



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1153892
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: _____



1153892

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

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

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

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

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

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

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

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

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

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

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

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

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	Farmer, John O., Inc.
Well Name	Hanchett B 2
Doc ID	1153892

All Electric Logs Run

Compensated Density Neutron Log
Micro Resistivity Log
Dual Induction Log
Cement Bond Log

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

August 06, 2013

Marge Schulte
Farmer, John O., Inc.
370 W WICHITA AVE
PO BOX 352
RUSSELL, KS 67665-2635

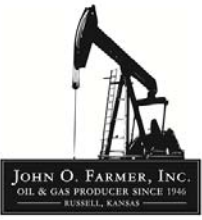
Re: ACO1
API 15-147-20709-00-00
Hanchett B 2
SE/4 Sec.18-04S-18W
Phillips County, Kansas

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,
Marge Schulte



AUSTIN B. KLAUS



Cell 785.650.3629
Work 785.483.3145
Ext 225

PO BOX 352
Russell, KS 67665
austin.klaus@johnofarmer.com

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Hanchett B #2
Location: Phillips County
License Number: API #15-147-20709-00-00
Spud Date: 4/26/2013
Surface Coordinates: Section 18 - Township 4 South - Range 18 West
1,115' FSL & 965' FEL
Bottom Hole Coordinates: Vertical well with minimal deviation, same as above
Ground Elevation (ft): 1,923' **K.B. Elevation (ft):** 1,931'
Logged Interval (ft): 2,850' **To:** RTD **Total Depth (ft):** 3,410'
Formation: Topeka-Lansing
Type of Drilling Fluid: Chemical (Andy's)

Region: Kansas
Drilling Completed: 5/2/2013

Printed by STRIP.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

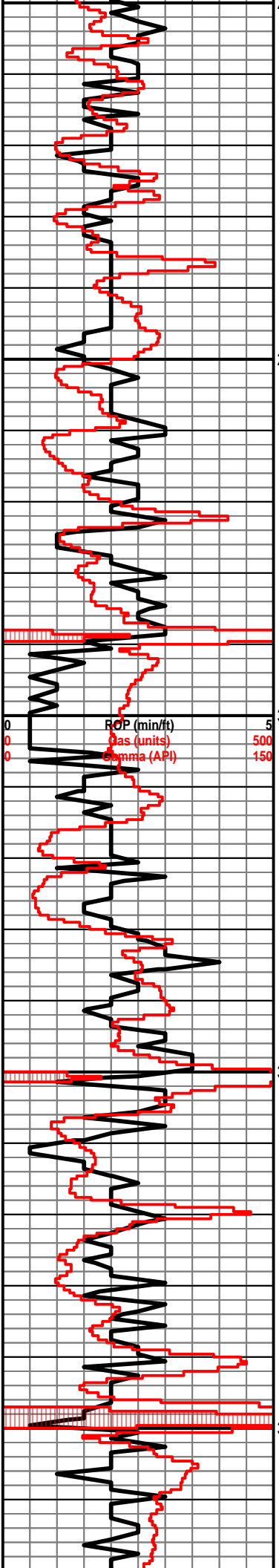
OPERATOR

Company: John O. Farmer, Inc.
Address: P.O. Box 352
Russell, KS 67665-0352

Comments

The Hanchett B #2 well was drilled by WW Drilling Rig #12(Tool Pusher: Calvin Pfannenstiel).

The location for the Hanchett B #2 well was found via 3-D seismic survey. Based on the results of the drill stem tests that were conducted and samples and wireline logs that were evaluated, the decision was made to run 5 1/2" production casing to further evaluate the Hanchett B #2 well on 5/3/2013.



Ls: tan-gry, fn-sub xln, mostly DNS,
 F
 Ls: tan-lt gry, fn-sub xln, mostly DNS, sl fossil
 F
 Ls: tan-gry, fn xln, poor int xln porosity, fossil, sl chalky, chert-off wh, NSFO, No odor
 C
 Ls: tan-gry, fn-sub xln, mostly DNS, sl chert-off wh
 Ls: ala
 Ls: off wh-tan, fn xln, poor int xln porosity, chalky, sl chert-off wh, NSFO, No odor
 C
 Ls: ala
 Ls: off wh-lt gry, fn-sub xln, mostly DNS, sl chalky, chert, sl fossil
 Sh, Slstst: lt gry-gry, vry fn grn
 Sh, Slstst: ala
 Sh, Slstst: lt gry-brn, vry fn grn
 Ls: tan-lt gry, fn xln, vry poor int xln porosity, chert-off wh, fossil, sl chalky
 C
 Sh: gry-brn, soft
 Ls: tan-brn, fn-sub xln, mostly DNS, sl chert-off wh
 Ls: ala
 Sh: drk gry
 Ls: off wh-tan-lt gry, fn-sub xln, mostly DNS, vry chalky, sl chert-off wh
 C
 Ls: ala
 Ls: tan-gry, fn-sub xln, mostly DNS
Heebner 3097' (-1166)
 Sh: blk, carb, fissile
 Ls: off wh-lt gry-brn, fn xln, vry poor int xln porosity, sl chert-off wh
 Ls: ala
Toronto 2127' (-1106)

Vis: 71
 Wt: 8.8

Ls: off wh-tan, fn xln, scat pp vuggy porosity, sl oil st, NSFO, vry sl odor,

Lansing 3144' (-1213)

4/30/13 @ 7:00am
Drig, 3,150'

CFS 3,150'
30"-60"

3150

3200

3250

3300

3350

3400

3450

3500

3550

3600

3650

3700

3750

3800

3850

3900

3950

4000

4050

4100

4150

4200

4250

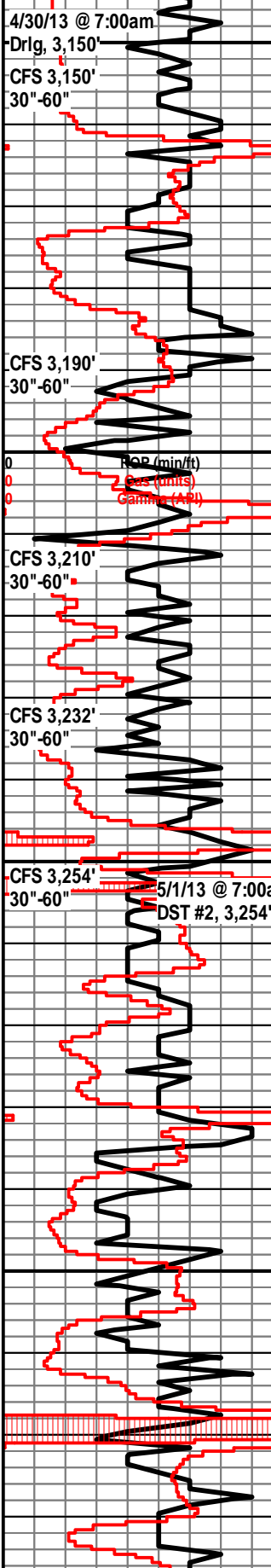
4300

4350

4400

4450

4500



Ls: off wh-tan, fn xln, scat-poor int xln porosity, vry sl dead oil st in porosity, NSFO, no odor, fossil, chert

Ls: off wh-tan, fn-sub xln, mostly DNS, chert-off wh, chalky

Sh: drk gry-brn-grn, soft

Ls: off wh-tan, fn xln, poor int xln porosity, sl oil st in porosity, VSSFO, sl odor, sl chert-off wh

Sh: drk gry-brn

Ls: off wh-tan, fn xln, poor-fair int xln porosity, sl-fair oil st, SSFO, fair odor, sl fossil

Sh: drk gry-brn

Ls: off wh-tan, fn xln, poor int xln porosity, sl oil st, VSSFO, sl odor, sl fossil, sl chert-off wh

Ls: off wh-tan, fn xln, vry poor int xln porosity, sl oil st, VSSFO, sl odor, vry chert-off wh, sl chalky

Ls: off wh-tan, fn xln, poor int xln and pp vuggy porosity, sl-fair oil st, SSFO, sl-fair odor, dull yel fluor

Sh: drk gry-brn-grn

Sh: lt-drk gry-red, vry soft

Ls: off wh-tan-lt gry, fn-sub xln, mostly DNS, sl chert-off wh, chalky

Ls: ala

Sh: drk gry-drk brn, soft

Ls: off wh-tan, fn xln, poor-fair int xln porosity, sl-fair oil st, VSSFO, fair odor, sl chalky

