



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1134005
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: _____



1134005

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

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

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

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

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

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

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

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

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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Whitham 1-32
Doc ID	1134005

All Electric Logs Run

Borehole Compensated Sonic
Microresistivity
Dual Induction
Dual Compensated Porosity

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Whitham 1-32
Doc ID	1134005

Tops

Name	Top	Datum
Anhydrite	2470	841
B/Anhydrite	2487	824
Topeka	3700	-389
Heebner	3940	-629
Toronto	3960	-649
Lansing	3994	-683
C	4034	-723
D	4048	-737
F	4090	-779
Muncie Creek	4168	-857
H	4176	-865
I	4213	-902
J	4226	-915
Stark Shale	4254	-943
K	4264	-953
L	4307	-996
BKC	4345	-1034
Marmaton	4407	-1096
Altamont	4436	-1125
Pawnee	4496	-1185
Myrick Station	4534	-1223
Fort Scott	4547	-1236
Cherokee	4574	-1263
Johnson Zone	4614	-1303

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Whitham 1-32
Doc ID	1134005

Tops

Name	Top	Datum
Missippian	4808	-1497

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

April 17, 2013

Jeff Wood
Landmark Resources, Inc.
1616 S VOSS RD STE 600
HOUSTON, TX 77057-2641

Re: ACO1
API 15-203-20214-00-00
Whitham 1-32
NW/4 Sec.32-16S-36W
Wichita County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Jeff Wood



DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc.**

1616 S. Voss Rd STE 600
Houston TX 77057

ATTN: Terry McLead

Whitham #1-32

32-16s-36w Wichita,KS

Start Date: 2013.03.31 @ 19:28:00

End Date: 2013.04.01 @ 03:07:39

Job Ticket #: 49798 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.04.11 @ 16:26:11



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Landmark Resources Inc.

32-16s-36w Wichita, KS

1616 S. Voss Rd STE 600
Houston TX 77057

Whitham #1-32

Job Ticket: 49798

DST#: 1

ATTN: Terry McLead

Test Start: 2013.03.31 @ 19:28:00

GENERAL INFORMATION:

Formation: **LKC " A - C "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:26:55

Time Test Ended: 03:07:39

Test Type: Conventional Bottom Hole (Initial)

Tester: Will MacLean

Unit No: 58

Interval: 3989.00 ft (KB) To 4060.00 ft (KB) (TVD)

Reference Elevations: 3311.00 ft (KB)

Total Depth: 4060.00 ft (KB) (TVD)

3300.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8674

Inside

Press @ Run Depth: 785.37 psig @ 3990.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.31

End Date:

2013.04.01

Last Calib.:

2013.04.01

Start Time: 19:28:00

End Time:

03:07:39

Time On Btm:

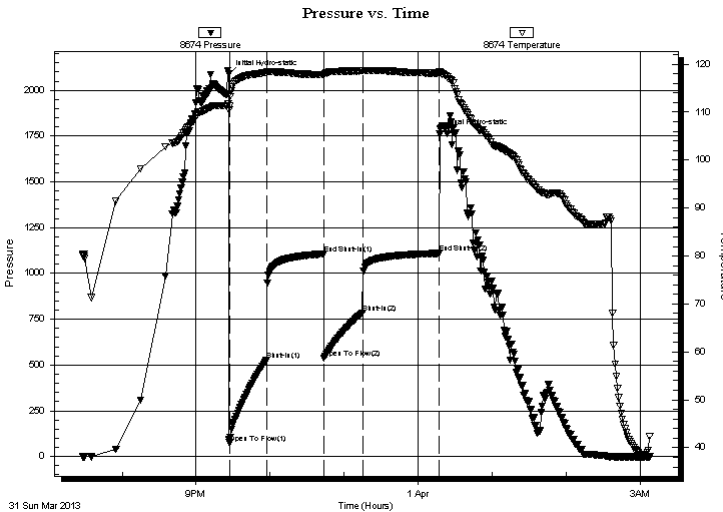
2013.03.31 @ 21:26:25

Time Off Btm:

2013.04.01 @ 00:17:24

TEST COMMENT: IF- Surface Blow Built to BOB in 2 1/2 min
IS- No Blow
FF- Surface Blow Built to BOB in 5 1/4 min
FS- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2088.75	111.74	Initial Hydro-static
1	74.56	111.27	Open To Flow (1)
31	526.43	118.21	Shut-In(1)
77	1106.73	117.85	End Shut-In(1)
77	537.81	117.58	Open To Flow (2)
109	785.37	118.60	Shut-In(2)
171	1110.12	118.10	End Shut-In(2)
171	1761.62	118.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
842.00	MCW 8% <i>m</i> 92% <i>w</i>	9.40
378.00	MCW 18% <i>m</i> 82% <i>w</i>	5.30
315.00	MCW 35% <i>m</i> 65% <i>w</i>	4.42
229.00	WCM 47% <i>w</i> 53% <i>m</i>	3.21

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Landmark Resources Inc.

32-16s-36w Wichita, KS

1616 S. Voss Rd STE 600
Houston TX 77057

Whitham #1-32

Job Ticket: 49798

DST#: 1

ATTN: Terry McLead

Test Start: 2013.03.31 @ 19:28:00

Tool Information

Drill Pipe:	Length: 3726.00 ft	Diameter: 3.80 inches	Volume: 52.27 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: 26000.00 lb
Drill Collar:	Length: 265.00 ft	Diameter: 2.25 inches	Volume: 1.30 bbl	Weight to Pull Loose: 10000.00 lb
			<u>Total Volume: 53.57 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3989.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	71.00 ft			
Tool Length:	99.00 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			3962.00	
Shut In Tool	5.00			3967.00	
Hydraulic tool	5.00			3972.00	
Jars	5.00			3977.00	
Safety Joint	3.00			3980.00	
Packer	5.00			3985.00	28.00 Bottom Of Top Packer
Packer	4.00			3989.00	
Stubb	1.00			3990.00	
Recorder	0.00	8355	Outside	3990.00	
Recorder	0.00	8674	Inside	3990.00	
Perforations	29.00			4019.00	
Change Over Sub	1.00			4020.00	
Drill Pipe	32.00			4052.00	
Change Over Sub	1.00			4053.00	
Perforations	4.00			4057.00	
Bullnose	3.00			4060.00	71.00 Bottom Packers & Anchor
Total Tool Length:	99.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources Inc.

32-16s-36w Wichita,KS

1616 S. Voss Rd STE 600
Houston TX 77057

Whitham #1-32

Job Ticket: 49798

DST#: 1

ATTN: Terry McLead

Test Start: 2013.03.31 @ 19:28:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 56.00 sec/qt
Water Loss: 8.71 in³
Resistivity: ohm.m
Salinity: 3200.00 ppm
Filter Cake: 1.00 inches

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

Oil API: deg API
Water Salinity: 43000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
842.00	MCW 8%m 92%w	9.397
378.00	MCW 18%m 82%w	5.302
315.00	MCW 35%m 65%w	4.419
229.00	WCM 47%w 53%m	3.212

Total Length: 1764.00 ft Total Volume: 22.330 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

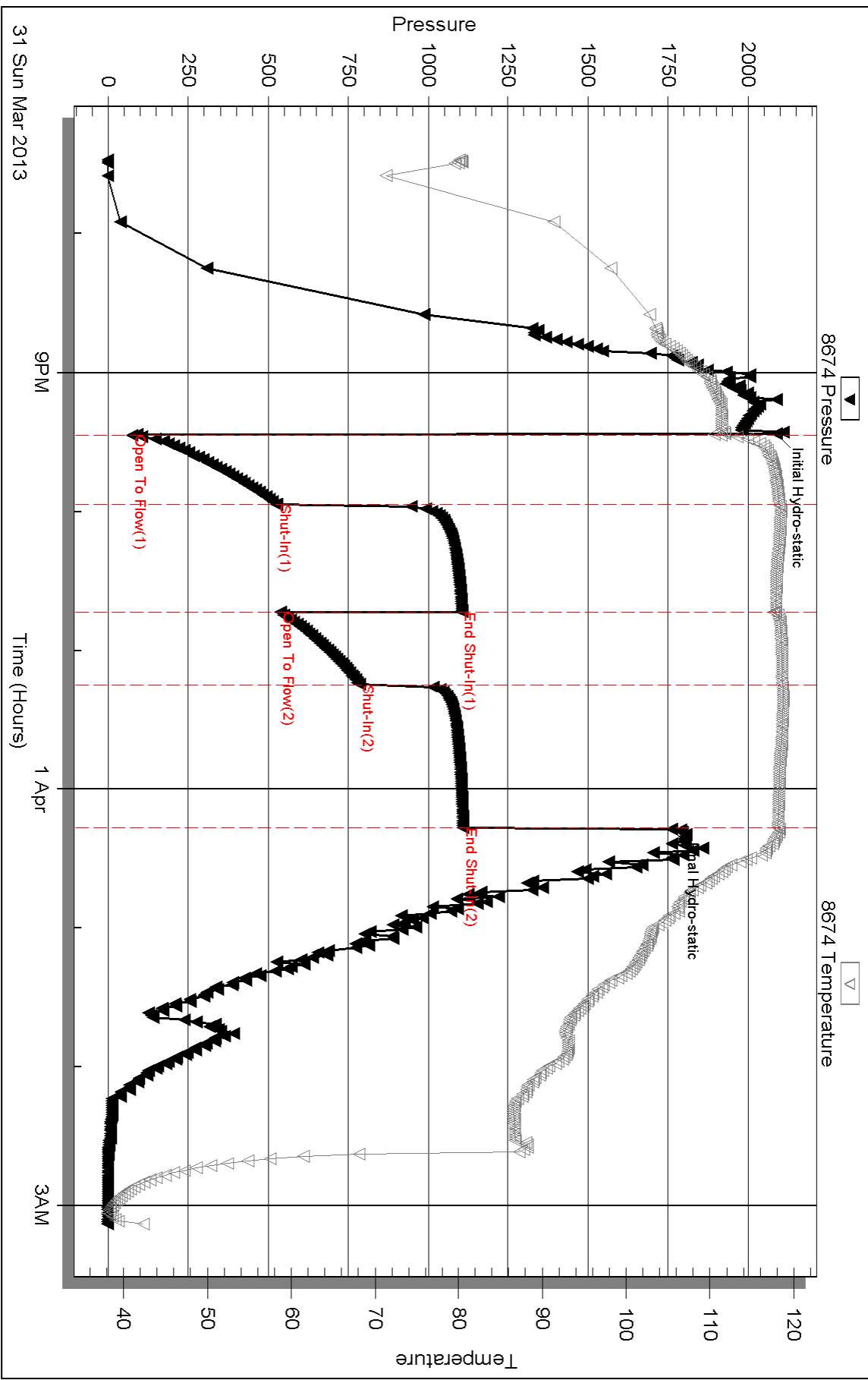
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW is .296 @ 39f = 43000

