



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1270534  
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: \_\_\_\_\_



1270534

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

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

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

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

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

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

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

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

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

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

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

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Emmons, Alfred E. dba Kal Oil Operations
Well Name	Callaway 3
Doc ID	1270534

Tops

Name	Top	Datum
Anhydrite	904'	+1047
Topeka	2851'	-900
Plattsmouth	3000'	-1049
Heebner	3084'	-1133
Douglas	3114'	-1163
Lansing	3169'	-1218
BKC	3378'	-1427
Arbuckle	3394'	-1444



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Kal Oil Operations

**19-16s-13w Barton, KS**

102 W. 7th  
Russell KS 67665

**Callaway #3**

Job Ticket: 61998

**DST#: 1**

ATTN: Jason T Alm

Test Start: 2015.06.06 @ 15:55:00

## GENERAL INFORMATION:

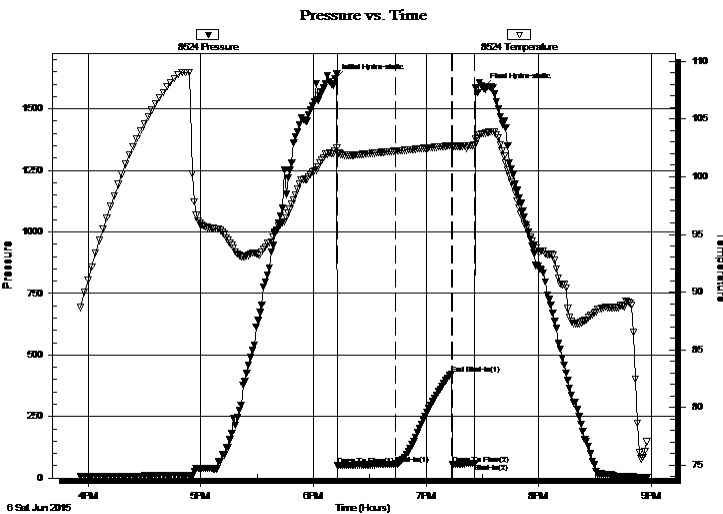
Formation: **LKC "H-K"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 18:13:00  
 Time Test Ended: 20:58:00  
 Interval: **3297.00 ft (KB) To 3365.00 ft (KB) (TVD)**  
 Total Depth: 3365.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Shane Konzem  
 Unit No: 56  
 Reference Elevations: 1951.00 ft (KB)  
 1943.00 ft (CF)  
 KB to GR/CF: 8.00 ft

## Serial #: 8524

Inside

Press @ Run Depth: 55.44 psig @ 3361.10 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2015.06.06 End Date: 2015.06.06 Last Calib.: 2015.06.06  
 Start Time: 15:56:00 End Time: 20:58:00 Time On Btm: 2015.06.06 @ 18:11:30  
 Time Off Btm: 2015.06.06 @ 19:30:30

TEST COMMENT: IFP 30 Minutes. Weak blow built to 3/4"  
 ISI 30 Minutes. No blow back.  
 FFP 15 Minutes. No blow, flushed tool had good flush bubbles and gained no blow. Pulled test per Geo.  
 FSI N/A



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1623.04	102.23	Initial Hydro-static
2	51.62	102.07	Open To Flow (1)
32	55.44	102.21	Shut-In(1)
62	422.28	102.68	End Shut-In(1)
63	57.03	102.60	Open To Flow (2)
75	60.00	102.73	Shut-In(2)
79	1584.13	103.76	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	100% mud.	0.07