Sh: drk gry-brn

Ls: off wh-tan-lt gry, fn-sub xln, scat int xln porosity, NSFO, sl chert-off wh

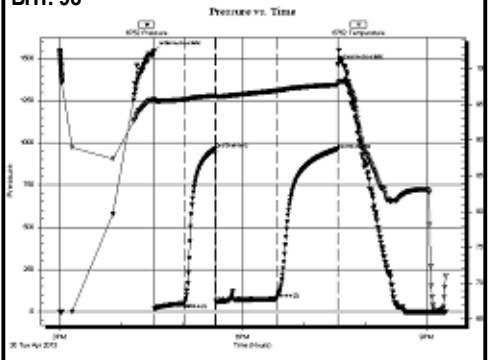
Sh: drk gry-blk, carb

Sh: drk gry-brn-grn

Ls: off wh-tan-lt gry, fn-sub xln, mostly DNS, chalky

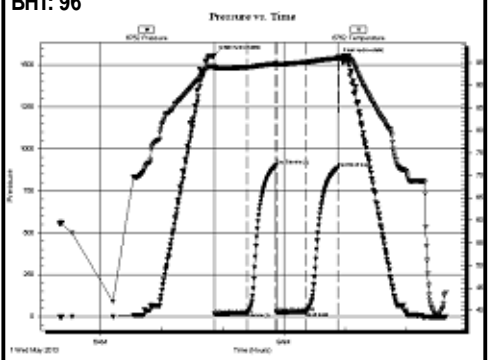
DST #1 3,163-3,210' LKC C-D
30"-30"-60"-60"

IF: weak blow built to 1"
FF: weak blow built to 1.25"
Rec: 5' CO, 146' HOCM (30% O, 70% M)
FP: 16-49, 59-74#
SIP: 964-963#
HP: 1,545-1,464#
BHT: 98



DST #2 3,208-3,254' LKC E-G
30"-30"-30"-30"

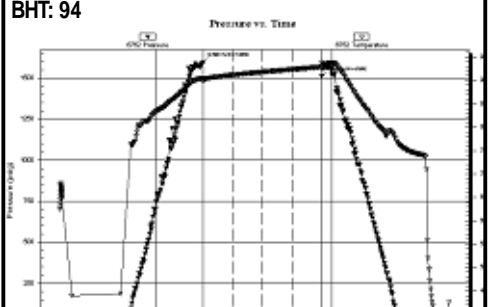
IF: no blow
FF: no blow
Rec: 3' OCM (2% O, 98% M)
FP: 14-22, 24-30#
SIP: 901-887#
HP: 1,558-1,542#
BHT: 96

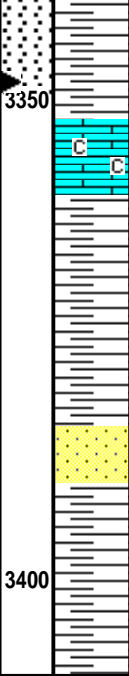
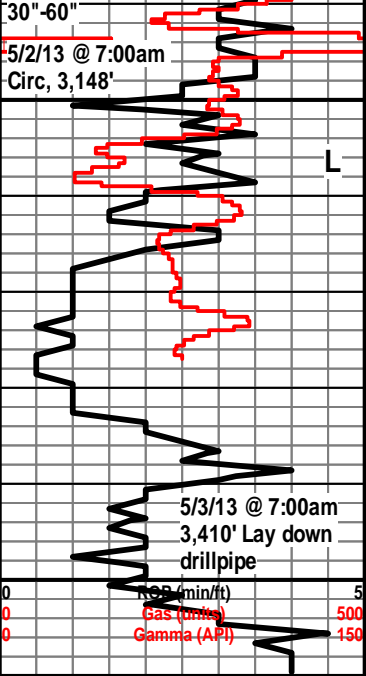


Vis: 46
Wt: 8.7
LCM: 2#

DST #3 3,248-3,348 LKC H-K
30"-30"-30"-30"

IF: Surface blow died in 28 minutes
FF: no blow
Rec: 6' M
FP: 15-16, 16-18#
SIP: 49-42#
HP: 1,595-1,509#
BHT: 94





Sh: drk gry, soft

Ls: tan-lt gry, fn-sub xln, mostly DNS, sl chert-off wh, chalky

Sh: drk gry-brn-grn
BKC 3360' (-1429)

Sh: drk gry-brn, vry soft

Sh: drk gry-brn-grn, Cong: red, fn grn

Qtz: off wh, fn grn, poorly sorted, fairly well rounded, well cemented, NSFO

Sh: lt gry-lt brn, vry soft

Sh: ala

RTD 3410' (-1479)

Vis: 44
Wt: 9.1
LCM: 1-1/2#



DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

PO Box 352
Russell, KS 67665

ATTN: Austin Klaus

Hanchett B #2

18-4s-18w Phillips,KS

Start Date: 2013.04.30 @ 15:00:00

End Date: 2013.04.30 @ 21:19:00

Job Ticket #: 53614 DST #: 1

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

Printed: 2013.05.02 @ 09:19:07



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

John O Farmer Inc

18-4s-18w Phillips,KS

PO Box 352
Russell, KS 67665

Hanchett B #2

Job Ticket: 53614

DST#: 1

ATTN: Austin Klaus

Test Start: 2013.04.30 @ 15:00:00

GENERAL INFORMATION:

Formation: **LKC " C-D "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:33:00

Time Test Ended: 21:19:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jim Svaty

Unit No: 41

Interval: 3163.00 ft (KB) To 3210.00 ft (KB) (TVD)

Reference Elevations: 1931.00 ft (KB)

Total Depth: 3210.00 ft (KB) (TVD)

1924.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

Serial #: 6752 Inside

Press @ Run Depth: 74.28 psig @ 3174.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.04.30

End Date: 2013.04.30

Last Calib.: 2013.04.30

Start Time: 15:00:01

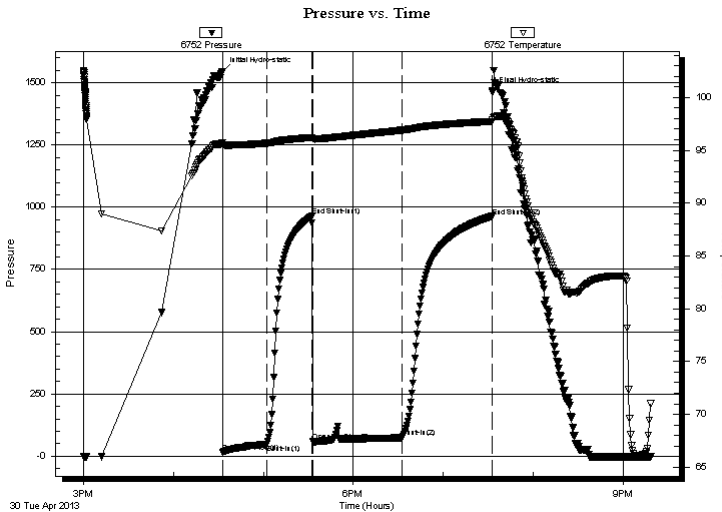
End Time: 21:18:50

Time On Btm: 2013.04.30 @ 16:32:40

Time Off Btm: 2013.04.30 @ 19:32:50

TEST COMMENT: 30-IFP- Surface Blow Building to 1" in 5 min.
30-ISIP- No Blow
60-FFP- Surface Blow in 3 min. Building to 1 1/4" in 12 min.
60-FSIP- No Blow

PRESSURE SUMMARY



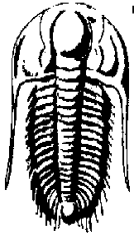
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1544.63	95.73	Initial Hydro-static
1	16.40	95.50	Open To Flow (1)
30	49.17	95.66	Shut-In(1)
60	964.05	96.21	End Shut-In(1)
61	59.19	96.07	Open To Flow (2)
120	74.28	96.90	Shut-In(2)
180	962.84	97.74	End Shut-In(2)
181	1464.42	97.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
146.00	OCM 30%o 70%m	0.95
5.00	CO 100%	0.07

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer Inc

18-4s-18w Phillips,KS

PO Box 352
Russell, KS 67665

Hanchett B #2

Job Ticket: 53614

DST#: 1

ATTN: Austin Klaus

Test Start: 2013.04.30 @ 15:00:00

GENERAL INFORMATION:

Formation: **LKC "C-D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:33:00

Time Test Ended: 21:19:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jim Svaty

Unit No: 41

Interval: 3163.00 ft (KB) To 3210.00 ft (KB) (TVD)

Reference Elevations: 1931.00 ft (KB)

Total Depth: 3210.00 ft (KB) (TVD)

1924.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

Serial #: 8322 Outside

Press @ Run Depth: psig @ 3174.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.04.30