Pressure vs. Time

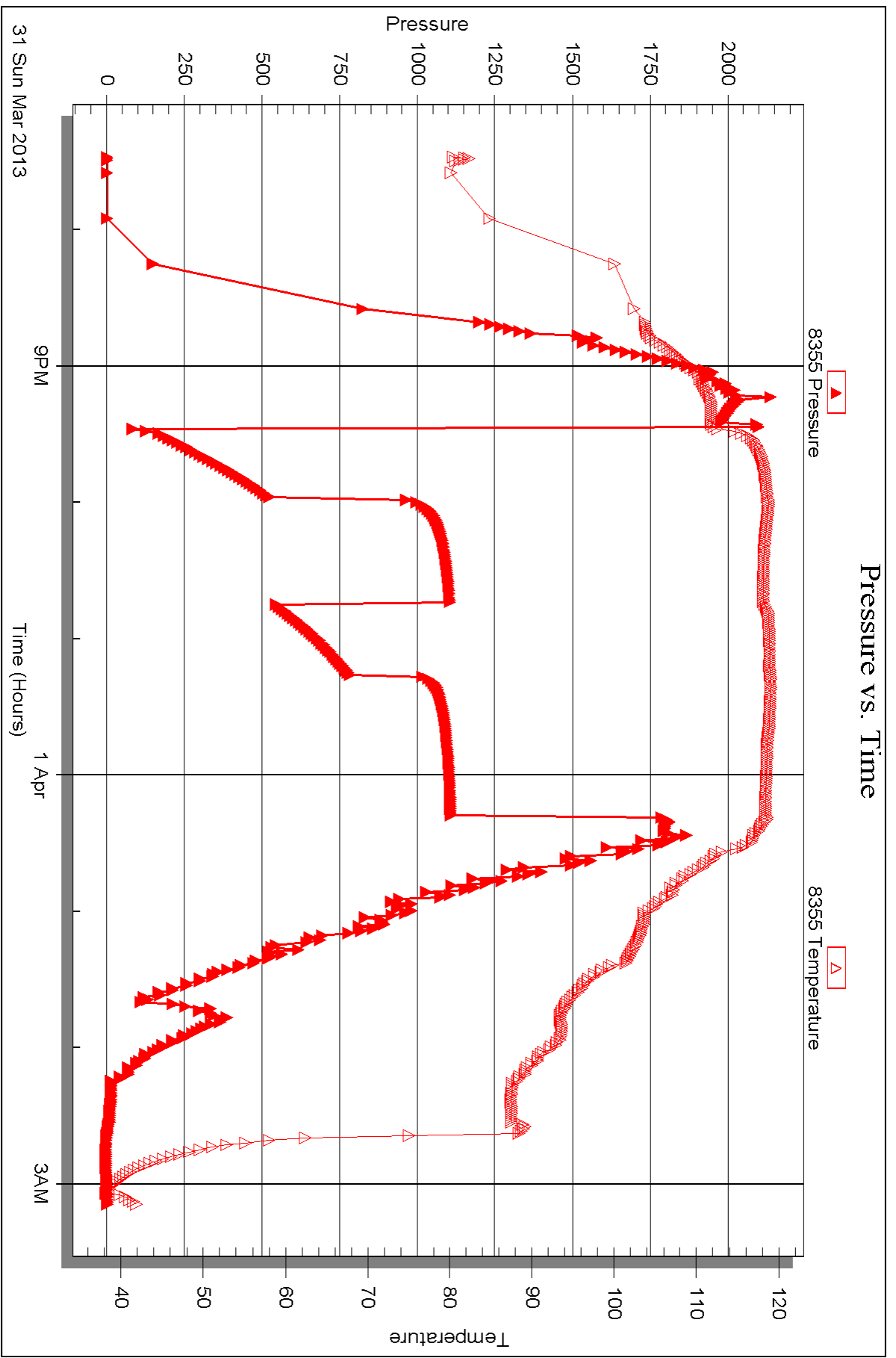


Serial #: 8355

Outside Landmark Resources Inc.

Whitham #1-32

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 49798

Printed: 2013.04.11 @ 16:26:14



DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc.**

1616 S. Voss Rd STE 600
Houston TX 77057

ATTN: Terry McLead

Whitham #1-32

32-16s-36w Wichita,KS

Start Date: 2013.04.01 @ 10:30:00

End Date: 2013.04.01 @ 17:09:24

Job Ticket #: 49799 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.04.11 @ 16:25:29



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Landmark Resources Inc.

32-16s-36w Wichita, KS

1616 S. Voss Rd STE 600
Houston TX 77057

Whitham #1-32

Job Ticket: 49799

DST#: 2

ATTN: Terry McLead

Test Start: 2013.04.01 @ 10:30:00

GENERAL INFORMATION:

Formation: **LKC " E - F "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:23:40

Time Test Ended: 17:09:24

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 58

Interval: 4080.00 ft (KB) To 4101.00 ft (KB) (TVD)

Reference Elevations: 3311.00 ft (KB)

Total Depth: 4101.00 ft (KB) (TVD)

3300.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8674

Inside

Press @ Run Depth: 227.25 psig @ 4083.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.04.01

End Date:

2013.04.01

Last Calib.:

2013.04.01

Start Time: 10:30:00

End Time:

17:09:24

Time On Btm:

2013.04.01 @ 12:23:25

Time Off Btm:

2013.04.01 @ 15:00:09

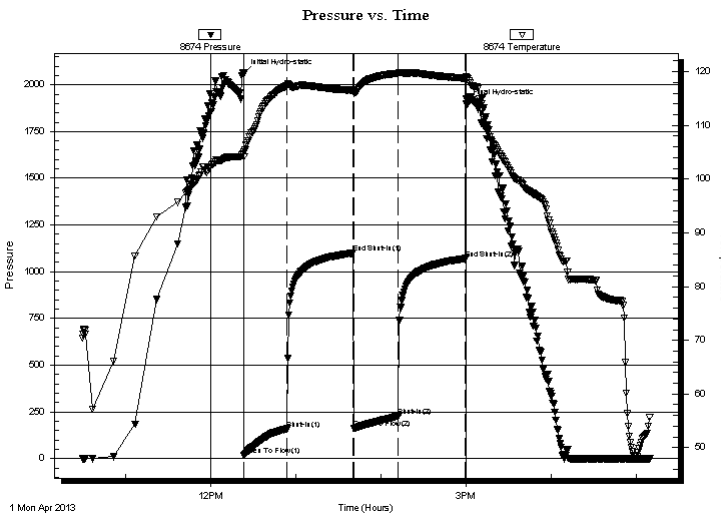
TEST COMMENT: IF- Weak Surface Blow Built to 10 1/2"

IS- No Blow

FF- Weak Surface Blow Built to 3/4"

FS- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2058.28	105.14	Initial Hydro-static
1	17.23	104.19	Open To Flow (1)
31	158.75	117.40	Shut-In(1)
77	1099.03	116.49	End Shut-In(1)
78	160.90	116.15	Open To Flow (2)
109	227.25	119.71	Shut-In(2)
157	1070.34	118.80	End Shut-In(2)
157	1899.59	119.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
235.00	MCW 7% <i>m</i> 93% <i>w</i>	1.16
126.00	MCW 15% <i>m</i> 85% <i>w</i>	1.49
78.00	WCM 42% <i>w</i> 58% <i>m</i>	1.09

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.

32-16s-36w Wichita,KS

1616 S. Voss Rd STE 600
Houston TX 77057

Whitham #1-32

Job Ticket: 49799

DST#: 2

ATTN: Terry McLead

Test Start: 2013.04.01 @ 10:30:00

Tool Information

Drill Pipe:	Length: 3823.00 ft	Diameter: 3.80 inches	Volume: 53.63 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: 24000.00 lb
Drill Collar:	Length: 265.00 ft	Diameter: 2.25 inches	Volume: 1.30 bbl	Weight to Pull Loose: 18000.00 lb
			<u>Total Volume: 54.93 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4080.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	43.00 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			4059.00	
Shut In Tool	5.00			4064.00	
Hydraulic tool	5.00			4069.00	
Safety Joint	2.00			4071.00	
Packer	5.00			4076.00	22.00 Bottom Of Top Packer
Packer	4.00			4080.00	
Stubb	1.00			4081.00	
Perforations	2.00			4083.00	
Recorder	0.00	8355	Outside	4083.00	
Recorder	0.00	8674	Inside	4083.00	
Perforations	15.00			4098.00	
Bullnose	3.00			4101.00	21.00 Bottom Packers & Anchor

Total Tool Length: 43.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources Inc.

32-16s-36w Wichita,KS

1616 S. Voss Rd STE 600
Houston TX 77057

Whitham #1-32

Job Ticket: 49799

DST#: 2

ATTN: Terry McLead

Test Start: 2013.04.01 @ 10:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

4000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.53 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
235.00	MCW 7%m 93%w	1.156
126.00	MCW 15%m 85%w	1.494
78.00	WCM 42%w 58%m	1.094

Total Length: 439.00 ft Total Volume: 3.744 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW is .203 @ 61f = 40000

