

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	POUND 2-34
Doc ID	1324271

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
1	Perf	Treat w/2500 gal 10% NEFE Acid	3612-3651
1	Perf		3657-3661

Customer <i>Dixon Operating</i>		Lease No.		Date <i>10/24/16</i>	
Lease <i>Round</i>		Well # <i>2-301</i>			
Field Order # <i>111394</i>	Station <i>Pratt, KS</i>	Casing <i>5 7/8 17 1/2</i>	Depth <i>3989</i>	County <i>Stafford</i>	State <i>KS</i>
Type Job <i>3 1/2" Long string completions</i>			Formation	Legal Description	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<i>3 1/2" 17 1/2"</i>								
Depth	Depth	From	To	Pre Pad	Max		5 Min.	
<i>3989</i>								
Volume	Volume	From	To	Pad	Min		10 Min.	
<i>7054</i>								
Max Press	Max Press	From	To	Frac	Avg		15 Min.	
<i>3100</i>								
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
<i>5 7/8"</i>								
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative <i>J.J. Dixon</i>				Station Manager <i>Kevin Conley</i>				Treater <i>Scott Conroy</i>			
Service Units	<i>35450</i>	<i>75982</i>	<i>70959</i>	<i>56779</i>	<i>19362</i>						
Driver Names	<i>Scott</i>	<i>W. H. Lewis</i>									

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>9:30</i>					<i>On location Safety Meeting</i>
<i>11:00</i>					<i>Run 1 hour equipment test</i>
					<i>shots 1, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 15, 19</i>
<i>2:45</i>					<i>Break circulation 2 hours</i>
<i>4:50</i>	<i>250</i>			<i>4</i>	<i>Pump H₂O spacer</i>
<i>4:52</i>	<i>250</i>		<i>5</i>	<i>4</i>	<i>Pump acid flush</i>
<i>4:57</i>	<i>250</i>		<i>12</i>	<i>4</i>	<i>Pump H₂O spacer</i>
<i>4:58</i>	<i>300</i>		<i>5</i>	<i>6</i>	<i>Mix 25 sacks cement</i>
<i>5:00</i>	<i>350</i>		<i>8</i>	<i>6.3</i>	<i>Mix 700 sacks AA 15 min</i>
<i>5:09</i>	<i>0</i>		<i>51</i>		<i>shut down</i>
<i>5:10</i>					<i>check pump & lines flow</i>
<i>5:13</i>				<i>6.2</i>	<i>Release plug shut displacement</i>
<i>5:21</i>	<i>1500-200</i>		<i>45</i>	<i>6.7</i>	<i>pressure very erratic surging</i>
<i>5:22</i>	<i>300-1200</i>		<i>5</i>	<i>3.2</i>	<i>Reduce rate</i>
<i>5:35</i>	<i>950</i>		<i>40.5</i>	<i>3</i>	<i>Plug landed</i>
<i>5:36</i>	<i>700</i>				<i>Increase pressure</i>
<i>5:37</i>	<i>0</i>				<i>Release pressure No Returns</i>
<i>5:45</i>	<i>0</i>		<i>8</i>	<i>3</i>	<i>Plug Red hole 30 sacks</i>
<i>5:50</i>	<i>0</i>		<i>6</i>	<i>3</i>	<i>Plug Yellow hole 70 sacks</i>
					<i>Job Complete</i>

Mud-Co / Service Mud Inc.

Operator **Dixon Operating** County **Stafford** State **Kansas** Pump **6** X **16** X **60** SPM Casing Program **8 5/8" @ 344 ft**
 Well **Pound #2-34** Location **Sec 34 TWP 22S RNG 12W D.P. 4.5 in. 430 ft** GPM **882** BPM **218** FT/MIN R.A. **"** @ **"** ft
 Contractor **Murfin #21** Date **10/17/2016** Engineer **Rick Hughes** Coliar **6.25** in. **396** FT/MIN R.A. **"** @ **"** ft
 Stockpoint **Pratt, Ks.** Total Depth **4000** ft

