

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1235698
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: _____

1235698

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Janzen 4-7
Doc ID	1235698

All Electric Logs Run

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

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Janzen 4-7
Doc ID	1235698

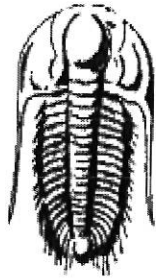
Tops

Name	Top	Datum
Anhydrite	2415	681
B/Anhydrite	2434	662
Topeka	3738	-642
Heebner	3978	-882
Toronto	3995	-899
Lansing	4019	-923
C	4056	-960
D	4070	-974
E	4110	-1014
F	4130	-1034
G	4153	-1057
Munice Creek	4204	-1108
H	4216	-1120
I	4253	-1157
J	4280	-1184
Stark Shale	4302	-1206
K	4314	-1218
L	4356	-1260
BKC	4384	-1288
Marmaton	4436	-1340
Altamont	4465	-1369
Pawnee	4523	-1427
Myrick Station	4563	-1467
Fort Scott	4577	-1481

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Janzen 4-7
Doc ID	1235698

Tops

Name	Top	Datum
Cherokee	4604	-1508
Johnson Zone	4648	-1552
Morrow Shale	4717	-1621
Upper Morrow Sand	4755	-1659
Missippian	4768	-1672



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc**

1616 S Voss rd STE 600
Houston TX 77057

ATTN: Terry McLeod

Janzen #4-7

7-17s-33w Scott,KS

Start Date: 2014.11.24 @ 08:36:00

End Date: 2014.11.24 @ 17:19:00

Job Ticket #: 60641 DST #: 1

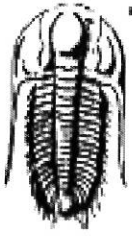
Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.11.28 @ 11:29:34

Landmark Resources Inc
7-17s-33w Scott,KS
Janzen #4-7
DST # 1
Marraton
2014.11.24



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 #4-7

Job Ticket: 60641

DST#: 1

ATTN: Terry McLeod

Test Start: 2014.11.24 @ 08:36:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:18:15

Time Test Ended: 17:19:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Cody Bloedorn

Unit No: 73

Interval: **4408.00 ft (KB) To 4475.00 ft (KB) (TVD)**

Reference Elevations: 3096.00 ft (KB)

Total Depth: 4475.00 ft (KB) (TVD)

3086.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8648

Inside

Press@RunDepth: 64.70 psig @ 4445.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.24

End Date:

2014.11.24

Last Calib.: 2014.11.24

Start Time: 08:36:05

End Time:

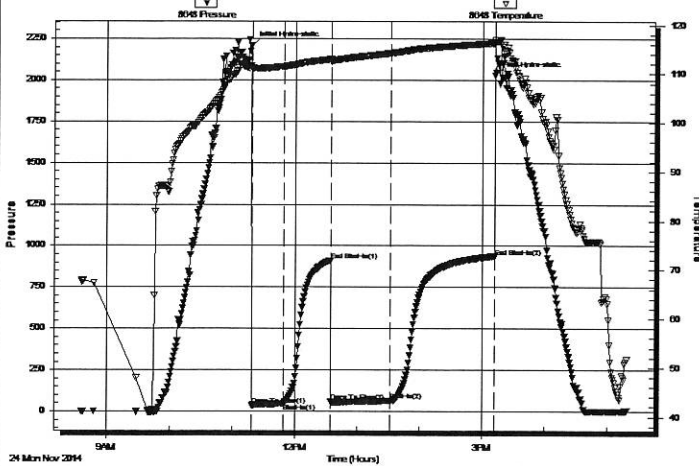
17:19:00

Time On Btm: 2014.11.24 @ 11:18:00

Time Off Btm: 2014.11.24 @ 15:12:15

TEST COMMENT: 30 - IF- 2" blow
45 - IS- No return
60 - FF- 1 1/4" blow
90 - FS- No return

Pressure vs. Time



PRESSURE SUMMARY

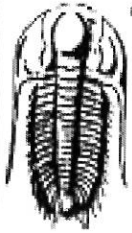
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2207.26	111.63	Initial Hydro-static
1	34.04	110.94	Open To Flow (1)
31	47.38	111.49	Shut-In(1)
76	908.37	112.97	End Shut-In(1)
76	57.80	112.46	Open To Flow (2)
133	64.70	114.21	Shut-In(2)
234	932.94	116.32	End Shut-In(2)
235	2028.30	117.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	HOCM, 40%O, 60%M	0.30
15.00	MCO, 20%M, 80%O	0.07
0.00	124' of G.I.P.	0.00

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 #4-7

Job Ticket: 60641

DST#: 1

ATTN: Terry McLeod

Test Start: 2014.11.24 @ 08:36:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:18:15

Time Test Ended: 17:19:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Cody Bloedorn

Unit No: 73

Interval: **4408.00 ft (KB) To 4475.00 ft (KB) (TVD)**

Total Depth: 4475.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3096.00 ft (KB)

3086.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8940 Outside

Press@RunDepth: psig @ 4445.00 ft (KB)

Start Date: 2014.11.24

End Date: 2014.11.24

Capacity: 8000.00 psig

Last Calib.: 2014.11.24

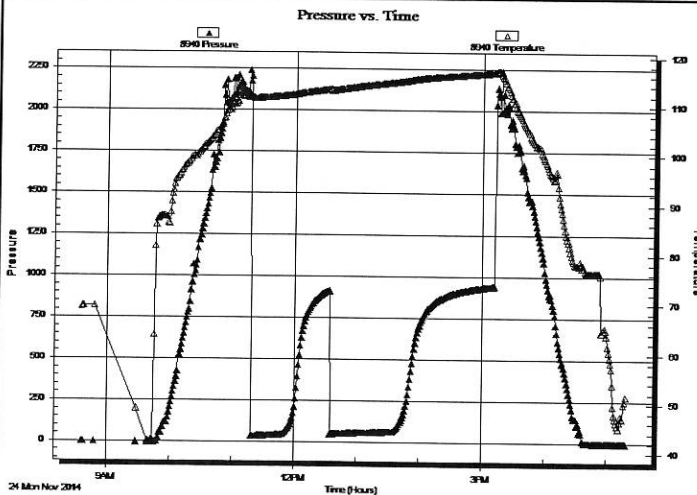
Start Time: 08:36:05

End Time: 17:19:00

Time On Btm:

Time Off Btm:

TEST COMMENT: 30 - IF- 2" blow
45 - IS- No return
60 - FF- 1 1/4" blow
90 - FS- No return



PRESSURE SUMMARY

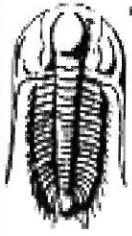
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
60.00	HOCM, 40%O, 60%M	0.30
15.00	MCO, 20%M, 80%O	0.07
0.00	124' of G.I.P.	0.00

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 #4-7

Job Ticket: 60641

DST#: 1

ATTN: Terry McLeod

Test Start: 2014.11.24 @ 08:36:00

Tool Information

Drill Pipe:	Length: 4164.00 ft	Diameter: 3.80 inches	Volume: 58.41 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 94000.00 lb
			<u>Total Volume: 59.59 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 90000.00 lb
Depth to Top Packer:	4408.00 ft			Final 90000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	67.00 ft			
Tool Length:	90.00 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			4386.00	
Shut In Tool	5.00			4391.00	
Hydraulic tool	5.00			4396.00	
Safety Joint	3.00			4399.00	
Packer	5.00			4404.00	23.00 Bottom Of Top Packer
Packer	4.00			4408.00	
Stubb	1.00			4409.00	
Perforations	3.00			4412.00	
Change Over Sub	1.00			4413.00	
Drill Pipe	31.00			4444.00	
Change Over Sub	1.00			4445.00	
Recorder	0.00	8648	Inside	4445.00	
Recorder	0.00	8940	Outside	4445.00	
Perforations	27.00			4472.00	
Bullnose	3.00			4475.00	67.00 Bottom Packers & Anchor

Total Tool Length: 90.00



**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 #4-7

Job Ticket: 60641

DST#: 1

ATTN: Terry McLeod

Test Start: 2014.11.24 @ 08:36:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 7.16 in³

Resistivity: ohm.m

Salinity: 4000.00 ppm

Filter Cake: 3.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	HOCM, 40%O, 60%M	0.295
15.00	MCO, 20%M, 80%O	0.074
0.00	124' of G.I.P.	0.000