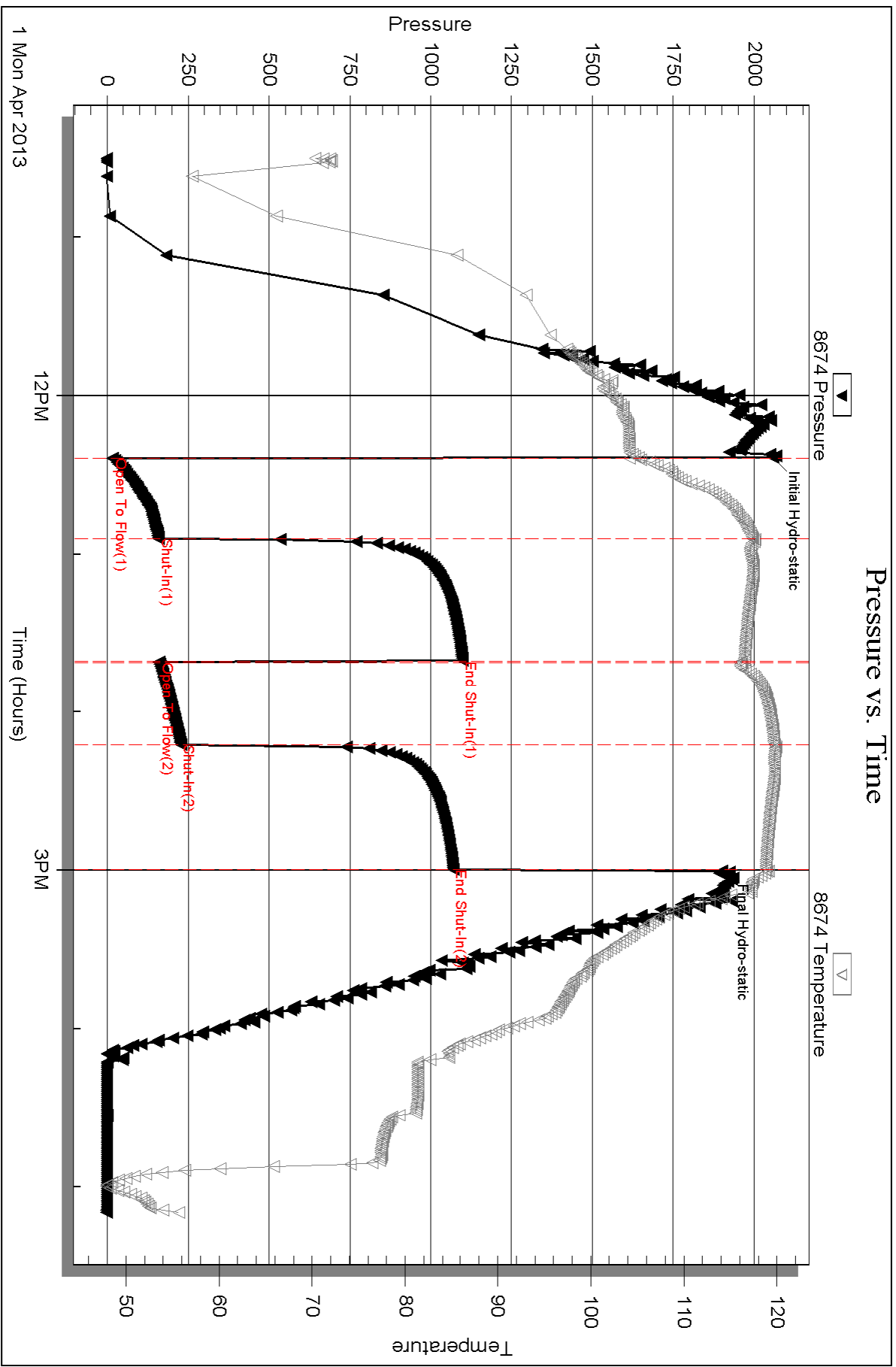
Serial #: 8674

Inside

Landmark Resources Inc.

Whitham #1-32

DST Test Number: 2

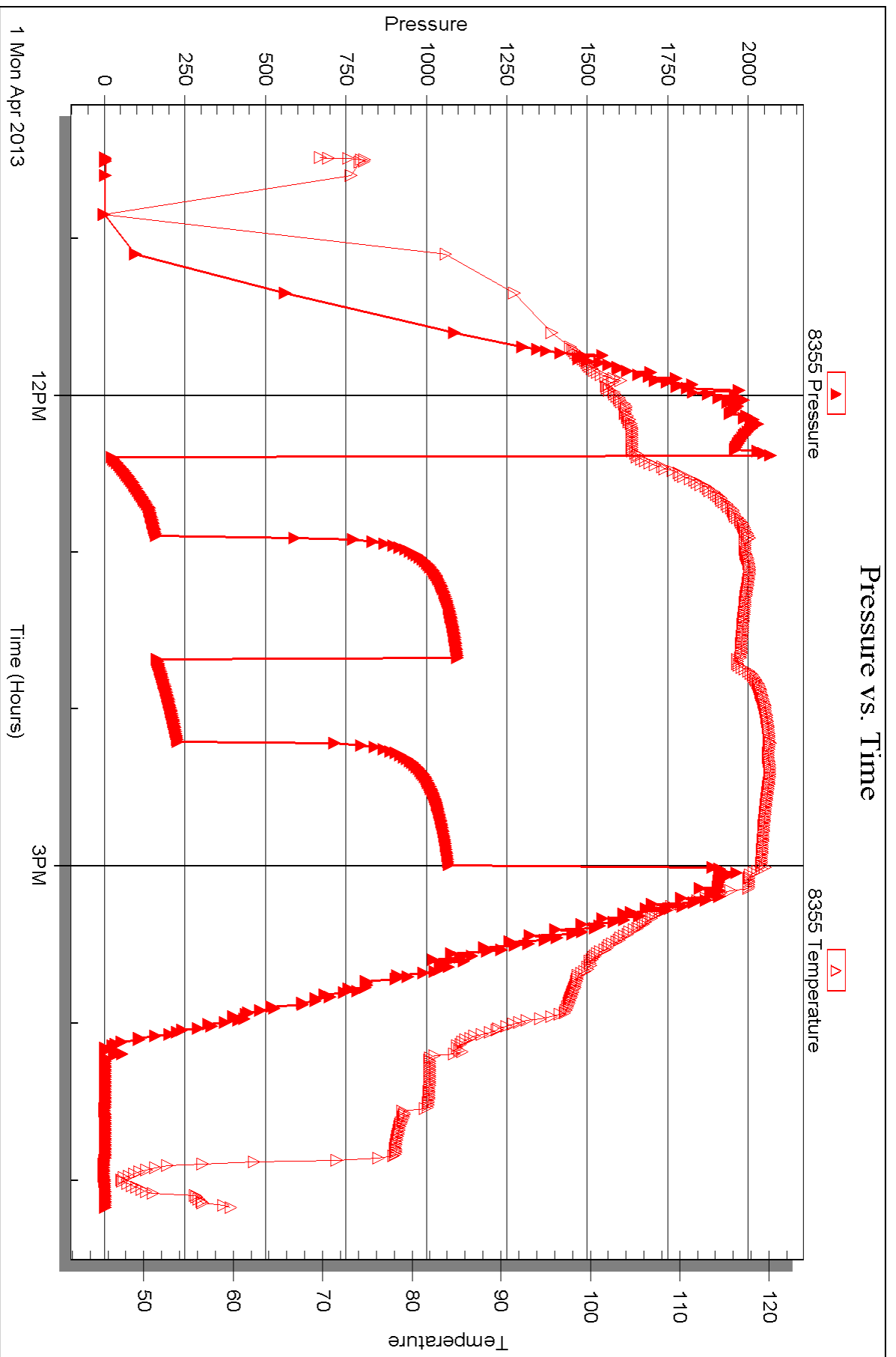


Serial #: 8355

Outside Landmark Resources Inc.

Whitham #1-32

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc.**

1616 S. Voss Rd STE 600
Houston TX 77057

ATTN: Terry McLead

Whitham #1-32

32-16s-36w Wichita,KS

Start Date: 2013.04.02 @ 10:18:00

End Date: 2013.04.02 @ 17:23:39

Job Ticket #: 49800 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.04.11 @ 16:24:46



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Landmark Resources Inc.

32-16s-36w Wichita, KS

1616 S. Voss Rd STE 600
Houston TX 77057

Whitham #1-32

Job Ticket: 49800

DST#: 3

ATTN: Terry McLead

Test Start: 2013.04.02 @ 10:18:00

GENERAL INFORMATION:

Formation: **LKC "I - J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:24:40

Time Test Ended: 17:23:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 58

Interval: 4200.00 ft (KB) To 4260.00 ft (KB) (TVD)

Reference Elevations: 3311.00 ft (KB)

Total Depth: 4260.00 ft (KB) (TVD)

3300.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8674

Inside

Press @ Run Depth: 132.58 psig @ 4203.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.04.02

End Date:

2013.04.02

Last Calib.:

2013.04.02

Start Time: 10:18:00

End Time:

17:23:39

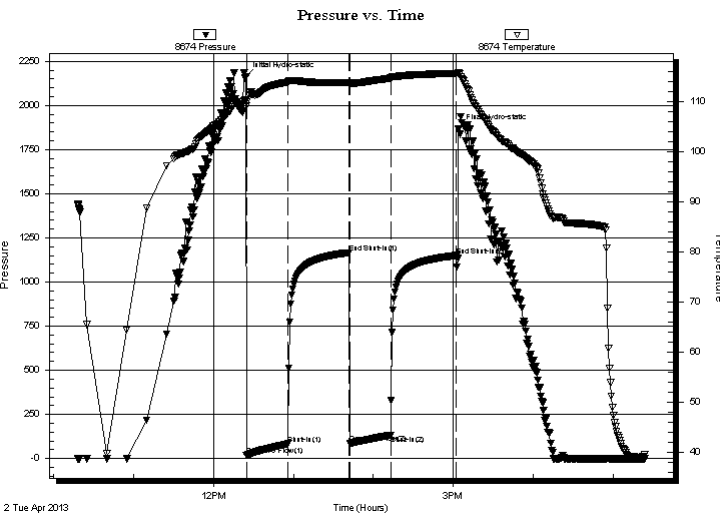
Time On Btm:

2013.04.02 @ 12:24:25

Time Off Btm:

2013.04.02 @ 15:03:54

TEST COMMENT: IF- Weak Surface Blow Built to 1"
IS- No Blow
FF- Very Weak Surface Blow Built to 3/4"
FS- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2162.12	110.39	Initial Hydro-static
1	17.47	109.23	Open To Flow (1)
32	83.26	113.90	Shut-In(1)
78	1166.71	113.83	End Shut-In(1)
78	86.75	113.45	Open To Flow (2)
109	132.58	114.67	Shut-In(2)
158	1150.48	115.65	End Shut-In(2)
160	1869.67	115.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	WCM 33%w 67%m	0.30
60.00	WCM with Skim of Oil on Top 16%w 84%o	0.30
60.00	WCM with Skim of Oil on Top 7%w 93%o	0.30
70.00	SWOCM 2%w 2%oil 96%m	0.34

* 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.