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Kal Oil Operations

**19-16s-13w Barton, KS**

102 W. 7th  
Russell KS 67665

**Callaway #3**

Job Ticket: 61998

**DST#: 1**

ATTN: Jason T Alm

Test Start: 2015.06.06 @ 15:55:00

## GENERAL INFORMATION:

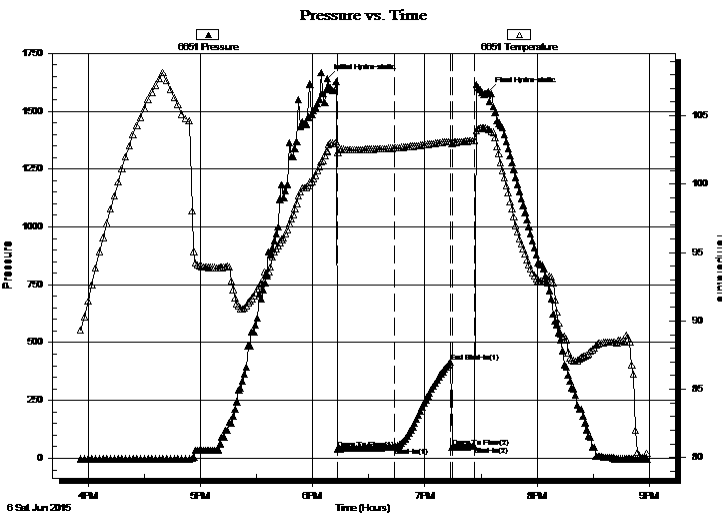
Formation: **LKC "H-K"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 18:13:00  
 Time Test Ended: 20:58:00  
 Interval: **3297.00 ft (KB) To 3365.00 ft (KB) (TVD)**  
 Total Depth: 3365.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Shane Konzem  
 Unit No: 56  
 Reference Elevations: 1951.00 ft (KB)  
 1943.00 ft (CF)  
 KB to GR/CF: 8.00 ft

## Serial #: 6651

**Outside**

Press @ Run Depth: 414.42 psig @ 3362.10 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2015.06.06 End Date: 2015.06.06 Last Calib.: 2015.06.06  
 Start Time: 15:56:00 End Time: 20:58:30 Time On Btm: 2015.06.06 @ 18:08:00  
 Time Off Btm: 2015.06.06 @ 19:34:00

**TEST COMMENT:** IFP 30 Minutes. Weak blow built to 3/4"  
 ISI 30 Minutes. No blow back.  
 FFP 15 Minutes. No blow, flushed tool had good flush bubbles and gained no blow. Pulled test per Geo.  
 FSI N/A



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1640.84	102.43	Initial Hydro-static
6	40.69	102.30	Open To Flow (1)
36	46.74	102.64	Shut-In(1)
66	414.42	103.14	End Shut-In(1)
67	46.71	102.94	Open To Flow (2)
79	50.74	103.21	Shut-In(2)
86	1583.73	104.01	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	100% mud.	0.07

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Kal Oil Operations

**19-16s-13w Barton,KS**

102 W. 7th  
Russell KS 67665

**Callaway #3**

Job Ticket: 61998

**DST#: 1**

ATTN: Jason T Alm

Test Start: 2015.06.06 @ 15:55:00

## 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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.17 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	100% mud.	0.074

Total Length: 15.00 ft      Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8524