Total Length: 75.00 ft Total Volume: 0.369 bbl

Num Fluid Samples: 0

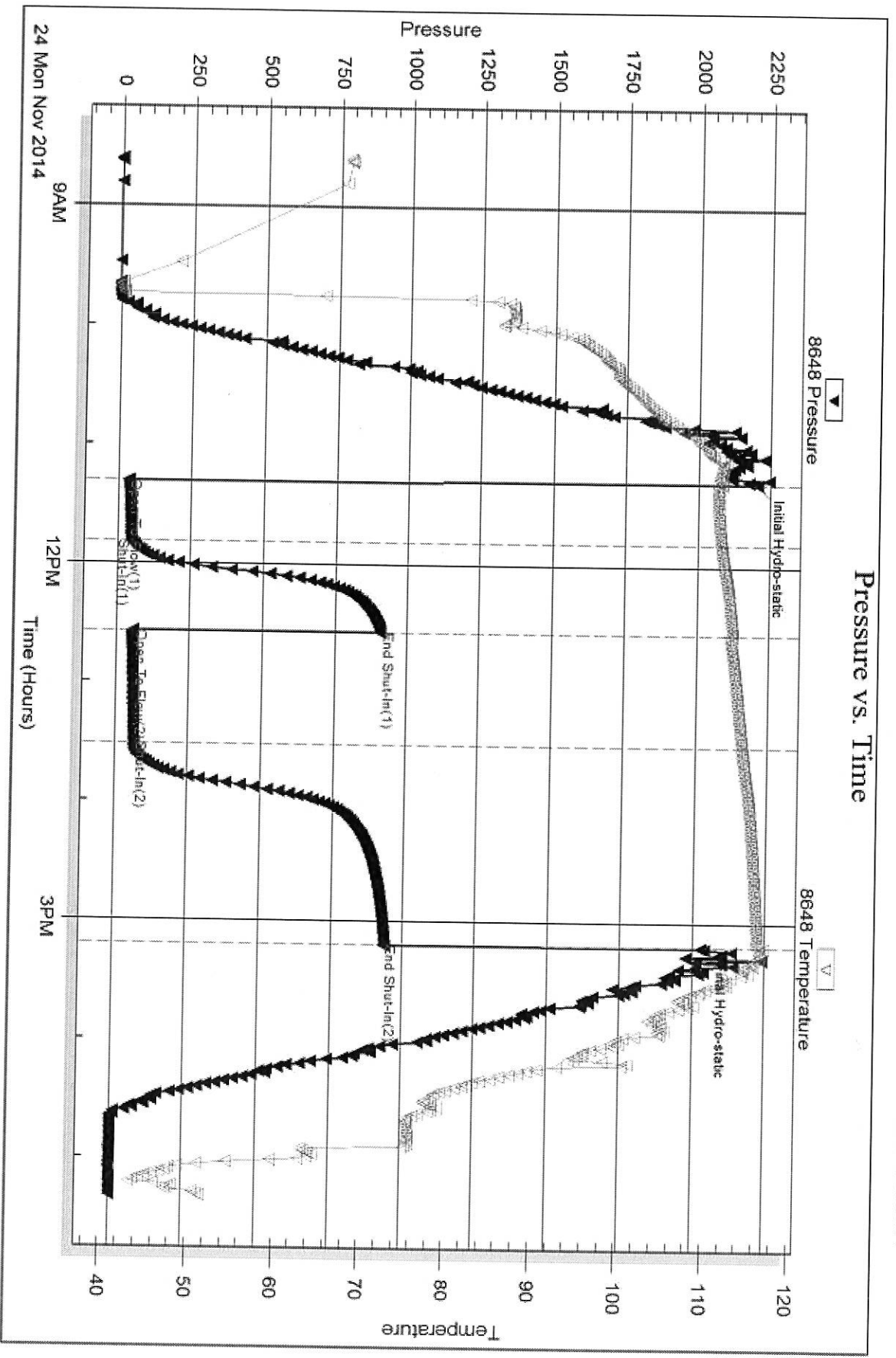
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: thick oil

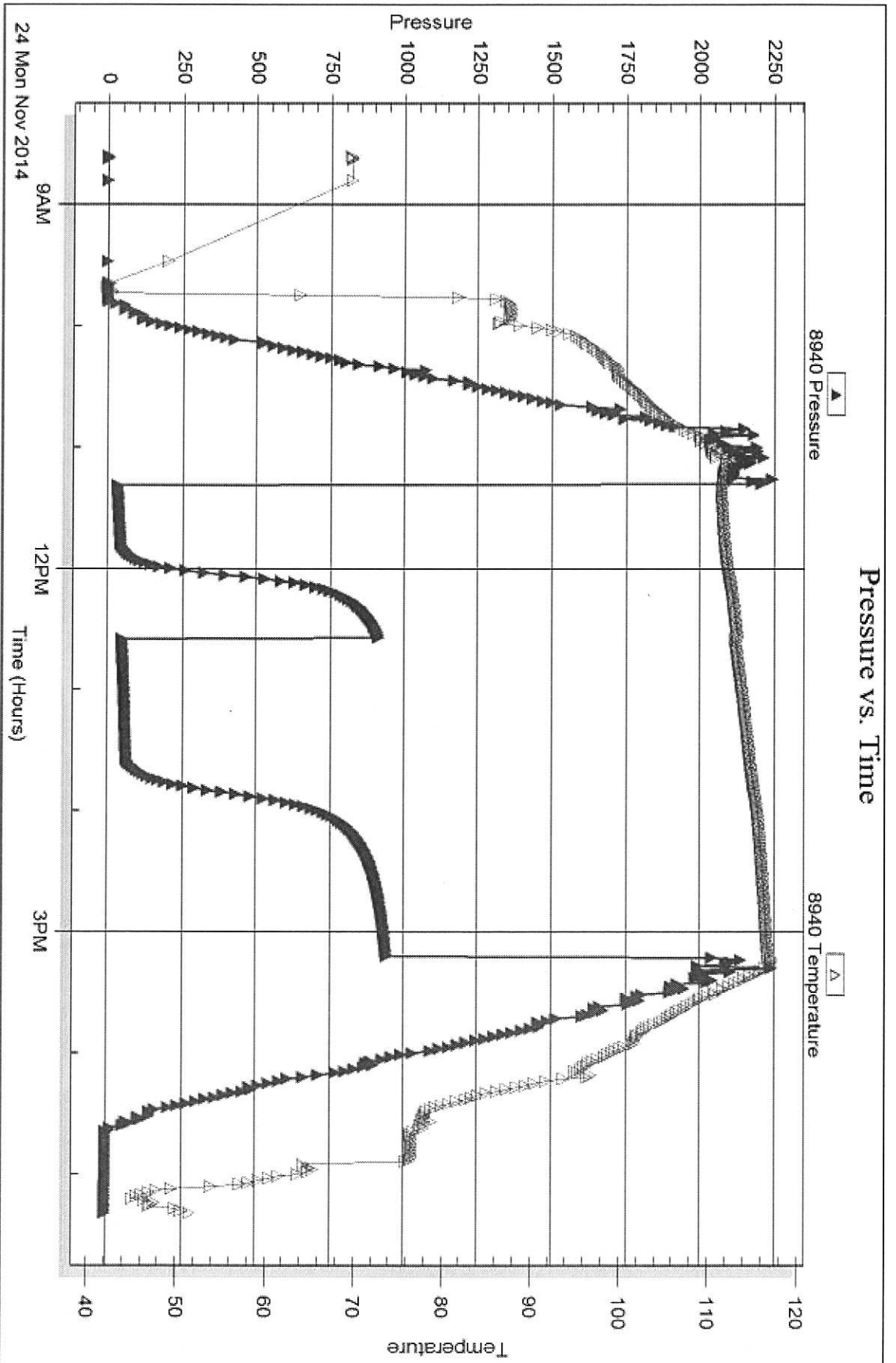


Serial #: 8940

Outside Landmark Resources Inc

Janzen #4-7

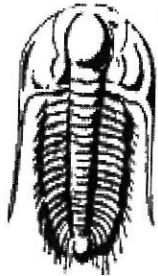
DST Test Number: 1



Tripoble Testing, Inc

Ref. No: 60641

Printed: 2014, 11, 28 @ 11:29:36



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc**

1616 S Voss rd STE 600
Houston TX 77057

ATTN: Terry McLeod

Janzen #4-7

7-17s-33w Scott,KS

Start Date: 2014.11.25 @ 00:20:05

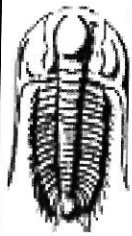
End Date: 2014.11.25 @ 09:53:30

Job Ticket #: 60642 DST #: 2

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

Printed: 2014.11.28 @ 11:29:13

Landmark Resources Inc
7-17s-33w Scott,KS
Janzen #4-7
DST # 2
2014.11.25



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 #4-7

Job Ticket: 60642

DST#: 2

ATTN: Terry McLeod

Test Start: 2014.11.25 @ 00:20:05

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:03:30

Time Test Ended: 09:53:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 73

Interval: 4481.00 ft (KB) To 4522.00 ft (KB) (TVD)

Total Depth: 4522.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3096.00 ft (KB)

3086.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8940

Outside

Press@RunDepth: 259.94 psig @ 4518.00 ft (KB)

Start Date: 2014.11.25

End Date:

2014.11.25

Start Time: 00:20:05

End Time:

09:53:30

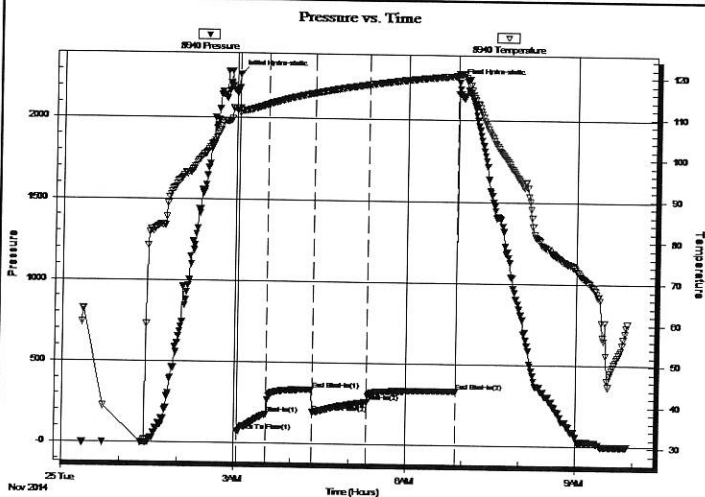
Capacity: 8000.00 psig

Last Calib.: 2014.11.25

Time On Btm: 2014.11.25 @ 03:03:15

Time Off Btm: 2014.11.25 @ 06:53:59

TEST COMMENT: 30 - IF- B.O.B. in 2 1/2 minutes
45 - ISI- 2. 1/2" Return
60 - FF- B.O.B. in 7 minutes
90 - FSI- 3" blow, died back to 1" blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2268.36	112.01	Initial Hydro-static
1	69.68	110.89	Open To Flow (1)
31	178.55	113.02	Shut-In(1)
79	332.03	115.86	End Shut-In(1)
79	192.54	115.78	Open To Flow (2)
136	259.94	118.09	Shut-In(2)
230	329.40	120.42	End Shut-In(2)
231	2232.15	120.78	Final Hydro-static

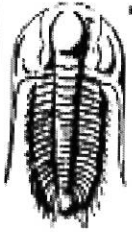
Recovery

Length (ft)	Description	Volume (bbl)
62.00	GOCM, 20%O, 30%G, 50%M	0.30
124.00	GHOCM, 30%G, 30%M, 40%O	0.61
248.00	GMCO, 15%G, 75%O	2.99
248.00	GMCO, 40%G, 60%O	3.48
0.00	1116' of G.I.P.	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 #4-7

Job Ticket: 60642

DST#: 2

ATTN: Terry McLeod

Test Start: 2014.11.25 @ 00:20:05

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 03:03:30

Tester: Cody Bloedorn

Time Test Ended: 09:53:30

Unit No: 73

Interval: 4481.00 ft (KB) To 4522.00 ft (KB) (TVD)

Reference Elevations: 3096.00 ft (KB)