32-16s-36w Wichita,KS

1616 S. Voss Rd STE 600
Houston TX 77057

Whitham #1-32

Job Ticket: 49800

DST#: 3

ATTN: Terry McLead

Test Start: 2013.04.02 @ 10:18:00

Tool Information

Drill Pipe:	Length: 3917.00 ft	Diameter: 3.80 inches	Volume: 54.95 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: 24000.00 lb
Drill Collar:	Length: 265.00 ft	Diameter: 2.25 inches	Volume: 1.30 bbl	Weight to Pull Loose: 8000.00 lb
			<u>Total Volume: 56.25 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4200.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	82.00 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			4179.00	
Shut In Tool	5.00			4184.00	
Hydraulic tool	5.00			4189.00	
Safety Joint	2.00			4191.00	
Packer	5.00			4196.00	22.00 Bottom Of Top Packer
Packer	4.00			4200.00	
Stubb	1.00			4201.00	
Perforations	2.00			4203.00	
Recorder	0.00	8355	Outside	4203.00	
Recorder	0.00	8674	Inside	4203.00	
Perforations	20.00			4223.00	
Change Over Sub	1.00			4224.00	
Drill Pipe	31.00			4255.00	
Change Over Sub	1.00			4256.00	
Perforations	1.00			4257.00	
Bullnose	3.00			4260.00	60.00 Bottom Packers & Anchor
Total Tool Length:	82.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources Inc.

32-16s-36w Wichita,KS

1616 S. Voss Rd STE 600
Houston TX 77057

Whitham #1-32

Job Ticket: 49800

DST#: 3

ATTN: Terry McLead

Test Start: 2013.04.02 @ 10:18:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.75 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	WCM 33%w 67%m	0.295
60.00	WCM with Skim of Oil on Top 16%w 84%m	0.295
60.00	WCM with Skim of Oil on Top 7%w 93%m	0.295
70.00	SWOCM 2%w 2%oil 96%m	0.344

Total Length: 250.00 ft Total Volume: 1.229 bbl

Num Fluid Samples: 0

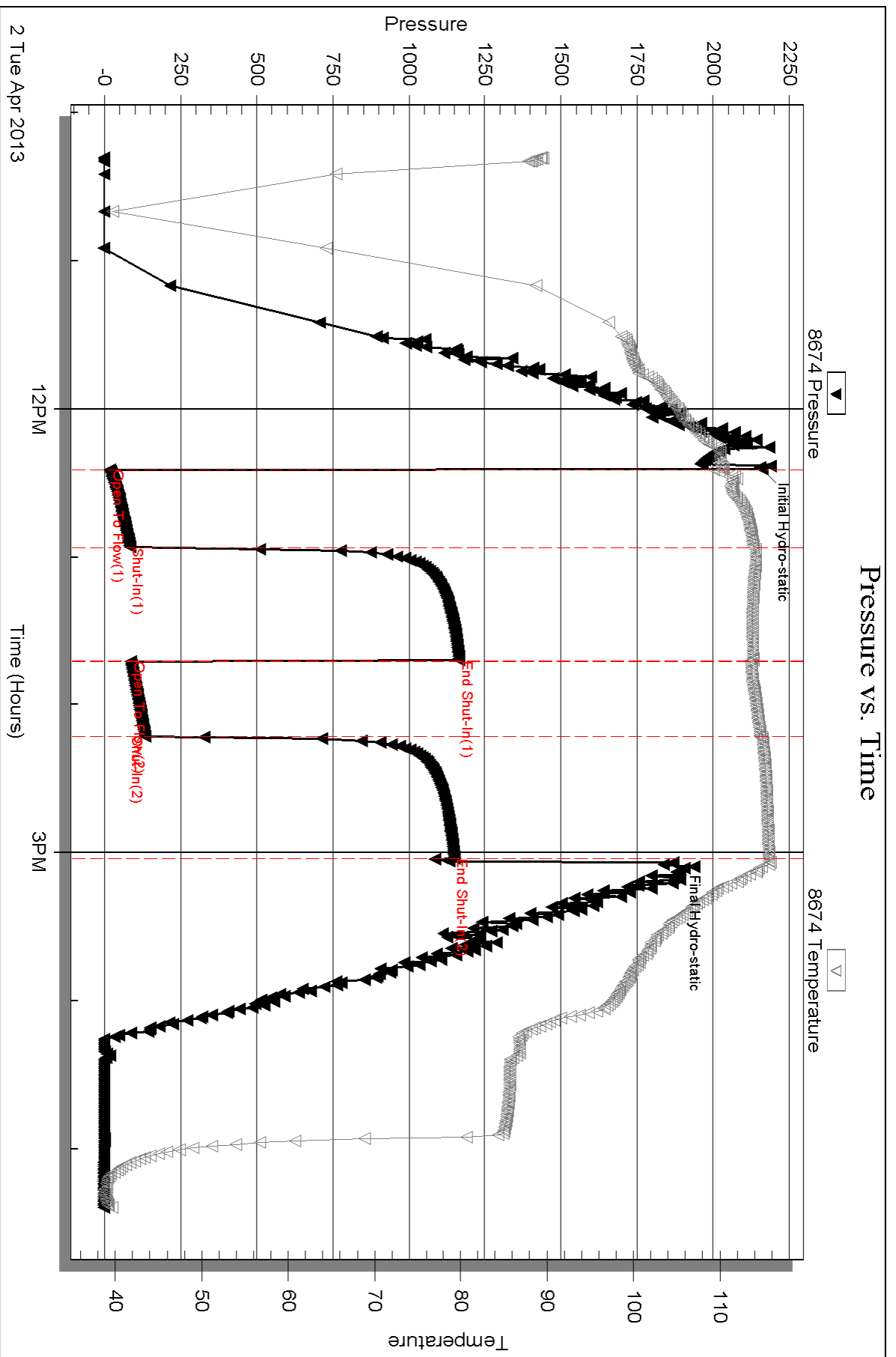
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW is .292 @ 43f = 39000

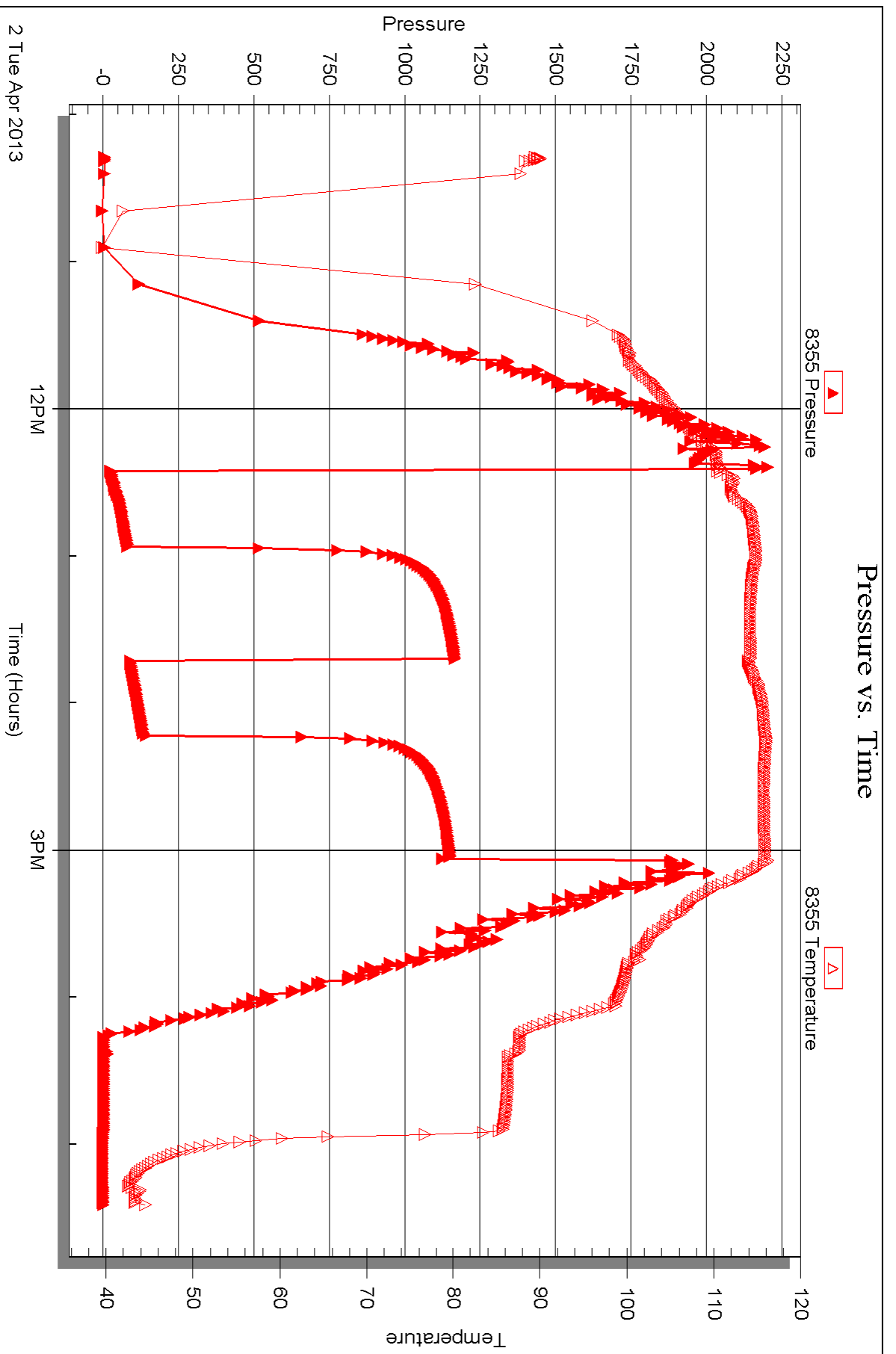


Serial #: 8355

Outside Landmark Resources Inc.

Whitham #1-32

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 49800

Printed: 2013.04.11 @ 16:24:49



DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc.**

1616 S. Voss Rd STE 600
Houston TX 77057

ATTN: Terry McLead

Whitham #1-32

32-16s-36w Wichita,KS

Start Date: 2013.04.03 @ 20:04:00

End Date: 2013.04.04 @ 04:37:10

Job Ticket #: 49227 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.04.11 @ 16:23:57

Landmark Resources Inc.

32-16s-36w Wichita,KS

Whitham #1-32

DST # 4

Marmanton / Altamont

2013.04.03



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Landmark Resources Inc.