DATE	DEPTH	WEIGHT	VISCOSITY		GELS	pH	FILTRATION/FILTRATION ANALYSIS			SAND	REPORT			L.C.M.	PUMP	CUMULATIVE	REMARKS AND TREATMENT	
			See API @ F	PV @ F			Yp	10 sec / 10 ml	ml API		Cake 32hrs	Pres. #8BL	Cl ppm					Ca ppm
10/17	0																0 RURT	
10/18	552	8.4	26	1	1	0/0	12.0	N/C	-		0.1		99.9			3.807	Drig.	Displaced @ 2800
10/19	2196	9.9	32	3	5	1/1	7.0	N/C	-		7.2		92.8			5.702	Drig.	Bit trip @ 2800 after displacing
10/20	3195	9.0	54	14	17	15/48	10.0	8.0	2		4.6		95.4	1		8.161	Drig.	DST #1 @ 3648
10/21	3637	9.3	56	18	15	12/50	10.0	8.0	2		6.8		93.2	1/2		9.065	Drig.	DST #2 @ 3742
10/22	3742	9.4	65	19	19	18/61	9.5	9.2	2		7.3		92.7	1		9.287	T/W/DST #2	
10/23	3950	9.3	67	22	21	14/68	10.5	8.8	2		6.7		93.3	1		9.853	T/O for log	
10/24	4000															10.126	Final:	
																	LTD - 3952'	
																	2 DST's.	
																	Drilled to 4000' after logs.	
																	Run Casing.	

MUD-CO / SERVICE MUD INC.
 100 S. Main Suite #310
 Wichita, Ks. 67202
 316/264-2814 Fax: 316/264-5024
DRILLING MUD RECAP

Materials	Sacks	Amount	Materials	Sacks	Amount	Materials	Sacks	Amount	REMARKS AND TREATMENT	Amount
C/S HULLS	57	951.33								
CAUSTIC SODA	15	937.80							Reserve Pit, Cl content ppm: 35,000	
DESCO	2	239.56							Estimated Volume: 800 bls of free fluids	
DRILL PAK	7	2148.30								
LIME	4	40.92								
PREMIUM GEL	30	5150.11							Total Mud Cost	10126.34
SODA ASH	13	312.52							Trucking Cost	949.94
SUPER LIG	13	345.80							Trucking Surcharge	
									Taxes	
									TOTAL COST	11076.28

BASIC

energy services, L.P.

TREATMENT REPORT

Customer	DIXON OPERATING		Lease No.			Date	10-17-16	
Lease	POUND		Well #	2-34				
Field Order #	Station	Casing	Depth	County	State			
14703	PRATT, KS	8 5/8	345	STAFFORD	KS			
Type Job	242 - SURFACE		Formation	Legal Description 34-22-12				

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
8 5/8							5 Min.
345	Depth	From	To	Pre Pad	Max		
	Volume	From	To	Pad	Min		10 Min.
Max Press	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	JUAN	Station Manager	KEVIN	Treater	CONLEY
Service Units	83353	78982-86779	84980-19860		
Driver Names	KS	SEON	WICKLINE		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2100					ON LOCATION
					RUN 332' 8 5/8 IUC.
					SET AT 345' w/ 15' LI.
					BREAK CIRC.
2300			65	6	MITX 300 SL 60/40 P02
					2% CL2, 3% CC, 1/4 ACE/FINACE
					STOP - DROP WOOD PLUG
			0	6	START DIST
2330			20 1/2	6	PLUG DOWN
					CIRC 10001 CEMENT TO SET
2400					JOB COMPLETE - KEVIN



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Dixon Operating Co
 8100 E 22nd St N Bldg 300 Ste 200
 Wichita, KS 67226
 ATTN: Chuck Schmaltz

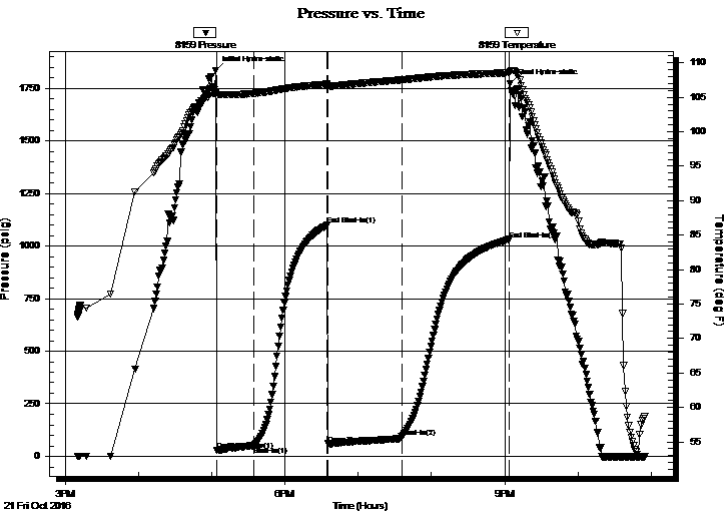
34-22S-12W Stafford
Pound 2-34
 Job Ticket: 57957 **DST#: 1**
 Test Start: 2016.10.21 @ 15:10:15

