



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1221642
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: _____

1221642

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

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

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

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

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	Bach, Jason dba Bach Oil Production
Well Name	Dawndy 1
Doc ID	1221642

Tops

Name	Top	Datum
Stone Corral	1706	+367
Base Stone Corral	1728	+345
Topeka	3057	-984
Heebner	3265	-1192
Toronto	3292	-1219
Lansing	3309	-1236
Muncie	3419	-1346
Stark	3486	-1413
LTD	3540	-1467

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

BACH OIL PRODUCTION

WELL: DAWNDY #1

LOC.: 2854' FSL & 449' FEL
 SEC. 14-1-19W
 PHILLIPS COUNTY, KANSAS
 API: 15-147-20739-00-00

ELEVATION

KB: 2073
 GL: 2068
 LOG MEASURED FROM: KB

SURFACE CASING

8 5/8" Set @ 220'
 W/175 SX 3% CC 2%gel

PRODUCTION CASING

5 1/2" Set

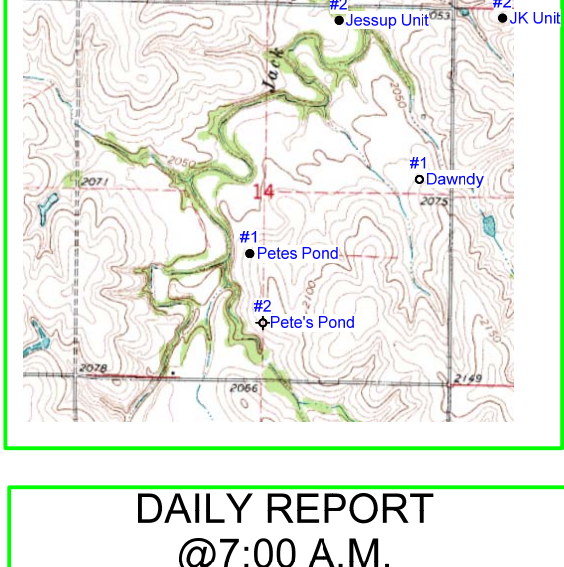
WELL LOG SURVEYS

DIL/CDL

DRILLING CONTR.: MURFIN RIG #24
 SPUD: 05-13-14 COMP: 05-18-14
 MUD UP: 2800' TYPE MUD: CHEM.
 DRILL TIME: 2900 to' RTD
 RTD: 3540' LTD: 3540'
 SAMPLES SAVED: 2900'-RTD
 GEOLOGIST: ROBERT J. PETERSEN

ELECTRIC LOG TOPS

FORMATION	DEPTH	DATUM	POS.
Stone Corral	1706	+367	+1
Base Stone Corral	1728	+345	Flat
Topeka	3057	-984	+1
Heebner	3265	-1192	+3
Toronto	3292	-1219	+1
Lansing	3309	-1236	+2
Muncie	3419	-1346	+2
Stark	3486	-1413	Flat
LTD	3540	-1467	—



REFERENCE WELL:

Bach Oil Production
 Pete's Pond #1
 NE SE NE SW
 1750' FSL & 2416' FWL
 14-1-19W

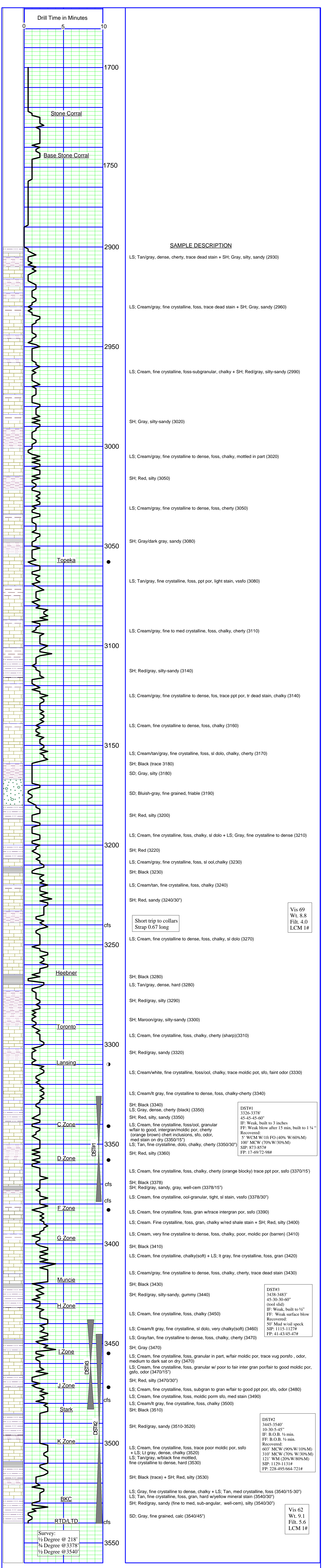
DAILY REPORT
@7:00 A.M.

05-13-12 MIRU/SPUD
 05-14-14 415'
 05-15-14 2314'
 05-16-14 3240'
 05-17-14 3470'
 05-18-14 3540'

REMARKS AND RECOMMENDATIONS

Production casing was run to further test this well for commercial production.

Respectfully submitted,
Robert J. Petersen
 Robert J. Petersen



Vis 69
 Wt. 8.8
 Filt. 4.0
 LCM 1#

DST#1
 3326-3378'
 45-45-45-60"
 IF: Weak, built to 3 inches
 FF: Weak blow after 15 min, built to 1 1/4"
 Recovered:
 5' WCM W/1ft FO (40% W/60%M)
 100' MCW (70% W/30%M)
 SIP: 873-857#
 FP: 17-69/72-98#

DST#3
 3438-3483'
 45-30-30-60"
 (tool slid)
 IF: Weak, built to 1/2"
 FF: B.O.B. 1/2 min.
 Recovered:
 50' Mud w/oil speck
 SIP: 1129-1131#
 FP: 41-43/45-47#

DST#2
 3445-3540'
 10-30-5-45"
 IF: B.O.B. 1/2 min.
 FF: B.O.B. 1/2 min.
 Recovered:
 603' MCW (90% W/10%M)
 310' MCW (70% W/30%M)
 121' WM (20% W/80%M)
 SIP: 1129-1131#
 FP: 228-495/664-721#

Vis 62
 Wt. 9.1
 Filt. 5.6
 LCM 1#

Survey:
 1/2 Degree @ 218'
 3/4 Degree @ 3378'
 1/2 Degree @ 3540'



DRILL STEM TEST REPORT

Prepared For: **Bach Production**

PO Box 723
Alma NE 68920

ATTN: Bob Peterson

Dawnby #1

14-1-19w Phillips,KS

Start Date: 2014.05.16 @ 18:00:00

End Date: 2014.05.17 @ 01:03:00

Job Ticket #: 58177 DST #: 1

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

Printed: 2014.05.21 @ 08:59:38



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Bach Production

14-1-19w Phillips,KS

PO Box 723
Alma NE 68920

Dawnby #1

Job Ticket: 58177

DST#: 1

ATTN: Bob Peterson

Test Start: 2014.05.16 @ 18:00:00

GENERAL INFORMATION:

Formation: **LKC-**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:53:30

Time Test Ended: 01:03:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Kreuzer Jr.

Unit No: 61

Interval: 3326.00 ft (KB) To 3378.00 ft (KB) (TVD)

Reference Elevations: 2085.00 ft (KB)

Total Depth: 3378.00 ft (KB) (TVD)

2080.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8960

Inside

Press@RunDepth: 98.36 psig @ 3327.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.16

End Date:

2014.05.17

Last Calib.: 2014.05.17

Start Time: 18:00:01

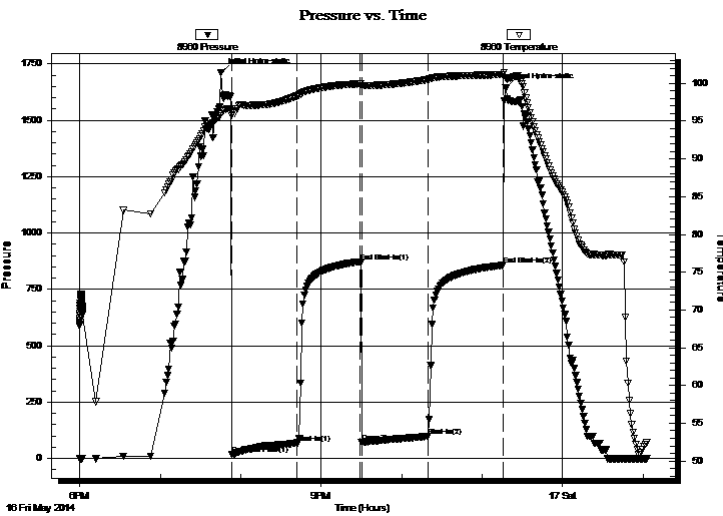
End Time:

01:03:00

Time On Btm: 2014.05.16 @ 19:45:30

Time Off Btm: 2014.05.16 @ 23:17:30

TEST COMMENT: IF: Weak blow , Built to 3" over 45 mins
IS: No blow back
FF: Weak blow , After 15 mins.. Built to 1 1/4". over 45 mins.
FS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1712.65	96.03	Initial Hydro-static
8	16.89	95.72	Open To Flow (1)
57	68.92	98.32	Shut-In(1)
104	873.21	99.94	End Shut-In(1)
105	71.70	99.72	Open To Flow (2)
154	98.36	100.49	Shut-In(2)
210	857.24	101.13	End Shut-In(2)
212	1643.40	100.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
112.00	mcw -30% m70% w	0.55
5.00	w cm-one ft. free oil on top-40% w 60%	0.07

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Bach Production
 PO Box 723
 Alma NE 68920
 ATTN: Bob Peterson

