

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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 Geologist Report / Mud Logs <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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	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> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Dixon Operating Company, LLC
Well Name	BYER 1-3
Doc ID	1363984

All Electric Logs Run

DIL
MEL
POR
SON

Form	ACO1 - Well Completion
Operator	Dixon Operating Company, LLC
Well Name	BYER 1-3
Doc ID	1363984

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
1		shot	3590-3604
1		shot	3620-3650



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dixon Operating Company LLC

3/23S/12W/Stafford

8100 E 22nd Street North
 Building 300 Suite 200
 Wichita, Kansas 67226
 ATTN: Chuck Shmaltz

Byer 1-3

Job Ticket: 64795

DST#: 1

Test Start: 2017.06.28 @ 12:22:00

GENERAL INFORMATION:

Formation: **Lansing/Kansas City**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:57:30

Time Test Ended: 16:30:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72 Great Bend/ 60

Interval: 3444.00 ft (KB) To 3560.00 ft (KB) (TVD)

Reference Elevations: 1839.00 ft (KB)

Total Depth: 3560.00 ft (KB) (TVD)

1831.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8354 Inside

Press@RunDepth: psig @ 3445.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.06.28 End Date: 2017.06.28

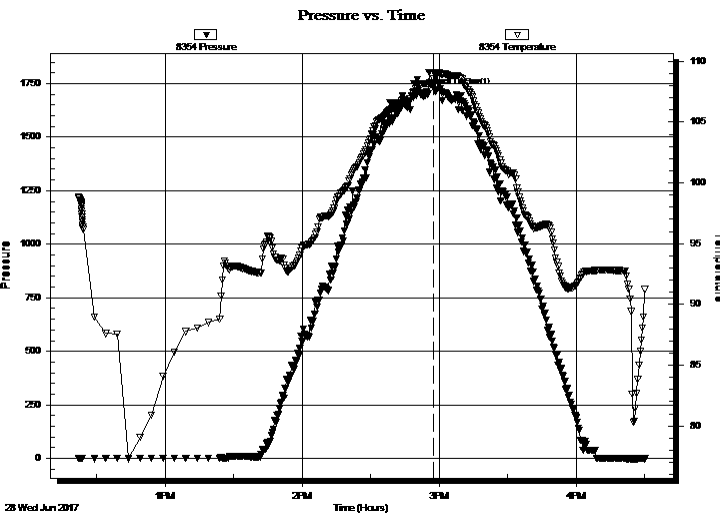
Last Calib.: 2017.06.28

Start Time: 12:22:05 End Time: 16:30:00

Time On Btm:

Time Off Btm:

TEST COMMENT: Packer failure/ Pull test



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1738.93	108.60	Open To Flow (1)

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Mud 100%	1.68

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dixon Operating Company LLC

3/23S/12W/Stafford

8100 E 22nd Street North
 Building 300 Suite 200
 Wichita, Kansas 67226
 ATTN: Chuck Shmaltz

Byer 1-3

Job Ticket: 64796

DST#: 2

Test Start: 2017.06.28 @ 16:47:00

GENERAL INFORMATION:

Formation: **Lansing/Kansas City**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:04:30

Time Test Ended: 23:37:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72 Great Bend/ 60

Interval: 3430.00 ft (KB) To 3560.00 ft (KB) (TVD)

Reference Elevations: 1839.00 ft (KB)

Total Depth: 3560.00 ft (KB) (TVD)

1831.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8354

Inside

Press@RunDepth: 35.90 psig @ 3431.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.06.28

End Date:

2017.06.28

Last Calib.:

2017.06.28

Start Time: 16:47:05

End Time:

23:37:29

Time On Btm:

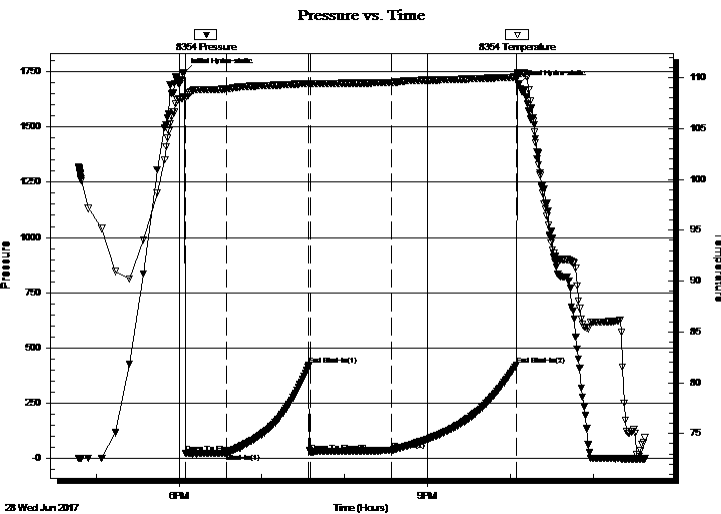
2017.06.28 @ 18:03:30

Time Off Btm:

2017.06.28 @ 22:06:00

TEST COMMENT:

- I.F. 30 Minutes/ Blow built to 5 inches
- I.S.I. 60 Minutes/ No blow back
- F.F. 30 Minutes/ Blow built to 5" in 2 min. 6" in 12 min. then slowly died to 3 1/2 inch
- F.S.I. 30 Mintues/ No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1746.45	108.15	Initial Hydro-static
1	22.22	108.00	Open To Flow (1)
31	23.98	108.90	Shut-In(1)
91	419.97	109.44	End Shut-In(1)
92	26.72	109.44	Open To Flow (2)
150	35.90	109.53	Shut-In(2)
241	420.45	110.06	End Shut-In(2)
243	1691.03	110.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Oil cut	0.84
0.00	120 feet of gas in pipe	0.00