End Date: 2013.04.30

Last Calib.: 2013.04.30

Start Time: 15:00:01

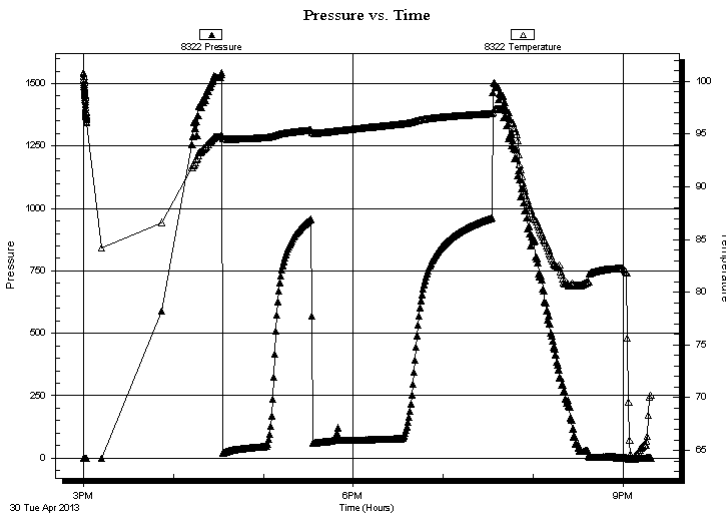
End Time: 21:18:50

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IFP- Surface Blow Building to 1" in 5 min.
30-ISIP- No Blow
60-FFP- Surface Blow in 3 min. Building to 1 1/4" in 12 min.
60-FSIP- No Blow

PRESSURE SUMMARY



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

Length (ft)	Description	Volume (bbl)
146.00	OCM 30%o 70%m	0.95
5.00	CO 100%	0.07

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

18-4s-18w Phillips,KS

PO Box 352
Russell, KS 67665

Hanchett B #2

Job Ticket: 53614

DST#: 1

ATTN: Austin Klaus

Test Start: 2013.04.30 @ 15:00:00

Tool Information

Drill Pipe:	Length: 3039.00 ft	Diameter: 3.80 inches	Volume: 42.63 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 35000.00 lb
			<u>Total Volume: 43.23 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3163.00 ft			Final 33000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	47.00 ft			
Tool Length:	67.00 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			3148.00	
Hydraulic tool	5.00			3153.00	
Packer	5.00			3158.00	20.00 Bottom Of Top Packer
Packer	5.00			3163.00	
Stubb	1.00			3164.00	
Perforations	9.00			3173.00	
Change Over Sub	1.00			3174.00	
Recorder	0.00	6752	Inside	3174.00	
Recorder	0.00	8322	Outside	3174.00	
Blank Spacing	32.00			3206.00	
Change Over Sub	1.00			3207.00	
Bullnose	3.00			3210.00	47.00 Bottom Packers & Anchor

Total Tool Length: 67.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

18-4s-18w Phillips,KS

PO Box 352
Russell, KS 67665

Hanchett B #2

Job Ticket: 53614

DST#: 1

ATTN: Austin Klaus

Test Start: 2013.04.30 @ 15:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 8.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.37 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 300.00 ppm

Filter Cake: 2.50 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
146.00	OCM 30%o 70%m	0.946
5.00	CO 100%	0.070

Total Length: 151.00 ft

Total Volume: 1.016 bbl

Num Fluid Samples: 0

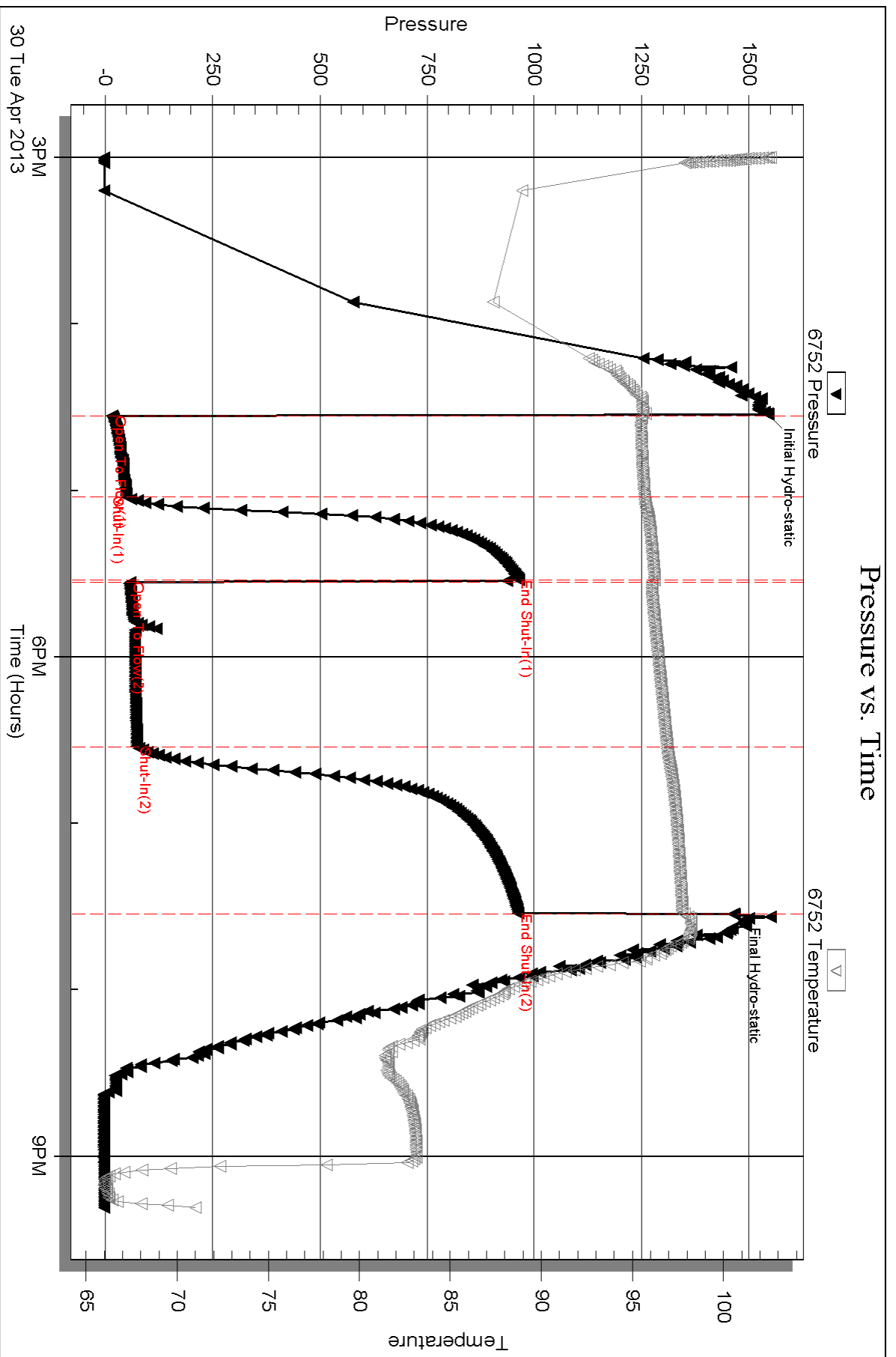
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