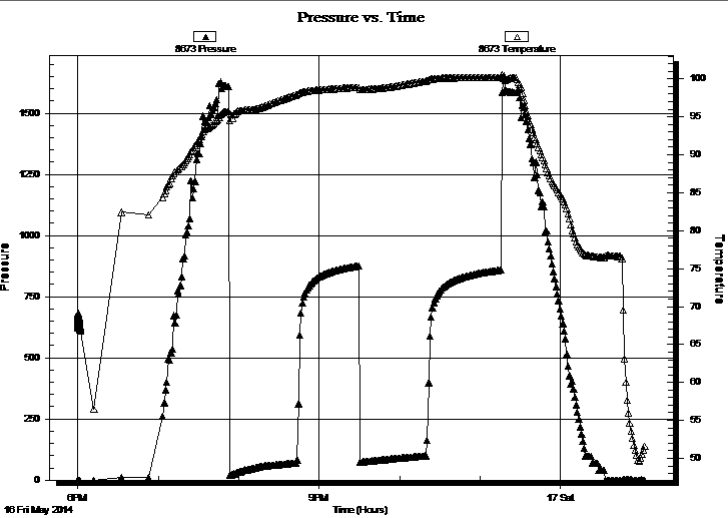
14-1-19w Phillips,KS
Dawnby #1
 Job Ticket: 58177 **DST#: 1**
 Test Start: 2014.05.16 @ 18:00:00

GENERAL INFORMATION:

Formation:	LKC-				
Deviated:	No	Whipstock:	ft (KB)	Test Type:	Conventional Bottom Hole (Reset)
Time Tool Opened:	19:53:30			Tester:	Chuck Kreutzer Jr.
Time Test Ended:	01:03:00			Unit No:	61
Interval:	3326.00 ft (KB) To	3378.00 ft (KB) (TVD)		Reference Elevations:	2085.00 ft (KB)
Total Depth:	3378.00 ft (KB) (TVD)				2080.00 ft (CF)
Hole Diameter:	7.88 inches	Hole Condition:	Good	KB to GR/CF:	5.00 ft

Serial #: 8673	Outside				
Press@RunDepth:	psig @	3327.00 ft (KB)	Capacity:	8000.00 psig	
Start Date:	2014.05.16	End Date:	2014.05.17	Last Calib.:	2014.05.17
Start Time:	18:00:01	End Time:	01:03:00	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: IF: Weak blow , Built to 3" over 45 mins
 IS: No blow back
 FF: Weak blow , After 15 mins.. Built to 1 1/4". over 45 mins.
 FS: No blow back



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

Recovery		
Length (ft)	Description	Volume (bbl)
112.00	mcw -30% m70%w	0.55
5.00	w cm-one ft. free oil on top-40%w 60%	0.07

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Production

14-1-19w Phillips,KS

PO Box 723
Alma NE 68920

Dawnby #1

Job Ticket: 58177

DST#: 1

ATTN: Bob Peterson

Test Start: 2014.05.16 @ 18:00:00

Tool Information

Drill Pipe:	Length: 3216.00 ft	Diameter: 3.80 inches	Volume: 45.11 bbl	Tool Weight:	2400.00 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: 112.00 ft	Diameter: 2.25 inches	Volume: 0.55 bbl	Weight to Pull Loose:	50000.00 lb
			<u>Total Volume: 45.66 bbl</u>	Tool Chased	2.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3326.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	52.00 ft				
Tool Length:	80.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3303.00	
Hydraulic tool	5.00			3308.00	
Jars	5.00			3313.00	
Safety Joint	3.00			3316.00	
Packer	5.00			3321.00	28.00 Bottom Of Top Packer
Packer	5.00			3326.00	
Stubb	1.00			3327.00	
Recorder	0.00	8960	Inside	3327.00	
Recorder	0.00	8673	Outside	3327.00	
Perforations	15.00			3342.00	
change Over Sub	1.00			3343.00	
Drill Pipe	31.00			3374.00	
Change Over Sub	1.00			3375.00	
Bullnose	3.00			3378.00	52.00 Bottom Packers & Anchor

Total Tool Length: 80.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Production

14-1-19w Phillips,KS

PO Box 723
Alma NE 68920

Dawnby #1

Job Ticket: 58177

DST#: 1

ATTN: Bob Peterson

Test Start: 2014.05.16 @ 18:00:00

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:

19500 ppm

Viscosity: 69.00 sec/qt

Cushion Volume:

bbf

Water Loss: 3.99 in³

Gas Cushion Type:

Resistivity: 0.32 ohm.m

Gas Cushion Pressure:

psig

Salinity: 300.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
112.00	mcw -30% m70%w	0.551
5.00	w cm-one ft. free oil on top-40%w 60%	0.070