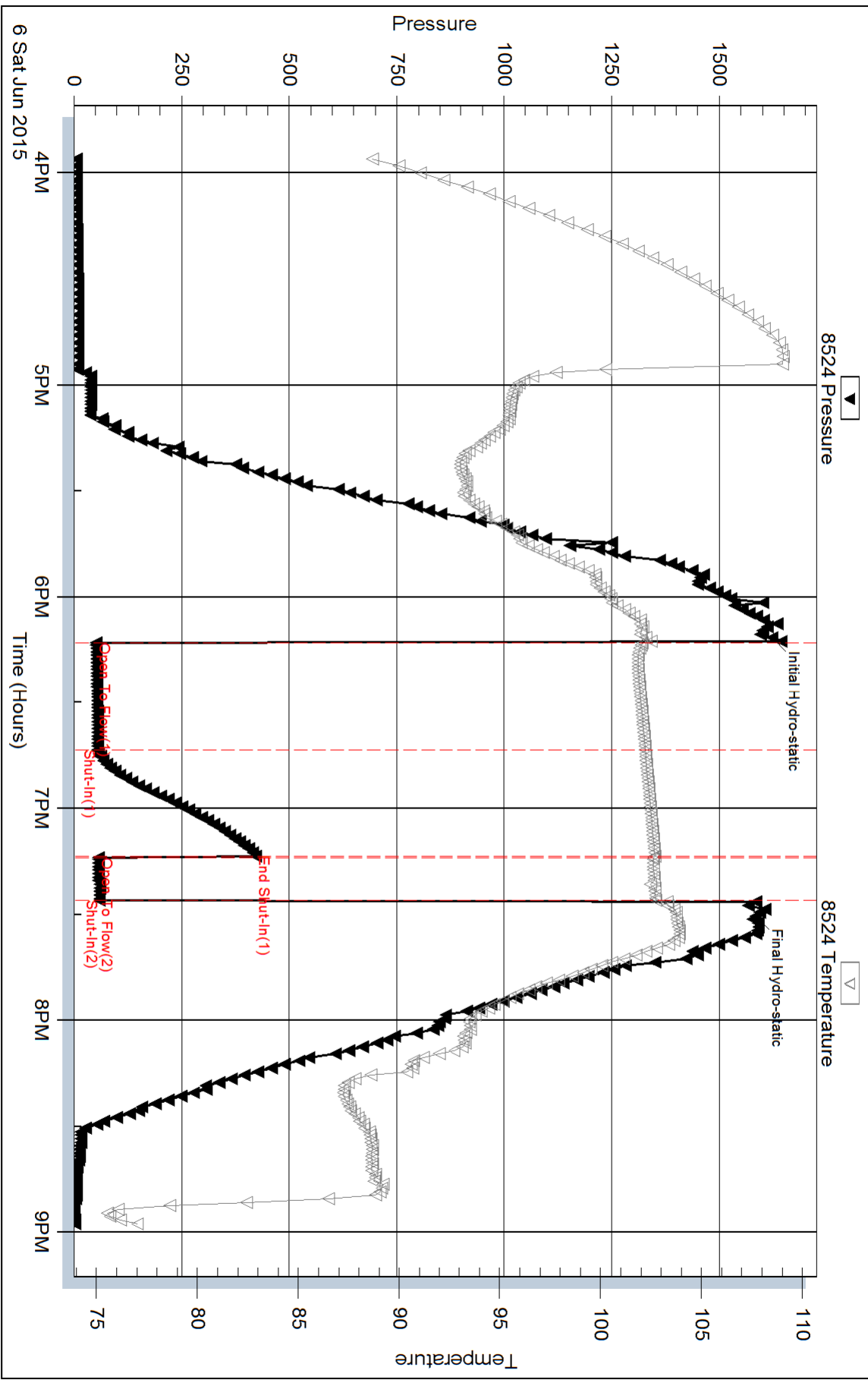
Inside

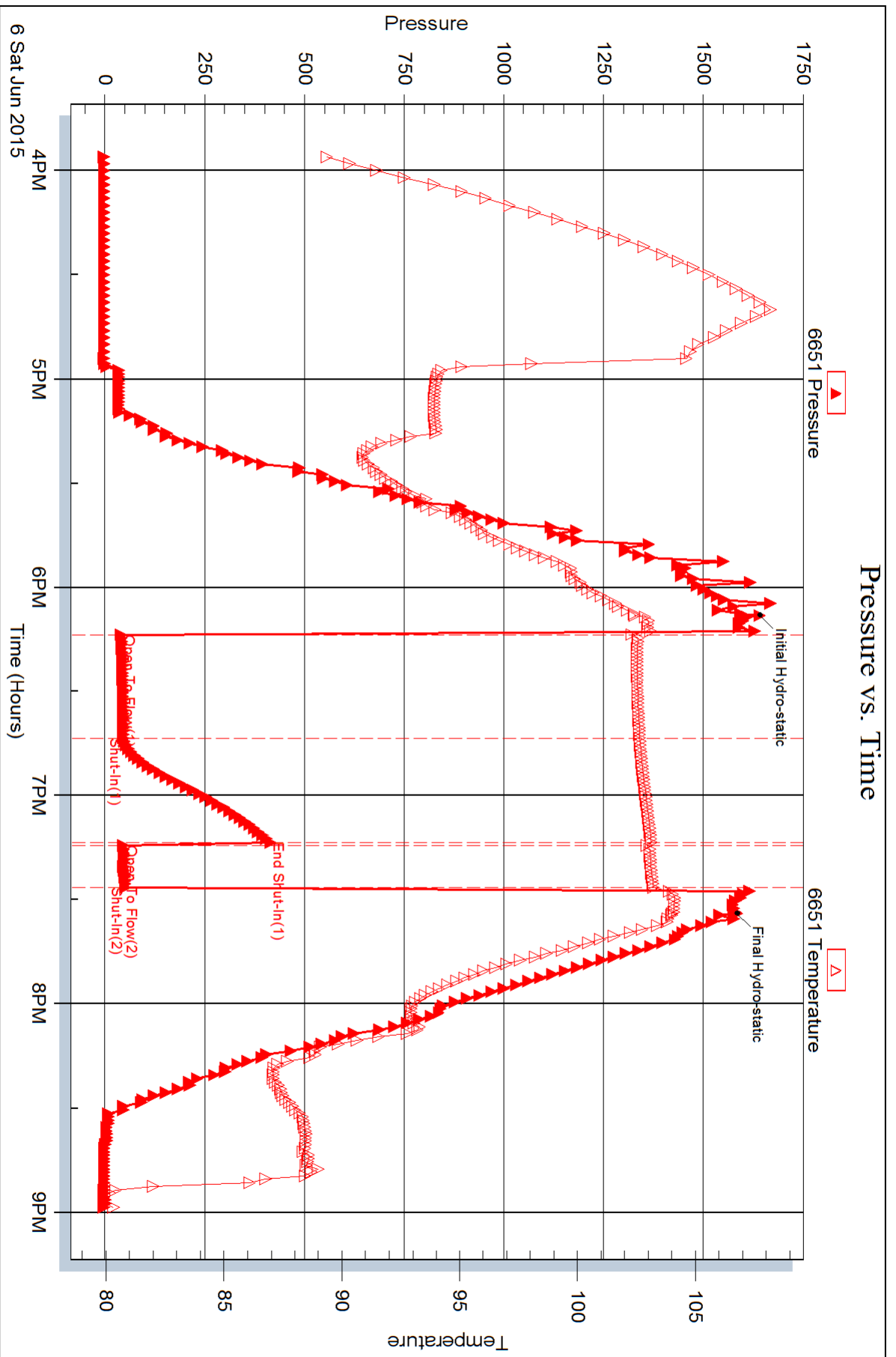
Kal Oil Operations

Callaway #3

DST Test Number: 1

### Pressure vs. Time









**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Kal Oil Operations

**19-16s-13w Barton, KS**

102 W. 7th  
Russell KS 67665

**Callaway #3**

Job Ticket: 61999

**DST#: 2**

ATTN: Jason T Alm

Test Start: 2015.06.07 @ 04:22:00

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:11:30

Time Test Ended: 08:56:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane Konzem

Unit No: 56