Total Depth: 4522.00 ft (KB) (TVD)

3086.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8648 Inside

Press@RunDepth: psig @ 4518.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.25

End Date: 2014.11.25

Last Calib.: 2014.11.25

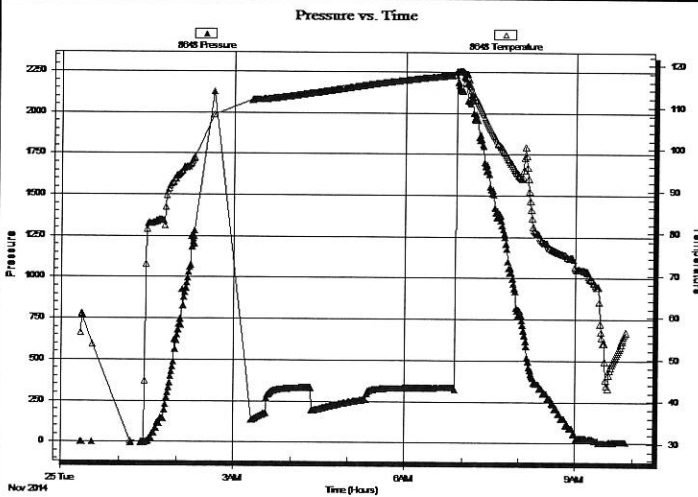
Start Time: 00:20:05

End Time: 09:53:03

Time On Btm:

Time Off Btm:

TEST COMMENT: 30 - IF- B.O.B. in 2 1/2 minutes
45 - IS- 2. 1/2" Return
60 - FF- B.O.B. in 7 minutes
90 - FSI- 3" blow , died back to 1" blow



PRESSURE SUMMARY

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

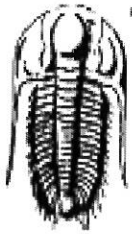
Recovery

Length (ft)	Description	Volume (bbl)
62.00	GOCM, 20%O, 30%G, 50%M	0.30
124.00	GHOCM, 30%G, 30%M, 40%O	0.61
248.00	GMCO, 15%G, 75%O	2.99
248.00	GMCO, 40%G, 60%O	3.48
0.00	1116' of G.I.P.	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 #4-7

Job Ticket: 60642

DST#: 2

ATTN: Terry McLeod

Test Start: 2014.11.25 @ 00:20:05

Tool Information

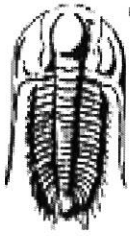
Drill Pipe:	Length: 4229.00 ft	Diameter: 3.80 inches	Volume: 59.32 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 96000.00 lb
			<u>Total Volume: 60.50 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 90000.00 lb
Depth to Top Packer:	4481.00 ft			Final 92000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	41.00 ft			
Tool Length:	64.00 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			4459.00	
Shut In Tool	5.00			4464.00	
Hydraulic tool	5.00			4469.00	
Safety Joint	3.00			4472.00	
Packer	5.00			4477.00	23.00 Bottom Of Top Packer
Packer	4.00			4481.00	
Stubb	1.00			4482.00	
Perforations	3.00			4485.00	
Change Over Sub	1.00			4486.00	
Drill Pipe	31.00			4517.00	
Change Over Sub	1.00			4518.00	
Recorder	0.00	8648	Inside	4518.00	
Recorder	0.00	8940	Outside	4518.00	
Perforations	1.00			4519.00	
Bullnose	3.00			4522.00	41.00 Bottom Packers & Anchor

Total Tool Length: 64.00



**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 #4-7

Job Ticket: 60642

DST#: 2

ATTN: Terry McLeod

Test Start: 2014.11.25 @ 00:20:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.15 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 3.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	GOCM, 20%O, 30%G, 50%M	0.305
124.00	GHOCM, 30%G, 30%M, 40%O	0.610
248.00	GMCO, 15%G, 75%O	2.987
248.00	GMCO, 40%G, 60%O	3.479
0.00	1116' of G.I.P.	0.000

Total Length: 682.00 ft Total Volume: 7.381 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

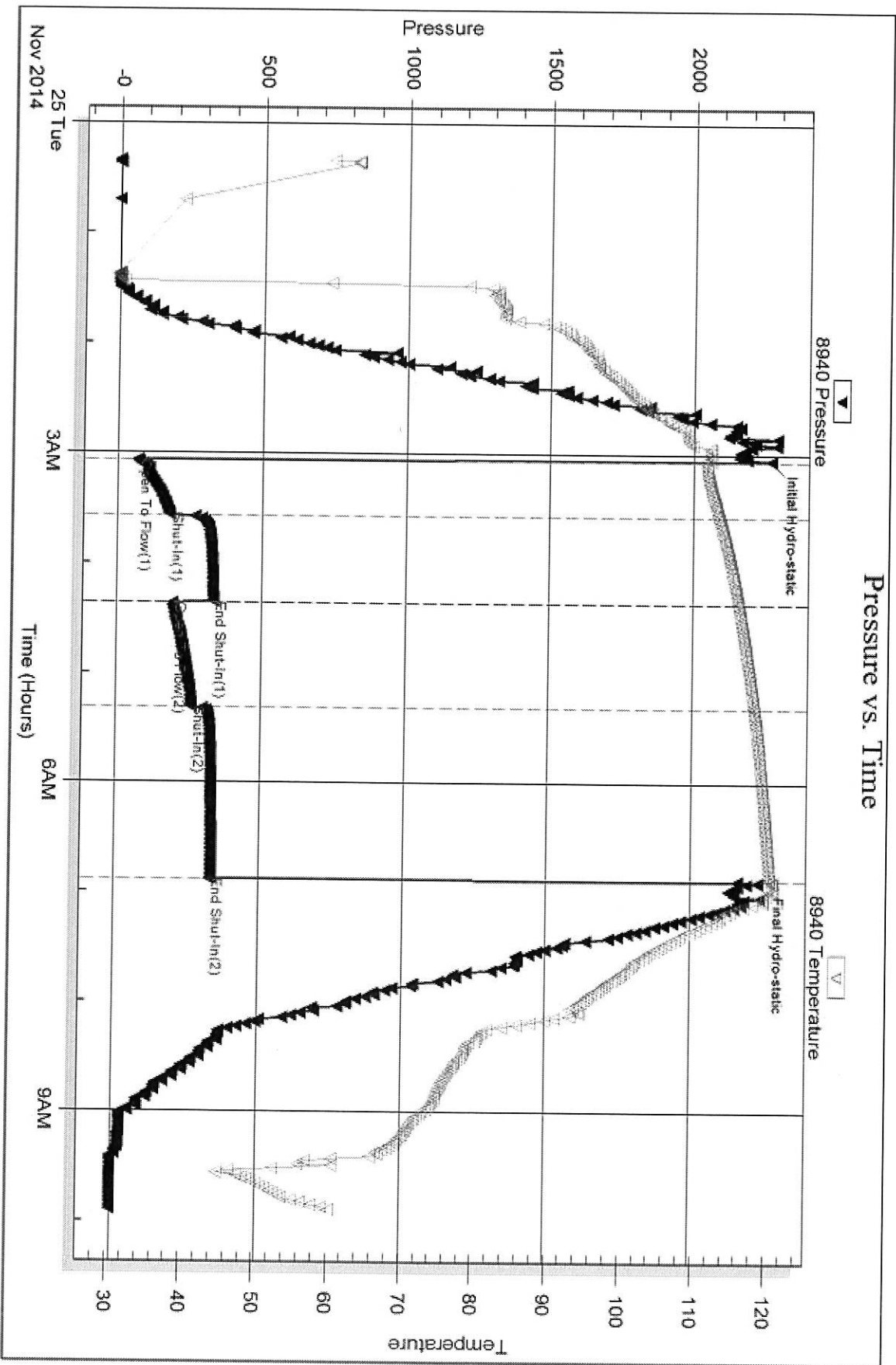
Recovery Comments: Gravity = 29 @ 40 Degrees = 31