Total Length: 117.00 ft

Total Volume: 0.621 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

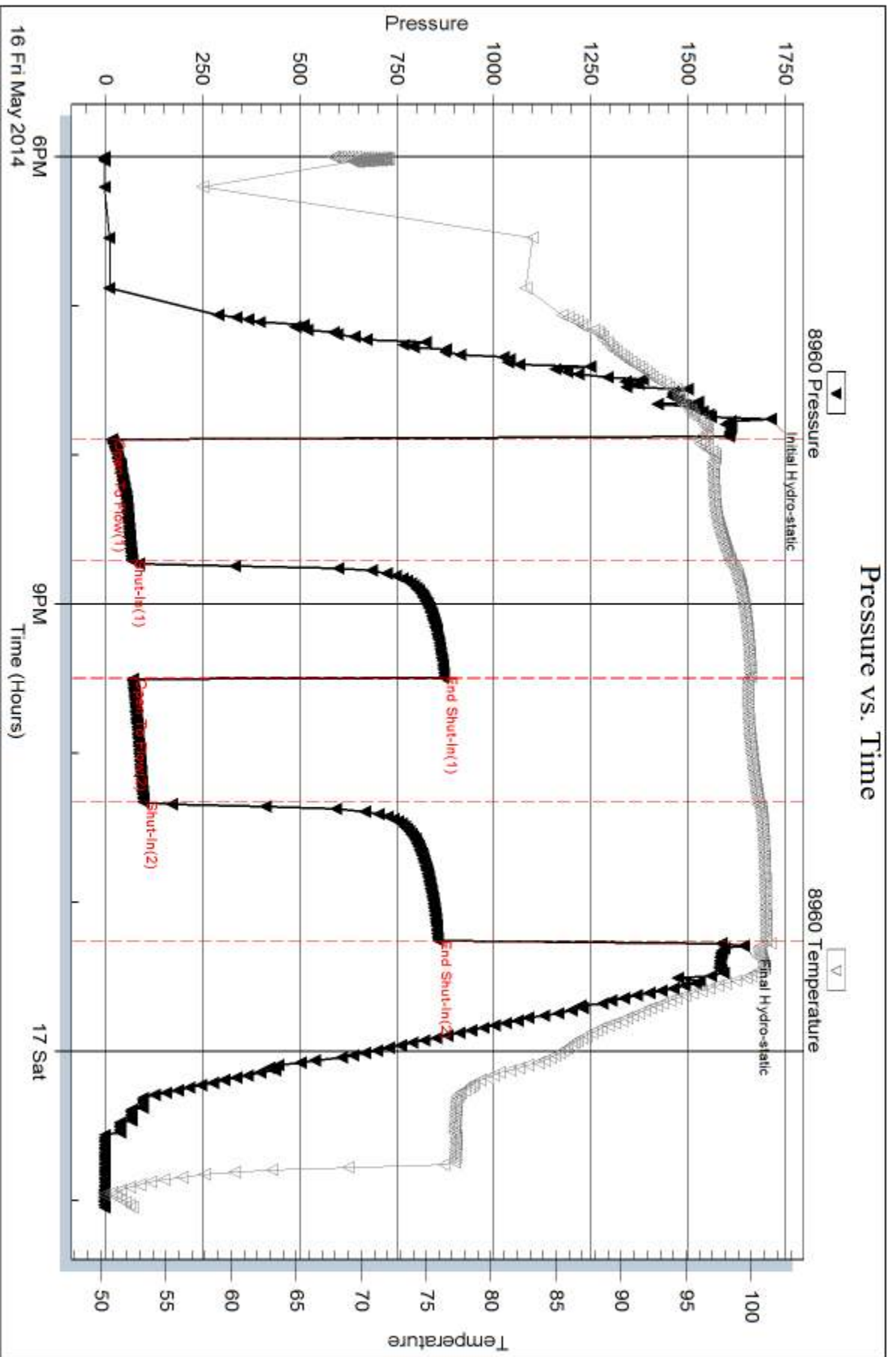
Serial #: 8960

Inside

Batch Production

Daw nby #1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 58177

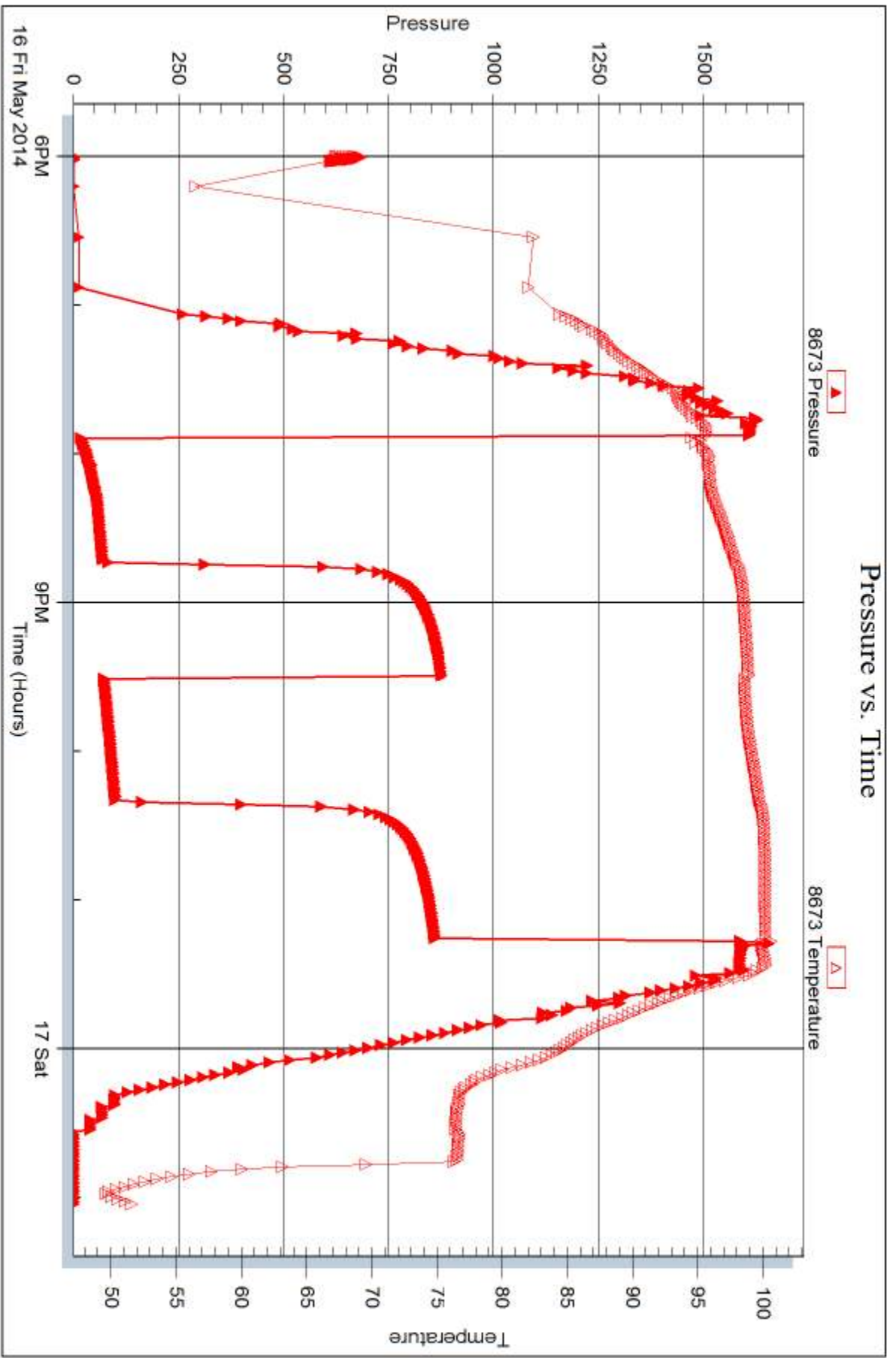
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Serial #: 8673

Outside Batch Production

Daw nby #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 58177

Printed: 2014.05.21 @ 08:59:39



DRILL STEM TEST REPORT

Prepared For: **Bach Production**

PO Box 723
Alma NE 68920

ATTN: Bob Peterson

Dawnby #1

14-1-19w Phillips,KS

Start Date: 2014.05.17 @ 18:30:00

End Date: 2014.05.18 @ 00:26:30

Job Ticket #: 58178 DST #: 2

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

Printed: 2014.05.21 @ 08:59:13



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Bach Production

14-1-19w Phillips,KS

PO Box 723
Alma NE 68920

Dawnby #1

Job Ticket: 58178

DST#: 2

ATTN: Bob Peterson

Test Start: 2014.05.17 @ 18:30:00

GENERAL INFORMATION:

Formation: **LKC-**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:40:00

Time Test Ended: 00:26:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Kreuzer Jr.

Unit No: 61

Interval: 3445.00 ft (KB) To 3540.00 ft (KB) (TVD)

Reference Elevations: 2085.00 ft (KB)

Total Depth: 3540.00 ft (KB) (TVD)

2080.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8960

Inside

Press@RunDepth: 721.25 psig @ 3446.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.17

End Date:

2014.05.18

Last Calib.:

2014.05.18

Start Time: 18:30:01

End Time:

00:26:30

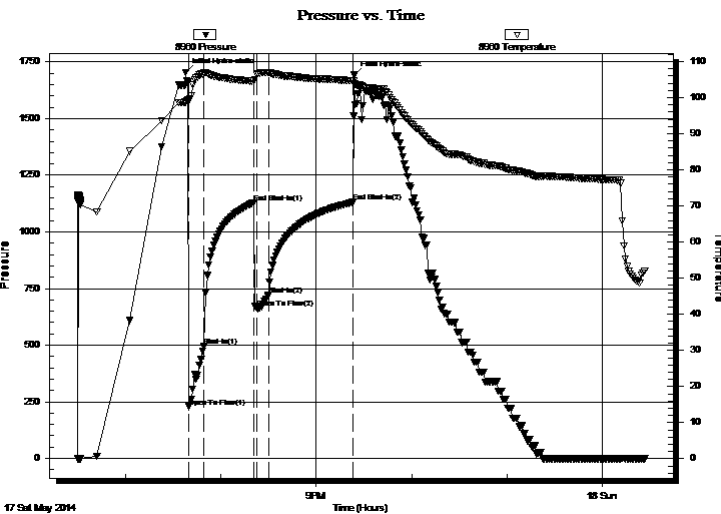
Time On Btm:

2014.05.17 @ 19:38:00

Time Off Btm:

2014.05.17 @ 21:24:00

TEST COMMENT: IF: Strong blow , Built to B.O.B in 30 sec.
IS: No blow back
FF: Strong blow , Built to B.O.B in 30 sec.
FS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1704.26	98.79	Initial Hydro-static
2	227.90	99.15	Open To Flow (1)
12	495.49	106.79	Shut-In(1)
43	1129.25	104.66	End Shut-In(1)
45	664.00	106.25	Open To Flow (2)
52	721.25	106.92	Shut-In(2)
105	1131.20	104.71	End Shut-In(2)
106	1691.78	103.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
121.00	w cm-20%w 80%m	0.68
310.00	mcw -30%m70%w	4.35
603.00	w ater-100%w	8.46

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Bach Production

14-1-19w Phillips,KS

PO Box 723
Alma NE 68920

Dawnby #1

Job Ticket: 58178

DST#: 2

ATTN: Bob Peterson

Test Start: 2014.05.17 @ 18:30:00

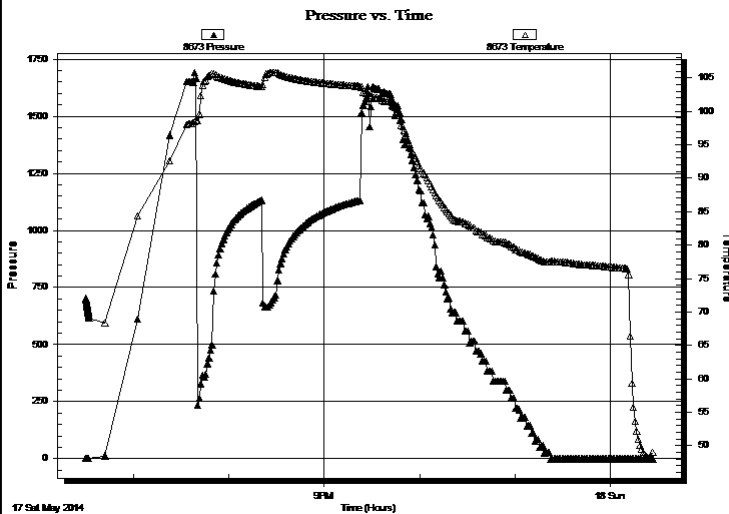
GENERAL INFORMATION:

Formation: **LKC-**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 19:40:00 Tester: Chuck Kreutzer Jr.
 Time Test Ended: 00:26:30 Unit No: 61
Interval: 3445.00 ft (KB) To 3540.00 ft (KB) (TVD) Reference Elevations: 2085.00 ft (KB)
 Total Depth: 3540.00 ft (KB) (TVD) 2080.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8673 Outside

Press@RunDepth: psig @ 3446.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.05.17 End Date: 2014.05.18 Last Calib.: 2014.05.18
 Start Time: 18:30:01 End Time: 00:26:30 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Strong blow , Built to B.O.B in 30 sec.
 IS: No blow back
 FF: Strong blow , Built to B.O.B in 30 sec.
 FS: No blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
121.00	w cm-20%w 80%m	0.68
310.00	mcw -30%m70%w	4.35
603.00	w ater-100%w	8.46

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Production

14-1-19w Phillips,KS

PO Box 723
Alma NE 68920

Dawnby #1

Job Ticket: 58178

DST#: 2

ATTN: Bob Peterson

Test Start: 2014.05.17 @ 18:30:00

Tool Information

Drill Pipe:	Length: 3315.00 ft	Diameter: 3.80 inches	Volume: 46.50 bbl	Tool Weight:	2400.00 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: 112.00 ft	Diameter: 2.25 inches	Volume: 0.55 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume: 47.05 bbl</u>	Tool Chased	2.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3445.00 ft			Final	50000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	95.00 ft				
Tool Length:	123.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3422.00	
Hydraulic tool	5.00			3427.00	
Jars	5.00			3432.00	
Safety Joint	3.00			3435.00	
Packer	5.00			3440.00	28.00 Bottom Of Top Packer
Packer	5.00			3445.00	
Stubb	1.00			3446.00	
Recorder	0.00	8960	Inside	3446.00	
Recorder	0.00	8673	Outside	3446.00	
Perforations	27.00			3473.00	
change Over Sub	1.00			3474.00	
Drill Pipe	62.00			3536.00	
Change Over Sub	1.00			3537.00	
Bullnose	3.00			3540.00	95.00 Bottom Packers & Anchor