**Interval: 3375.00 ft (KB) To 3403.00 ft (KB) (TVD)**

Reference Elevations: 1951.00 ft (KB)

Total Depth: 3403.00 ft (KB) (TVD)

1943.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8524 Inside**

Press @ Run Depth: 30.67 psig @ 3399.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.06.07

End Date: 2015.06.07

Last Calib.: 2015.06.07

Start Time: 04:23:00

End Time: 08:56:30

Time On Btm: 2015.06.07 @ 06:06:30

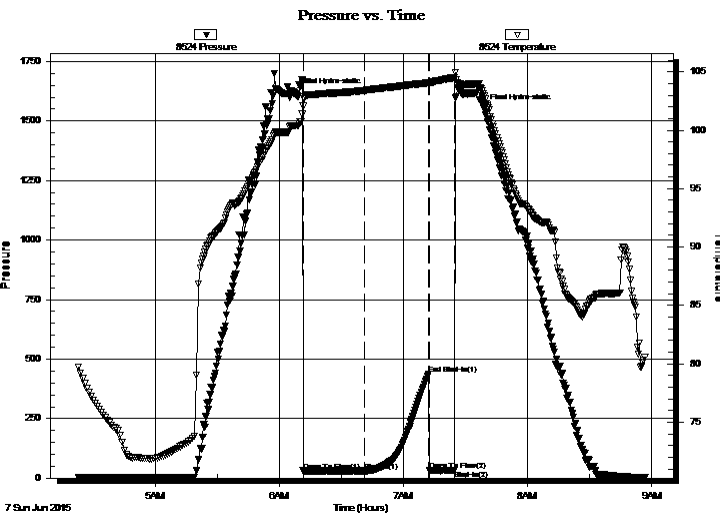
Time Off Btm: 2015.06.07 @ 07:38:30

**TEST COMMENT:** IFP 30 Minutes. Weak blow built to 1/2 inch into water.

ISI 30 Minutes. No blow back.