Serial #: 8940

Outside Landmark Resources Inc

Janzen #4-7

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 60642

Printed: 2014, 11:28 @ 11:29:14

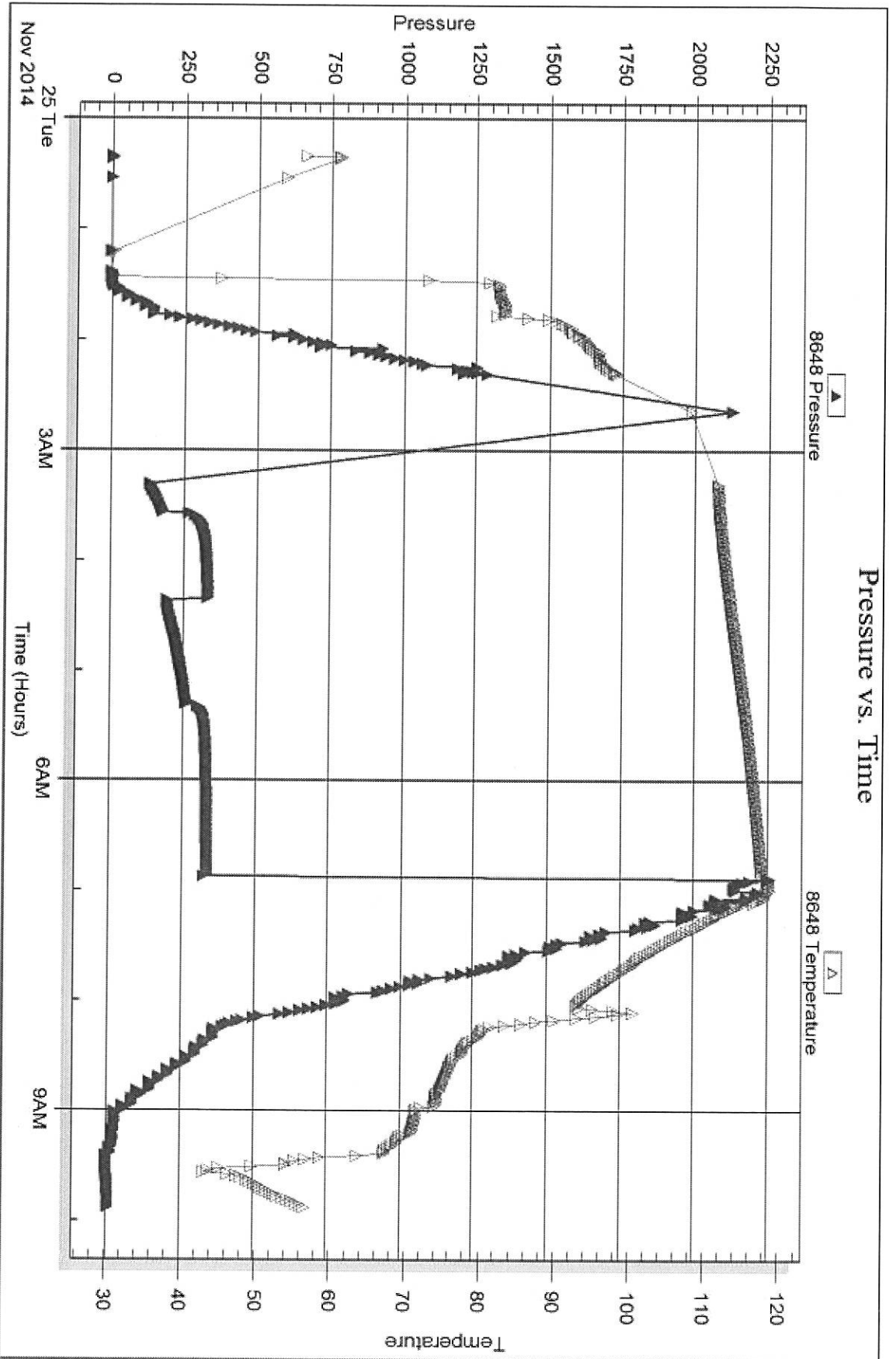
Serial #: 8648

Inside

Landmark Resources Inc

Janzen #4-7

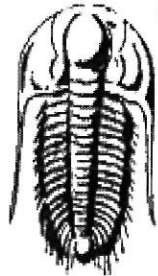
DSI Test Number: 2



Triobite Testing, Inc

Ref. No: 60642

Printed: 2014.11.28 @ 11:29:14



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc**

1616 S Voss rd STE 600
Houston TX 77057

ATTN: Terry McLeod

Janzen #4-7

7-17s-33w Scott,KS

Start Date: 2014.11.25 @ 21:15:15

End Date: 2014.11.26 @ 03:58:30

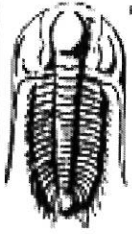
Job Ticket #: 59221 DST #: 3

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.11.28 @ 11:28:51



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 #4-7

Job Ticket: 59221

DST#: 3

ATTN: Terry McLeod

Test Start: 2014.11.25 @ 21:15:15

GENERAL INFORMATION:

Formation: **Myrick St. - Ft.Scot**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:24:45

Time Test Ended: 03:58:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: **4545.00 ft (KB) To 4610.00 ft (KB) (TVD)**

Total Depth: 4610.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3096.00 ft (KB)

3086.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8846

Inside

Press@RunDepth: 37.30 psig @ 4547.00 ft (KB)

Start Date: 2014.11.25

End Date:

2014.11.26

Start Time: 21:15:15

End Time:

03:58:30

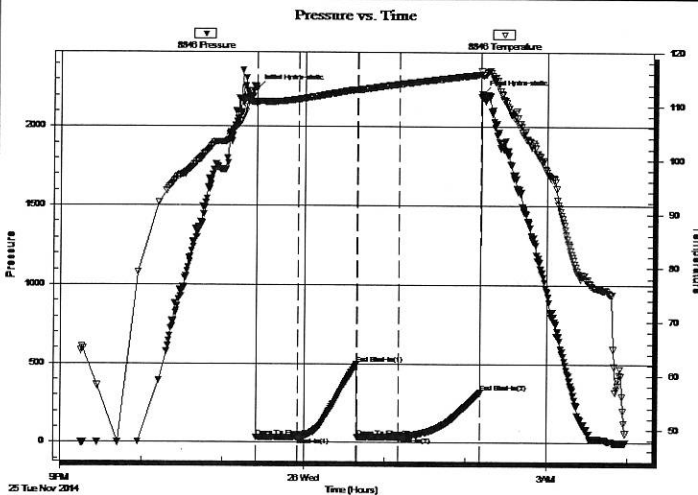
Capacity: 8000.00 psig

Last Calib.: 2014.11.26

Time On Btm: 2014.11.25 @ 23:24:30

Time Off Btm: 2014.11.26 @ 02:11:30

TEST COMMENT: IF: Built to 1/8" blow
IS: No return blow
FF: No blow
FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2242.62	110.71	Initial Hydro-static
1	32.39	110.31	Open To Flow (1)
31	34.11	111.25	Shut-In(1)
75	497.54	113.08	End Shut-In(1)
75	35.31	112.98	Open To Flow (2)
106	37.30	114.07	Shut-In(2)
166	318.61	115.92	End Shut-In(2)
167	2206.96	115.80	Final Hydro-static

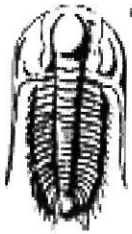
Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100% m	0.01

* 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 #4-7

Job Ticket: 59221

DST#: 3

ATTN: Terry McLeod

Test Start: 2014.11.25 @ 21:15:15

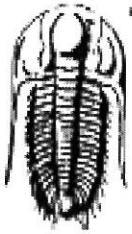
Tool Information

Drill Pipe:	Length: 4302.00 ft	Diameter: 3.80 inches	Volume: 60.35 bbl	Tool Weight: 2000.00 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: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 11000.00 lb
			<u>Total Volume: 61.53 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 90000.00 lb
Depth to Top Packer:	4545.00 ft			Final 90000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.00 ft			
Tool Length:	89.00 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			4522.00	
Shut In Tool	5.00			4527.00	
Hydraulic tool	5.00			4532.00	
Jars	5.00			4537.00	
Safety Joint	3.00			4540.00	
Packer	5.00			4545.00	24.00 Bottom Of Top Packer
Packer - Shale	0.00			4545.00	
Stubb	1.00			4546.00	
Perforations	1.00			4547.00	
Recorder	0.00	8846	Inside	4547.00	
Recorder	0.00	8737	Outside	4547.00	
Change Over Sub	1.00			4548.00	
Blank Spacing	31.00			4579.00	
Change Over Sub	1.00			4580.00	
Perforations	25.00			4605.00	
Bullnose	5.00			4610.00	65.00 Anchor Tool
Total Tool Length:	89.00				



**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 #4-7

Job Ticket: 59221

DST#: 3

ATTN: Terry McLeod

Test Start: 2014.11.25 @ 21:15:15

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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.15 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 3.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	mud 100%m	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