Total Tool Length: 123.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Production

14-1-19w Phillips,KS

PO Box 723
Alma NE 68920

Dawnby #1

Job Ticket: 58178

DST#: 2

ATTN: Bob Peterson

Test Start: 2014.05.17 @ 18:30:00

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:

ppm

Viscosity: 69.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 4.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 300.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
121.00	w cm-20%w 80%m	0.677
310.00	mcw -30%m70%w	4.348
603.00	w ater-100%w	8.459

Total Length: 1034.00 ft Total Volume: 13.484 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8960

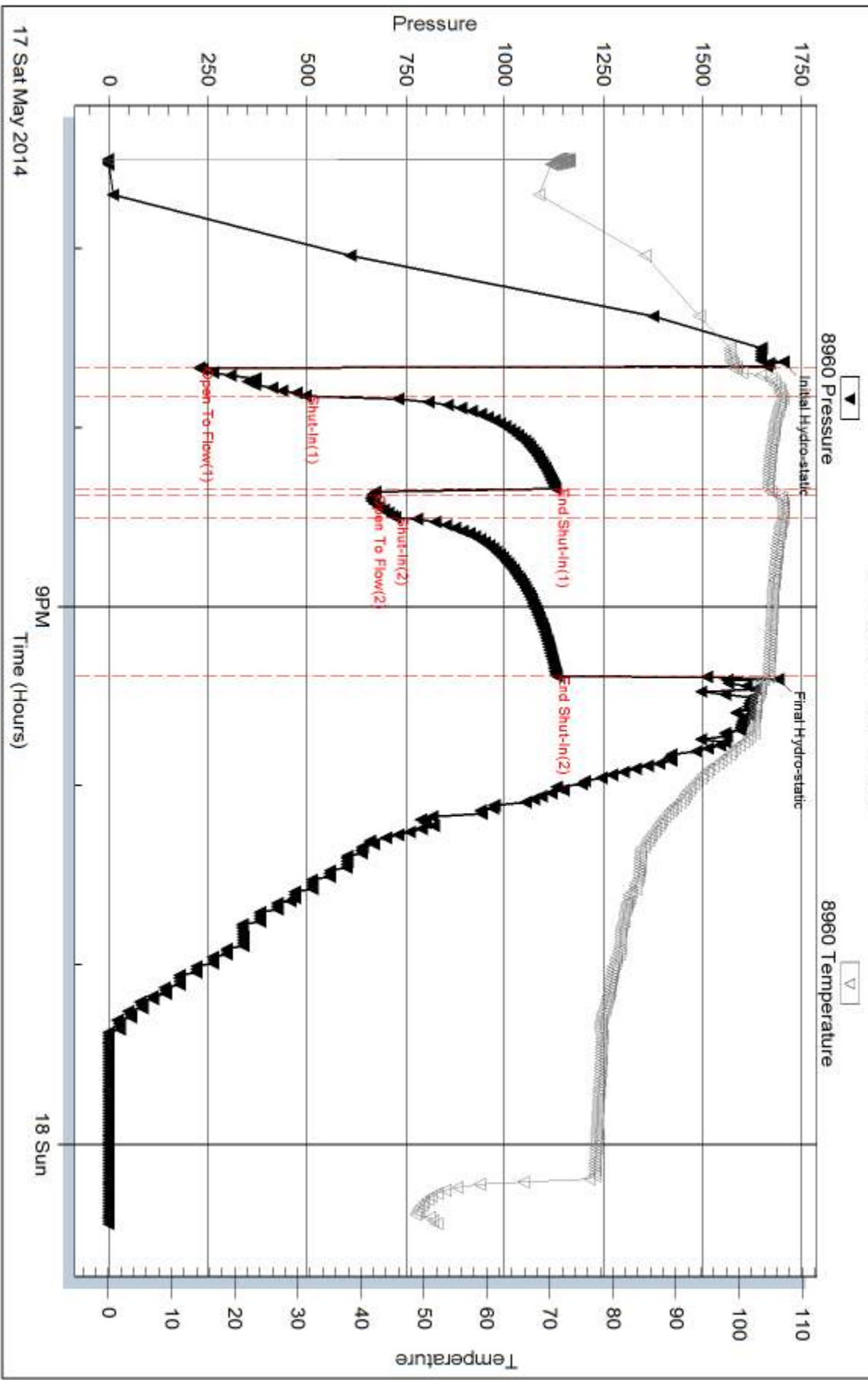
Inside

Batch Production

Daw nbj #1

DST Test Number: 2

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 58178

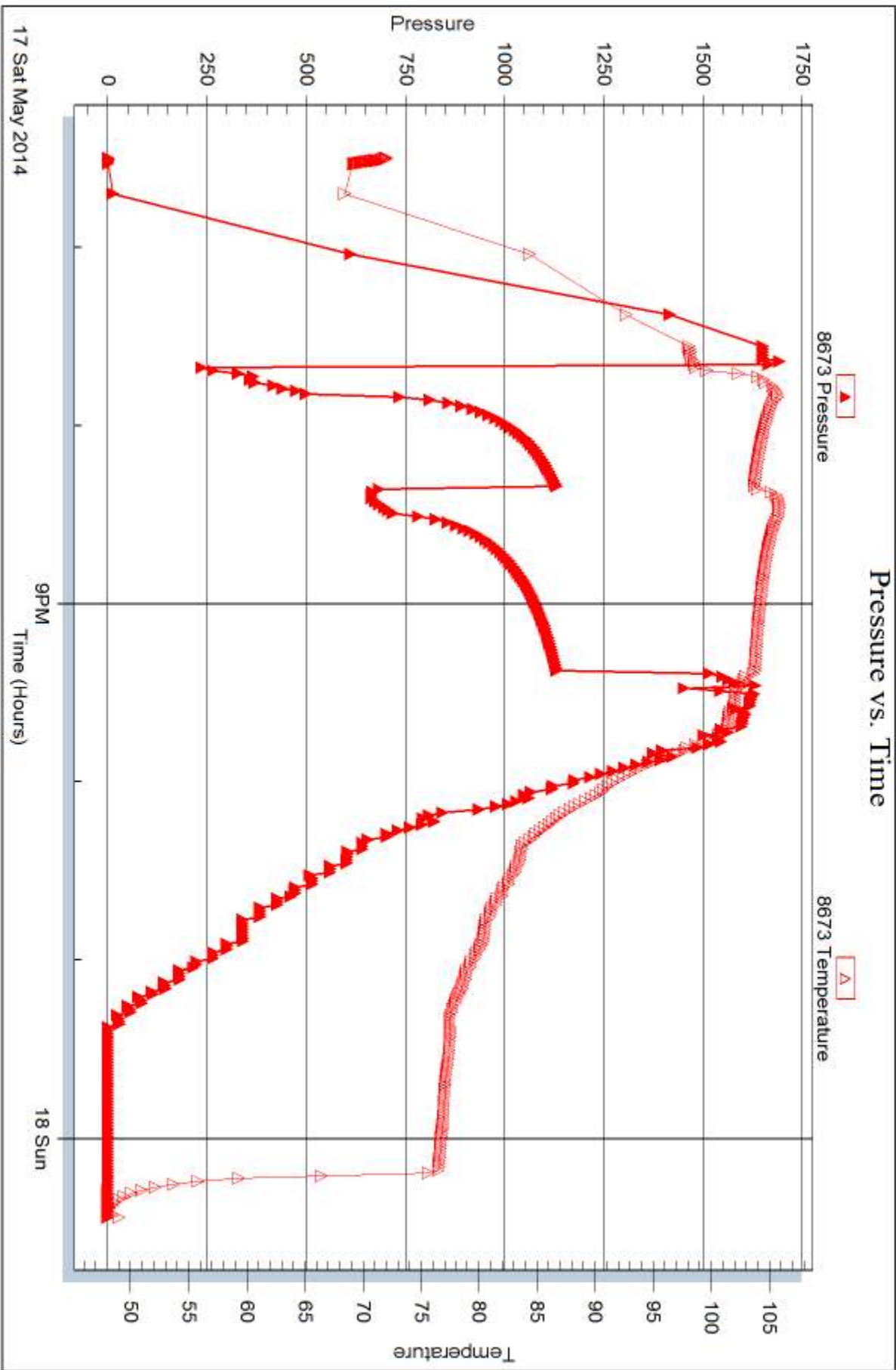
Printed: 2014.05.21 @ 08:59:14

Serial #: 8673

Outside Batch Production

Daw nby #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 58178

Printed: 2014.05.21 @ 08:59:15



DRILL STEM TEST REPORT

Prepared For: **Bach Production**

PO Box 723
Alma NE 68920

ATTN: Bob Peterson

Dawnby #1

14-1-19w Phillips,KS

Start Date: 2014.05.18 @ 06:20:00

End Date: 2014.05.18 @ 13:13:30

Job Ticket #: 58179 DST #: 3

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

Printed: 2014.05.21 @ 08:58:20



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Bach Production

14-1-19w Phillips,KS

PO Box 723
Alma NE 68920

Dawnby #1

Job Ticket: 58179

DST#: 3

ATTN: Bob Peterson

Test Start: 2014.05.18 @ 06:20:00

GENERAL INFORMATION:

Formation: **LKC I-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:51:00

Time Test Ended: 13:13:30

Test Type: Conventional Straddle (Reset)

Tester: Chuck Kreuzer Jr.