32-16s-36w Wichita, KS

1616 S. Voss Rd STE 600
Houston TX 77057

Whitham #1-32

Job Ticket: 49227

DST#: 4

ATTN: Terry McLead

Test Start: 2013.04.03 @ 20:04:00

GENERAL INFORMATION:

Formation: **Marmanton / Altamont**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:10:55

Time Test Ended: 04:37:10

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 58

Interval: 4363.00 ft (KB) To 4488.00 ft (KB) (TVD)

Reference Elevations: 3311.00 ft (KB)

Total Depth: 4488.00 ft (KB) (TVD)

3300.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8674

Inside

Press @ Run Depth: 953.30 psig @ 4364.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.04.03

End Date:

2013.04.04

Last Calib.:

2013.04.04

Start Time: 20:04:00

End Time:

04:37:10

Time On Btm:

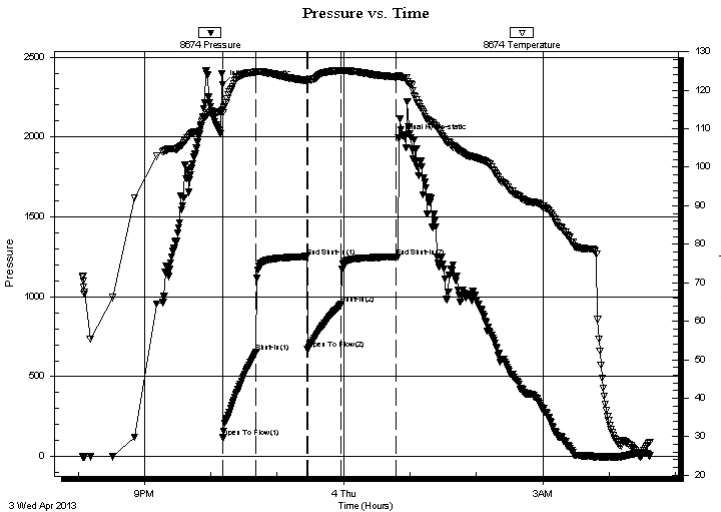
2013.04.03 @ 22:10:40

Time Off Btm:

2013.04.04 @ 00:49:39

TEST COMMENT: IF- Surface Blow Built to BOB in 2 1/2 min
IS- No Blow
FF- Surface Blow Built to BOB in 4 min
FS- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2328.90	114.84	Initial Hydro-static
1	118.35	114.19	Open To Flow (1)
31	655.00	124.76	Shut-In(1)
77	1251.93	122.55	End Shut-In(1)
77	670.39	122.32	Open To Flow (2)
108	953.30	125.11	Shut-In(2)
157	1250.41	123.44	End Shut-In(2)
159	1991.92	123.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
676.00	GMCW 5%g 20%m 75%w	7.07
252.00	GMCW 5%g 24%m 71%w	3.53
441.00	GWCM 7%g 44%w 49%m	6.19
252.00	GWCM 4%g 10%w 86%m	3.53
456.00	WCM 16%w 84%m	6.40

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.

32-16s-36w Wichita,KS

1616 S. Voss Rd STE 600
Houston TX 77057

Whitham #1-32

Job Ticket: 49227

DST#: 4

ATTN: Terry McLead

Test Start: 2013.04.03 @ 20:04:00

Tool Information

Drill Pipe:	Length: 4103.00 ft	Diameter: 3.80 inches	Volume: 57.55 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: 28000.00 lb
Drill Collar:	Length: 265.00 ft	Diameter: 2.25 inches	Volume: 1.30 bbl	Weight to Pull Loose: 16000.00 lb
			Total Volume: 58.85 bbl	Tool Chased ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4363.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	125.00 ft			
Tool Length:	148.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4341.00	
Shut In Tool	5.00			4346.00	
Hydraulic tool	5.00			4351.00	
Safety Joint	3.00			4354.00	
Packer	5.00			4359.00	23.00 Bottom Of Top Packer
Packer	4.00			4363.00	
Stubb	1.00			4364.00	
Recorder	0.00	8355	Outside	4364.00	
Recorder	0.00	8674	Inside	4364.00	
Perforations	20.00			4384.00	
Change Over Sub	1.00			4385.00	
Drill Pipe	94.00			4479.00	
Change Over Sub	1.00			4480.00	
Perforations	5.00			4485.00	
Bullnose	3.00			4488.00	125.00 Bottom Packers & Anchor

Total Tool Length: 148.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources Inc.

32-16s-36w Wichita,KS

1616 S. Voss Rd STE 600
Houston TX 77057

Whitham #1-32

Job Ticket: 49227

DST#: 4

ATTN: Terry McLead

Test Start: 2013.04.03 @ 20:04:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

65000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.35 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
676.00	GMCW 5%g 20%m 75%w	7.068
252.00	GMCW 5%g 24%m 71%w	3.535
441.00	GWCM 7%g 44%w 49%m	6.186
252.00	GWCM 4%g 10%w 86%m	3.535
456.00	WCM 16%w 84%m	6.396

Total Length: 2077.00 ft Total Volume: 26.720 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

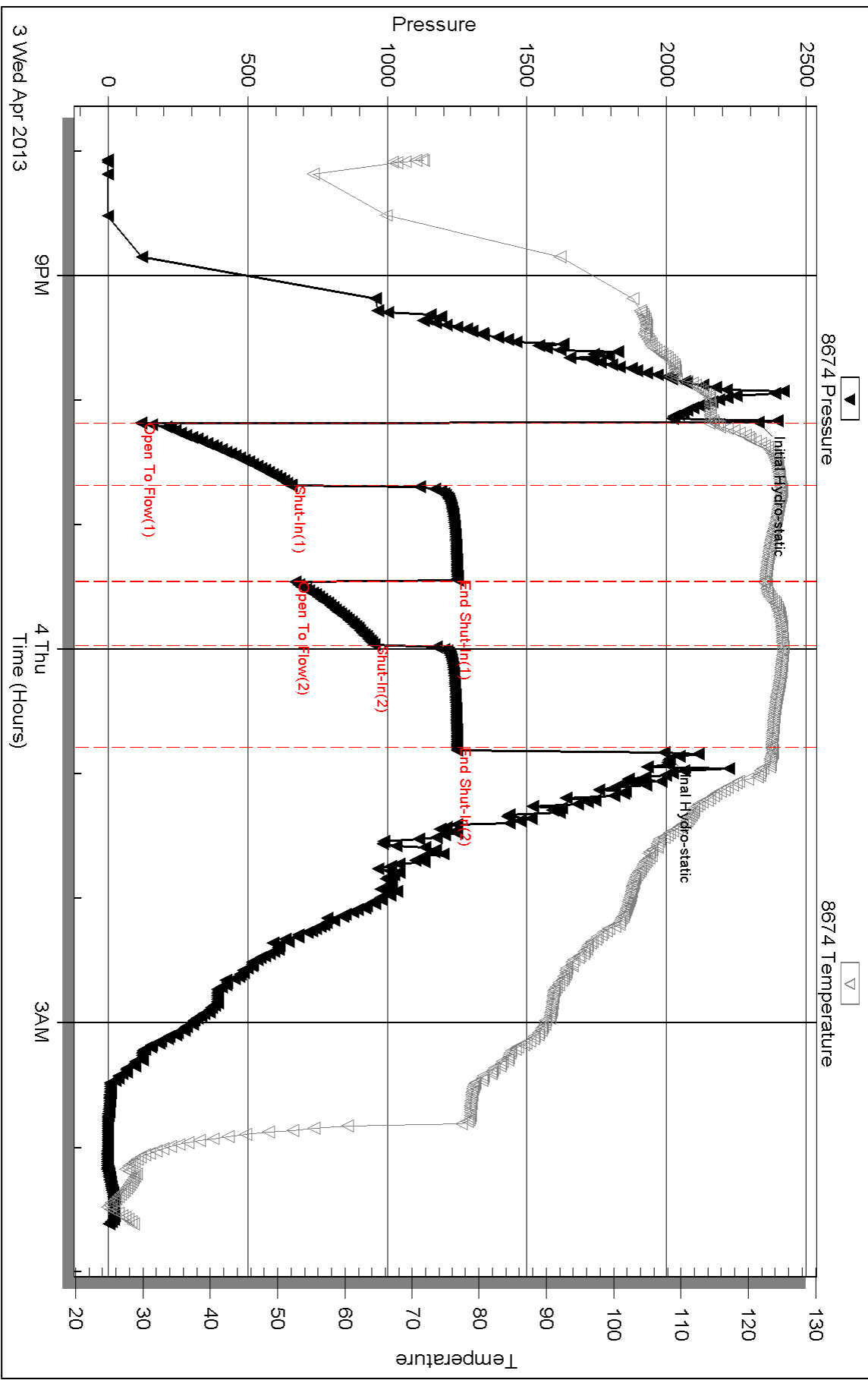
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW is .287 @ 28f = 65000

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc.**

1616 S. Voss Rd STE 600
Houston TX 77057

ATTN: Terry McLead

Whitham #1-32

32-16s-36w Wichita,KS

Start Date: 2013.04.06 @ 19:23:00

End Date: 2013.04.07 @ 02:08:09

Job Ticket #: 51727 DST #: 5

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

Printed: 2013.04.11 @ 16:22:31



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Landmark Resources Inc.

32-16s-36w Wichita, KS

1616 S. Voss Rd STE 600
Houston TX 77057

Whitham #1-32

Job Ticket: 51727

DST#: 5

ATTN: Terry McLead

Test Start: 2013.04.06 @ 19:23:00

GENERAL INFORMATION:

Formation: **LKC K&L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:34:30

Time Test Ended: 02:08:09

Test Type: Conventional Straddle (Reset)

Tester: Chuck Smith

Unit No: 62

Interval: 4240.00 ft (KB) To 4320.00 ft (KB) (TVD)

Reference Elevations: 3311.00 ft (KB)

Total Depth: 4991.00 ft (KB) (TVD)

3300.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8018

Inside

Press @ Run Depth: 1207.77 psig @ 4241.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.04.06

End Date:

2013.04.07

Last Calib.: 2013.04.07

Start Time: 19:23:02

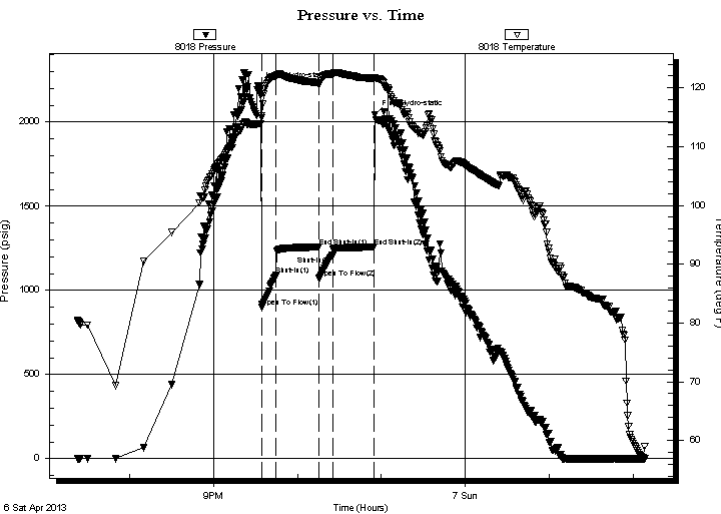
End Time:

02:08:10

Time On Btm: 2013.04.06 @ 21:32:10

Time Off Btm: 2013.04.06 @ 22:55:20

TEST COMMENT: B.O.B. @ 30 seconds.
No return.
B.O.B. @ 45 seconds.
No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2210.79	113.86	Initial Hydro-static
3	899.77	114.89	Open To Flow (1)
13	1092.48	122.05	Shut-In(1)
43	1257.19	120.80	End Shut-In(1)
44	1071.70	120.71	Open To Flow (2)
53	1207.77	122.35	Shut-In(2)
83	1257.43	121.56	End Shut-In(2)
84	2044.90	121.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
118.00	MW 15m 85w	0.58
1978.00	MW 10m 90w	26.41
444.00	WM 15w 85m	6.23

* 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.