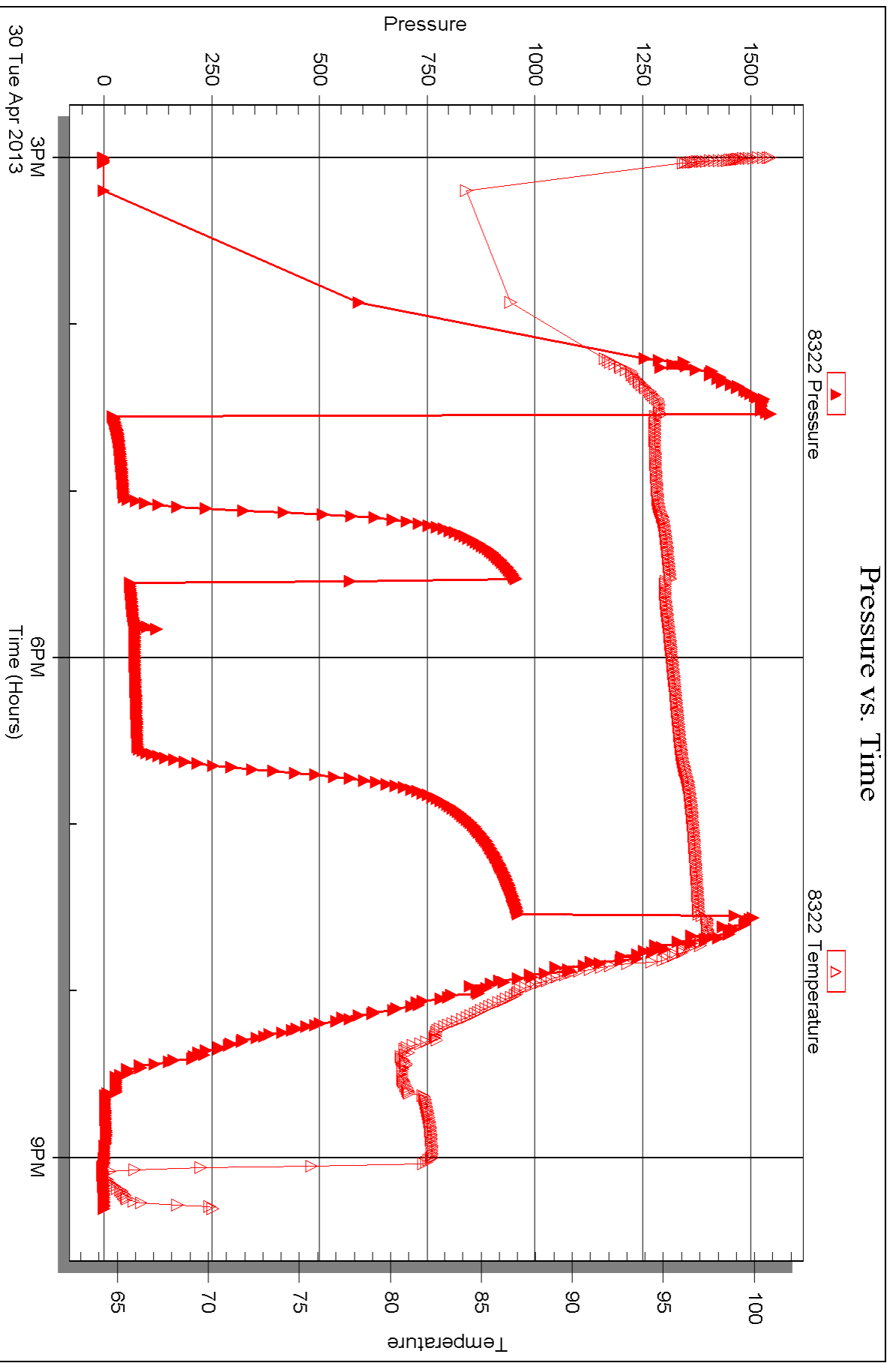


Serial #: 8322

Outside John O Farmer Inc

Hanchett B #2

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

PO Box 352
Russell, KS 67665

ATTN: Austin Klaus

Hanchett B #2

18-4s-18w Phillips,KS

Start Date: 2013.05.01 @ 05:20:00

End Date: 2013.05.01 @ 11:39:00

Job Ticket #: 53615 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.05.02 @ 09:18:07

John O Farmer Inc
18-4s-18w Phillips,KS
Hanchett B #2
DST # 2
LKC " E - G "
2013.05.01



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

John O Farmer Inc

18-4s-18w Phillips,KS

PO Box 352
Russell, KS 67665

Hanchett B #2

Job Ticket: 53615

DST#: 2

ATTN: Austin Klaus

Test Start: 2013.05.01 @ 05:20:00

GENERAL INFORMATION:

Formation: **LKC " E - G "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:51:40

Time Test Ended: 11:39:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 41

Interval: 3208.00 ft (KB) To 3254.00 ft (KB) (TVD)

Reference Elevations: 1931.00 ft (KB)

Total Depth: 3254.00 ft (KB) (TVD)

1924.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

Serial #: 6752

Inside

Press @ Run Depth: 30.42 psig @ 3219.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.01

End Date:

2013.05.01

Last Calib.: 2013.05.01

Start Time: 05:20:01

End Time:

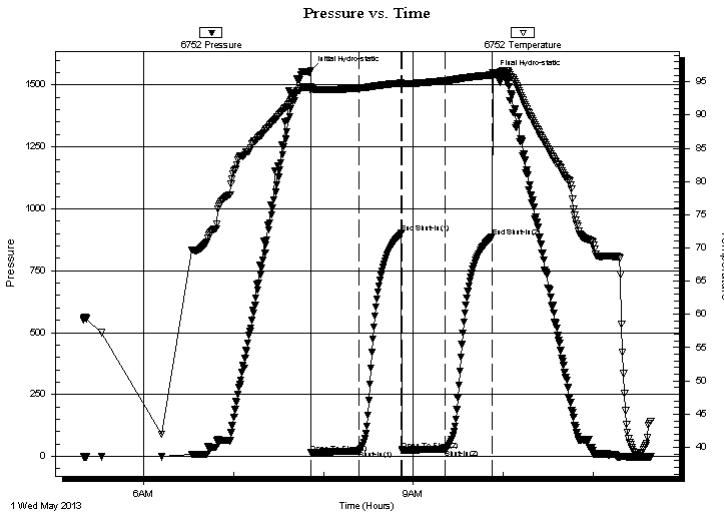
11:38:50

Time On Btm: 2013.05.01 @ 07:51:30

Time Off Btm: 2013.05.01 @ 09:53:00

TEST COMMENT: 30-IFP- No Blow
30-ISIP- No Blow
30-FFP- No Blow
30-FSIP- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1558.73	94.21	Initial Hydro-static
1	14.38	93.65	Open To Flow (1)
33	22.90	94.06	Shut-In(1)
61	901.56	94.82	End Shut-In(1)
61	24.16	94.70	Open To Flow (2)
90	30.42	95.18	Shut-In(2)
122	887.26	96.03	End Shut-In(2)
122	1542.88	96.43	Final Hydro-static

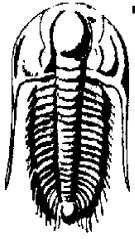
Recovery

Length (ft)	Description	Volume (bbl)
3.00	OCM 2%o 98%m	0.01

Gas Rates

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

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer Inc

18-4s-18w Phillips,KS

PO Box 352
Russell, KS 67665

Hanchett B #2

Job Ticket: 53615

DST#: 2

ATTN: Austin Klaus

Test Start: 2013.05.01 @ 05:20:00

GENERAL INFORMATION:

Formation: **LKC " E - G "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:51:40

Time Test Ended: 11:39:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 41

Interval: 3208.00 ft (KB) To 3254.00 ft (KB) (TVD)

Reference Elevations: 1931.00 ft (KB)

Total Depth: 3254.00 ft (KB) (TVD)

1924.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

Serial #: 8322 Outside

Press @ RunDepth: psig @ 3219.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.01

End Date:

2013.05.01

Last Calib.:

2013.05.01

Start Time: 05:20:01

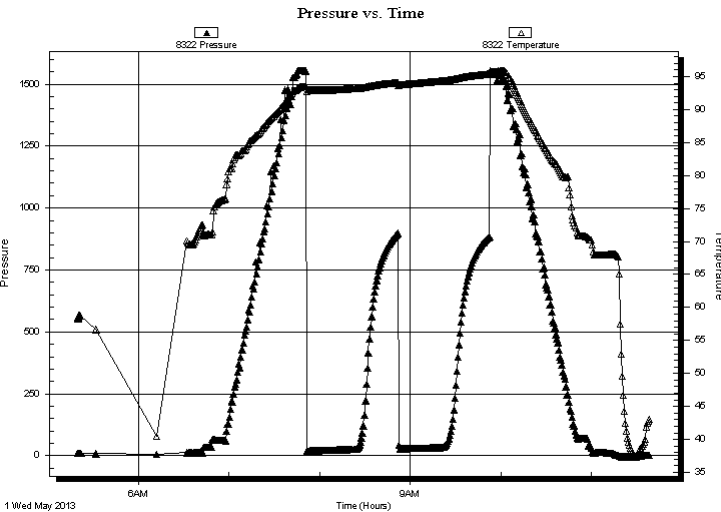
End Time:

11:38:50

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IFP- No Blow
30-ISIP- No Blow
30-FFP- No Blow
30-FSIP- No Blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
3.00	OCM 2%o 98%m	0.01

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

18-4s-18w Phillips,KS

PO Box 352
Russell, KS 67665

Hanchett B #2

Job Ticket: 53615

DST#: 2

ATTN: Austin Klaus

Test Start: 2013.05.01 @ 05:20:00

Tool Information

Drill Pipe:	Length: 3101.00 ft	Diameter: 3.80 inches	Volume: 43.50 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 37000.00 lb
			<u>Total Volume: 44.10 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3208.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	46.00 ft			
Tool Length:	66.00 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			3193.00	
Hydraulic tool	5.00			3198.00	
Packer	5.00			3203.00	20.00 Bottom Of Top Packer
Packer	5.00			3208.00	
Stubb	1.00			3209.00	
Perforations	9.00			3218.00	
Change Over Sub	1.00			3219.00	
Recorder	0.00	6752	Inside	3219.00	
Recorder	0.00	8322	Outside	3219.00	
Blank Spacing	31.00			3250.00	
Change Over Sub	1.00			3251.00	
Bullnose	3.00			3254.00	46.00 Bottom Packers & Anchor

Total Tool Length: 66.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

18-4s-18w Phillips,KS

PO Box 352
Russell, KS 67665

Hanchett B #2

Job Ticket: 53615

DST#: 2

ATTN: Austin Klaus

Test Start: 2013.05.01 @ 05:20:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 8.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.37 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 300.00 ppm

Filter Cake: 2.50 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	OCM 2%o 98%m	0.015