Unit No: 61

Interval: 3438.00 ft (KB) To 3483.00 ft (KB) (TVD)

Reference Elevations: 2085.00 ft (KB)

Total Depth: 3483.00 ft (KB) (TVD)

2080.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8960

Inside

Press@RunDepth: 46.71 psig @ 3439.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.18

End Date:

2014.05.18

Last Calib.: 2014.05.18

Start Time: 06:20:01

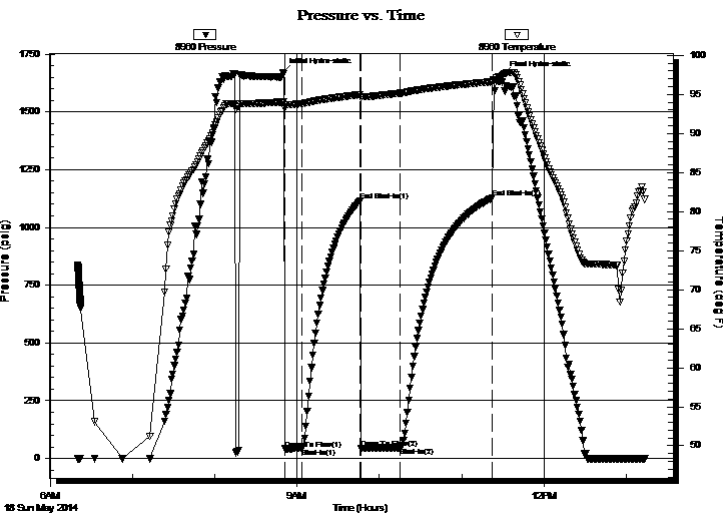
End Time:

13:13:30

Time On Btm: 2014.05.18 @ 08:49:30

Time Off Btm: 2014.05.18 @ 11:30:30

TEST COMMENT: IF: Weak blow , Built to 1/2" over 45 mins.
IS: No blow back
FF: Weak blow , Surface over 30 mins.
FS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1671.00	94.05	Initial Hydro-static
2	41.62	93.23	Open To Flow (1)
14	43.03	93.82	Shut-In(1)
57	1114.98	94.96	End Shut-In(1)
57	44.54	94.54	Open To Flow (2)
86	46.71	95.15	Shut-In(2)
153	1127.44	96.64	End Shut-In(2)
161	1659.16	97.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	mud w ith oil specs	0.25

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Bach Production

14-1-19w Phillips,KS

PO Box 723
Alma NE 68920

Dawnby #1

Job Ticket: 58179

DST#: 3

ATTN: Bob Peterson

Test Start: 2014.05.18 @ 06:20:00

GENERAL INFORMATION:

Formation: **LKC I-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:51:00

Time Test Ended: 13:13:30

Test Type: Conventional Straddle (Reset)

Tester: Chuck Kreuzer Jr.

Unit No: 61

Interval: 3438.00 ft (KB) To 3483.00 ft (KB) (TVD)

Total Depth: 3483.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2085.00 ft (KB)

2080.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8673 **Outside**

Press@RunDepth: psig @ 3439.00 ft (KB)

Start Date: 2014.05.18

End Date: 2014.05.18

Capacity: 8000.00 psig

Last Calib.: 2014.05.18

Start Time: 06:20:01

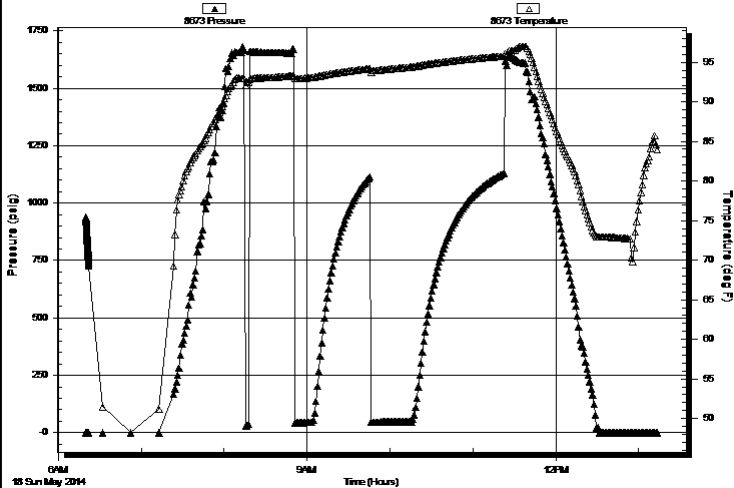
End Time: 13:14:00

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Weak blow , Built to 1/2" over 45 mins.
IS: No blow back
FF: Weak blow , Surface over 30 mins.
FS: No blow back

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
50.00	mud w ith oil specs	0.25

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Bach Production

14-1-19w Phillips,KS

PO Box 723
Alma NE 68920

Dawnby #1

Job Ticket: 58179

DST#: 3

ATTN: Bob Peterson

Test Start: 2014.05.18 @ 06:20:00

GENERAL INFORMATION:

Formation: **LKC I-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:51:00

Time Test Ended: 13:13:30

Test Type: Conventional Straddle (Reset)

Tester: Chuck Kreutzer Jr.

Unit No: 61

Interval: 3438.00 ft (KB) To 3483.00 ft (KB) (TVD)

Reference Elevations: 2085.00 ft (KB)

Total Depth: 3483.00 ft (KB) (TVD)

2080.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8651 Below (Straddle)

Press@RunDepth: psig @ 3484.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.18

End Date:

2014.05.18

Last Calib.:

2014.05.18

Start Time: 06:20:05

End Time:

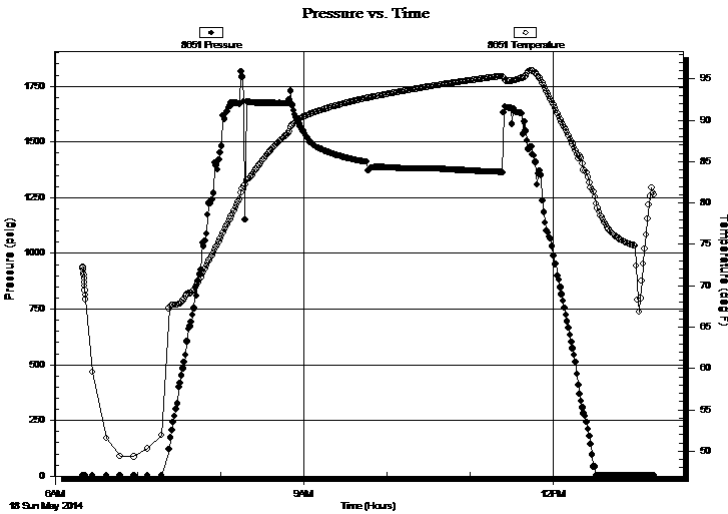
13:13:59

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Weak blow , Built to 1/2" over 45 mins.
IS: No blow back
FF: Weak blow , Surface over 30 mins.
FS: No blow back

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
50.00	mud w ith oil specs	0.25

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Production

14-1-19w Phillips,KS

PO Box 723
Alma NE 68920

Dawnby #1

Job Ticket: 58179

DST#: 3

ATTN: Bob Peterson

Test Start: 2014.05.18 @ 06:20:00

Tool Information

Drill Pipe:	Length: 3311.00 ft	Diameter: 3.80 inches	Volume: 46.44 bbl	Tool Weight: 2400.00 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: 112.00 ft	Diameter: 2.25 inches	Volume: 0.55 bbl	Weight to Pull Loose: 46000.00 lb
			<u>Total Volume: 46.99 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3438.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	3483.00 ft			
Interval between Packers:	45.00 ft			
Tool Length:	289.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description

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

Shut In Tool	5.00			3413.00	
Sampler	2.00			3415.00	
Hydraulic tool	5.00			3420.00	
Jars	5.00			3425.00	
Safety Joint	3.00			3428.00	
Packer	5.00			3433.00	30.00 Bottom Of Top Packer
Packer	5.00			3438.00	
Stubb	1.00			3439.00	
Recorder	0.00	8960	Inside	3439.00	
Recorder	0.00	8673	Outside	3439.00	
Perforations	5.00			3444.00	
Change Over Sub	1.00			3445.00	
Blank Spacing	31.00			3476.00	
Change Over Sub	1.00			3477.00	
Perforations	1.00			3478.00	
Blank Off Sub	1.00			3479.00	
Blank Spacing	4.00			3483.00	45.00 Tool Interval
Packer	1.00			3484.00	
Packer - Shale	0.00			3484.00	
Recorder	0.00	8651	Below	3484.00	
Change Over Sub	1.00			3485.00	
Blank Spacing	188.00			3673.00	
Change Over Sub	1.00			3674.00	
Perforations	20.00			3694.00	
Bullnose	3.00			3697.00	214.00 Bottom Packers & Anchor

Total Tool Length: 289.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Production

14-1-19w Phillips,KS

PO Box 723
Alma NE 68920

Dawnby #1

Job Ticket: 58179

DST#: 3

ATTN: Bob Peterson

Test Start: 2014.05.18 @ 06:20:00

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: 69.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 4.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 300.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	mud w ith oil specs	0.246

Total Length: 50.00 ft Total Volume: 0.246 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8960