32-16s-36w Wichita,KS

1616 S. Voss Rd STE 600
Houston TX 77057

Whitham #1-32

Job Ticket: 51727

DST#: 5

ATTN: Terry McLead

Test Start: 2013.04.06 @ 19:23:00

Tool Information

Drill Pipe:	Length: 3981.00 ft	Diameter: 3.80 inches	Volume: 55.84 bbl	Tool Weight: 5000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 40000.00 lb
Drill Collar:	Length: 265.00 ft	Diameter: 2.25 inches	Volume: 1.30 bbl	Weight to Pull Loose: 95000.00 lb
			Total Volume: 57.14 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.50 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4240.00 ft			Final 90000.00 lb
Depth to Bottom Packer:	4320.00 ft			
Interval between Packers:	80.00 ft			
Tool Length:	773.50 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			4218.50	
Shut In Tool	5.00			4223.50	
Hydraulic tool	5.00			4228.50	
Safety Joint	2.50			4231.00	
Packer	5.00			4236.00	22.50 Bottom Of Top Packer
Packer	4.00			4240.00	
Stubb	1.00			4241.00	
Recorder	0.00	8018	Inside	4241.00	
Recorder	0.00	6751	Outside	4241.00	
Perforations	1.00			4242.00	
Change Over Sub	1.00			4243.00	
Drill Pipe	64.00			4307.00	
Change Over Sub	1.00			4308.00	
Perforations	8.00			4316.00	
Blank Off Sub	1.00			4317.00	
top of s pack	3.00			4320.00	
Packer	0.00			4320.00	
Stubb	1.00			4321.00	80.00 Tool Interval
Packer	5.00			4326.00	
Perforations	2.00			4328.00	
Change Over Sub	1.00			4329.00	
Recorder	0.00	8357	Below	4329.00	
Drill Pipe	658.00			4987.00	
Change Over Sub	1.00			4988.00	
Bullnose	3.00			4991.00	671.00 Bottom Packers & Anchor

Total Tool Length: 773.50



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources Inc.

32-16s-36w Wichita,KS

1616 S. Voss Rd STE 600
Houston TX 77057

Whitham #1-32

Job Ticket: 51727

DST#: 5

ATTN: Terry McLead

Test Start: 2013.04.06 @ 19:23:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

58000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
118.00	MW 15m 85w	0.580
1978.00	MW 10m 90w	26.407
444.00	WM 15w 85m	6.228

Total Length: 2540.00 ft Total Volume: 33.215 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

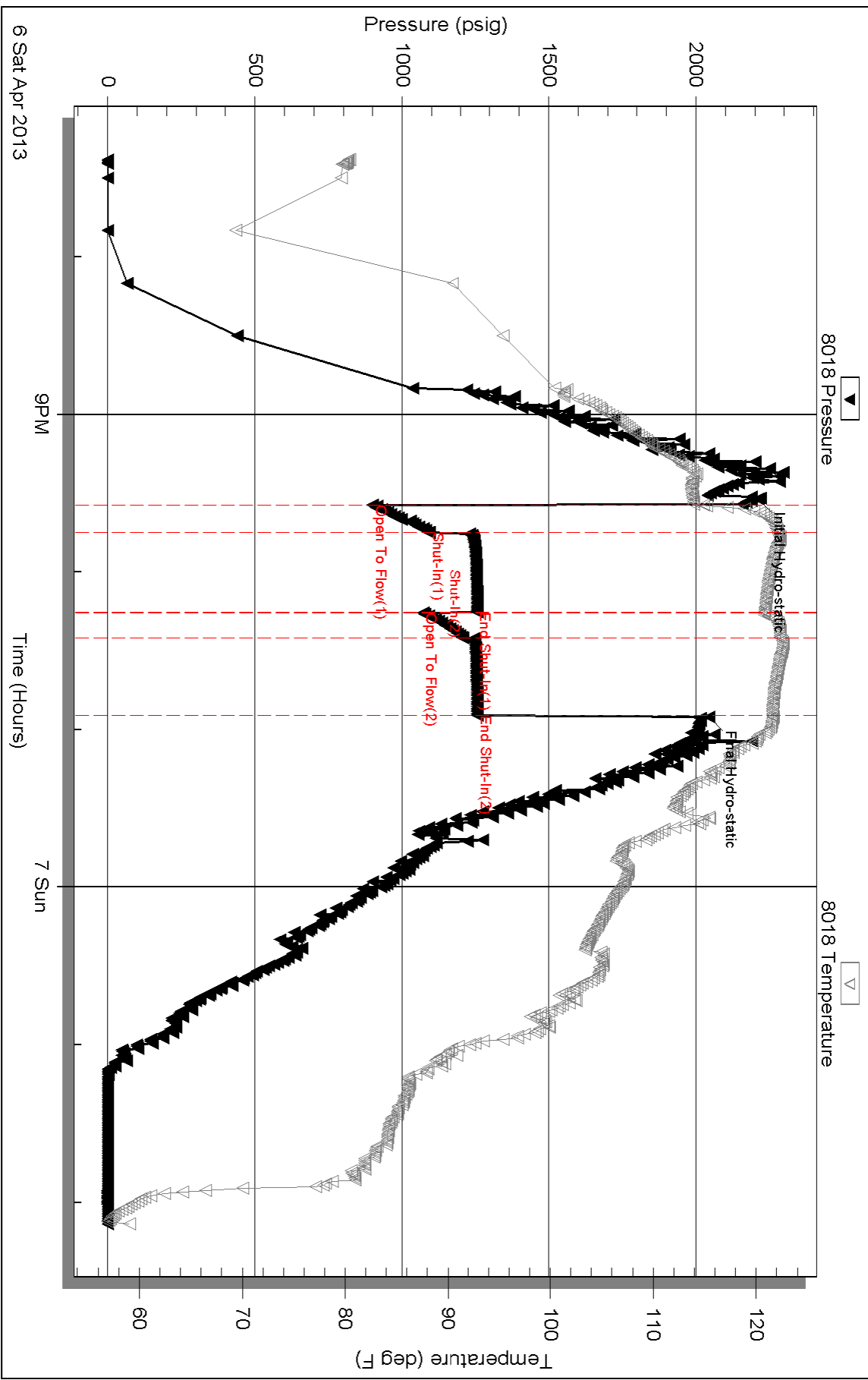
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .208 @ 46 Degrees F = 58000 PPM

Pressure vs. Time

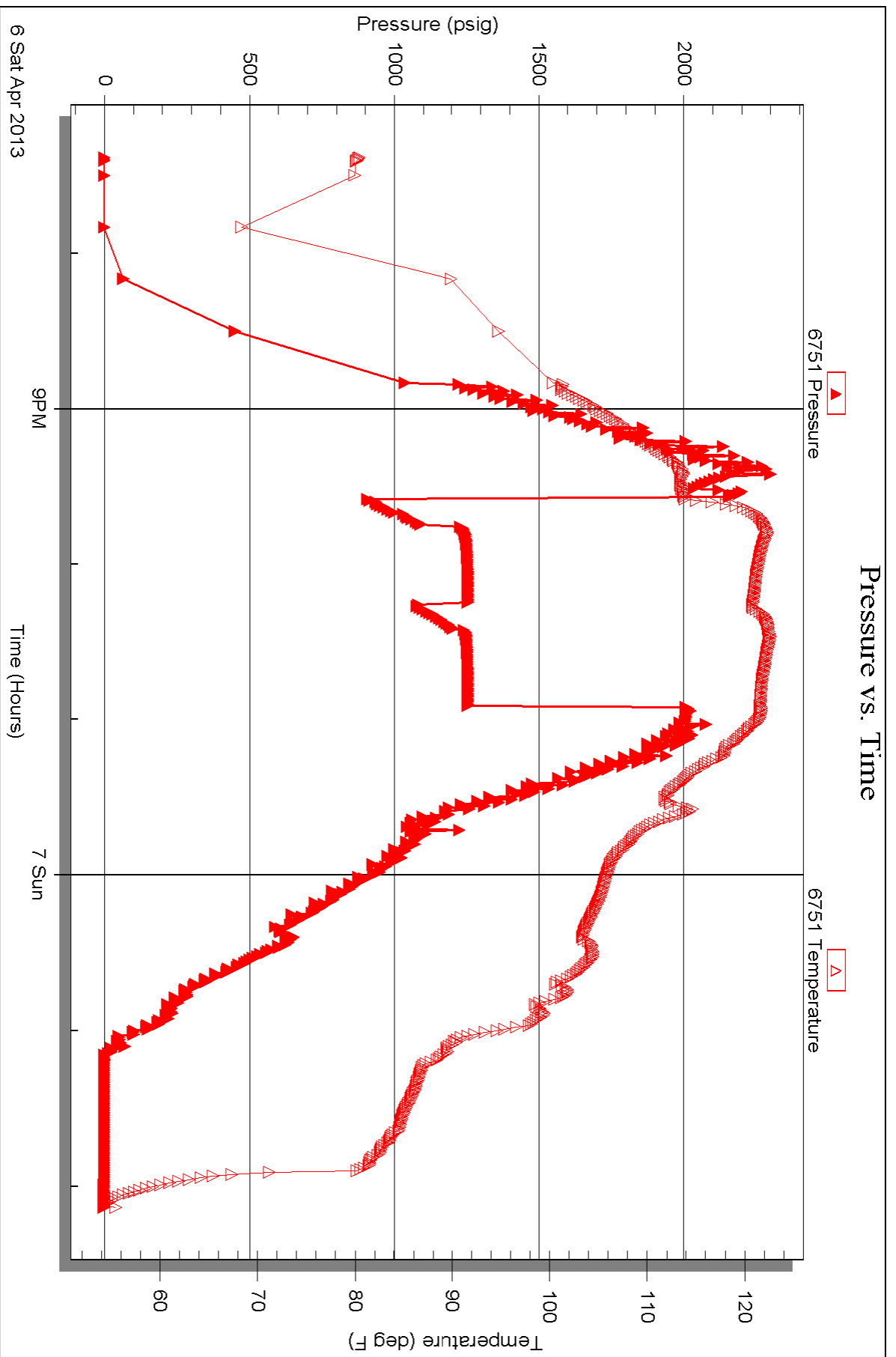


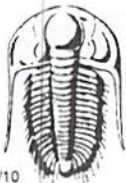
Serial #: 6751

Outside Landmark Resources Inc.