Gas Rates

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



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DRILL STEM TEST REPORT

Dixon Operating Company LLC

3/23S/12W/Stafford

8100 E 22nd Street North
 Building 300 Suite 200
 Wichita, Kansas 67226
 ATTN: Chuck Shmaltz

Byer 1-3

Job Ticket: 64796

DST#: 2

Test Start: 2017.06.28 @ 16:47:00

GENERAL INFORMATION:

Formation: **Lansing/Kansas City**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:04:30

Time Test Ended: 23:37:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72 Great Bend/ 60

Interval: 3430.00 ft (KB) To 3560.00 ft (KB) (TVD)

Reference Elevations: 1839.00 ft (KB)

Total Depth: 3560.00 ft (KB) (TVD)

1831.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8960 Outside

Press@RunDepth: 420.73 psig @ 3432.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.06.28

End Date: 2017.06.28

Last Calib.: 2017.06.28

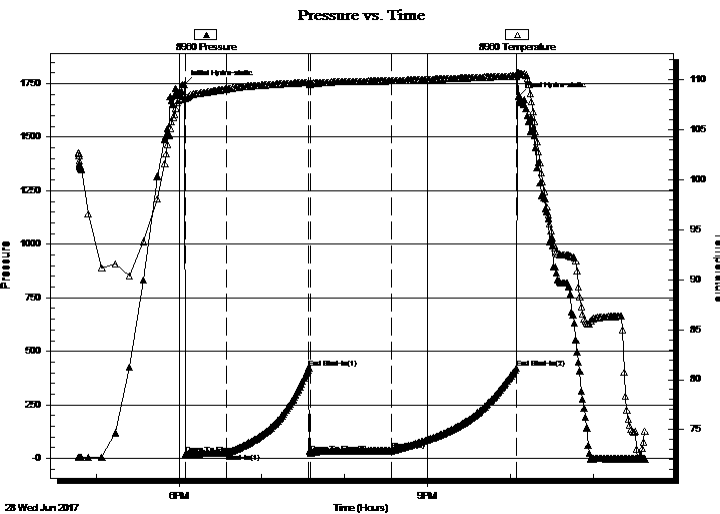
Start Time: 16:47:05

End Time: 23:37:29

Time On Btm: 2017.06.28 @ 18:03:30

Time Off Btm: 2017.06.28 @ 22:06:00

TEST COMMENT: I.F. 30 Minutes/ Blow built to 5 inches
 I.S.I. 60 Minutes/ No blow back
 F.F. 30 Minutes/ Blow built to 5" in 2 min. 6" in 12 min. then slowly died to 3 1/2 inch
 F.S.I. 30 Mintues/ No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1745.80	108.37	Initial Hydro-static
1	20.97	108.11	Open To Flow (1)
31	23.71	109.07	Shut-In(1)
91	420.09	109.74	End Shut-In(1)
92	26.07	109.57	Open To Flow (2)
151	36.05	109.90	Shut-In(2)
241	420.73	110.39	End Shut-In(2)
243	1689.42	110.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Oil cut	0.84
0.00	120 feet of gas in pipe	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dixon Operating Company LLC

3/23S/12W/Stafford

8100 E 22nd Street North
Building 300 Suite 200
Wichita, Kansas 67226
ATTN: Chuck Shmaltz

Byer 1-3

Job Ticket: 64796

DST#: 2

Test Start: 2017.06.28 @ 16:47:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 53.00 sec/qt

Water Loss: 8.38 in³

Resistivity: ohm.m

Salinity: 4300.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Oil cut	0.842
0.00	120 feet of gas in pipe	0.000

Total Length: 60.00 ft Total Volume: 0.842 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Dixon Operating Company LLC

3/23S/12W/Stafford

8100 E 22nd Street North
Building 300 Suite 200
Wichita, Kansas 67226
ATTN: Chuck Shmaltz

Byer 1-3

Job Ticket: 64797

DST#: 3

Test Start: 2017.06.29 @ 08:15:00

GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:03:30

Time Test Ended: 15:56:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72 Great Bend/ 60

Interval: 3538.00 ft (KB) To 3625.00 ft (KB) (TVD)

Reference Elevations: 1839.00 ft (KB)

Total Depth: 3625.00 ft (KB) (TVD)

1831.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8354 Inside

Press@RunDepth: 77.94 psig @ 3539.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.06.29