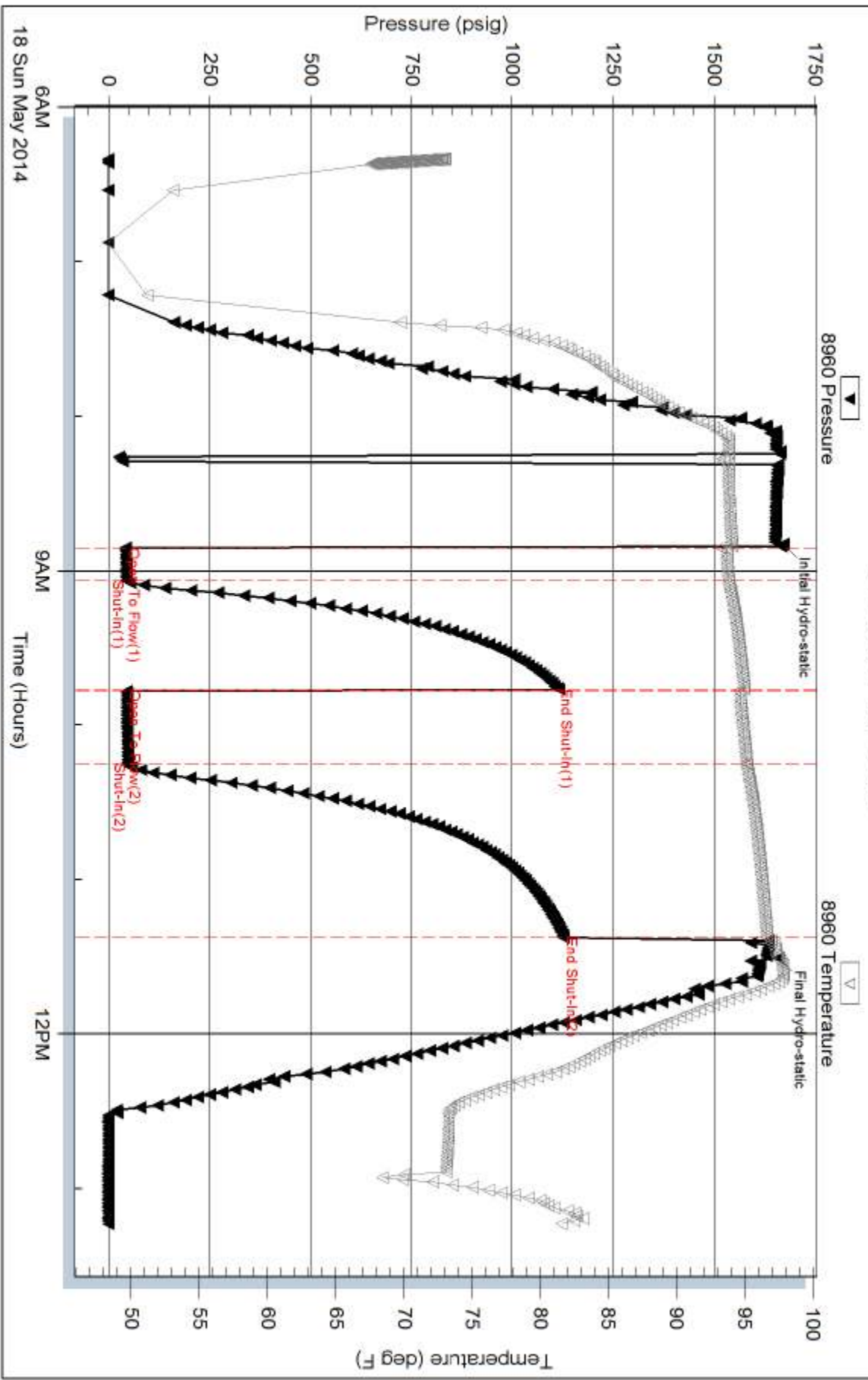
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Batch Production

Daw nby #1

DST Test Number: 3

Pressure vs. Time



Triobrite Testing, Inc

Ref. No: 58179

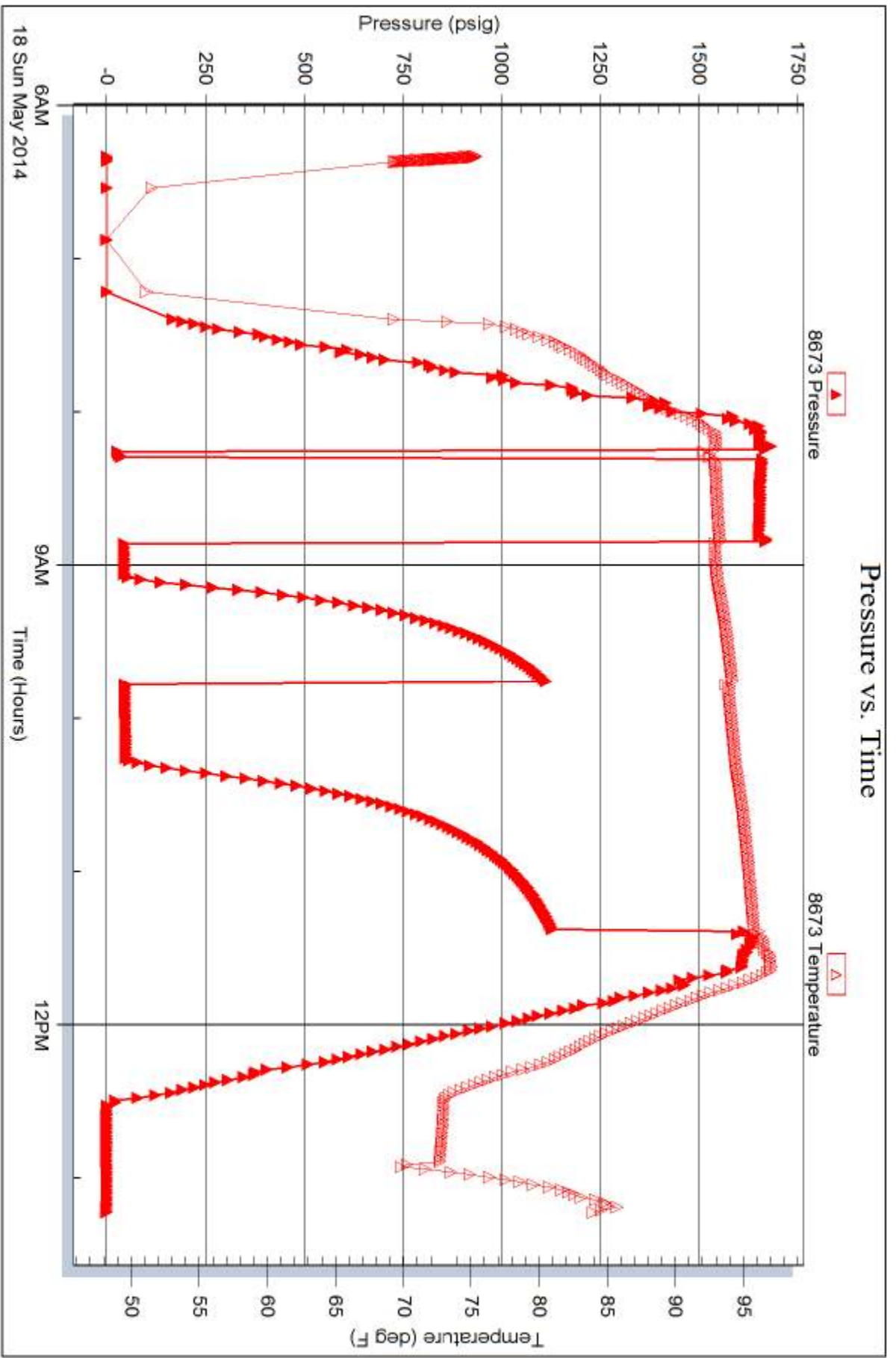
Printed: 2014.05.21 @ 08:58:21

Serial #: 8673

Outside Batch Production

Daw by #1

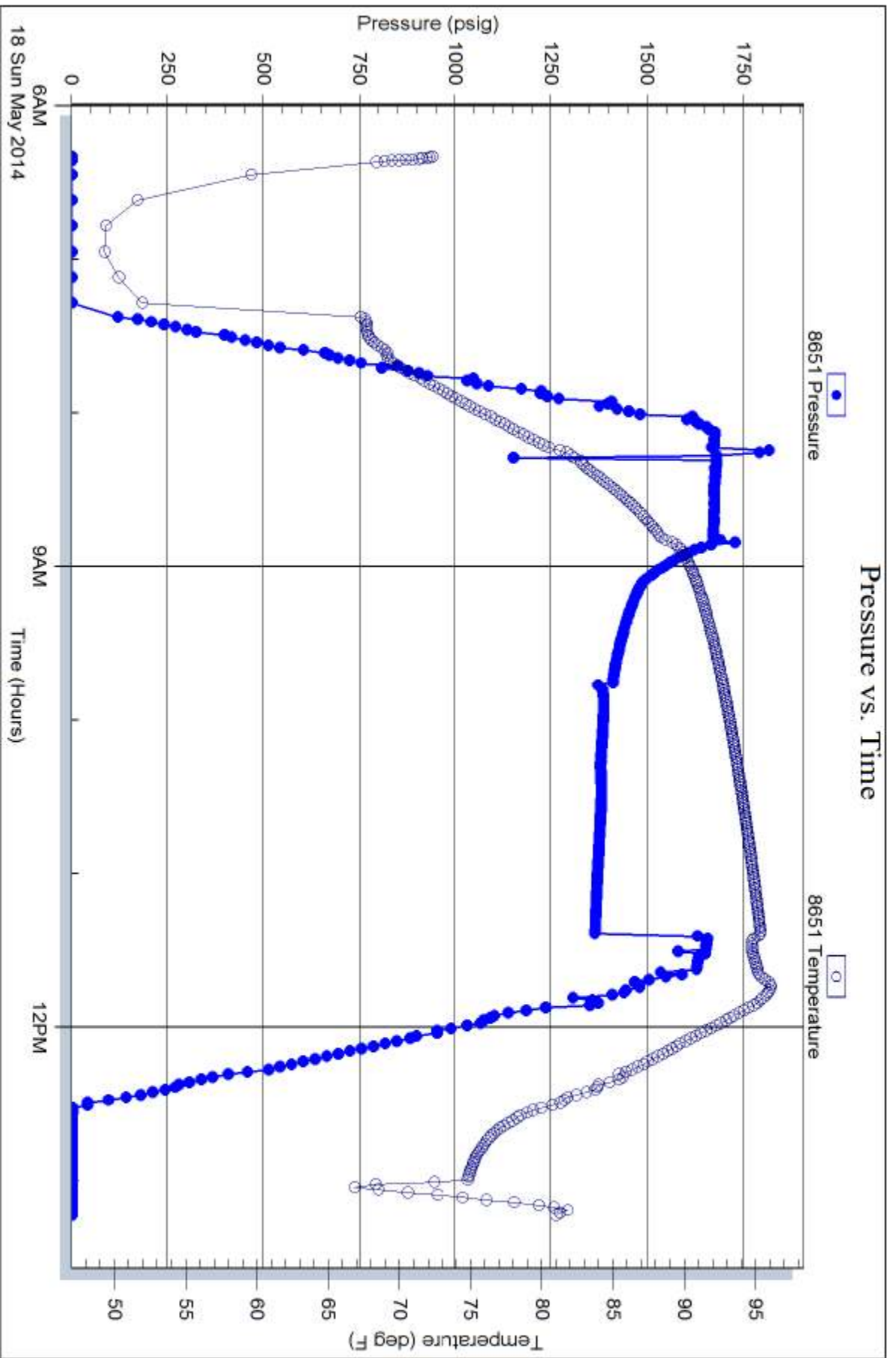
DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 58179