Whitham #1-32

DST Test Number: 5





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 49798

4/10

Well Name & No. Whitham #1-32 Test No. DST #1 Date 3-31-13
 Company Landmark Resources Inc Elevation 33 11 KB 3300 GL
 Address 1616 S. Voss Rd STE 600 Houston TX 77057
 Co. Rep / Geo. Terry McLead Rig Murfin Rig #22
 Location: Sec. 32 Twp. 16s Rge. 36w Co. Wichita State KS

Interval Tested 3989-4060 Zone Tested LKC "A-C"
 Anchor Length 71 Drill Pipe Run 3726 Mud Wt. 9.2
 Top Packer Depth 3985 Drill Collars Run 265 Vis 56
 Bottom Packer Depth 3989 Wt. Pipe Run 0 WL 8.8
 Total Depth 4060 Chlorides 3200 ppm System LCM 1016
 Blow Description IF- Surface Blow Built to BOB in 2 1/2 min
ISI- No Blow
FF- Surface Blow Built to BOB in 5 1/4 min
FSI- No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>229</u>	<u>WCM</u>			<u>47%</u>	<u>53%</u>
<u>315</u>	<u>MCW</u>			<u>65%</u>	<u>35%</u>
<u>378</u>	<u>MCW</u>			<u>82%</u>	<u>18%</u>
<u>842</u>	<u>MCW</u>			<u>92%</u>	<u>8%</u>

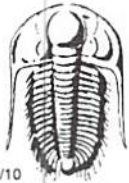
Rec Total 1764 BHT 106 Gravity _____ API RW 296@ 39 °F Chlorides 43000 ppm

(A) Initial Hydrostatic 2088 Test 1250 T-On Location 18:20
 (B) First Initial Flow 74 Jars 250 T-Started 19:28
 (C) First Final Flow 526 Safety Joint 75 T-Open 21:26
 (D) Initial Shut-In 1106 Circ Sub NIC T-Pulled 00:17
 (E) Second Initial Flow 537 Hourly Standby _____ T-Out 3:07
 (F) Second Final Flow 785 Mileage 80 RIT 124 Comments _____
 (G) Final Shut-In 1110 Sampler _____
 (H) Final Hydrostatic 1761 Straddle _____

Initial Open 30 Shale Packer _____
 Initial Shut-In 45 Extra Packer _____
 Final Flow 30 Extra Recorder _____
 Final Shut-In 60 Day Standby _____
 Accessibility _____
 Sub Total 1699 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1699
 MP/DST Disc't _____

Approved By Terry McLead Our Representative Will Moore

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. 49799

Well Name & No. Whitham # 1-32 Test No. DST #2 Date 4-1-13
 Company Landmark Resources Inc. Elevation 3311 KB 3300 GL
 Address 1616 S. Voss Rd STE 600 Houston TX 77057
 Co. Rep / Geo. Terry McLead Rig Murfin Rig #22
 Location: Sec. 32 Twp. 16s Rge. 36w Co. Wichita State KS

Interval Tested 4080 - 4101 Zone Tested LRC "E-F"
 Anchor Length 21 Drill Pipe Run 3823 Mud Wt. 9.2
 Top Packer Depth 4076 Drill Collars Run 265 Vis 56
 Bottom Packer Depth 4080 Wt. Pipe Run 0 WL 9.6
 Total Depth 4101 Chlorides 6000 ppm System LCM 5/6
 Blow Description IF- Weak Surface Blow Built to 10 1/2"
ISI- No Blow
FF- Weak Surface Blow Built to 34"
FSL- No Blow

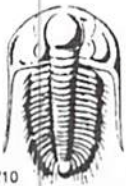
Rec	Feet of	%gas	%oil	%water	%mud
<u>78</u>	<u>WCM</u>		<u>42</u>	<u>58</u>	
<u>126</u>	<u>MCW</u>		<u>85</u>	<u>15</u>	
<u>235</u>	<u>MCW</u>		<u>93</u>	<u>7</u>	

Rec Total 439 BHT 114 Gravity _____ API RW 203 @ 61 °F Chlorides 40,000 ppm

(A) Initial Hydrostatic 2058 Test 1250 T-On Location 9:28
 (B) First Initial Flow 17 Jars _____ T-Started 10:30
 (C) First Final Flow 158 Safety Joint 75 T-Open 12:23
 (D) Initial Shut-In 1099 Circ Sub NIC T-Pulled 15:00
 (E) Second Initial Flow 160 Hourly Standby _____ T-Out 17:09
 (F) Second Final Flow 227 Mileage 80 RIT 124 Comments _____
 (G) Final Shut-In 1070 Sampler _____
 (H) Final Hydrostatic 1899 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1449
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 45 Sub Total 1449

Approved By Terry McLead Our Representative Will McLean

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. 49800

4/10

Well Name & No. Whitham #1-32 Test No. DST #3 Date 4-2-13
 Company Landmark Resources Inc Elevation 3311 KB 3300 GL
 Address 1616 S. Voss Rd STE 600 Houston TX 77057
 Co. Rep / Geo. Terry McLead Rig Murfin Rig #22
 Location: Sec. 32 Twp. 16s Rge. 36w Co. Wichita State KS

Interval Tested 4200 - 4260 Zone Tested LKC "I+J"
 Anchor Length 60 Drill Pipe Run 3917 Mud Wt. 9.2
 Top Packer Depth 4196 Drill Collars Run 265 Vis 55
 Bottom Packer Depth 4200 Wt. Pipe Run 0 WL 8.8
 Total Depth 4260 Chlorides 6800 ppm System LCM 616
 Blow Description IF- Weak Surface Blow Built to 1"
ISI- No Blow
FF- Very Weak Surface Blow Built to 1/4"
FSI- No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>70</u>	<u>WOCM</u>		<u>2</u>	<u>2</u>	<u>96</u>
<u>60</u>	<u>WCM with 5K in of oil on top</u>			<u>7</u>	<u>93</u>
<u>60</u>	<u>WCM with 5K in of oil</u>			<u>16</u>	<u>84</u>
<u>60</u>	<u>WCM</u>			<u>33</u>	<u>67</u>
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 250 BHT 105 Gravity _____ API RW 292 @ 43 °F Chlorides 39000 ppm

(A) Initial Hydrostatic 2162 Test 1250 T-On Location 9:30
 (B) First Initial Flow 17 Bars T-Started 10:18
 (C) First Final Flow 83 Safety Joint 75 T-Open 12:24
 (D) Initial Shut-In 1166 Circ Sub NIC T-Pulled 15:03
 (E) Second Initial Flow 86 Hourly Standby T-Out 17:23
 (F) Second Final Flow 132 Mileage 80 RIT 124 Comments _____
 (G) Final Shut-In 1150 Sampler _____
 (H) Final Hydrostatic 1869 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 30
 Final Shut-In 45
 Sub Total 0
 Total 1449
 MP/DST Disc't _____
 Sub Total 1449

Approved By _____ Our Representative Will Mc

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.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49227

Well Name & No. Whitham #1-32 Test No. DST #4 Date 4-3-13
 Company Landmark Resources Inc Elevation 3311 KB 3300 GL
 Address 1616 S. Voss Rd STE 600 Houston TX 77057
 Co. Rep / Geo. Terry McLead Rig Murfin Rig #22
 Location: Sec. 32 Twp. 16s Rge. 36w Co. Wichita State KS

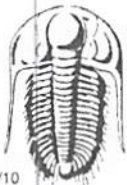
Interval Tested 4363-4488 Zone Tested Marmanton / Altamont
 Anchor Length 125' Drill Pipe Run 4103 Mud Wt. 9.4
 Top Packer Depth 4359 Drill Collars Run 265 Vis 57
 Bottom Packer Depth 4363 Wt. Pipe Run 0 WL 10.4
 Total Depth 4488 Chlorides 7500 ppm System LCM 516
 Blow Description IF- Surface Blow Built to BOB in 2 1/2 min
ISI- No Blow
FF- Surface Blow Built to BOB in 4 min
FSI- No Blow

Rec	Feet of	%gas	%oil	%water	%mud
456	WCM			16%	84%
252	GWCM	4%		10%	86%
441	GWCM	7%		44%	49%
252	GMCW	5%		71%	24%
676	GMCW	5%		75%	30%
Rec Total	2077	BHT 107	Gravity	API RW <u>287</u> @ <u>28</u> °F	Chlorides <u>65000</u> ppm

(A) Initial Hydrostatic 2328 Test 1250 T-On Location 19:48
 (B) First Initial Flow 118 Jars T-Started 20:04
 (C) First Final Flow 655 Safety Joint 75 T-Open 22:10
 (D) Initial Shut-In 1251 Circ Sub NIC T-Pulled 00:49
 (E) Second Initial Flow 670 Hourly Standby T-Out 4:37
 (F) Second Final Flow 953 Mileage 80 RIT X2 248 Comments
 (G) Final Shut-In 1250 Sampler called to pick up pads @ 2:45
 (H) Final Hydrostatic 1991 Straddle 4-5-13
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Initial Open 30
 Initial Shut-In 45
 Final Flow 30
 Final Shut-In 45
 Extra Recorder Sub Total 800
 Day Standby 10 1/4 Hr 1d 10.25h Total 2373
 Accessibility MP/DST Disc't
 Sub Total 1573

Approved By Terry McLead Our Representative Will McLead

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. 51727

4/10

Well Name & No. <u>Whitham #1-32</u>	Test No. <u>5</u>	Date <u>4-6-13</u>
Company <u>Landmark Resources Inc.</u>	Elevation <u>3311</u>	KB <u>3300</u> GL
Address <u>1616 S. Voss Rd. STE 600 Houston, TX 77057</u>		
Co. Rep / Geo. <u>Terry McLeod</u>	Rig <u>MDC #22</u>	
Location: Sec. <u>32</u> Twp. <u>16s</u> Rge. <u>36w</u> Co. <u>Wichita</u> State <u>KS</u>		