Total Length: 3.00 ft Total Volume: 0.015 bbl

Num Fluid Samples: 0

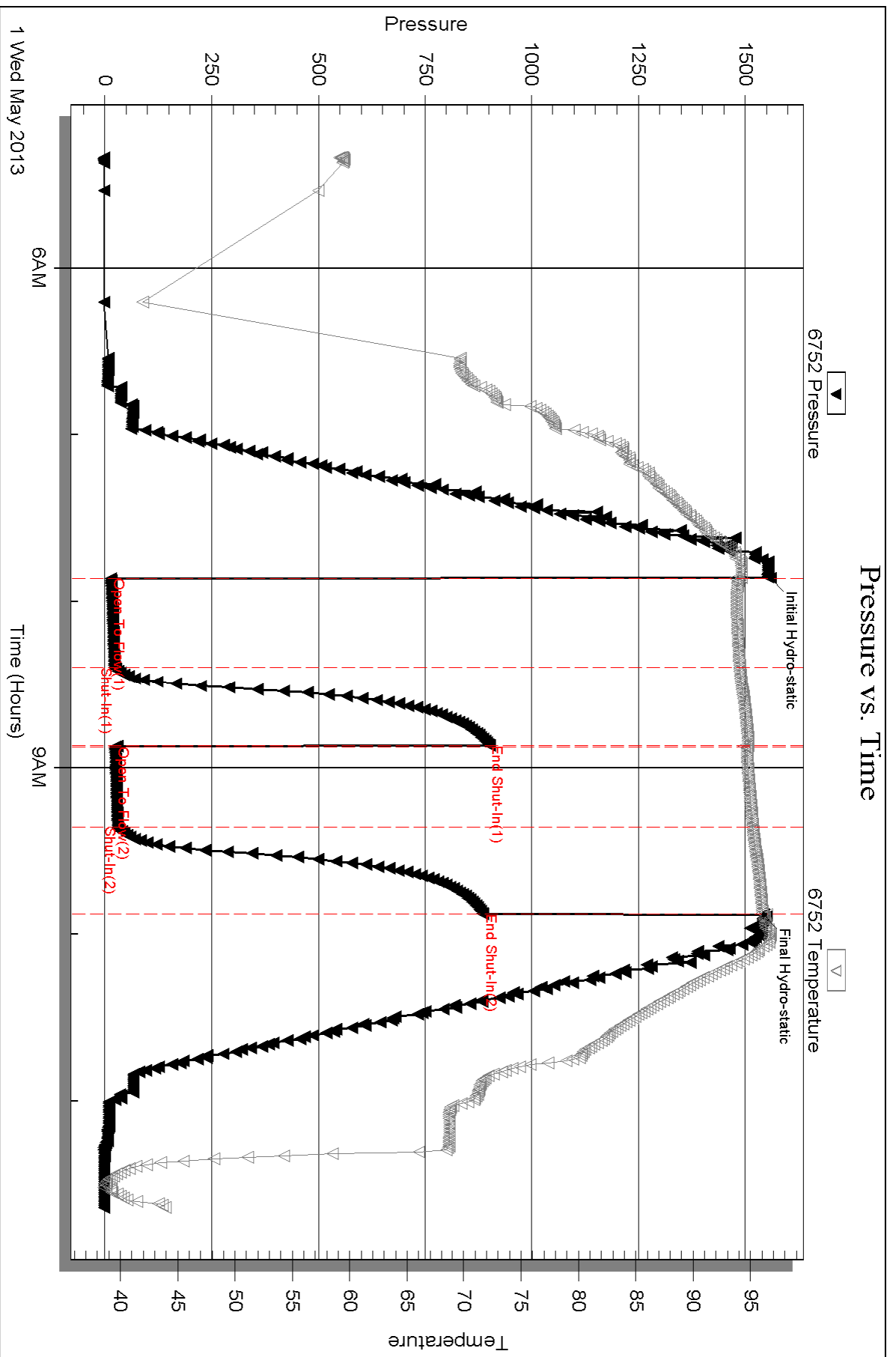
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

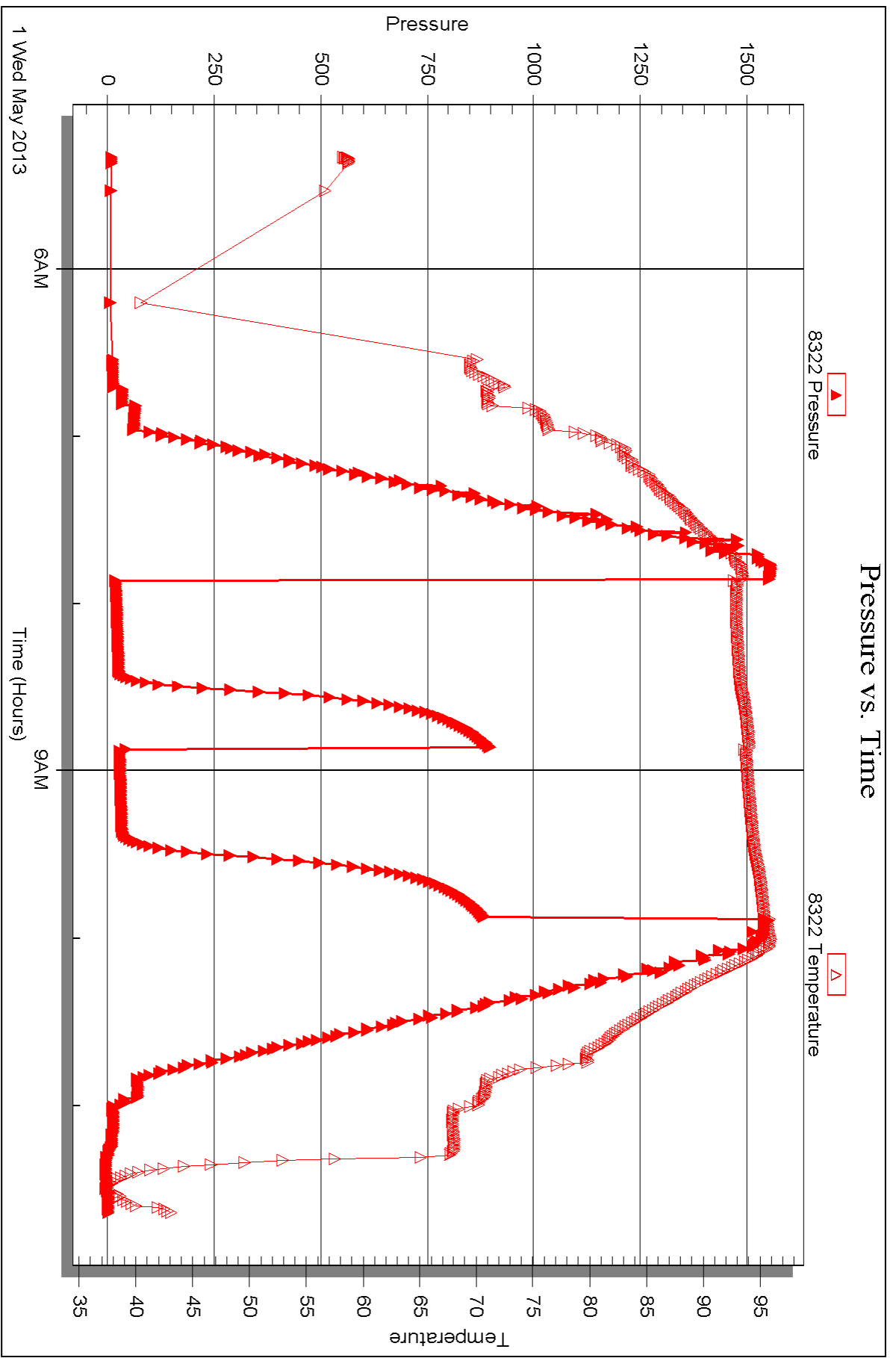


Serial #: 8322

Outside John O Farmer Inc

Hanchett B#2

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

PO Box 352
Russell, KS 67665

ATTN: Austin Klaus

Hanchett B #2

18-4s-18w Phillips,KS

Start Date: 2013.05.01 @ 22:22:00

End Date: 2013.05.02 @ 05:01:00

Job Ticket #: 53616 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.05.02 @ 09:16:11



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer Inc

18-4s-18w Phillips,KS

PO Box 352
Russell, KS 67665

Hanchett B #2

ATTN: Austin Klaus

Job Ticket: 53616

DST#: 3

Test Start: 2013.05.01 @ 22:22:00

GENERAL INFORMATION:

Formation: **LKC " H - K "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:48:40

Time Test Ended: 05:01:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 41

Interval: 3248.00 ft (KB) To 3348.00 ft (KB) (TVD)

Reference Elevations: 1931.00 ft (KB)

Total Depth: 3348.00 ft (KB) (TVD)

1924.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

Serial #: 6752 Inside

Press @ RunDepth: 17.94 psig @ 3254.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.01

End Date:

2013.05.02

Last Calib.: 2013.05.02

Start Time: 22:22:01

End Time:

05:00:40

Time On Btm: 2013.05.02 @ 00:48:30

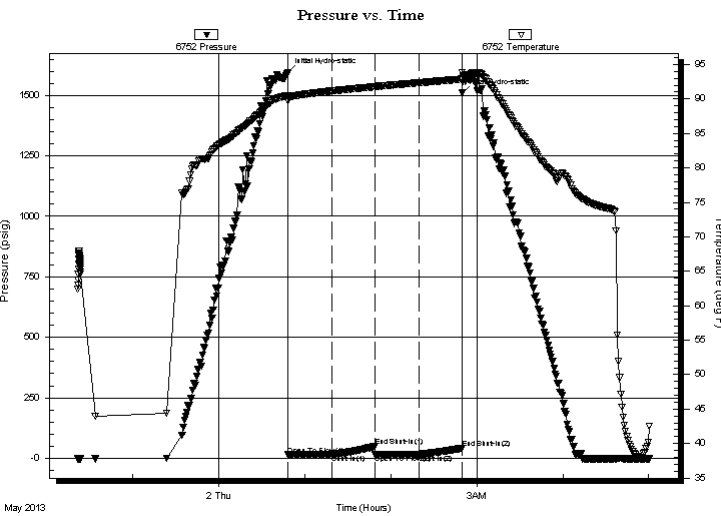
Time Off Btm: 2013.05.02 @ 02:49:50

TEST COMMENT: 30-IFP- Surface Blow Died in 28 min.

30-ISIP- No Blow

30-FFP- No Blow

30-FSIP- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1594.94	90.49	Initial Hydro-static
1	14.85	89.80	Open To Flow (1)
31	16.28	91.15	Shut-In(1)
61	49.45	91.78	End Shut-In(1)
61	16.28	91.78	Open To Flow (2)
91	17.94	92.35	Shut-In(2)
122	41.88	92.86	End Shut-In(2)
122	1508.89	93.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
6.00	Mud 100%	0.03

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

John O Farmer Inc

18-4s-18w Phillips,KS

PO Box 352
Russell, KS 67665

Hanchett B #2

Job Ticket: 53616

DST#: 3

ATTN: Austin Klaus

Test Start: 2013.05.01 @ 22:22:00

GENERAL INFORMATION:

Formation: **LKC " H - K "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:48:40

Time Test Ended: 05:01:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 41

Interval: 3248.00 ft (KB) To 3348.00 ft (KB) (TVD)

Reference Elevations: 1931.00 ft (KB)

Total Depth: 3348.00 ft (KB) (TVD)

1924.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

Serial #: 8322 Outside

Press @ Run Depth: psig @ 3254.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.01

End Date:

2013.05.02

Last Calib.:

2013.05.02

Start Time: 22:22:01

End Time:

05:00:50

Time On Btm:

Time Off Btm:

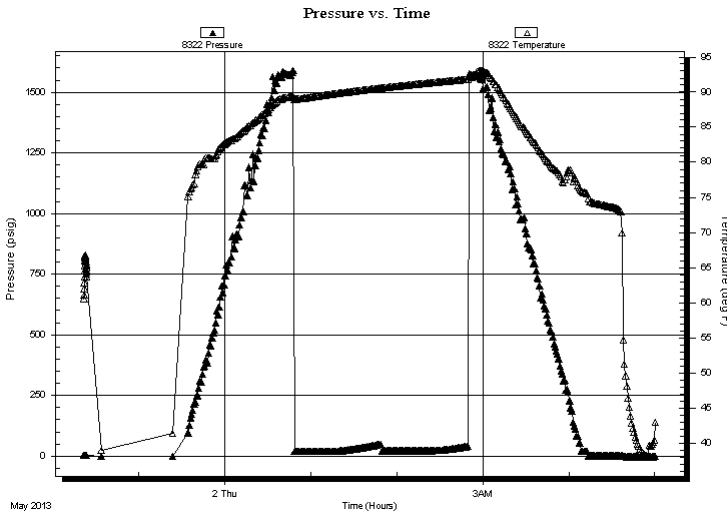
TEST COMMENT: 30-IFP- Surface Blow Died in 28 min.

30-ISIP- No Blow

30-FFP- No Blow

30-FSIP- No Blow

PRESSURE SUMMARY



Time
(Min.)

Pressure
(psig)

Temp
(deg F)

Annotation

Recovery

Length (ft)	Description	Volume (bbl)
6.00	Mud 100%	0.03

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

18-4s-18w Phillips,KS

PO Box 352
Russell, KS 67665

Hanchett B #2

Job Ticket: 53616

DST#: 3

ATTN: Austin Klaus

Test Start: 2013.05.01 @ 22:22:00

Tool Information

Drill Pipe:	Length: 3136.00 ft	Diameter: 3.80 inches	Volume: 43.99 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 42000.00 lb
			<u>Total Volume: 44.59 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 39000.00 lb
Depth to Top Packer:	3248.00 ft			Final 39000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	100.00 ft			
Tool Length:	120.00 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			3233.00	
Hydraulic tool	5.00			3238.00	
Packer	5.00			3243.00	20.00 Bottom Of Top Packer
Packer	5.00			3248.00	
Stubb	1.00			3249.00	
Perforations	4.00			3253.00	
Change Over Sub	1.00			3254.00	
Recorder	0.00	6752	Inside	3254.00	
Recorder	0.00	8322	Outside	3254.00	
Blank Spacing	90.00			3344.00	
Change Over Sub	1.00			3345.00	
Bullnose	3.00			3348.00	100.00 Bottom Packers & Anchor

Total Tool Length: 120.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

18-4s-18w Phillips,KS

PO Box 352
Russell, KS 67665

Hanchett B #2

Job Ticket: 53616

DST#: 3

ATTN: Austin Klaus

Test Start: 2013.05.01 @ 22:22:00

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: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
6.00	Mud 100%	0.030