FFP 10 Minutes. No blow, flushed tool, had good flush bubbles and gained no blow.

FSI N/A



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1620.74	100.37	Initial Hydro-static
5	30.55	102.06	Open To Flow (1)
35	30.67	103.40	Shut-In(1)
66	436.77	104.07	End Shut-In(1)
66	32.66	103.98	Open To Flow (2)
78	31.86	104.49	Shut-In(2)
92	1553.31	103.16	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	100% clean oil	0.00
9.00	Oil cut mud 10% oil, 90% mud	0.04

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Kal Oil Operations

**19-16s-13w Barton, KS**

102 W. 7th  
Russell KS 67665

**Callaway #3**

Job Ticket: 61999

**DST#: 2**

ATTN: Jason T Alm

Test Start: 2015.06.07 @ 04:22:00

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:11:30

Time Test Ended: 08:56:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane Konzem

Unit No: 56

**Interval: 3375.00 ft (KB) To 3403.00 ft (KB) (TVD)**

Reference Elevations: 1951.00 ft (KB)

Total Depth: 3403.00 ft (KB) (TVD)

1943.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 6651 Outside**

Press @ Run Depth: 23.10 psig @ 3400.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.06.07

End Date: 2015.06.07

Last Calib.: 2015.06.07

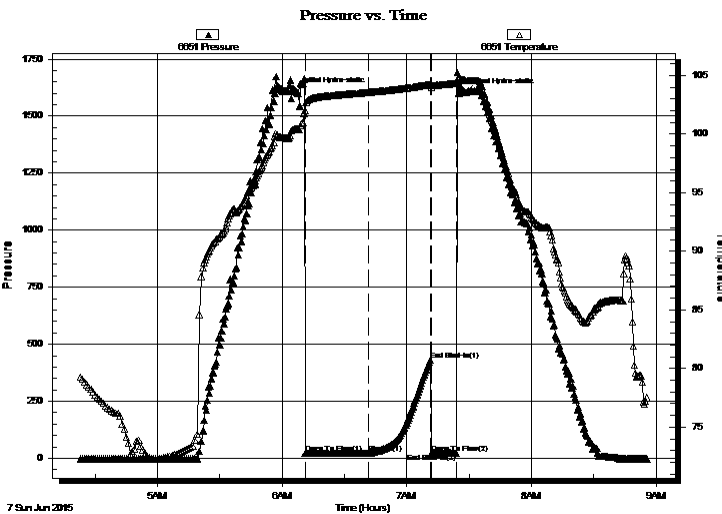
Start Time: 04:23:00

End Time: 08:55:30

Time On Btm: 2015.06.07 @ 06:07:00

Time Off Btm: 2015.06.07 @ 07:28:30

**TEST COMMENT:** IFP 30 Minutes. Weak blow built to 1/2 inch into water.  
ISI 30 Minutes. No blow back.  
FFP 10 Minutes. No blow, flushed tool, had good flush bubbles and gained no blow.  
FSI N/A



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1605.30	100.42	Initial Hydro-static
4	21.27	102.00	Open To Flow (1)
35	22.18	103.57	Shut-In(1)
65	431.43	104.25	End Shut-In(1)
65	23.46	104.03	Open To Flow (2)
77	23.10	104.35	End Shut-In(2)
82	1602.16	104.59	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	100% clean oil	0.00
9.00	Oil cut mud 10% oil, 90% mud	0.04

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Kal Oil Operations

**19-16s-13w Barton,KS**

102 W. 7th  
Russell KS 67665

**Callaway #3**

Job Ticket: 61999

**DST#: 2**

ATTN: Jason T Alm

Test Start: 2015.06.07 @ 04:22:00

## 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: 49.00 sec/qt

Cushion Volume: bbl

Water Loss: 9.17 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 4000.00 ppm

Filter Cake: 0.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	100% clean oil	0.005
9.00	Oil cut mud 10% oil, 90% mud	0.044

Total Length: 10.00 ft      Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