Interval Tested <u>4240-4320</u>	Zone Tested <u>LKC 'K-L'</u>
Anchor Length <u>80</u>	Drill Pipe Run <u>3981</u> Mud Wt. <u>9.5</u>
Top Packer Depth <u>4236</u>	Drill Collars Run <u>265</u> Vis <u>58</u>
Bottom Packer Depth <u>4320</u>	Wt. Pipe Run <u>0</u> WL <u>8.8</u>
Total Depth <u>4991</u>	Chlorides <u>6800</u> ppm System LCM <u>4#</u>

Blow Description B.O.B. @ 30 seconds
No return.
B.O.B. @ 45 seconds
No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>444</u>	<u>WM</u>		<u>15</u>	<u>85</u>	
<u>1978</u>	<u>MW</u>		<u>90</u>	<u>10</u>	
<u>118</u>	<u>MW</u>		<u>85</u>	<u>15</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total <u>2540</u>	BHT <u>122</u>	Gravity <u>—</u>	API RW <u>208 @ 46 °F</u>	Chlorides <u>58,000</u> ppm
(A) Initial Hydrostatic <u>2211</u>	<input checked="" type="checkbox"/> Test <u>1250</u> <u>1</u>	T-On Location <u>18:15</u>		
(B) First Initial Flow <u>900</u>	<input type="checkbox"/> Jars	T-Started <u>19:22</u>		
(C) First Final Flow <u>1092</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>21:35</u>		
(D) Initial Shut-In <u>1257</u>	<input checked="" type="checkbox"/> Circ Sub <u>50</u>	T-Pulled <u>22:55</u>		
(E) Second Initial Flow <u>1072</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>2:08</u>		
(F) Second Final Flow <u>1208</u>	<input checked="" type="checkbox"/> Mileage <u>80RT</u> <u>124</u>	Comments		
(G) Final Shut-In <u>1257</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic <u>2045</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input checked="" type="checkbox"/> Ruined Shale Packer <u>350</u>		
Initial Open <u>11</u>	<input checked="" type="checkbox"/> Shale Packer <u>500</u>	<input type="checkbox"/> Ruined Packer		
Initial Shut-In <u>30</u>	<input checked="" type="checkbox"/> Extra Packer <u>Shale</u> <u>200</u>	<input type="checkbox"/> Extra Copies		
Final Flow <u>10</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>350</u>		
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>3149</u>		
	<input type="checkbox"/> Accessibility	MP/DST Disc't		
	Sub Total <u>2799</u>			

Approved By Terry McLeod Our Representative Chuck Smith

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: 135463
Invoice Date: Mar 27, 2013
Page: 1

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

Now Includes:



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

Customer ID	Field Ticket #	Payment Terms	
Land	60147	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Mar 27, 2013	4/26/13

Quantity	Item	Description	Unit Price	Amount
		Whitham #1-32		
175.00	MAT	Class A Common	17.90	3,132.50
3.00	MAT	Gel	23.40	70.20
6.00	MAT	Chloride	64.00	384.00
189.22	SER	Cubic Feet	2.48	469.27
518.16	SER	Ton Mileage	2.60	1,347.22
1.00	SER	Surface	1,512.25	1,512.25
60.00	SER	Pump Truck Mileage	7.70	462.00
1.00	SER	Manifold Rental	275.00	275.00
60.00	SER	Light Vehicle Mileage	4.40	264.00
1.00	CEMENTER	Alan Ryan		
1.00	OPER ASSIST	Paul Beaver		
1.00	OPER ASSIST	Kevin Ryan		
			8,214.14 +	
			1,820.78 -	
		000		
			6,393.36 *	

↖ INV.
 TOTAL

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

\$ 1,820.78

ONLY IF PAID ON OR BEFORE
Apr 21, 2013

Subtotal	7,916.44
Sales Tax	297.70
Total Invoice Amount	8,214.14
Payment/Credit Applied	
TOTAL	8,214.14

ALLIED OIL & GAS SERVICES, LLC 060147

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Dakota

DATE <u>3/22/13</u>	SEC <u>32</u>	TWP <u>16</u>	RANGE <u>36</u>	CALLED OUT	ON LOCATION	JOB START <u>10:10p</u>	JOB FINISH <u>11:00p</u>
EASE <u>Whitham</u>	WELL # <u>1-32</u>	LOCATION <u>100th N to RLF 2 1/2 E</u>			COUNTY <u>Wichita</u>	STATE <u>Ky</u>	
OLD OR NEW (Circle one)		<u>5into</u>					

CONTRACTOR Murfin 22

TYPE OF JOB Surface

PIPE SIZE 2 1/2" T.D. 270'

CASING SIZE 8 7/8" DEPTH 270'

UBING SIZE DEPTH

RILL PIPE 4 1/2" DEPTH 270'

COLL DEPTH

RES. MAX MINIMUM

LEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

ERFS.

DISPLACEMENT 16.24

OWNER Same

CEMENT AMOUNT ORDERED 175 cum 30 PCC
2000 gal

COMMON 175 @ 17.20 3132.50

POZMIX @

GEL 3 @ 23.50 70.20

CHLORIDE 6 @ 64.00 384.00

ASC @

HANDLING CF 189.021 @ 2.48 469.22

MILEAGE 2.700/mile 8.636 1347.22

TOTAL 5403.19

EQUIPMENT

PUMP TRUCK CEMENTER Alan Ryan

HELPER Paul Beaver

TRUCK DRIVER Kevin Ryan

DRIVER

SERVICE

DEPTH OF JOB 270'

PUMP TRUCK CHARGE 1512.25

EXTRA FOOTAGE @

MILEAGE 60 @ 57.20 462.00

MANIFOLD @ 275.00

Site Vehicle 60 @ 4.40 264.00

TOTAL 2513.25

REMARKS:

1 way, Circulate, Mix Cement

Displace Cement,

Cement did Circulate

Thick
by Paul, Kevin

TARGET TO: Level mark Reservoirs

FEET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

I, 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 7,916.44

DISCOUNT 1,820.78 IF PAID IN 30 DAYS

6,095.65 Net.

PO Box 93999
Southlake, TX 76092

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

COPY

INVOICE

Invoice Number: 135676
Invoice Date: Apr 7, 2013
Page: 1

Bill To:

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

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Land	60196	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Apr 7, 2013	5/7/13

Quantity	Item	Description	Unit Price	Amount
		Whitham #1-32		
180.00	MAT	Class A Common	17.90	3,222.00
120.00	MAT	Pozmix	9.35	1,122.00
10.00	MAT	Gel	23.40	234.00
75.00	MAT	Flo Seal	2.97	222.75
322.20	SER	Cubic Feet	2.48	799.06
807.00	SER	Ton Mileage	2.60	2,098.20
1.00	SER	Plug to Abandon	2,483.59	2,483.59
60.00	SER	Pump Truck Mileage	7.70	462.00
60.00	SER	Light Vehicle Mileage	4.40	264.00
1.00	CEMENTER	Darren Racette		
1.00	EQUIP OPER	Tyler Flipse		
1.00	OPER ASSIST	Kevin Ryan		

Subtotal	10,907.60
Sales Tax	905.33
Total Invoice Amount	11,812.93
Payment/Credit Applied	
TOTAL	11,812.93

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

\$ 2,835.97

ONLY IF PAID ON OR BEFORE
May 2, 2013

ALLIED OIL & GAS SERVICES, LLC 060196

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:

Oakley

DATE <u>4-7-13</u>	SEC. <u>32</u>	TWP. <u>16</u>	RANGE <u>36</u>	CALLED OUT	ON LOCATION	JOB START <u>10:30 Am</u>	JOB FINISH <u>11:30 Am</u>
LEASE <u>Whitham</u>	WELL# <u>1-32</u>	LOCATION <u>Leoti N To RdF 2 1/2 E</u>			COUNTY <u>Wichita</u>	STATE <u>Ks.</u>	
OLD OR <u>NEW</u> (Circle one)			Sinto				

CONTRACTOR <u>Murfin *22</u>	OWNER <u>Same</u>
TYPE OF JOB <u>PTA</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>4985'</u>
CASING SIZE	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE <u>4 1/2</u>	DEPTH <u>2480</u>
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT	

CEMENT
AMOUNT ORDERED 300 SKS 40 4% Gel
14" Flo Seal

COMMON	<u>180 SKS @ \$17.90</u>	<u>\$3222.00</u>
POZMIX	<u>120 SKS @ \$9.35</u>	<u>\$1122.00</u>
GEL	<u>10 SKS @ \$23.40</u>	<u>\$234.00</u>
CHLORIDE	@	
ASC	@	
	@	
<u>Flo Seal</u>	<u>75 # @ \$2.92</u>	<u>\$219.00</u>
	@	
	@	
	@	
	@	
	@	
HANDLING	<u>322.20 CF X @ \$2.48</u>	<u>\$799.06</u>
MILEAGE	<u>13.45X 60 X @ \$2.60</u>	<u>\$349.80</u>
		TOTAL \$7698.01

EQUIPMENT

PUMP TRUCK	CEMENTER <u>Daven Racette</u>
# <u>423-281</u>	HELPER <u>Tyler Elipse</u>
BULK TRUCK	
# <u>396-306</u>	DRIVER <u>Kevin Ryan</u>
BULK TRUCK	
#	DRIVER

REMARKS:
Mix 50 SKs Cement 2480'
Mix 80 SKs Cement 1500'
Mix 50 SKs Cement 750'
Mix 50 SKs Cement 300'
Mix 20 SKs Cement 60'
Plug Mousehole 20 SKs Cement
Plug Rat Hole 30 SKs Cement
Thank You

SERVICE

DEPTH OF JOB	<u>2480'</u>	
PUMP TRUCK CHARGE		<u>\$2483.59</u>
EXTRA FOOTAGE	@	
MILEAGE	<u>60 @ \$7.70</u>	<u>\$462.00</u>
MANIFOLD	@	
<u>LV mileage</u>	<u>@ \$4.40</u>	<u>\$264.00</u>
	@	
		TOTAL \$3209.59

CHARGE TO: Landmark Resources

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
		TOTAL _____

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

PRINTED NAME Kelly Wilson

SIGNATURE Kelly Wilson

SALES TAX (If Any) _____

TOTAL CHARGES 10,907.60

DISCOUNT 2,835.97 IF PAID IN 30 DAYS

8,071.62 Net.