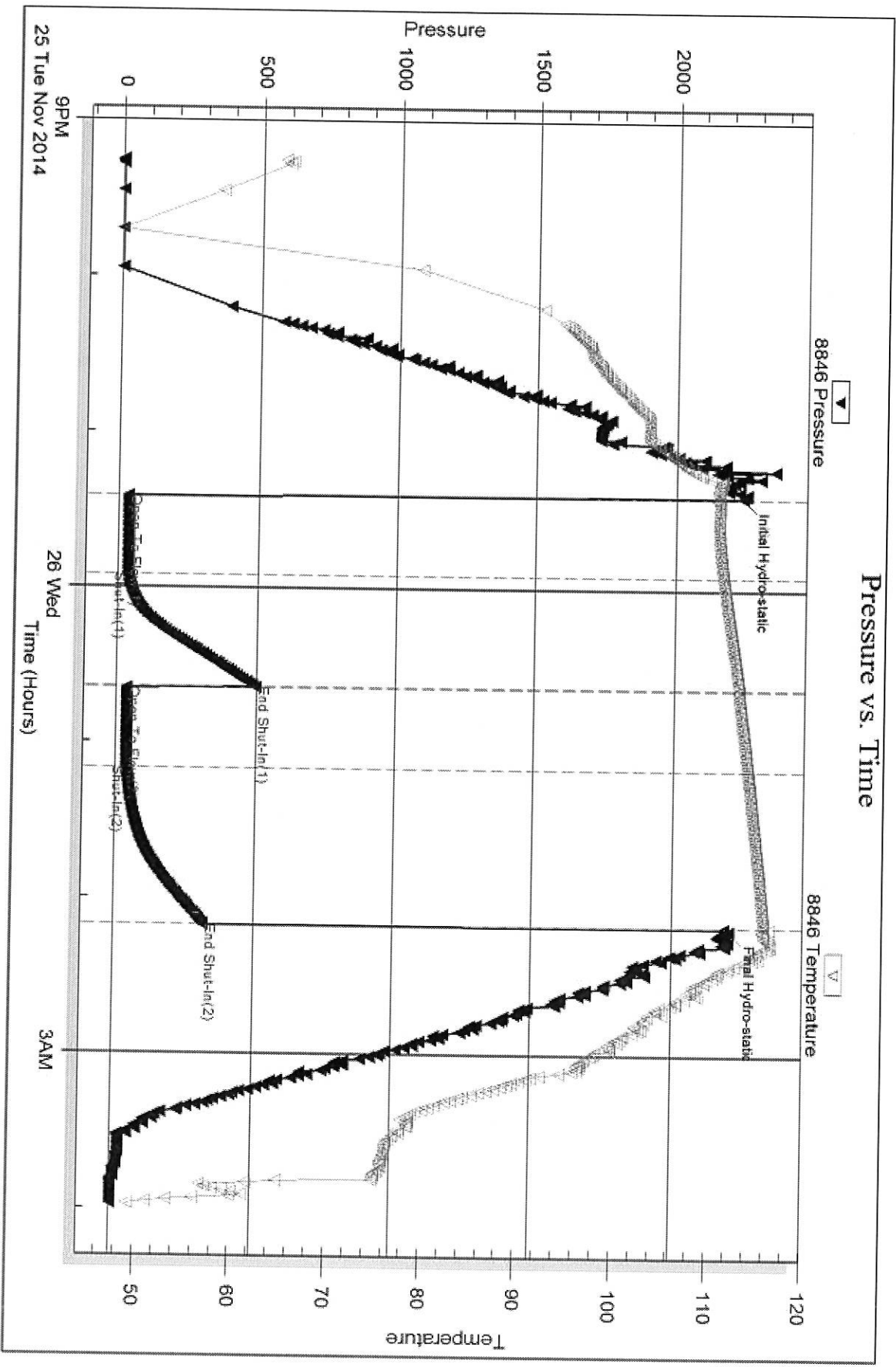
Serial #: 8846

Inside

Landmark Resources Inc

Janzen #4-7

DST Test Number: 3



Tribble Testing, Inc

Ref. No: 59221

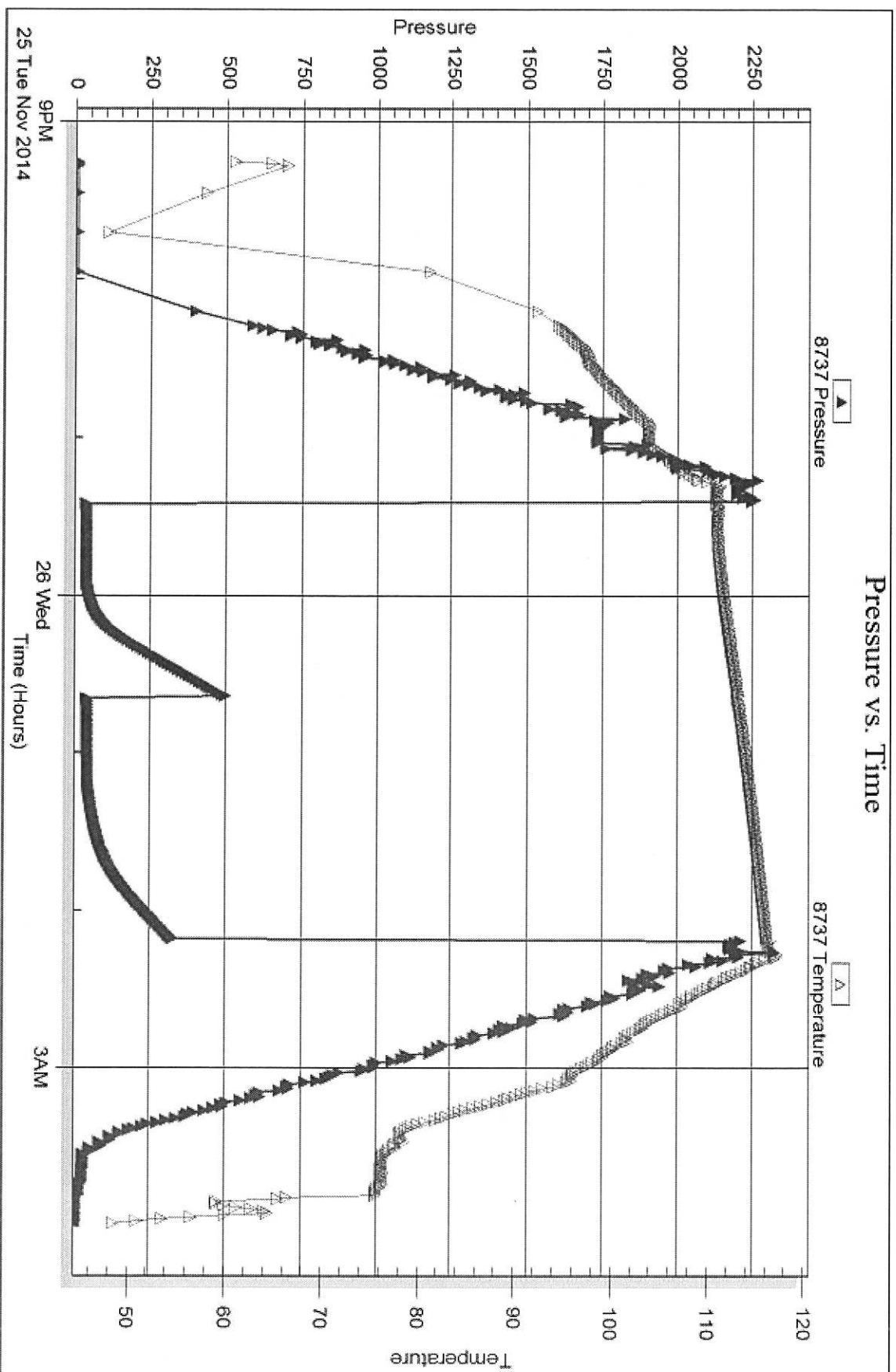
Printed: 2014, 11:28 @ 11:28:52

Serial #: 8737

Outside Landmark Resources Inc

Janzen #4-7

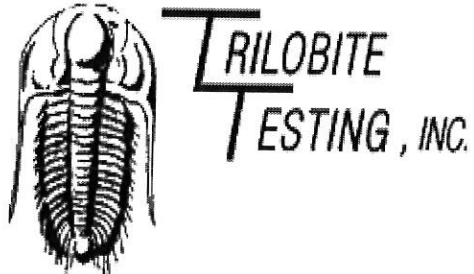
DST Test Number: 3



Trioble Testing, Inc

Ref. No: 59221

Printed: 2014.11.26 @ 11:26:52



DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc**

1616 S Voss rd STE 600
Houston TX 77057

ATTN: Terry McLeod

Janzen #4-7

7-17s-33w Scott,KS

Start Date: 2014.11.26 @ 16:06:15

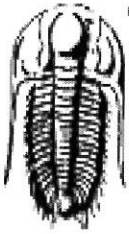
End Date: 2014.11.26 @ 22:47:30

Job Ticket #: 59222 DST #: 4

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

Printed: 2014.11.28 @ 11:28:15

Landmark Resources Inc
7-17s-33w Scott,KS
Janzen #4-7
DST # 4
Johnson
2014.11.26



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Landmark Resources Inc
 1616 S Voss rd STE 600
 Houston TX 77057
 ATTN: Terry McLeod

7-17s-33w Scott,KS
Janzen #4-7
 Job Ticket: 59222 DST#: 4
 Test Start: 2014.11.26 @ 16:06:15

GENERAL INFORMATION:

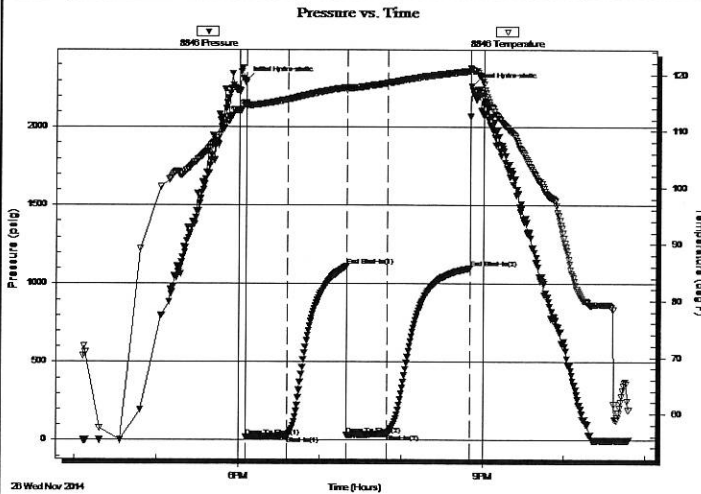
Formation: **Johnson**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:05:30
 Time Test Ended: 22:47:30
 Interval: **4657.00 ft (KB) To 4735.00 ft (KB) (TVD)**
 Total Depth: 4735.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Mike Roberts
 Unit No: 65
 Reference Elevations: 3096.00 ft (KB)
 3086.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8846

Inside

Press@RunDepth: 40.95 psig @ 4664.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.11.26 End Date: 2014.11.26 Last Calib.: 2014.11.26
 Start Time: 16:06:15 End Time: 22:47:30 Time On Btm: 2014.11.26 @ 18:05:15
 Time Off Btm: 2014.11.26 @ 20:51:15

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	2296.89	114.94	Initial Hydro-static
1	19.71	114.44	Open To Flow (1)
31	29.92	115.59	Shut-In(1)
75	1113.05	117.74	End Shut-In(1)
75	35.28	117.17	Open To Flow (2)
104	40.95	118.52	Shut-In(2)
165	1099.90	120.63	End Shut-In(2)
166	2259.71	120.94	Final Hydro-static

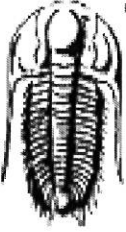
Recovery

Length (ft)	Description	Volume (bbl)
30.00	mud w ith oil spots 100%m	0.15

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Landmark Resources Inc

1616 S Voss rd STE 600
Houston TX 77057

ATTN: Terry McLeod

7-17s-33w Scott,KS

Janzen #4-7

Job Ticket: 59222

DST#: 4

Test Start: 2014.11.26 @ 16:06:15

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:05:30

Time Test Ended: 22:47:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: **4657.00 ft (KB) To 4735.00 ft (KB) (TVD)**

Total Depth: 4735.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3096.00 ft (KB)

3086.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8737 Outside

Press@RunDepth: psig @ 4664.00 ft (KB)

Start Date: 2014.11.26

End Date:

2014.11.26

Capacity: 8000.00 psig

Last Calib.:

2014.11.26

Start Time: 16:06:15

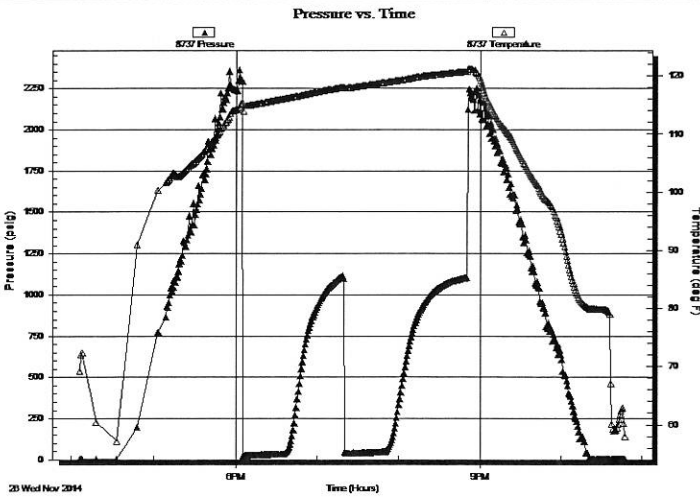
End Time:

22:47:45

Time On Btm:

Time Off Btm:

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

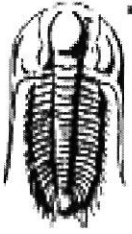
Recovery

Length (ft)	Description	Volume (bbl)
30.00	mud with oil spots 100% m	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 #4-7