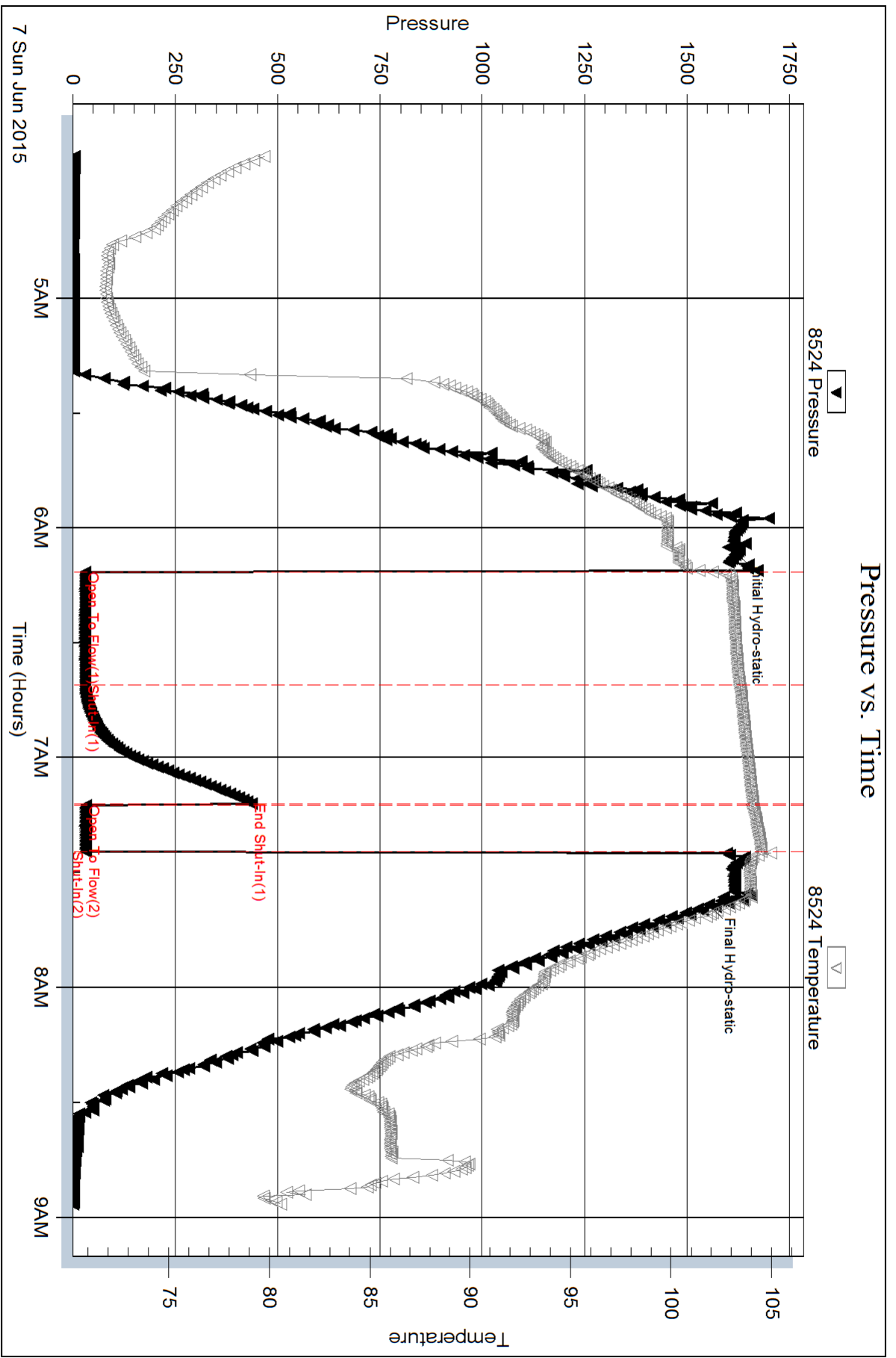
Serial #: 8524

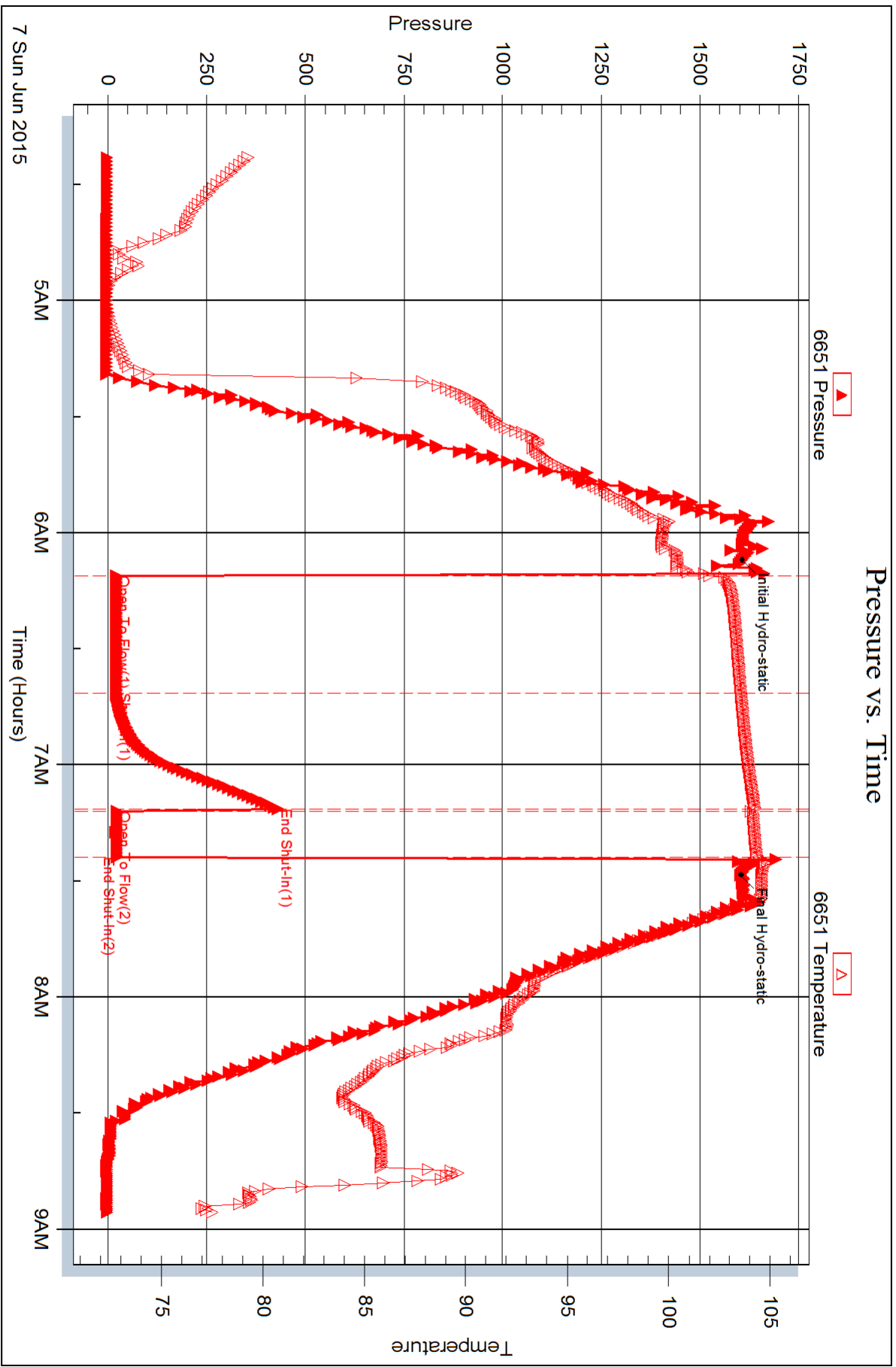
Inside

Kal Oil Operations

Callaway #3

DST Test Number: 2







# 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. 1822

Date	6-8-15	Sec.	19	Twp.	16	Range	13	County	Barton	State	Ks	On Location		Finish	6:00 AM
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Lease Callaway Well No. 3 Location 281 + Galatia Bktop - 2E to 2old, 1/2 N Owner F/Info

Contractor Discovery 2 Type Job Long string 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.

Hole Size 7 7/8" T.D. 3622' Charge To Kal Oil

Csg. New 5 1/2" 1550# Depth 3467' Street

Tbg. Size Depth City State

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

Cement Left in Csg. 44' Shoe Joint 44' Cement Amount Ordered 280 QMDC 1/4# Fls seal

Meas Line Displace 81 1/2 BLS 500 gal mud Clear 48 Common 280

**EQUIPMENT** Poz. Mix

Pumptrk 5 No. Cementer Lonnie Driver Billy Gel.