Total Length: 6.00 ft Total Volume: 0.030 bbl

Num Fluid Samples: 0

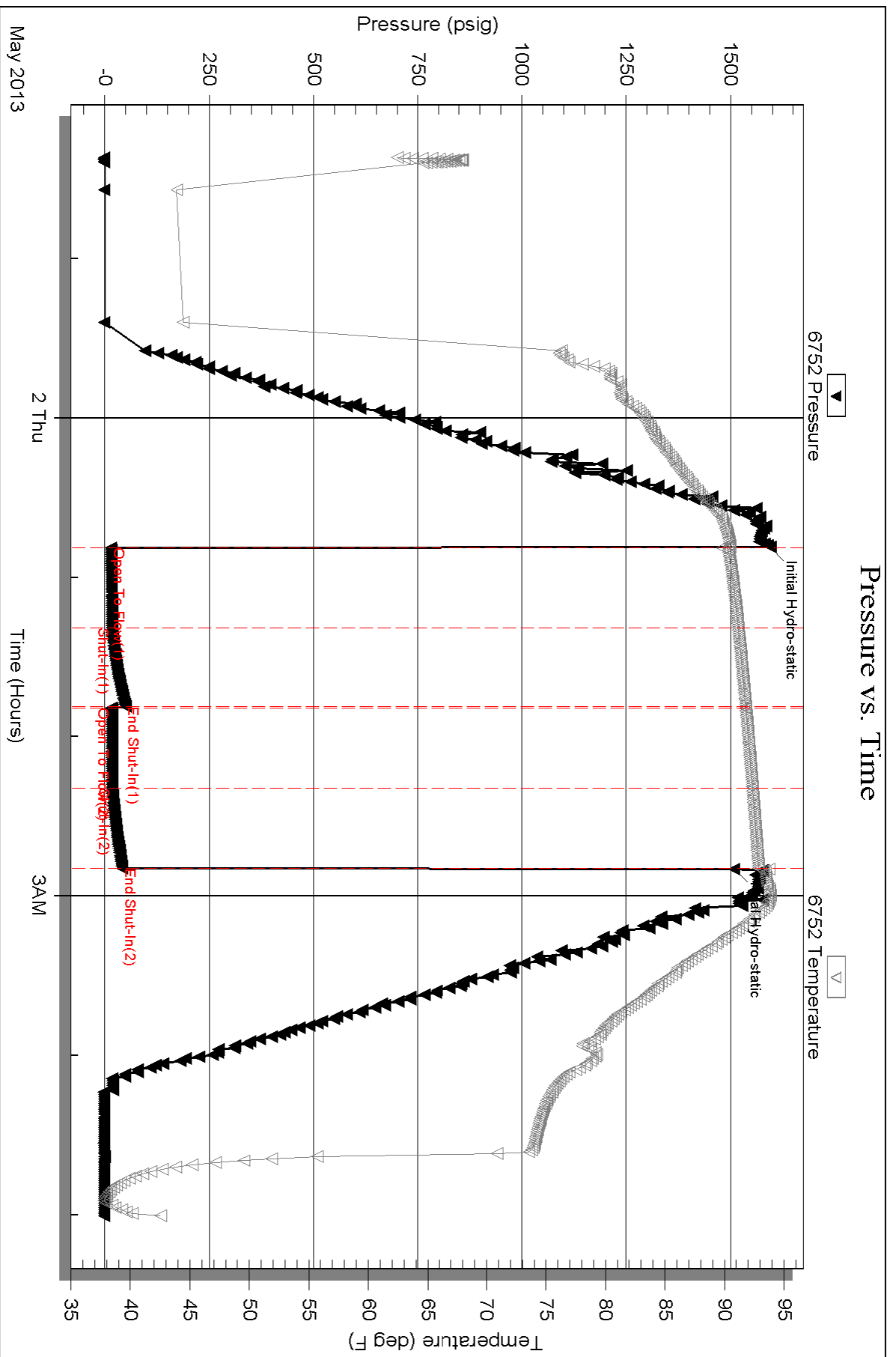
Num Gas Bombs: 0

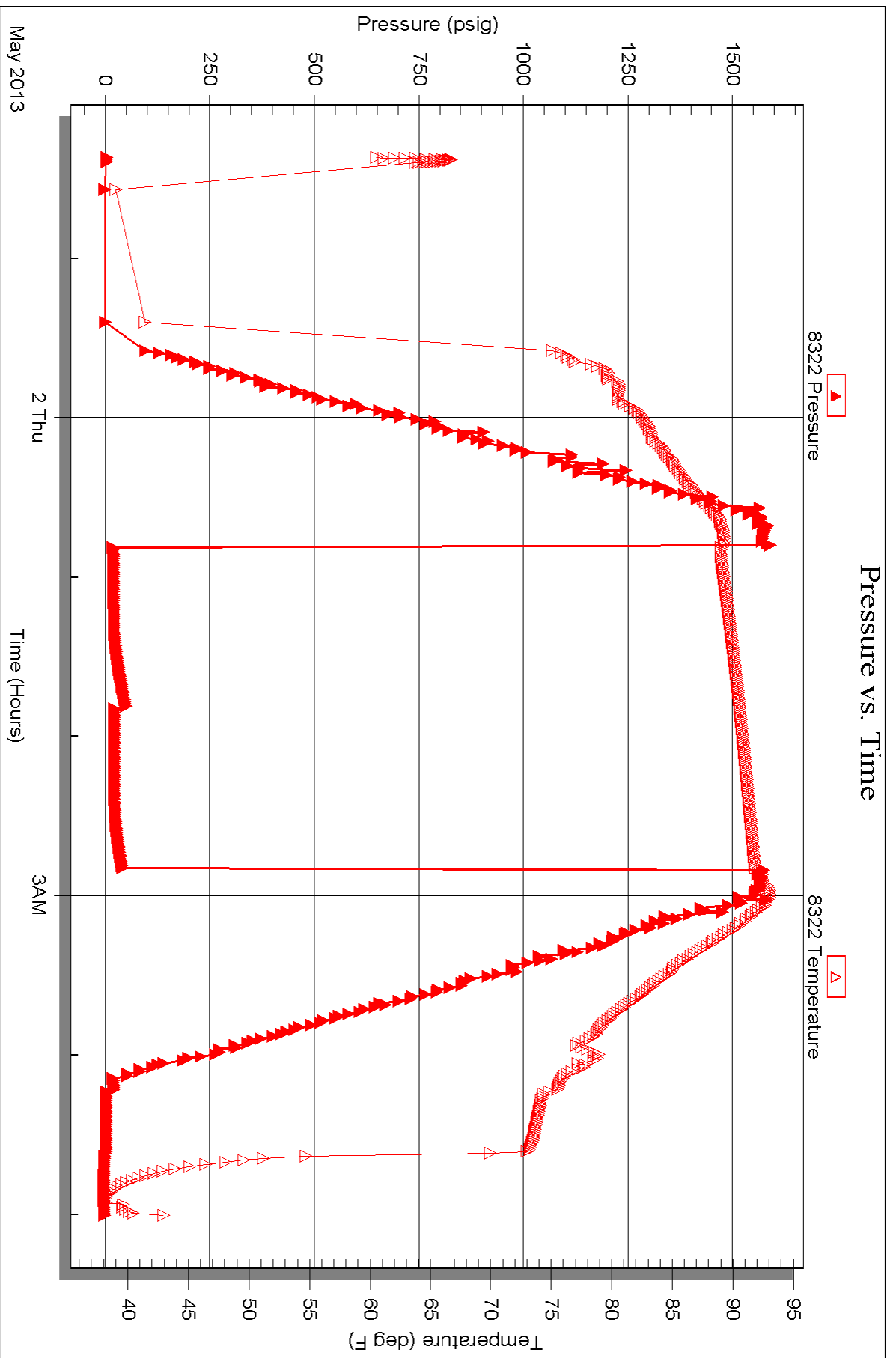
Serial #:

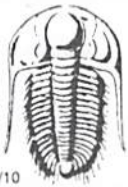
Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53614

Well Name & No. Hanchett B #2 Test No. 1 Date 4-30-13
 Company John O. Farmer Inc. Elevation 1931 KB 1924 GL
 Address 370 W. Wichita Ave Box 352 Russell KS. 67665-2635
 Co. Rep / Geo. Austin Klaus Rig WW #12
 Location: Sec. 18 Twp. 4^s Rge. 18^w Co. Phillips State KS

Interval Tested 3163-3210 Zone Tested LKC "C-D"
 Anchor Length 47 Drill Pipe Run ~~3163~~ 3039 Mud Wt. 8
 Top Packer Depth 3158 Drill Collars Run 121 Vis 55
 Bottom Packer Depth 3163 Wt. Pipe Run 0 WL 6.4
 Total Depth 3210 Chlorides 300 ppm System LCM 2.5

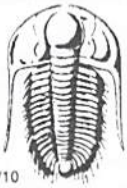
Blow Description IFP - Surface Blow Building to 1 in. in 5min
ISIP - No Blow
FFP - Surface Blow in 3min. Building to 1 1/4 in. in 12min
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>146</u>	<u>OCM</u>	<u>30</u>		<u>70</u>	
<u>5</u>	<u>CO</u>	<u>100</u>			

Rec Total 151 BHT 97 Gravity 35 API RW _____ @ _____ ° F Chlorides _____ ppm
 (A) Initial Hydrostatic 1544 Test 1150 T-On Location 14:00
 (B) First Initial Flow 16 Jars _____ T-Started 15:00
 (C) First Final Flow 49 Safety Joint _____ T-Open 16:33
 (D) Initial Shut-In 964 Circ Sub _____ T-Pulled 19:33
 (E) Second Initial Flow 59 Hourly Standby _____ T-Out 21:19
 (F) Second Final Flow 74 Mileage 126 RT 195.30 Comments _____
 (G) Final Shut-In 962 Sampler _____
 (H) Final Hydrostatic 1464 Straddle _____

Initial Open 30 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 30 Shale Packer _____ Ruined Packer _____
 Final Flow 60 Extra Packer _____ Extra Copies _____
 Final Shut-In 60 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1345.30
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1345.30

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. 53615

Well Name & No. HANCHETT B # 2 Test No. # 2 Date 5-1-13
 Company John O. Farmer Inc. Elevation 1931 KB 1924 GL
 Address 370 W. WICHITA Ave Box 352 Russell Ks 67665-2635
 Co. Rep / Geo. Austin Klaus Rig WW#12
 Location: Sec. 18 Twp. 4^s Rge. 18 Co. Phillips State Ks.

Interval Tested 3208-3254 Zone Tested LKC "E-2"
 Anchor Length 46 Drill Pipe Run 3101 Mud Wt. 8
 Top Packer Depth 3203 Drill Collars Run 121 Vis 55
 Bottom Packer Depth 3208 Wt. Pipe Run 0 WL 6.4
 Total Depth 3254 Chlorides 300 ppm System LCM 2.5

Blow Description IFP- No Blow
ISIP- No Blow
FFP- No Blow
FSIP- No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>3</u>	<u>OCM</u>	<u>2</u>		<u>98</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

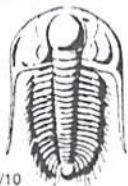
Rec Total 3 BHT 96 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 1558 Test 1150 T-On Location 4:40
 (B) First Initial Flow 14 Jars _____ T-Started 5:20
 (C) First Final Flow 22 Safety Joint _____ T-Open 7:52
 (D) Initial Shut-In 901 Circ Sub _____ T-Pulled 9:52
 (E) Second Initial Flow 24 Hourly Standby _____ T-Out 11:39
 (F) Second Final Flow 30 Mileage 126 RT 195.30 Comments _____
 (G) Final Shut-In 887 Sampler _____
 (H) Final Hydrostatic 1542 Straddle _____ Ruined Shale Packer _____