Job Ticket: 59222

DST#: 4

ATTN: Terry McLeod

Test Start: 2014.11.26 @ 16:06:15

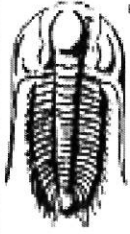
Tool Information

Drill Pipe:	Length: 4399.00 ft	Diameter: 3.80 inches	Volume: 61.71 bbl	Tool Weight: 2000.00 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: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 110000.0 lb
			<u>Total Volume: 62.89 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	1.00 ft			String Weight: Initial 90000.00 lb
Depth to Top Packer:	4657.00 ft			Final 91000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	78.00 ft			
Tool Length:	97.00 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			4639.00	
Shut In Tool	5.00			4644.00	
Hydraulic tool	5.00			4649.00	
Safety Joint	3.00			4652.00	
Packer	5.00			4657.00	19.00 Bottom Of Top Packer
Packer - Shale	0.00			4657.00	
Stubb	1.00			4658.00	
Perforations	6.00			4664.00	
Recorder	0.00	8846	Inside	4664.00	
Recorder	0.00	8737	Outside	4664.00	
Change Over Sub	1.00			4665.00	
Blank Spacing	64.00			4729.00	
Change Over Sub	1.00			4730.00	
Bullnose	5.00			4735.00	78.00 Anchor Tool

Total Tool Length: 97.00



**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 #4-7

Job Ticket: 59222

DST#: 4

ATTN: Terry McLeod

Test Start: 2014.11.26 @ 16:06:15

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: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.76 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	mud w ith oil spots 100%m	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 #: 8846

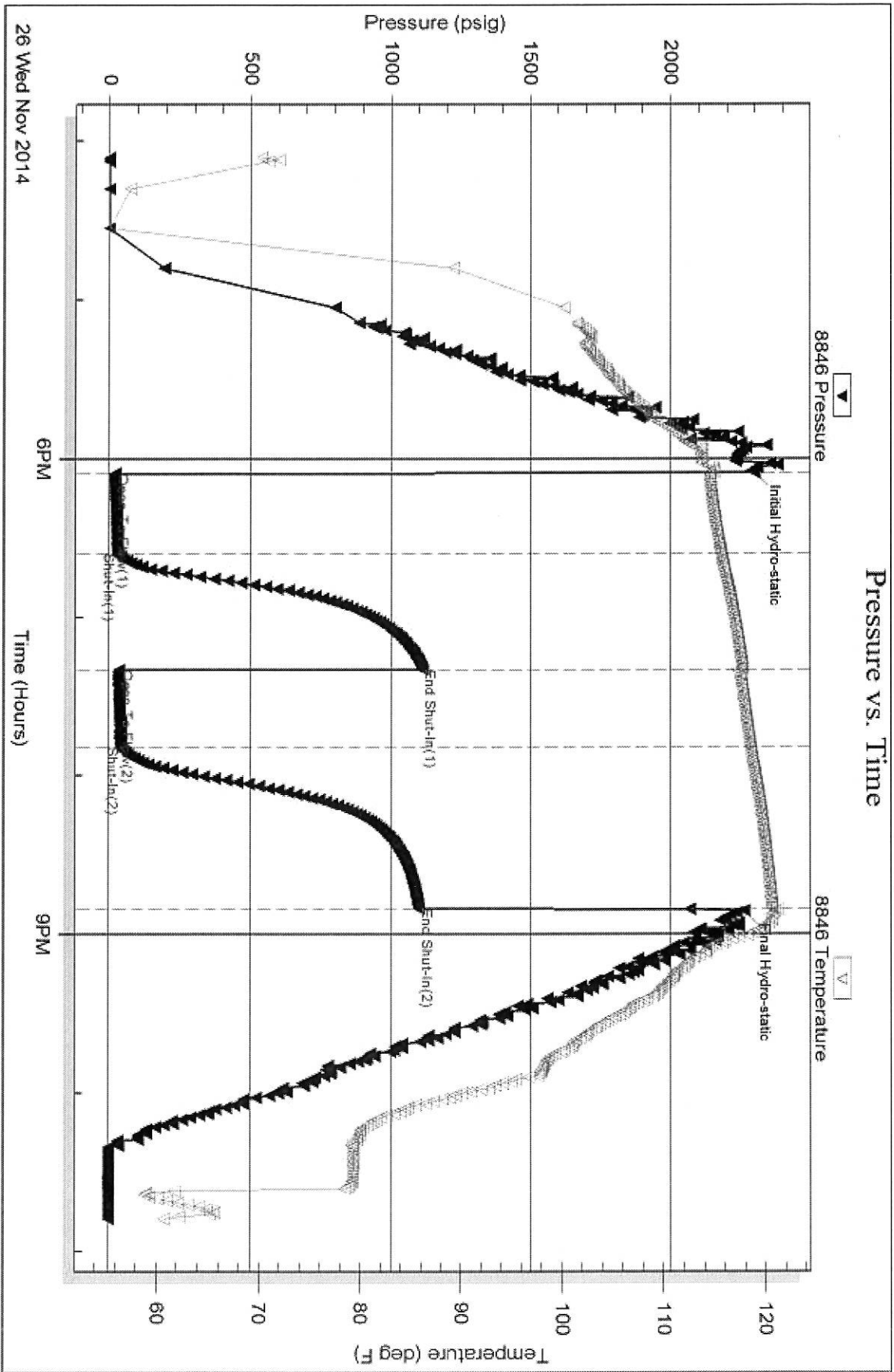
Inside

Landmark Resources Inc

Janzen #4-7

DST Test Number: 4

Pressure vs. Time



26 Wed Nov 2014

Tribble Testing, Inc

Ref. No: 59222

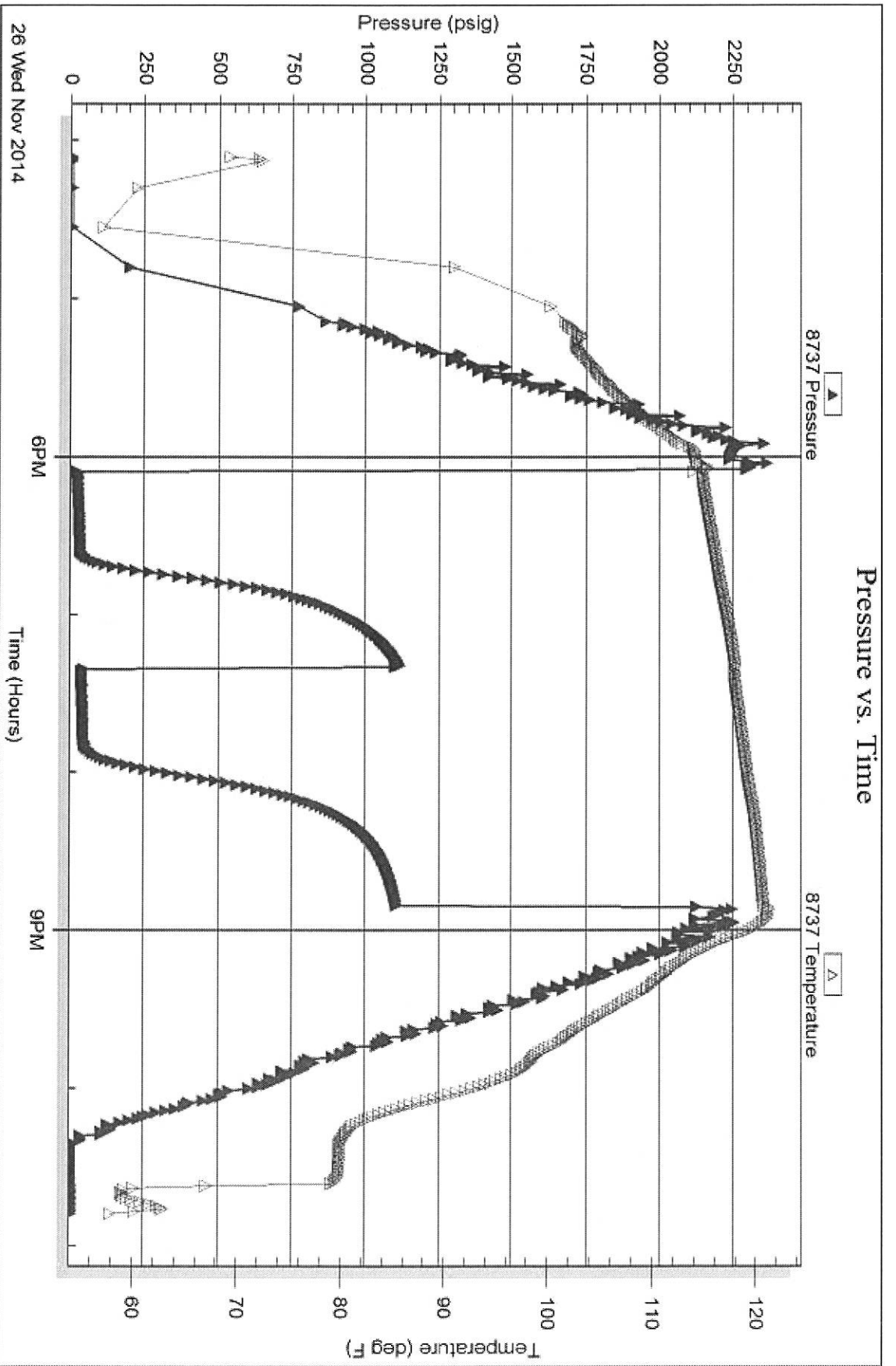
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Serial #: 8737

Outside Landmark Resources Inc

Janzen #4-7

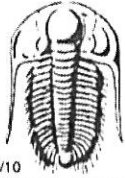
DST Test Number: 4



Triobite Testing, Inc

Ref. No: 59222

Printed: 2014, 11:28 @ 11:28:16



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60641

Well Name & No. Janzen # 4-7 Test No. 1 Date 11-24-14
 Company Landmark Resources, Inc Elevation 3085 KB 3075 GL
 Address 1616 S. VOSS Rd STE 600, Houston TX, 77057
 Co. Rep / Geo. _____ Rig Murfin 21
 Location: Sec. 7 Twp. 17s Rge. 33w Co. Scott State KS