End Date: 2017.06.29

Last Calib.: 2017.06.29

Start Time: 08:15:05

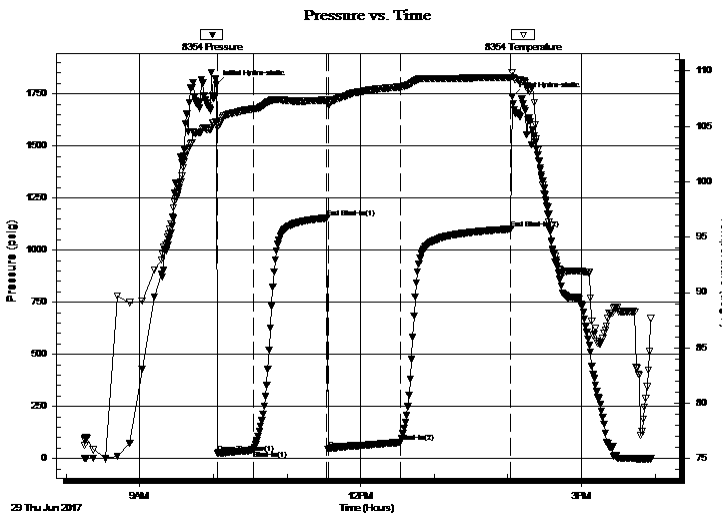
End Time: 15:56:29

Time On Btm: 2017.06.29 @ 10:02:30

Time Off Btm: 2017.06.29 @ 14:03:30

TEST COMMENT: I.F. 30 Minutes/ Blow built to bottom of bucket in 9 minutes
I.S.I. 60 Minutes/ Surface blow back died in 8 minutes
F.F. 60 Minutes/ Blow built to bottom of bucket in 30 seconds
F.S.I. 90 Minutes/ Blow back built to 2 1/2 inches then died at 27 minutes

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1793.83	105.43	Initial Hydro-static
1	25.90	104.89	Open To Flow (1)
30	40.04	106.57	Shut-In(1)
90	1153.95	107.37	End Shut-In(1)
91	45.93	106.94	Open To Flow (2)
150	77.94	108.56	Shut-In(2)
240	1101.57	109.43	End Shut-In(2)
241	1736.05	109.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	Mud & Oil cut Gas	0.87
0.00	Mud 5% Oil 5% Gas 90%	0.00
93.00	Oil cut Muddy Gas	1.30
0.00	Oil 5% Mud 20% Gas 75%	0.00
0.00	1953 feet GIP	0.00

Gas Rates

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



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DRILL STEM TEST REPORT

Dixon Operating Company LLC

3/23S/12W/Stafford

8100 E 22nd Street North
Building 300 Suite 200
Wichita, Kansas 67226
ATTN: Chuck Shmaltz

Byer 1-3

Job Ticket: 64797

DST#: 3

Test Start: 2017.06.29 @ 08:15:00

GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:03:30

Time Test Ended: 15:56:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72 Great Bend/ 60

Interval: 3538.00 ft (KB) To 3625.00 ft (KB) (TVD)

Reference Elevations: 1839.00 ft (KB)

Total Depth: 3625.00 ft (KB) (TVD)

1831.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8960 Outside

Press@RunDepth: 1100.15 psig @ 3540.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.06.29

End Date: 2017.06.29

Last Calib.: 2017.06.29

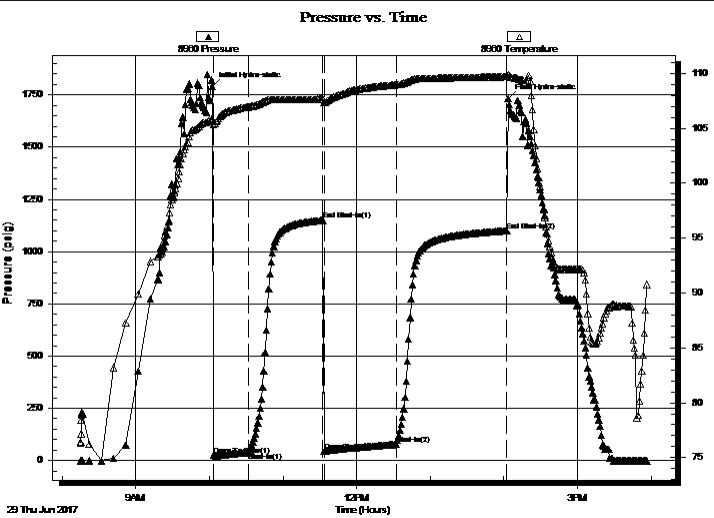
Start Time: 08:15:05

End Time: 15:56:29

Time On Btm: 2017.06.29 @ 10:02:30

Time Off Btm: 2017.06.29 @ 14:03:30

TEST COMMENT: I.F. 30 Minutes/ Blow built to bottom of bucket in 9 minutes
I.S.I. 60 Minutes/ Surface blow back died in 8 minutes
F.F. 60 Minutes/ Blow built to bottom of bucket in 30 seconds
F.S.I. 90 Minutes/ Blow back built to 2 1/2 inches then died at 27 minutes



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1790.35	105.87	Initial Hydro-static
1	23.14	105.37	Open To Flow (1)
30	38.48	106.95	Shut-In(1)
90	1150.09	107.67	End Shut-In(1)
91	43.72	107.36	Open To Flow (2)
150	77.48	108.97	Shut-In(2)
240	1100.15	109.70	End Shut-In(2)
241	1732.38	109.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	Mud & Oil cut Gas	0.87
0.00	Mud 5% Oil 5% Gas 90%	0.00
93.00	Oil cut Muddy Gas	1.30
0.00	Oil 5% Mud 20% Gas 75%	0.00
0.00	1953 feet GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dixon Operating Company LLC

3/23S/12W/Stafford

8100 E 22nd Street North
Building 300 Suite 200
Wichita, Kansas 67226
ATTN: Chuck Shmaltz

Byer 1-3

Job Ticket: 64797

DST#: 3

Test Start: 2017.06.29 @ 08:15:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 10.00 lb/gal
Viscosity: 62.00 sec/qt
Water Loss: 9.39 in³
Resistivity: ohm.m
Salinity: 6400.00 ppm
Filter Cake: 2.00 inches