Initial Open 30 Shale Packer _____ Ruined Packer _____
 Initial Shut-In 30 Extra Packer _____ Extra Copies _____
 Final Flow 30 Extra Recorder _____ Sub Total 0
 Final Shut-In 30 Day Standby _____ Total 1345.30
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1345.30

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. 53616

4/10

Well Name & No. Hanchett B #2 Test No. 3 Date 5-1-13
 Company John O. Farmer Inc. Elevation 1931 KB 1924 GL
 Address 370 W. Wichita Ave Box 352 Russell Ks. 67665-2635
 Co. Rep / Geo. Austin Klaus Rig WW #12
 Location: Sec. 18 Twp. 4^s Rge. 18^w Co. Phillips State Ks

Interval Tested 3248-3348 Zone Tested LKC "H-K"
 Anchor Length 100 Drill Pipe Run 3136 Mud Wt. 8.7
 Top Packer Depth 3243 Drill Collars Run 121 Vis 46
 Bottom Packer Depth 3248 Wt. Pipe Run 0 WL 8.0
 Total Depth 3348 Chlorides 500 ppm System LCM 2

Blow Description IFP - Surface Blow Died in 28min
ISIP - No Blow
FFP - No Blow
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>6</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 6 BHT 93 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 1594 Test 1150 T-On Location 20:47
 (B) First Initial Flow 14 Jars _____ T-Started 22:22
 (C) First Final Flow 16 Safety Joint _____ T-Open 00:49
 (D) Initial Shut-In 49 Circ Sub _____ T-Pulled 02:49
 (E) Second Initial Flow 16 Hourly Standby _____ T-Out 05:01
 (F) Second Final Flow 17 Mileage 126 RT 195.30 Comments _____
 (G) Final Shut-In 41 Sampler _____
 (H) Final Hydrostatic 1508 Straddle _____ Ruined Shale Packer _____

Initial Open 30 Shale Packer _____ Ruined Packer _____
 Initial Shut-In 30 Extra Packer _____ Extra Copies _____
 Final Flow 30 Extra Recorder _____ Sub Total 0
 Final Shut-In 30 Day Standby _____ Total 1345.30
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1345.30

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.

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 6620

Date	4-27-13	Sec.	18	Twp.	4	Range	18	County	Phillips	State	Ks	On Location		Finish	5:30PM
Lease	Hanchett B		Well No.	2		Owner	Speed, Ks - 2E to 300 Rd, 1 1/2 N								
Contractor	W-WH 12		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.												
Type Job	Surface		Charge To J.O. Farmer												
Hole Size	12 1/4"		T.D.	223'		Street									
Csg.	8 5/8"		Depth	223'		City State									
Tbg. Size			Depth	The above was done to satisfaction and supervision of owner agent or contractor.											
Tool			Depth	Cement Amount Ordered 150 sx Common 3% U											
Cement Left in Csg.	15'		Shoe Joint	15'		Meas Line Displace 13 1/4 BLS 2% Gel									
EQUIPMENT															
Pumptrk	15	No.	Cementer	Nick		Common 150									
			Helper	Poz. Mix											
Bulktrk	13	No.	Driver	Billy		Gel. 3									
			Driver	Calcium 5											
Bulktrk	p.u.	No.	Driver	Rick		Hulls									
			Driver	Salt											
JOB SERVICES & REMARKS															
Remarks:	Cement did Circulate														
Rat Hole	Flowseal														
Mouse Hole	Kol-Seal														
Centralizers	Mud CLR 48														
Baskets	CFL-117 or CD110 CAF 38														
D/V or Port Collar	Sand														
	Handling 158														
	Mileage														
Hanchett B-2															
FLOAT EQUIPMENT															
	Guide Shoe														
	Centralizer														
	Baskets														
	AFU Inserts														
	Float Shoe														
	Latch Down														
	Pumptrk Charge Surface														
	Mileage 53														
	Tax														
	Discount														
	Total Charge														
X Signature															

JOB LOG

SWIFT Services, Inc.

DATE **5-2-13** PAGE NO. **1**

CUSTOMER **John O. Farmer** WELL NO. **B # 2** LEASE **Hanchett** JOB TYPE **Longstring** TICKET NO. **23989**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2040							on loc w/FE
								RTD 3410' LTD 3410' 5 1/2" x 14" x 3910 x 23'
								Cent. 1, 3, 5, 7, 9, 45
								Back, 6, 46
								P.G. 46 @
	2200							start FE
	2355							Break Circ
	0030							Driveline came off P.T.
	0125	2.5	7					Plug RH 30sks EA-2 CMT
	0130	5	0			150		start Mud Flush 50 gal
		5	12/0			150		start 20 bbl KCL Flush
		5	20/0			150		<u>start EA-2 Cement 120sks</u>
	0142		29					End Cement
								wash PTL
								Drop L.D. Plug
	0146	6	0			150		start Displacement KCL in 1st Tank
	0155	5	56			200		catch Cement
	0200		82.5			700 / 1400		Land Plug
								Release Pressure
								Float Held
<p>Thank you</p> <p>Nick, David E. & Rob</p>								

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 6843

Date	9-15-13	Sec.	18	Twp.	4	Range	18	County	Phillips	State	KS	On Location	8:30AM	Finish	10:30AM
------	---------	------	----	------	---	-------	----	--------	----------	-------	----	-------------	--------	--------	---------

Lease Hanchett B Location Spaul 2 E 1/2 N Winto

Well No. 2 Owner To Quality Oilwell Cementing, Inc.

Contractor Chetos You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Type Job port collar Charge To JO Farmer Inc

Hole Size _____ T.D. _____ Street _____

Csg. 5 1/2 Depth _____ City _____ State _____

Tbg. Size 2 1/2 Depth _____

Tool _____ Depth _____ The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. _____ Shoe Joint _____ Cement Amount Ordered 300 Qmdc 1/4 flow

Meas Line _____ Displace (used 205)

EQUIPMENT Common _____

Pumptrk 9 No. 1 Cementer Matt Helper _____ Poz. Mix _____

Bulktrk 13 No. 1 Driver Opdy Driver _____ Gel. 8 Bags on side

Bulktrk pu No. 1 Driver Chad Driver _____ Calcium _____

JOB SERVICES & REMARKS Hulls _____

Remarks: Hanchett #2 Salt _____

Rat Hole _____ Flowseal 75#

Mouse Hole _____ Kol-Seal 75

Centralizers _____ Mud CLR 48 _____

Baskets _____ CFL-117 or CD110 CAF 38 _____

D/V or Port Collar 1485 Sand _____

testal tool to 1000 Handling 308

Open port mix 4 Mileage _____

Bags of gel mix **FLOAT EQUIPMENT**

205 SWS displacer Guide Shoe _____

7 BBL Washed Centralizer _____

Clean Baskets _____

AFU Inserts _____

Float Shoe _____

Latch Down _____

Pumptrk Charge port collar

Mileage 53

Signature Dennis Eshman

Tax _____

Discount _____

Total Charge _____

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

RECEIVED MAY 30 2013 6856

Date	Sec.	Twp.	Range	County	State	On Location	Finish
5-24-13	18	4	18	Phillips	KS		2:00 AM

Location *Speed 2 E to 300 Rd 1 1/2 N on west side*

Lease <i>Hanchett</i>	Well No. <i>B#2</i>	Owner
Contractor <i>Chito's</i>		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Type Job <i>Squeeze A zone f Toronto</i>		Charge To <i>John O Farmer</i>
Hole Size	T.D.	
Csg. <i>5 1/2</i>	Depth	Street
Tbg. Size <i>2 7/8</i>	Depth	City State
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg.	Shoe Joint	Cement Amount Ordered <i>100 sx com</i>
Meas Line	Displace	

EQUIPMENT

Common *50 sks. used*

Pumptrk <i>9</i>	No.	Cementer Helper <i>Cody</i>	Poz. Mix
Bulktrk <i>1</i>	No.	Driver <i>Heath</i>	Gel.
Bulktrk <i>PU</i>	No.	Driver <i>Travis</i>	Calcium

JOB SERVICES & REMARKS

Remarks:	Salt
Rat Hole	Flowseal
Mouse Hole	Kol-Seal
Centralizers	Mud CLR 48
Baskets	CFL-117 or CD110 CAF 38
D/V or Port Collar	Sand

Ran pipe in to 3148 circulated oil out of hole with 75 bbl sw, tested tools to 2,000 psi, pulled up to 2940 set packer put 500 psi on back side safe in, took rate 4 bbl in at 1,000 psi. Mixed 50 sx com displaced 18 bbl shut in washed up. Squeezed to 1,000 psi, washed around packer shut in with 500 psi

Handling <i>100</i>
Mileage

FLOAT EQUIPMENT

Guide Shoe
Centralizer
Baskets
AFU Inserts
Float Shoe
Latch Down

Pumptrk Charge <i>Squeeze</i>
Mileage <i>53</i>

Tax
Discount
Total Charge

X Signature *Dennis C. [unclear]*