Printed: 2014.05.21 @ 08:58:21





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58177

Well Name & No. Dawnby #1 Test No. 1 Date 5-16-14
 Company Proppack 723 - A' Bach Production Elevation 2080 KB 2080 GL
 Address P.O. Box 723 Alma Ne. 68920
 Co. Rep / Geo. Bob Peterson Rig MURFR #24
 Location: Sec. 14 Twp. 1 Rge. 19 W Co. Phillips State Ks.

Interval Tested 3326 3328 Zone Tested LKC
 Anchor Length 52 Drill Pipe Run 3216 Mud Wt. 8.8
 Top Packer Depth 3321 Drill Collars Run 112 Vis 69
 Bottom Packer Depth 3326 Wt. Pipe Run 0 WL 4.0
 Total Depth 3378 Chlorides 300 ppm System LCM 1#

Blow Description IF: Weak blow, Built to 3 in. over 45 mins.

ISS: No blow back

FF: Weak blow After 15 mins. Built to 1 1/4 in. over 45 mins.

FSI: No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>WCA with 1 ft free oil</u>			<u>40%</u>	<u>60%</u>
<u>112</u>	<u>MCW</u>			<u>70%</u>	<u>30%</u>

Rec Total 117 BHT 101 Gravity _____ API RW .32 @ 65 ° F Chlorides 19,500 ppm

(A) Initial Hydrostatic <u>1713</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>16:20</u>
(B) First Initial Flow <u>17</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>18:00</u>
(C) First Final Flow <u>69</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>19:55</u>
(D) Initial Shut-In <u>873</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>23:15</u>
(E) Second Initial Flow <u>72</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>1:03</u>
(F) Second Final Flow <u>98</u>	<input checked="" type="checkbox"/> Mileage <u>60 x 2 = 120</u> 186	Comments _____
(G) Final Shut-In <u>857</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1643</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>45</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Flow <u>45</u>	<input type="checkbox"/> Day Standby _____	Total <u>1661</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1661</u>	

Approved By _____ Our Representative [Signature]

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58178

Well Name & No. Dawnby #1 Test No. 2 Date 5-17-14
 Company Bach Productions Elevation 2085 KB 2080 GL
 Address P.O. Box 723 Alma Ne. 68920
 Co. Rep / Geo. Bob Peterson Rig Murfm #24
 Location: Sec. 14 Twp. 1 Rge. 19w Co. Phillips State KS

Interval Tested 3445 3540 Zone Tested LKC
 Anchor Length 95 Drill Pipe Run 3315 Mud Wt. 8.8
 Top Packer Depth 3440 Drill Collars Run 112 Vis 69
 Bottom Packer Depth 3445 Wt. Pipe Run -0- WL 4.0
 Total Depth 3540 Chlorides 300 ppm System LCM 1#

Blow Description IF: strong blow, Built to B.O.B in 30 secs.

ISI: No blow back

FF: strong blow, Built to B.O.B in 30 secs.

Fsi: No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>603</u>	<u>water</u>			<u>90%</u>	<u>10%</u>
<u>310</u>	<u>mcw</u>			<u>70%</u>	<u>30%</u>
<u>121</u>	<u>mcw</u>			<u>20%</u>	<u>80%</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1043 BHT 107 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1704</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>18:00</u>
(B) First Initial Flow <u>228</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>18:30</u>
(C) First Final Flow <u>495</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>19:40</u>
(D) Initial Shut-In <u>112A</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>22:15</u>
(E) Second Initial Flow <u>664</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>00:24</u>
(F) Second Final Flow <u>721</u>	<input checked="" type="checkbox"/> Mileage <u>60x2 = 120x1.55</u> 186	Comments _____
(G) Final Shut-In <u>1131</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1692</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>10</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>5</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby _____	Total <u>1661</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1661</u>	

Approved By _____

Our Representative Chuck Peterson

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. 58179

4/10

Well Name & No. Dawnby #1 Test No. 3 Date 5-18-14
 Company Back Production Elevation 2095 KB 2090 GL
 Address P.O. Box 723 Alma Ne. 68920
 Co. Rep / Geo. Bob Peterson Rig Murphy #24
 Location: Sec. 14 Twp. 1 Rge. 19W Co. Phillips State Ks

Interval Tested 3438 3483 Zone Tested LRL-E45
 Anchor Length 45 Drill Pipe Run 3311 Mud Wt. 8.8
 Top Packer Depth 3433 Drill Collars Run 112 Vis 69
 Bottom Packer Depth 3483 Wt. Pipe Run 0 WL 4.0
 Total Depth 3540 Chlorides 300 ppm System LCM 1#

Blow Description IF: weak blow, built to 1/2 in. over 45 mins.
ISI: No blow back
FF: weak surface blow
FSE: No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>50</u>	<u>mud with oil specs</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 50 BHT _____ Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1671</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>5-17-14</u> <u>18:00</u>
(B) First Initial Flow <u>41</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>6:20</u>
(C) First Final Flow <u>43</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>8:51</u>
(D) Initial Shut-In <u>1115</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>11:15</u>
(E) Second Initial Flow <u>45</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>13:13</u>
(F) Second Final Flow <u>47</u>	<input checked="" type="checkbox"/> Mileage <u>186</u>	Comments _____
(G) Final Shut-In <u>1127</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1654</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>45</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	Total <u>2261</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>2261</u>	

Approved By _____

Our Representative Chad Hays

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

INVOICE

Invoice Number: 143244
Invoice Date: May 13, 2014
Page: 1

Bill To:
Bach Oil Production 82 W. 500 Ln. Phillipsburg, KS 67661

Customer ID	Field Ticket #	Payment Terms	
Bach	55265	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Russell	May 13, 2014	6/12/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Dawndy #1		
175.00	CEMENT MATERIALS	Class A Common	17.90	3,132.50
330.00	CEMENT MATERIALS	Gel	0.24	79.20
495.00	CEMENT MATERIALS	Chloride	0.80	396.00
175.00	CEMENT SERVICE	Cubic Feet Charge	2.48	434.00
412.50	CEMENT SERVICE	Ton Mileage Charge	2.60	1,072.50
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
50.00	CEMENT SERVICE	Pump Truck Mileage	7.70	385.00
50.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	220.00
1.00	CEMENT SUPERVISOR	Tony Pfannenstiel		
1.00	OPERATOR ASSISTANT	Danny Sinner		
1.00	OPERATOR ASSISTANT	Jesse Cozart		

Subtotal	7,231.45
Sales Tax	239.91
Total Invoice Amount	7,471.36
Payment/Credit Applied	
TOTAL	7,471.36

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

\$ 1,735.55

ONLY IF PAID ON OR BEFORE

Jun 7, 2014

ALLIED OIL & GAS SERVICES, LLC 055265

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Russell Ks

DATE	SEC	TWP	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
5.13.14	14	1	19			9:00	9:30 pm
LEASE <i>Dawn</i>	WELL# 1	LOCATION <i>Phillipsburg, Ks</i>	COUNTY <i>Phillips</i>	STATE <i>Ks</i>			
OLD OR NEW (Circle one) <input checked="" type="radio"/> OLD				N to 383rd SW 24 S W 140.			

CONTRACTOR <i>Murphy #24</i>		OWNER
TYPE OF JOB <i>Surf/Sec.</i>		
HOLE SIZE <i>12 1/2</i>	T.D.	CEMENT
CASING SIZE <i>8 5/8</i>	DEPTH <i>218-</i>	AMOUNT ORDERED <i>175 sk Cym</i>
TUBING SIZE	DEPTH	<i>+ 37 cc + 21. gal</i>
DRILL PIPE	DEPTH	
TOOL	DEPTH	
PRES. MAX	MINIMUM	COMMON <i>175 sk @ 17.70 \$ 3,132.50</i>
MEAS. LINE	SHOE JOINT <i>15'</i>	POZMIX @
CEMENT LEFT IN CSG. <i>15'</i>		GEL <i>330 lb @ 1.24 \$ 79.20</i>
PERFS.		CHLORIDE <i>495 lb @ .80 \$ 396.00</i>
DISPLACEMENT <i>12.93 lb/gal</i>		ASC @

EQUIPMENT	
PUMP TRUCK # <i>417</i>	CEMENTER HELPER <i>Greg Pennick / Tony S</i>
BULK TRUCK # <i>378</i>	DRIVER <i>Jesse C</i>
BULK TRUCK #	DRIVER

<i>Material</i>	@	<i>3607.70</i>
<i>Disc</i>	@	<i>865.84</i>
	@	
	@	
	@	
HANDLING <i>175 sk @ 2.48</i>		<i>\$ 434.00</i>
MILEAGE <i>412.5 fm 2.60</i>		<i>\$ 1,072.50</i>
		TOTAL <i>\$ 5,114.25</i>