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

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

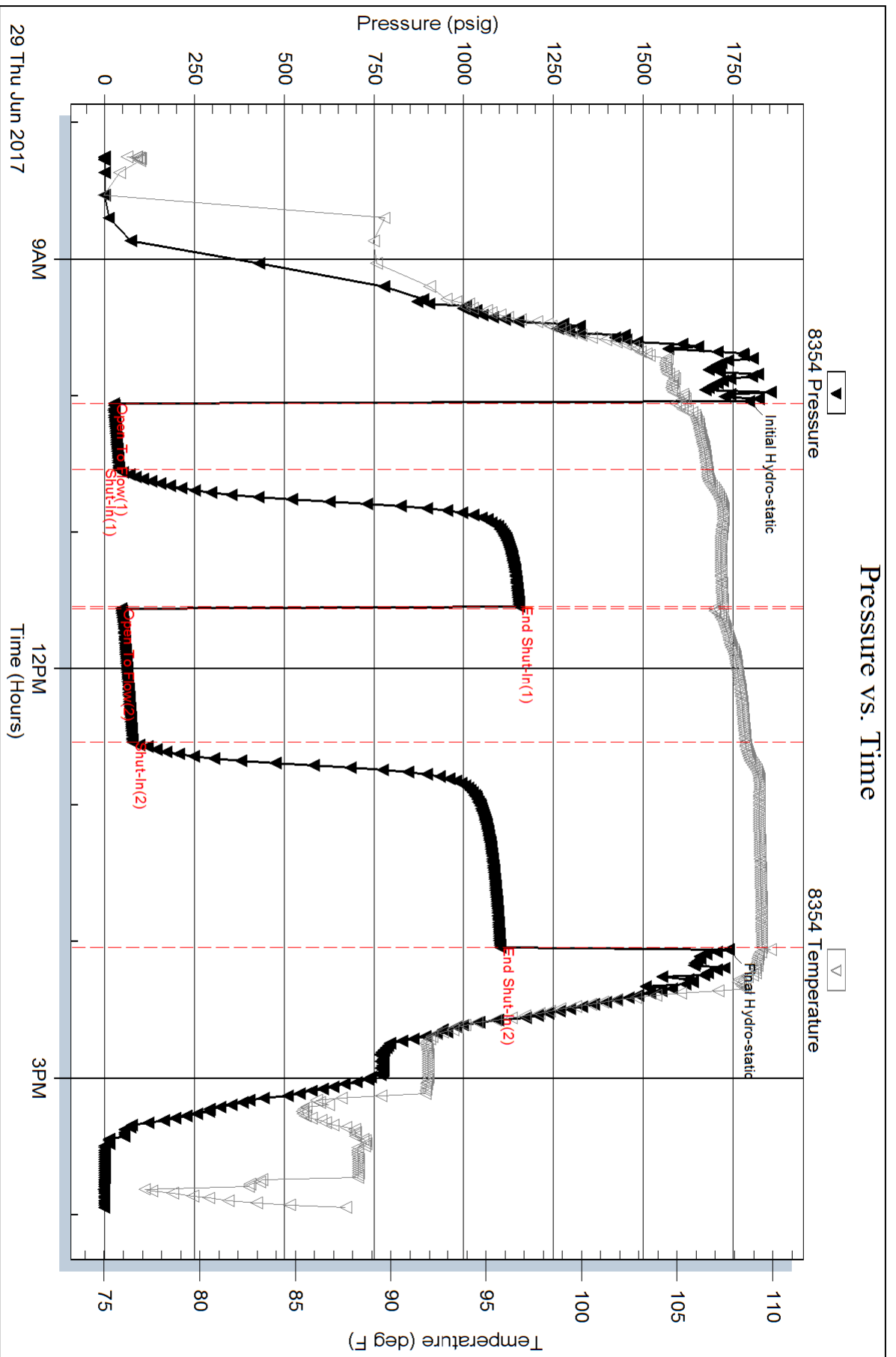
Length ft	Description	Volume bbl
62.00	Mud & Oil cut Gas	0.870
0.00	Mud 5% Oil 5% Gas 90%	0.000
93.00	Oil cut Muddy Gas	1.305
0.00	Oil 5% Mud 20% Gas 75%	0.000
0.00	1953 feet GIP	0.000

