
 (E) Second Initial Flow 49  Hourly Standby — T-Out 10:40  
 (F) Second Final Flow 64  Mileage RT = 32 49.60 Comments —  
 (G) Final Shut-In 1178  Sampler —  
 (H) Final Hydrostatic 2303  Straddle —  Ruined Shale Packer —  
 Shale Packer 250  Ruined Packer —  
 Extra Packer —  Extra Copies —  
 Extra Recorder — Sub Total 0  
 Day Standby — Total 1624.60  
 Accessibility — MP/DST Disc't —  
 Sub Total 1624.60

Initial Open 30 40  
 Initial Shut-In 45  
 Final Flow 45  
 Final Shut-In 90

Approved By Terry McLeod Our Representative Mike Roberts

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



# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 140270

Invoice Date: Dec 14, 2013

Voice: (817) 546-7282

Page: 1

Fax: (817) 246-3361

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

21730

Customer ID	Field Ticket #	Payment Terms	
Land	62189	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Dec 14, 2013	1/13/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Janzen #1-1		
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
227.04	CEMENT SERVICE	Cubic Feet Charge	2.48	563.06
414.56	CEMENT SERVICE	Ton Mileage Charge	2.60	1,077.86
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
40.00	CEMENT SERVICE	Pump Truck Mileage	7.70	308.00
1.00	CEMENT SERVICE	Manifold Rental	275.00	275.00
40.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	176.00
1.00	CEMENT SUPERVISOR	Alan Ryan		
1.00	OPERATOR ASSISTANT	Kevin Ryan		

APPROVED DEC 23 2013

Pd.  
DEC 24 2013

#  
44979

13,147.65

0.\*

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

\$ 2,135.32

ONLY IF PAID ON OR BEFORE  
Jan 8, 2014

Subtotal		8,212.77
Sales Tax	8,563.27+	350.50
Total Invoice Amount	2,135.32-	8,563.27
Payment/Credit Applied	000	
<b>TOTAL</b>	6,427.95*+	<b>8,563.27</b>







# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 140561  
Invoice Date: Dec 22, 2013  
Page: 1

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

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

71730

Customer ID	Field Ticket #	Payment Terms	
Land	62197	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Dec 22, 2013	1/21/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Janzen #1-1		
180.00	CEMENT MATERIALS	Class A Common	17.90	3,222.00
120.00	CEMENT MATERIALS	Pozmix	9.35	1,122.00
10.00	CEMENT MATERIALS	Gel	23.40	234.00
75.00	CEMENT MATERIALS	Flo Seal	2.97	222.75
322.20	CEMENT SERVICE	Cubic Feet Charge	2.48	799.06
538.16	CEMENT SERVICE	Ton Mileage Charge	2.60	1,399.22
1.00	CEMENT SERVICE	Plug to Abandon	2,483.59	2,483.59
40.00	CEMENT SERVICE	Pump Truck Mileage	7.70	308.00
40.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	176.00
1.00	CEMENT SUPERVISOR	Alan Ryan		
1.00	OPERATOR ASSISTANT	Kevin Ryan		

APPROVED  
JAN 08 2014  
#45097  
APPROVED JAN 08 2014  
42,308.98

10,778.90+  
2,591.32-  
000  
8,187.58\*+

Subtotal	9,966.62
Sales Tax	812.28
Total Invoice Amount	10,778.90
Payment/Credit Applied	
<b>TOTAL</b>	<b>10,778.90</b>

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

\$ 2,591.32

ONLY IF PAID ON OR BEFORE  
Jan 16, 2014

# ALLIED OIL & GAS SERVICES, LLC 062197

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:

*Dobley, Ky*

DATE <i>12/22/13</i>	SEC. <i>1</i>	TWP. <i>17</i>	RANGE <i>34</i>	CALLED OUT	ON LOCATION	JOB START <i>12:00a</i>	JOB FINISH <i>1:00a</i>
LEASE <i>San Juan</i>	WELL # <i>1-1</i>	LOCATION <i>83-4 W 6 1/2 mile N. side</i>			COUNTY <i>South</i>	STATE <i>Ky</i>	
OLD OR NEW (Circle one)							

CONTRACTOR *Signature* *22*

TYPE OF JOB *PT*

HOLE SIZE *7 1/8* T.D. \_\_\_\_\_

CASING SIZE *8 1/8* DEPTH \_\_\_\_\_

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE *4 1/2* DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. \_\_\_\_\_

PERFS. \_\_\_\_\_

DISPLACEMENT \_\_\_\_\_

OWNER *Same*

CEMENT AMOUNT ORDERED *300 60/40 470 gel 14 PLO*

EQUIPMENT

PUMP TRUCK CEMENTER *Alan Ryan*

# *429-281* HELPER *Kevin Ryan*

BULK TRUCK DRIVER *Thomas (T 100)*

# *396*

BULK TRUCK DRIVER \_\_\_\_\_

# \_\_\_\_\_

COMMON	<i>180</i>	@ <i>12.50</i>	<i>2250.00</i>
POZMIX	<i>120</i>	@ <i>9.25</i>	<i>1122.00</i>
GEL	<i>10</i>	@ <i>23.40</i>	<i>234.00</i>
CHLORIDE		@	
ASC		@	
	<i>FO Seal 75lb</i>	@ <i>2.82</i>	<i>211.50</i>
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<i>522.2</i>	@ <i>2.40</i>	<i>1253.28</i>
MILEAGE	<i>13.454 ton</i>	@ <i>2.99</i>	<i>40.127</i>
		@ <i>0.23</i>	<i>3.074</i>
TOTAL			<i>6999.03</i>

REMARKS:

*50 SK @ 2430'*

*80 SK @ 1550'*

*50 SK @ 775'*

*50 SK @ 300'*

*20 SK @ 60'*

*30 SK RT*

*20 SK MT*

CHARGE TO: *Landmark Resources*

STREET \_\_\_\_\_

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

SERVICE

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE *2483.59*

EXTRA FOOTAGE @ \_\_\_\_\_

MILEAGE *40* @ *2.70* *308.00*

MANIFOLD @ \_\_\_\_\_

*1270 lb* *40* @ *4.40* *176.00*

TOTAL *2967.59*

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 *Kelly Wilson*

SIGNATURE *Kelly Wilson*

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

TOTAL CHARGES *9,966.62*

DISCOUNT *2,591.32* IF PAID IN 30 DAYS

*7,375.29 Net.*