REMARKS:

See Cementing Job Log
Cement to Surface

SERVICE

DEPTH OF JOB	<i>218'</i>
PUMP TRUCK CHARGE	<i>\$ 1,512.25</i>
EXTRA FOOTAGE	@
MILEAGE <i>Drive 50m @ 7.7</i>	<i>\$ 385.00</i>
MANIFOLD <i>High 50m @ 4.4</i>	<i>\$ 220.00</i>
	@
	@

CHARGE TO: *BAGH Oil*
STREET _____
CITY _____ STATE _____ ZIP *67665*

<i>Disc</i> 869.70	TOTAL <i>3623.75</i>
	<i>2,497.25</i>

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

TOTAL *10*

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 *Anthony Martin*
SIGNATURE *Anthony Martin*

SALES TAX (if Any)	
TOTAL CHARGES <i>7,231.45</i>	
DISCOUNT <i>1,635.55</i>	<i>34%</i>
IF PAID IN 30 DAYS	
<i>Net 5495.90</i>	



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 143375
Invoice Date: May 19, 2014
Page: 1

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

Bill To:
Bach Oil Production 82 W. 500 Ln. Phillipsburg, KS 67661

Customer ID	Field Ticket #	Payment Terms	
Bach	55245	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-02	Russell	May 19, 2014	6/18/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Dawndy #1		
258.00	CEMENT MATERIALS	Chloride	0.80	206.40
450.00	CEMENT MATERIALS	AMD	25.90	11,655.00
150.00	CEMENT MATERIALS	60/40 Blend	14.93	2,239.50
2,250.00	CEMENT MATERIALS	Gilsonite	0.98	2,205.00
1,787.00	CEMENT MATERIALS	Salt	0.53	947.11
600.00	CEMENT SERVICE	Cubic Feet Charge	2.48	1,488.00
1,380.00	CEMENT SERVICE	Ton Mileage Charge	2.60	3,588.00
1.00	CEMENT SERVICE	Long String	2,558.75	2,558.75
50.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	220.00
1.00	CEMENT SERVICE	Manifold Rental	275.00	275.00
150.00	CEMENT SERVICE	Heavy Vehicle Mileage	7.70	1,155.00
1.00	EQUIPMENT SALES	5-1/2 AFU Float Shoe	545.00	545.00
1.00	EQUIPMENT SALES	5-1/2 Latch Down	660.00	660.00
10.00	EQUIPMENT SALES	5-1/2 Centralizer	57.00	570.00
5.00	EQUIPMENT SALES	5-1/2 Basket	395.00	1,975.00
1.00	CEMENT SUPERVISOR	Robert Yakubovich		
1.00	EQUIPMENT OPERATOR	Nathan Donner		
1.00	OPERATOR ASSISTANT	Jesse Cozart		
1.00	EQUIPMENT OPERATOR	Kevin Rupp		

Subtotal	30,287.76
Sales Tax	1,396.70
Total Invoice Amount	31,684.46
Payment/Credit Applied	
TOTAL	31,684.46

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

\$ 6,057.55

ONLY IF PAID ON OR BEFORE
Jun 18, 2014

ALLIED OIL & GAS SERVICES, LLC 0 245

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Russell KS

DATE <u>5-19-14</u>	SEC <u>14</u>	TWP <u>1</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION	JOB START <u>4:30 AM</u>	JOB FINISH <u>5:00 AM</u>
LEASE <u>Dawndy</u>	WELL# <u>1</u>	LOCATION <u>Phillipsburg 22N5W</u>			COUNTY <u>Phillips</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)				<u>2 1/2 5 W into</u>			

CONTRACTOR Murfin 24
 TYPE OF JOB long string
 HOI.F. SIZE 7 7/8 T.D. 3540
 CASING SIZE 5 1/2 15.5 DEPTH 3541.78
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 15.32
 CEMENT LEFT IN CSG. 15.32
 PERFS.
 DISPLACEMENT 83 3/4 bbl

OWNER
 CEMENT
 AMOUNT ORDERED 450 AMD 5# Gilsomite/sk
150 490 2 bags 10 bags 11 2 to cc
 COMMON @
 POZMIX @
 GEL @
 CHLORIDE 258^{cc} @ 0.80 206.40
 ASC @
 AMD 450 @ 25.90 11655.00
150 @ 14.93 2239.50
 Gilsomite 2250^{cc} @ 0.98 2205.00
 Salt 1787^{cc} @ 0.53 947.11
 @
 Material @ 17253.01
 @
 @ 3450.60
 @
 HANDLING 600 sks @ 2.48 1488.00
 MILEAGE 1380 Hm 2.60 3588.00
 TOTAL 22329.01

EQUIPMENT

PUMP TRUCK CEMENTER Robert Y
 # 409 HELPER Nathan D
 BULK TRUCK
 # 410 DRIVER Jesse C
 BULK TRUCK
 # 481 DRIVER Kevin R

REMARKS:

see log
cement did circulate to surface
pump 40 sks at pit

Thank you!!!

CHARGE TO: Bach Oil Company
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB 3540
 PUMP TRUCK CHARGE 2558.75
 EXTRA FOOTAGE @
 MILEAGE 50 LUM.I @ 4.40 220.00
 @ 275.00 275.00
 MANIFOLD
150 H.V.M.I @ 7.70 1155.00
 @
2287.75
1856.95 TOTAL 4208.75

PLUG & FLOAT EQUIPMENT

5/2 APLI float shoe @ 545.00 545.00
5/2 WF. hatchdown @ 660.00 660.00
5/2 WF centerline 10 @ 570.00 570.00
5/2 WF baskets 5 @ 395.00 1975.00
 @
1750.00 TOTAL 3750.00

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 30287.76
 DISCOUNT 6057.55 20% IF PAID IN 30 DAYS
 net \$ 24230.21

PRINTED NAME _____
 SIGNATURE Dale P. [Signature]



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 144064

Invoice Date: Jun 26, 2014

Page: 1

Bill To:
Bach Oil Production 82 W. 500 Ln. Phillipsburg, KS 67661

Customer ID	Field Ticket #	Payment Terms	
Bach	55295	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-05	Russell	Jun 26, 2014	7/26/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Dawndy #1		
300.00	CEMENT MATERIALS	Class A Common	17.90	5,370.00
300.00	CEMENT SERVICE	Cubic Feet Charge	2.48	744.00
710.00	CEMENT SERVICE	Ton Mileage Charge	2.75	1,952.50
1.00	CEMENT SERVICE	Squeeze	2,600.47	2,600.47
100.00	CEMENT SERVICE	Heavy Vehicle Mileage	7.70	770.00
50.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	220.00
1.00	CEMENT SUPERVISOR	Tony Pfannenstiel		
1.00	OPERATOR ASSISTANT	Danny Sinner		
1.00	OPERATOR ASSISTANT	Jonathan Price		

Subtotal	11,656.97
Sales Tax	775.19
Total Invoice Amount	12,432.16
Payment/Credit Applied	
TOTAL	12,432.16

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

\$ 2,914.24

ONLY IF PAID ON OR BEFORE

Jul 26, 2014

ALLIED OIL & GAS SERVICES, LLC

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Russell

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
6.26.14	14	1	19			2:00	3:30 pm
LEASE: <u>Dowdy</u>			WELL # <u>1</u>			LOCATION: <u>Phillipsburg</u>	
OLD OR NEW (Circle one)			n to 383 Oct w to 5000 1/2 s w into			COUNTY: <u>Phillips</u> STATE: <u>KI</u>	

CONTRACTOR: <u>Beck</u>		OWNER:
TYPE OF JOB: <u>Squeeze</u>		
HOLE SIZE: <u>5 1/2</u>	T.D.	CEMENT AMOUNT ORDERED: <u>300 SK con</u>
CASING SIZE: <u>2 7/8</u>	DEPTH: <u>3255'</u>	
TUBING SIZE: <u>2 7/8</u>	DEPTH	<u>4 Bags CC Side</u>
DRILL PIPE	DEPTH	
TOOL	DEPTH	
PRES. MAX	MINIMUM	COMMON: <u>300 @ 17.9 = \$5,370.00</u>
MEAS. LINE	SHOE JOINT	POZMIX @
CEMENT LEFT IN CSG.		GEL @
PERFS.		CHLORIDE @
DISPLACEMENT		ASC @

EQUIPMENT

PUMP TRUCK # <u>417</u>	CEMENTER: <u>Tony Plamowski</u>
BULK TRUCK # <u>410</u>	HELPER: <u>Danny S</u>
BULK TRUCK #	DRIVER: <u>John D</u>
BULK TRUCK #	DRIVER

material @	5370.00
line @	1372.50
HANDLING 300 @ 2.98	\$ 894.00
MILEAGE 710 @ 2.75	\$ 1,952.50
TOTAL: 8,800.00	

REMARKS:

See Cementing Job Log

puller sd. 0 3255'

SERVICE

DEPTH OF JOB	3255
PUMP TRUCK CHARGE	\$ 2,100.97
EXTRA FOOTAGE @	
MILEAGE <u>Regway 100</u> @ 7.7	\$ 770.00
MANIFOLD <u>Big 50</u> @ 4.4	\$ 220.00
TOTAL: 3,590.97	
line 1571.74	

CHARGE TO: Beck Oil

STREET:

CITY: STATE: ZIP: 67665

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
TOTAL		<u>0</u>

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: _____

SIGNATURE: Paul Plamowski

SALES TAX (If Any): _____

TOTAL CHARGES \$ 11,656.97

DISCOUNT \$ 2,916.24 IF PAID IN 30 DAYS

25% net 8742.73

8742.73