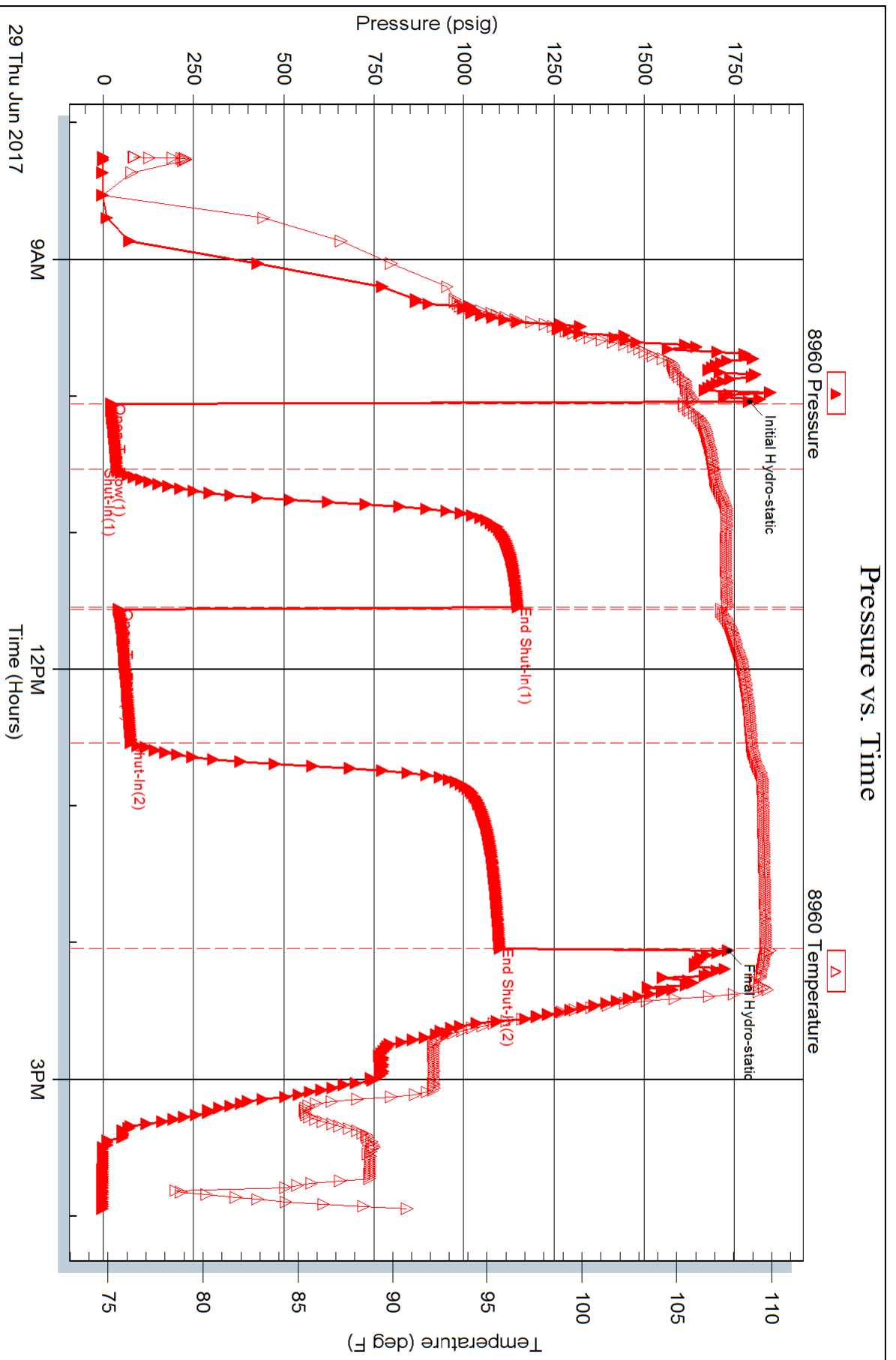
Total Length: 155.00 ft Total Volume: 2.175 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:







TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dixon Operating Company LLC

3/23S/12W/Stafford

8100 E 22nd Street North
 Building 300 Suite 200
 Wichita, Kansas 67226
 ATTN: Chuck Shmaltz

Byer 1-3

Job Ticket: 64798

DST#: 4

Test Start: 2017.06.29 @ 22:24:00

GENERAL INFORMATION:

Formation: **Viola**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 23:58:30 Tester: Ken Swinney
 Time Test Ended: 05:47:00 Unit No: 72 Great Bend/ 60
 Interval: **3626.00 ft (KB) To 3655.00 ft (KB) (TVD)** Reference Elevations: 1839.00 ft (KB)
 Total Depth: 3655.00 ft (KB) (TVD) 1831.00 ft (CF)
 Hole Diameter: 7.80 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

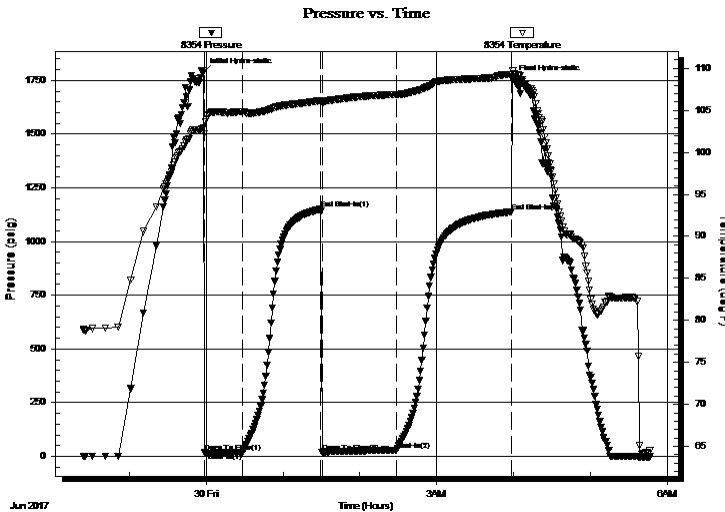
Serial #: 8354

Inside

Press@RunDepth: 29.14 psig @ 3651.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.06.29 End Date: 2017.06.30 Last Calib.: 2017.06.30
 Start Time: 22:24:05 End Time: 05:46:59 Time On Btm: 2017.06.29 @ 23:57:30
 Time Off Btm: 2017.06.30 @ 03:59:30