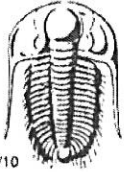
Interval Tested 4408 - 4475 Zone Tested Marmaton
 Anchor Length 67' Drill Pipe Run 4164 Mud Wt. 9.3
 Top Packer Depth 4403 Drill Collars Run 240' Vis 51
 Bottom Packer Depth 4408 Wt. Pipe Run - WL 7.2
 Total Depth 4475 Chlorides 4,000 ppm System LCM 3
 Blow Description IF-2" blow
ISI- No return
FF-1/4" blow
FBI- No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>HOCM</u>	<u>40</u>	<u>0</u>	<u>60</u>	<u>0</u>
<u>15</u>	<u>MCO - Thick oil</u>	<u>80</u>	<u>0</u>	<u>20</u>	<u>0</u>
	<u>124' G.I.P.</u>				

Rec Total 75' BHT 116° Gravity - API RW - @ - ° F Chlorides _____ ppm
 (A) Initial Hydrostatic 2267 Test 1250 T-On Location 0814
 (B) First Initial Flow 34 Jars _____ T-Started 0836
 (C) First Final Flow 47 Safety Joint 75 T-Open 1122
 (D) Initial Shut-In 908 Circ Sub _____ T-Pulled 1507
 (E) Second Initial Flow 57 Hourly Standby _____ T-Out 1723
 (F) Second Final Flow 64 Mileage 224RT 30rt 46.50 Comments _____
 (G) Final Shut-In 932 Sampler _____
 (H) Final Hydrostatic 2028 Straddle _____ Ruined Shale Packer _____
 Shale Packer 250 Ruined Packer _____
 Initial Open 30 Extra Packer _____ Extra Copies _____
 Initial Shut-In 45 Extra Recorder _____ Sub Total 0
 Final Flow 60 Day Standby _____ Total 1621.50
 Final Shut-In 90 Accessibility 1621.50 MP/DST Disc't _____
 Sub Total _____

Approved By _____ Our Representative Cody Kline

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. 60642

Well Name & No. Janzen #4-7 Test No. 2 Date 11-25-14
 Company Landmark Resources Inc Elevation 3085 KB 3075 GL
 Address 16165. VOSS rd STE 600, Houston TX, 77057
 Co. Rep / Geo. Terry Rig Murfin 21
 Location: Sec. 7 Twp. 17s Rge. 33w Co. Scott State KS

Interval Tested 4481 - 4522 Zone Tested _____
 Anchor Length 41' Drill Pipe Run 4229' Mud Wt. 9.3
 Top Packer Depth 4476 Drill Collars Run 240' Vis 51
 Bottom Packer Depth 4481 Wt. Pipe Run _____ WL 7.2
 Total Depth 4522 Chlorides 4,000 ppm System LCM 3

Blow Description IF - B.O.B. in 2 1/2 minutes
ISI - 2 1/2" blow
FF - B.O.B. in 7 minutes
FSI - 3" blow, dyed back to 1"

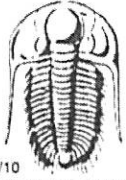
Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>60CM</u>	<u>30</u>	<u>20</u>	<u>50</u>	
<u>124</u>	<u>6HOCM</u>	<u>30</u>	<u>40</u>	<u>30</u>	
<u>248</u>	<u>6MCO</u>	<u>15</u>	<u>75</u>		
<u>248</u>	<u>6MCO</u>	<u>40</u>	<u>60</u>		
Rec _____	Feet of <u>1116' G.I.P</u>	%gas	%oil	%water	%mud

Rec Total 682' BHT 117° Gravity 31 API RW 29 @ 40° F Chlorides _____ ppm

(A) Initial Hydrostatic 2163 Test 1250 T-On Location 1205
 (B) First Initial Flow 133 Jars _____ T-Started 1220
 (C) First Final Flow 178 Safety Joint 75 T-Open 0304
 (D) Initial Shut-In 333 Circ Sub _____ T-Pulled 0639
 (E) Second Initial Flow 196 Hourly Standby _____ T-Out 0954
 (F) Second Final Flow 261 Mileage 224RT 46.50 Comments _____
 (G) Final Shut-In 334 Sampler _____
 (H) Final Hydrostatic 2257 Straddle _____ Ruined Shale Packer _____
 Shale Packer 250 Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1621.50
 Final Flow 60 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 90 Sub Total 1621.50

Approved By _____ Our Representative Cody Beck

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. 59221

Well Name & No. Janzen 4-7 Test No. 3 Date 11-25-14
 Company Landmark Resources Inc Elevation 3096 KB 3085 GL
 Address 1616 Voss Rd STE 600 Houston TX 77057
 Co. Rep / Geo. Terry McLeod Rig Martin 21
 Location: Sec. 7 Twp. 17 Rge. 33 Co. SCOTT State KS

Interval Tested 4545-4610 Zone Tested Myrickst Ft. Scott
 Anchor Length 65 Drill Pipe Run 4302 Mud Wt. 9.3
 Top Packer Depth 4540 Drill Collars Run 240 Vis 51
 Bottom Packer Depth 4545 Wt. Pipe Run φ WL 7.1
 Total Depth 4610 Chlorides 4000 ppm System LCM 3

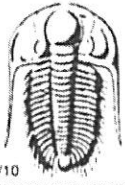
Blow Description IF: Built to 1/8" Blow
IS: NO Return Blow
FF: NO Blow
FS: NO Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</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	Feet of	%gas	%oil	%water	%mud

Rec Total 2 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2242</u>	<input checked="" type="checkbox"/> Test <u>1250.00</u>	T-On Location <u>20:10</u>
(B) First Initial Flow <u>32</u>	<input type="checkbox"/> Jars _____	T-Started <u>21:15</u>
(C) First Final Flow <u>34</u>	<input checked="" type="checkbox"/> Safety Joint <u>75.00</u>	T-Open <u>23:28</u>
(D) Initial Shut-In <u>497</u>	<input checked="" type="checkbox"/> Circ Sub _____	T-Pulled <u>02:10</u>
(E) Second Initial Flow <u>35</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>03:58</u>
(F) Second Final Flow <u>37</u>	<input checked="" type="checkbox"/> Mileage <u>30RT 46.50/-</u>	Comments _____
(G) Final Shut-In <u>318</u>	<input type="checkbox"/> Sampler _____	<input type="checkbox"/> Ruined Shale Packer _____
(H) Final Hydrostatic <u>2206</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250.00</u>	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer _____	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Total <u>1621.50</u>
Final Shut-In <u>600</u>	<input type="checkbox"/> Day Standby _____	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility _____	
	Sub Total <u>4621.50/-</u>	

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. 59222

Well Name & No. Janzen 4-7 Test No. ~~1111~~ 4 Date 11-26-14
 Company Landmark Resources Inc. Elevation 3096 KB 3085 GL
 Address 1616 Voss Rd STE 600 Houston TX 77057
 Co. Rep / Geo. Terry McLeod Rig Murkin 21
 Location: Sec. 7 Twp. 17 Rge. 33 Co. SCOTT State KS

Interval Tested 4657-4735 Zone Tested Johnson
 Anchor Length 78 Drill Pipe Run 4399 Mud Wt. 9.4
 Top Packer Depth 4652 Drill Collars Run 240 Vis 50
 Bottom Packer Depth 4657 Wt. Pipe Run Ø WL 8.8
 Total Depth 4735 Chlorides 6000 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>30</u>	<u>MUD with oil spots</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

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

- (A) Initial Hydrostatic 2296
- (B) First Initial Flow 19
- (C) First Final Flow 29
- (D) Initial Shut-In 1113
- (E) Second Initial Flow 35
- (F) Second Final Flow 40
- (G) Final Shut-In 1099
- (H) Final Hydrostatic 2259

- Test \$120.00
- Jars
- Safety Joint \$75.00/-
- Circ Sub
- Hourly Standby
- Mileage 30RT = \$46.50/-
- Sampler
- Straddle
- Shale Packer \$250.00/-
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total \$1621.50/-

T-On Location 15:00
 T-Started 16:06
 T-Open 18:05
 T-Pulled 20:50
 T-Out 22:47

Comments _____
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1621.50
 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.



PO Box 93999
Southlake, TX 76092

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

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

Pd.
12/01/14
FF
47275
\$7710.35

INVOICE

Invoice Number: 147218
Invoice Date: Nov 19, 2014
Page: 1

Federal Tax I.D.#: 20-8651475

Customer ID	Field Ticket #	Payment Terms	
Land	65142	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Great Bend	Nov 19, 2014	12/19/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Janzen #4-7		
230.00	CEMENT MATERIALS	Class A Common	17.90	4,117.00
432.00	CEMENT MATERIALS	Gel	0.50	216.00
648.00	CEMENT MATERIALS	Chloride	1.10	712.80
248.71	CEMENT SERVICE	Cubic Feet Charge	2.48	616.80
510.74	CEMENT SERVICE	Ton Mileage Charge	2.75	1,404.54
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	Joshua Isaac		
1.00	OPERATOR ASSISTANT	Daniel Casper		

Subtotal	9,123.89
Sales Tax	411.23
Total Invoice Amount	9,535.12
Payment/Credit Applied	
TOTAL	9,535.12

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

\$ 1,824.77

ONLY IF PAID ON OR BEFORE
Dec 19, 2014

ALLIED OIL & GAS SERVICES, LLC 065142

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Great Bend

DATE <u>11-19-14</u>	SEC. <u>7</u>	TWP. <u>17</u>	RANGE <u>33</u>	CALLED OUT	ON LOCATION <u>4:30 PM</u>	JOB START <u>10 AM</u>	JOB FINISH <u>10:30 PM</u>
LEASE <u>Jarzen</u>	WELL# <u>U-7</u>	LOCATION <u>83/4 XT - 54w - Siatp</u>	COUNTY <u>Scott</u>	STATE <u>KS</u>			
OLD OR NEW (Circle one)							

CONTRACTOR Murfin

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D.

CASING SIZE 8 3/4 DEPTH 265

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15 FT

PERFS.