Bulktrk 9 No. Driver Rick Calcium

**JOB SERVICES & REMARKS** Hulls

Remarks: Salt

Rat Hole Flowseal 70#

Mouse Hole Kol-Seal

Centralizers 1 2 3 40 41 Mud CLR 48 500 gal

Baskets 2 41 CFL-117 or CD110 CAP 38

D/V or Port Collar pipe on bottom, break Sand

Circulation shut down set triplex shoe Handling 280

w/ 150 psi. Pump 500 gal mud Clear 48 plug Rathole w/ 30sx Mileage

plug mouse hole w/ 15 1/2 sx. Hook to casing + mix 235 QMDC 1/4# **FLOAT EQUIPMENT**

shut down wash pump + lines Guide Shoe triplex shoe

Released plug + Displace w/ 8 1/2 BLS. Released + held. Centralizer 5

Displaced @ 48 bpm Baskets 2

Lift pressure 1200 # AFU Inserts

Float Shoe

Latch Down 1

Land plug to 11700 # Pumptrk Charge prod string Mileage 19

X Signature [Signature]

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

No. 1818

Date	6-3-15	Sec.	19	Twp.	16	Range	13	County	Barton	State	Ks	On Location		Finish	11:15 AM
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Location **281 + Galatia Blktop, 2E, 1/8N**

Lease	Callaway	Well No.	3	Owner	E/S
Contractor	Discovery		2	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	Kal oil
Hole Size	12 1/4"	T.D.	916'	Street	
Csg.	8 5/8"	Depth	916'	City	
Tbg. Size		Depth		State	
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.	22.50'	Shoe Joint	22.50'	Cement Amount Ordered	400 80/20 3% CC 2% Gel
Meas Line		Displace	57 BLS		

**EQUIPMENT**

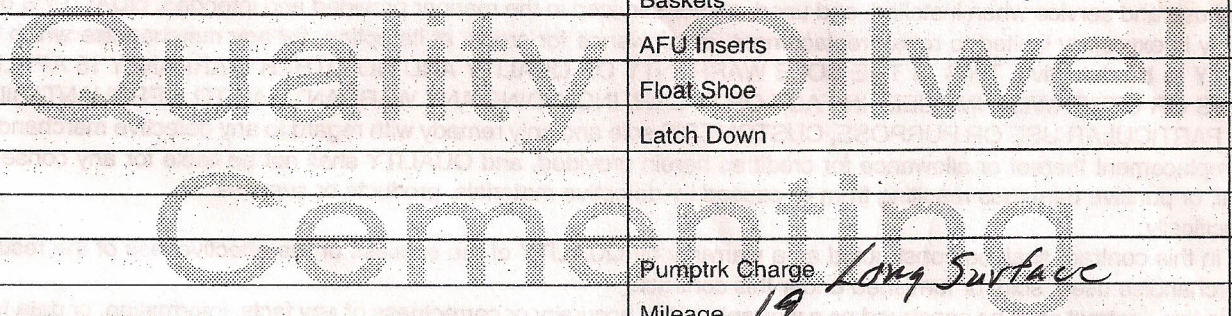
Pumptrk	5	No.		Cementer	David	Common	320
				Helper		Poz. Mix	80
Bulktrk	21	No.		Driver	Dougy	Gel.	8
				Driver		Calcium	14
Bulktrk	pu	No.		Driver	Rick		

**JOB SERVICES & REMARKS**

Remarks:	Cement did Circulate	Hulls	
Rat Hole		Salt	
Mouse Hole		Flowseal	
Centralizers		Kol-Seal	
Baskets		Mud CLR 48	
D/V or Port Collar		CFL-117 or CD110 CAF 38	
		Sand	
		Handling	422
		Mileage	

**FLOAT EQUIPMENT**

Guide Shoe	Baffle plate
Centralizer	Rubber plug
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	



Pumptrk Charge	Long Surface
Mileage	19

X Signature	<i>[Signature]</i>	Tax	
		Discount	
		Total Charge	