TEST COMMENT: I.F. 30 Minutes/ Blow built to BOB in 9 minutes
 I.S.I. 60 Minutes/ No blow back
 F.F. 60 Minutes/ Blow built to BOB in 30 seconds
 F.S.I. 90 Minutes/ No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1786.13	102.98	Initial Hydro-static
1	20.25	102.22	Open To Flow (1)
31	18.44	104.86	Shut-In(1)
92	1150.58	106.16	End Shut-In(1)
93	19.57	105.93	Open To Flow (2)
151	29.14	106.88	Shut-In(2)
241	1138.39	109.24	End Shut-In(2)
242	1752.31	109.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	Gas cut oily mud/ gas 10 oil 30 mud 60	0.70
0.00	1488 feet of GIP	0.00

Gas Rates

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



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DRILL STEM TEST REPORT

Dixon Operating Company LLC

3/23S/12W/Stafford

8100 E 22nd Street North
 Building 300 Suite 200
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 ATTN: Chuck Shmaltz

Byer 1-3

Job Ticket: 64798

DST#: 4

Test Start: 2017.06.29 @ 22:24:00

GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:58:30

Time Test Ended: 05:47:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72 Great Bend/ 60

Interval: 3626.00 ft (KB) To 3655.00 ft (KB) (TVD)

Reference Elevations: 1839.00 ft (KB)

Total Depth: 3655.00 ft (KB) (TVD)

1831.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8960 Outside

Press@RunDepth: 1137.04 psig @ 3652.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.06.29

End Date: 2017.06.30

Last Calib.: 2017.06.30

Start Time: 22:24:05

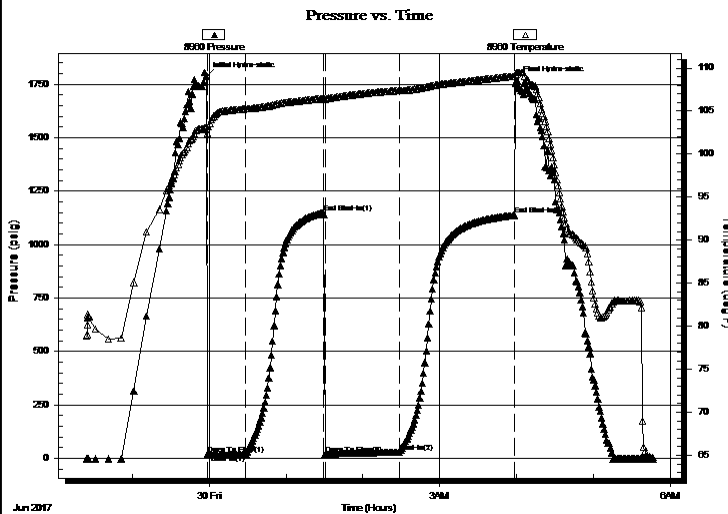
End Time: 05:46:59

Time On Btm: 2017.06.29 @ 23:57:30

Time Off Btm: 2017.06.30 @ 04:00:00

TEST COMMENT: I.F. 30 Minutes/ Blow built to BOB in 9 minutes
 I.S.I. 60 Minutes/ No blow back
 F.F. 60 Minutes/ Blow built to BOB in 30 seconds
 F.S.I. 90 Minutes/ No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1784.41	103.19	Initial Hydro-static
1	18.65	102.43	Open To Flow (1)
31	17.90	105.26	Shut-In(1)
92	1149.55	106.49	End Shut-In(1)
93	18.61	106.34	Open To Flow (2)
151	29.03	107.39	Shut-In(2)
241	1137.04	109.04	End Shut-In(2)
243	1768.03	109.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	Gas cut oily mud/ gas 10 oil 30 mud 60	0.70
0.00	1488 feet of GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dixon Operating Company LLC

3/23S/12W/Stafford

8100 E 22nd Street North
Building 300 Suite 200
Wichita, Kansas 67226
ATTN: Chuck Shmaltz

Byer 1-3

Job Ticket: 64798

DST#: 4

Test Start: 2017.06.29 @ 22:24:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 10.00 lb/gal
Viscosity: 62.00 sec/qt
Water Loss: 9.39 in³
Resistivity: ohm.m
Salinity: 6200.00 ppm
Filter Cake: 2.00 inches

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

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	Gas cut oily mud/ gas 10 oil 30 mud 60	0.701
0.00	1488 feet of GIP	0.000

Total Length: 50.00 ft Total Volume: 0.701 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