DISPLACEMENT 15.92 bbl H2O

OWNER _____

CEMENT

AMOUNT ORDERED 230 5x class A 3 1/2 cc Zigel

COMMON	<u>230</u>	@ <u>17.90</u>	<u>4,117.00</u>
POZMIX		@	
GEL	<u>432</u>	@ <u>.50</u>	<u>216.00</u>
CHLORIDE	<u>648</u>	@ <u>1.10</u>	<u>712.80</u>
ASC		@	
Materials Total			<u>5,045.80</u>
Disc <u>20%</u>			<u>1,009.16</u>
Service			
HANDLING <u>248.71</u>			@ <u>2.48</u> <u>616.80</u>
MILEAGE <u>11.35 x 45 x</u>			@ <u>2.75</u> <u>1,404.50</u>

REMARKS:

on location - rig up - had safety meeting
run 8 3/4 casing - break circulation
pump 5 bbl H2O
mix 230 5x class A 3 1/2 cc Zigel
Displace 15.92 bbl H2O
Shot in
Cement did circulate
Rig down

DEPTH OF JOB _____

PUMP TRUCK CHARGE 1512.25

EXTRA FOOTAGE @ _____

MILEAGE Hum 45 @ 7.70 346.50

MANIFOLD @ _____

Hum 45 @ 4.40 198.00

CHARGE TO: Landmark Resources

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL 2,674.95
Disc 20% 534.99

PLUG & FLOAT EQUIPMENT

_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____

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 X Juan Tinoco

SIGNATURE X Juan Tinoco

SALES TAX (If Any) _____

TOTAL CHARGES 7,720.75

DISCOUNT 20% 1,544.15 (20/20/0) IF PAID IN 30 DAYS

6,176.60

TOTAL 0
Disc 0%



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 147342
Invoice Date: Nov 28, 2014
Page: 1

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

Federal Tax I.D.#: 20-8651475

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

Customer ID	Field Ticket #	Payment Terms	
Land	65149	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Great Bend	Nov 28, 2014	12/28/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Janzen #4-7		
595.00	CEMENT MATERIALS	60/40/8% Gel Blend	19.89	11,834.55
298.00	CEMENT MATERIALS	Flo Seal	2.97	885.06
683.10	CEMENT SERVICE	Cubic Feet Charge	2.48	1,694.09
1,250.10	CEMENT SERVICE	Ton Mileage Charge	2.75	3,437.78
1.00	CEMENT SERVICE	Production -- 2nd Stage	2,443.75	2,443.75
1.00	CEMENT SERVICE	Manifold Rental	275.00	275.00
1.00	CEMENT SUPERVISOR	Joshua Isaac		
1.00	EQUIPMENT OPERATOR	Ben Newell		

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

\$ 5,142.56

ONLY IF PAID ON OR BEFORE
Dec 28, 2014

Subtotal	000	20,570.23
Sales Tax		1,036.65
Total Invoice Amount		21,606.88
Payment/Credit Appl		
TOTAL		21,606.88

21,606.88+
5,142.56-

16,464.32**

ALLIED OIL & GAS SERVICES, LLC 065149

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Great Bend

DATE <u>11-29-14</u>	SEC. <u>7</u>	TWP. <u>17</u>	RANGE <u>33</u>	CALLED OUT	ON LOCATION <u>5:00 AM</u>	JOB START <u>11 AM</u>	JOB FINISH <u>11:30 AM</u>
LEASE <u>Jordan</u>		WELL # <u>4-7</u>	LOCATION <u>Scott city N to 83/4 Hwy</u>			COUNTY <u>Scott</u>	STATE <u>Ks</u>
OLD OR <u>NEW</u> (Circle one)			<u>5 1/4 W Sixto</u>				

CONTRACTOR Mustin
 TYPE OF JOB Production - 2nd stage
 HOLE SIZE 2 7/8 T.D.
 CASING SIZE 5 1/2 DEPTH
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH 2413
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG.
 PERFS.
 DISPLACEMENT 57.42 bbl H2O

OWNER
 CEMENT
 AMOUNT ORDERED 595 sx 60/40 8 1/2 gal 1/4 flt
 COMMON @
 POZMIX @
 GEL @
 CHLORIDE @
 ASC @
595 sx 60/40 + 8 1/2 @ 19.82 11.834.55
flt @ 2.97 885.95
Mustin Total 12.719.51
Dis 25% 3.179.90
 @
 @
 @
 @
 @
 HANDLING 683.10 @ 2.48 1.694.99
 MILEAGE 27.78 x 45 x 2.75 3.437.78

EQUIPMENT

PUMP TRUCK CEMENTER Josh Isaac
 # 366 HELPER Bennett
 BULK TRUCK
 # 890 DRIVER Anthony Espinoza (TWS)
 BULK TRUCK
 # 566 DRIVER Juan Gomez (TWS)

REMARKS:

Drop start - open tool - pressure up psi
Circulate mud
plug RH & MH
mix 550 sx 60/40 8 1/2 gal 1/4 flt
Drop plug
Displace 57.42 bbl H2O
Land plug 1300 psi - 11:15 AM
Rig down

DEPTH OF JOB
 PUMP TRUCK CHARGE 2443.70
 EXTRA FOOTAGE @
 MILEAGE @
 MANIFOLD @ 275.00 275.00
 @
 @

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

TOTAL 7.850.62
Dis 25% 1.962.66

PLUG & FLOAT EQUIPMENT

 @ _____
 @ _____
 @ _____
 @ _____
 @ _____

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 Susan Walker
 SIGNATURE [Signature]

TOTAL Dis 0%
 SALES TAX (If Any) _____
 TOTAL CHARGES 20.570.33
 DISCOUNT 25% 5.142.56 (25/25%)
 IE PAID IN 30 DAYS
15.427.67



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 147341
Invoice Date: Nov 28, 2014
Page: 1

Federal Tax I.D.#: 20-8651475

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

Customer ID	Field Ticket #	Payment Terms	
Land	65148	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Great Bend	Nov 28, 2014	12/28/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Janzen #4-7		
150.00	CEMENT MATERIALS	ASC	23.50	3,525.00
750.00	CEMENT MATERIALS	Kol Seal	0.98	735.00
500.00	CEMENT MATERIALS	DV-1100	1.35	675.00
191.54	CEMENT SERVICE	Cubic Feet Charge	2.48	475.02
376.20	CEMENT SERVICE	Ton Mileage Charge	2.75	1,034.55
1.00	CEMENT SERVICE	Production Casing	2,765.75	2,765.75
45.00	CEMENT SERVICE	Pump Truck Mileage	7.70	346.50
1.00	CEMENT SERVICE	Manifold Rental	275.00	275.00
45.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	198.00
1.00	EQUIPMENT SALES	5-1/2 Latch Down Plug	660.00	660.00
1.00	EQUIPMENT SALES	5-1/2 AFU Float Shoe	545.00	545.00
13.00	EQUIPMENT SALES	5-1/2 Centralizer	57.00	741.00
3.00	EQUIPMENT SALES	5-1/2 Basket	395.00	1,185.00
1.00	EQUIPMENT SALES	5-1/2 D V Tool	5,335.00	5,335.00
1.00	CEMENT SUPERVISOR	Joshua Isaac		
1.00	EQUIPMENT OPERATOR	Ben Newell		
0 * *				

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

\$ 2,507.46

ONLY IF PAID ON OR BEFORE
Dec 28, 2014

Sub	19,588.00 +	18,495.82
Sale	2,507.46 -	1,092.18
Total	000	19,588.00
Pay	17,080.54 **	
TO		19,588.00

ALLIED OIL & GAS SERVICES, LLC 065148

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Great Bend

DATE <u>11-28-14</u>	SEC. <u>7</u>	TWP. <u>17</u>	RANGE <u>33</u>	CALLED OUT	ON LOCATION <u>3:30pm</u>	JOB START <u>4:30 AM</u>	JOB FINISH <u>5 PM</u>
LEASE <u>Janzen</u>	WELL# <u>4-7</u>	LOCATION <u>Scottsby N to 83/4 Hwy</u>			COUNTY <u>Scott</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>		S ¹ / ₄ W - S ¹ / ₄ E					

CONTRACTOR Murfin
 TYPE OF JOB Production
 HOLE SIZE 2 7/8 T.D.
 CASING SIZE 5 1/2 DEPTH 4841
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH 2413
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 42.20
 CEMENT LEFT IN CSG. 42.20
 PERFS.
 DISPLACEMENT 114.21 bbl H₂O / mud

OWNER
 CEMENT
 AMOUNT ORDERED 150 sx ASC 2 1/2 gal
10% salt 6 1/2 gal 5# kel
 COMMON @
 POZMIX @
 GEL @
 CHLORIDE @
 ASC 150 @ 23.50 3,525.00
Kel Seal 750 @ .94 735.00
DV-1100 500 @ 1.35 675.00
Material Total 4,935.00
Dial - 25% 1,233.75
 @
 @
Service
 @
 HANDLING 191.54 @ 2.48 475.02
 MILEAGE 8.36 x 45 x 2.75 1,034.55

EQUIPMENT

PUMP TRUCK CEMENTER Josh Isaac
 # 366 HELPER Ben Newell
 BULK TRUCK
 # 566-895 DRIVER Juan Tamez (TWS)
 BULK TRUCK
 # 890-241 DRIVER Anthony Espinoza (TWS)

REMARKS:

On location - Rig up - had safety meeting
run 5% casing - Break circulation
pump to bbl DV1100
mix 150 sx ASC 2 1/2 gal 10% salt 6 1/2 gal 5# kel
Drop plug
Displace 56.28 bbl H₂O / Displace 57.142 bbl mud
Plug did not land - @ - 5 AM
Shut in - Wait 4 hrs

DEPTH OF JOB
 PUMP TRUCK CHARGE 2,765.75
 EXTRA FOOTAGE @
 MILEAGE Hum 45 @ 7.70 346.50
 MANIFOLD @ 275.00 275.00
Hum 45 @ 4.40 198.00
 @

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

TOTAL 5,094.82
 Dial 25% 1,273.71

PLUG & FLOAT EQUIPMENT

Latch down plug 660.00
Afu float shoe @ 545.00 545.00
13 Centralizers @ 57.00 741.00
3 Baskets @ 395.00 1,185.00
DV Tool @ 535.00 5,335.00
 @

TOTAL 8,466.00
 Dial 0% 0

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.

SALES TAX (If Any) _____
 TOTAL CHARGES 18,495.82
2,507.46 (252610)
 DISCOUNT _____ IF PAID IN 30 DAYS
15,988.36

PRINTED NAME Josh Isaac
 SIGNATURE [Signature]