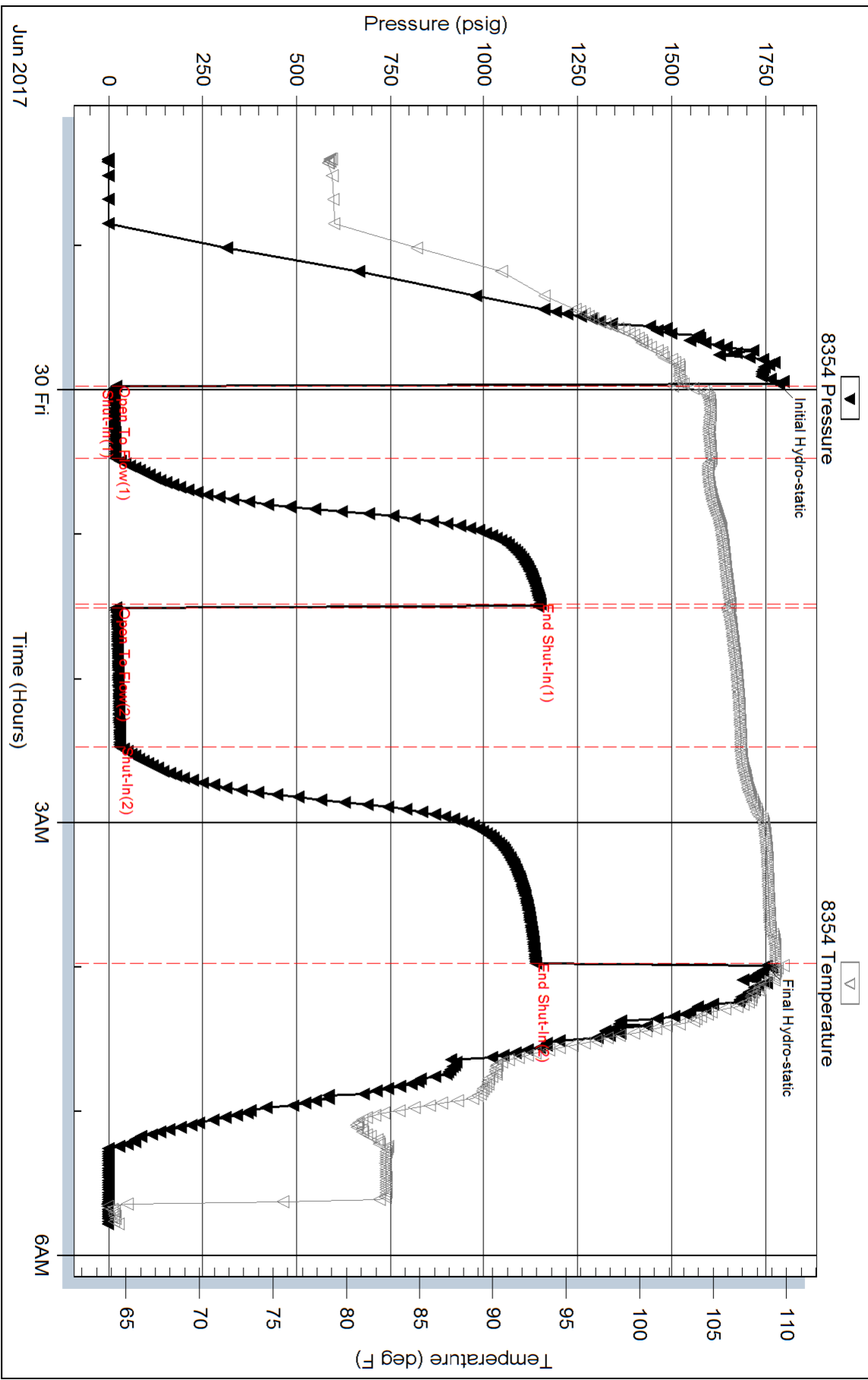
Serial #:

Laboratory Name:

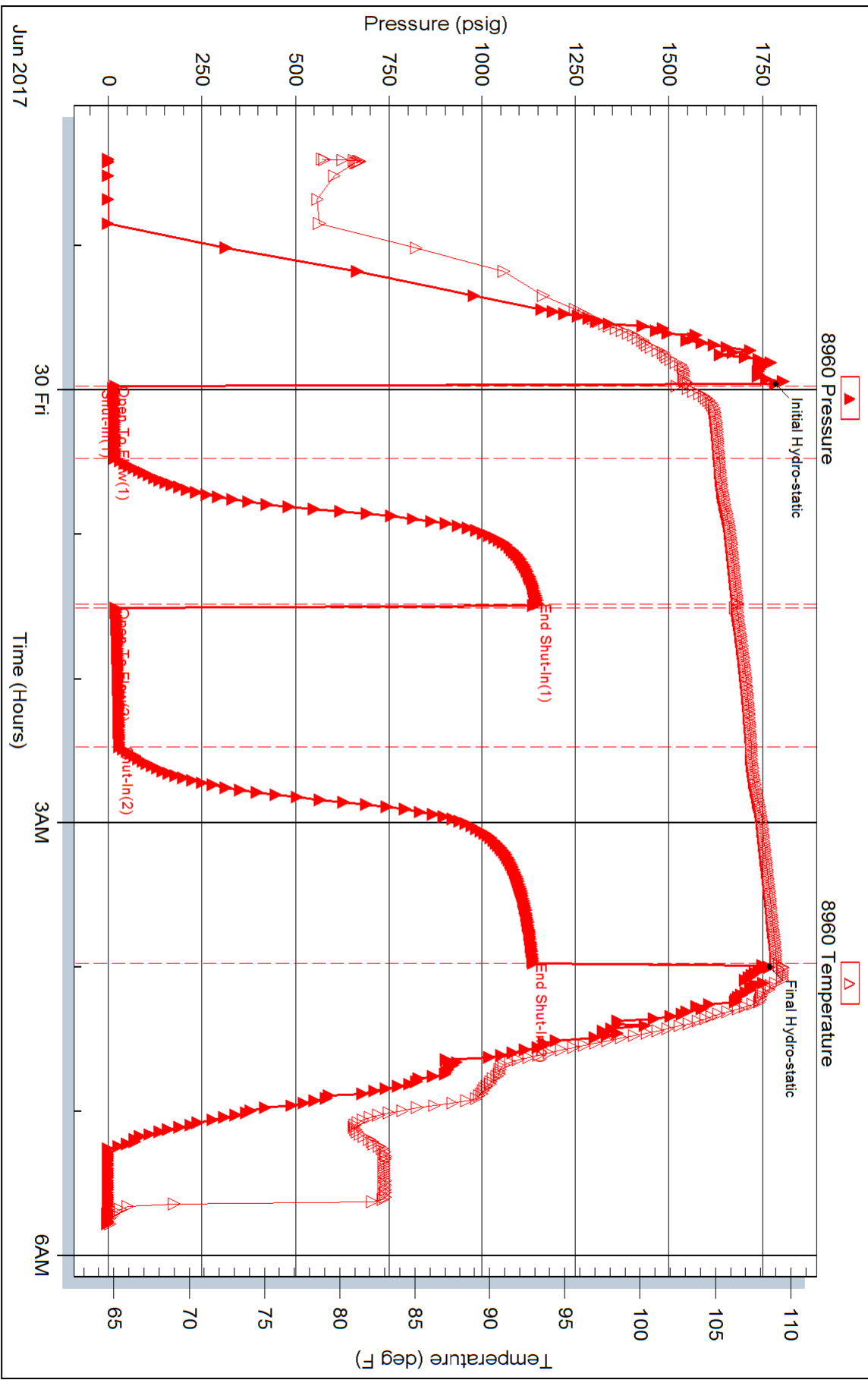
Laboratory Location:

Recovery Comments:

Pressure vs. Time



Pressure vs. Time



TREATMENT REPORT

Customer Dixon Operating	Lease No.	Date 7-1-17
Lease Byer	Well # 1-3	
Field Order # 15301	Station Pratt	Casing 5 1/2 Depth RTO 3880
Type Job 2-42 5 1/2" Long String	Formation LTO 3874	County STAFFORD State KS
		Legal Description S-235-12w

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size	Shots/Ft		Acid 150 SKS AA-2	RATE .590	PRESS 1025	ISIP D-FOAM	
Depth 3880	Depth	From	To	Pre Pad	Max .107	SALT 370 mg	5 Min.	5# gilsonite
Volume 90.2	Volume	From	To	Pad 55 SKS	Min 60/40	POZ	10 Min.	
Max Press 4500	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative T.J. Dixon	Station Manager WESTERMAN	Treater MIKE MATTAL
Service Units 83357	27467	19889
Driver Names MATTAL	MANN	OSBORN

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
4:30					ON location / safety meeting
5:30					Run 5 1/2 17" casing shoe 17.09'
					BASKET on 2 joints 3,4,5,6,7,8,9,10,13,16
7:15					Casing on bottom
7:34					hook to casing / Break circ w. Rig
9:13	200		3	5	Pump 3 bbl water
9:14	200		12	5	Pump 12 bbl mud flush
9:17	200		3	5	Pump 3 bbl water
9:19	220		6	5	Mix 25 SKS scavenge
9:21	200		38	5	Mix 150 SKS AA-2 cmc
9:27			4	3	Wash pump + line / Diap Plug
9:31	50		0	6	START DISPLACEMENT
9:44	200		68	6	LIFT PRESSURE
9:48	400		80	3	Slow rate
9:53	1500		90		Plug down, release + hold
9:58					Plug RAT hole
					circ. through job
					JOB COMPLETE
					THANK YOU
					MIKE MATTAL
					MIKE + RILEY

Customer <i>Dixon Operations</i>	Lease No.	Date <i>6/24/2017</i>	
Lease <i>Byer</i>	Well # <i>1-3</i>		
Field Order # <i>15132</i>	Station <i>Pisatt, KS</i>	Casing <i>8 5/8</i>	Depth <i>367</i>
Type Job <i>242/85/8 Surface</i>	Formation <i>TD-367</i>	County <i>Stallora</i>	State <i>KS</i>
Legal Description <i>3-233-12w</i>			

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<i>8 5/8</i>				Pre Pad	Max		5 Min.	
Depth <i>367</i>	Depth	From	To	Pad	Min		10 Min.	
Volume <i>73.3</i>	Volume	From	To	Frac	Avg		15 Min.	
Max Press	Max Press	From	To		HHP Used		Annulus Pressure	
Well Connection	Annulus Vol.	From	To	Flush <i>Rig Water</i>	Gas Volume		Total Load	
Plug Depth <i>347</i>	Packer Depth	From	To					

Customer Representative <i>Wes Pfeiffer</i>	Station Manager <i>Justin Westerman</i>	Treater <i>Darin Franklin</i>
Service Units <i>92911 84981 19843 19885 19918</i>		
Driver Names <i>Darin McGrew McGrew Clymer Clymer</i>		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>12:00pm</i>					<i>On location / Safety Meeting</i>
					<i>8 5/8 casing set at 367'</i>
					<i>350 sic 60/40 P02, 3% Calcium Chloride</i>
					<i>2% Gel, 0.25 pps Cellofiske</i>
					<i>Pipe on bottom & break circulation</i>
<i>1:45pm</i>	<i>200</i>		<i>3</i>	<i>5</i>	<i>Pump 3 bbls water</i>
	<i>200</i>		<i>75</i>	<i>5</i>	<i>mix 350 sic cement</i>
					<i>Shut down</i>
					<i>Release Plug</i>
	<i>200</i>		<i>0</i>	<i>3</i>	<i>Displace</i>
<i>2:30</i>	<i>200</i>		<i>22</i>	<i>3</i>	<i>Shut in</i>
					<i>Cement die circulation 15 bbls</i>
					<i>Job complete / Derin & Co</i>
					<i>Thank you!!</i>