GENERAL INFORMATION:

Formation: **Viola**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 17:04:30 Tester: Leal Cason
 Time Test Ended: 22:54:45 Unit No: 74
 Interval: **3557.00 ft (KB) To 3648.00 ft (KB) (TVD)** Reference Elevations: 1843.00 ft (KB)
 Total Depth: 3648.00 ft (KB) (TVD) 1832.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 11.00 ft

Serial #: 8159 Inside
 Press@RunDepth: 92.83 psig @ 3558.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.10.21 End Date: 2016.10.21 Last Calib.: 2016.10.21
 Start Time: 15:10:16 End Time: 22:54:45 Time On Btm: 2016.10.21 @ 17:03:30
 Time Off Btm: 2016.10.21 @ 21:04:30

TEST COMMENT: IF: Weak Blow , Built to 3 inches
 IS: No Blow Back
 FF: Fair Blow , Built to 5 inches
 FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1834.48	105.60	Initial Hydro-static
1	27.57	105.24	Open To Flow (1)
31	50.16	105.57	Shut-In(1)
91	1098.24	106.91	End Shut-In(1)
92	59.83	106.54	Open To Flow (2)
152	92.83	107.54	Shut-In(2)
241	1030.87	108.57	End Shut-In(2)
241	1771.81	108.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	150 GIP	0.00
125.00	SOSM - 1%O +99%M	0.61

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Dixon Operating Co
8100 E 22nd St N Bldg 300 Ste 200
Wichita, KS 67226
ATTN: Chuck Schmaltz

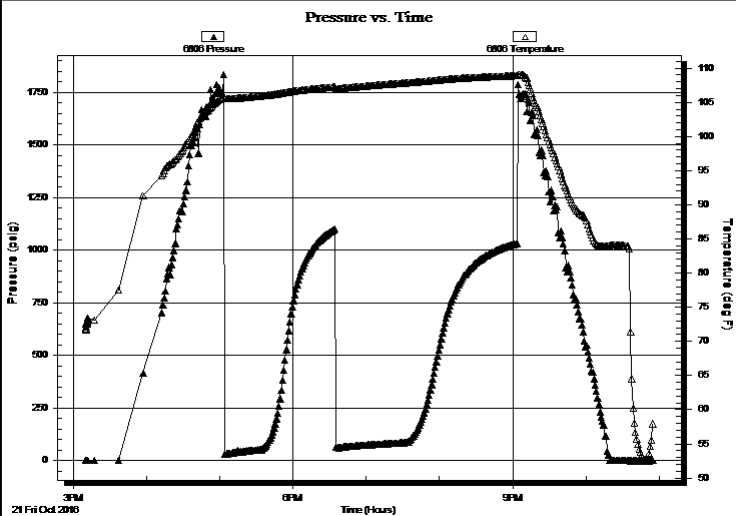
34-22S-12W Stafford
Pound 2-34
Job Ticket: 57957 **DST#: 1**
Test Start: 2016.10.21 @ 15:10:15

GENERAL INFORMATION:

Formation: **Viola**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 17:04:30 Tester: Leal Cason
Time Test Ended: 22:54:45 Unit No: 74
Interval: 3557.00 ft (KB) To 3648.00 ft (KB) (TVD) Reference Elevations: 1843.00 ft (KB)
Total Depth: 3648.00 ft (KB) (TVD) 1832.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 11.00 ft

Serial #: 6806 Outside
Press@RunDepth: psig @ 3558.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2016.10.21 End Date: 2016.10.21 Last Calib.: 2016.10.21
Start Time: 15:10:16 End Time: 22:54:45 Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Weak Blow , Built to 3 inches
IS: No Blow Back
FF: Fair Blow , Built to 5 inches
FS: No Blow Back



PRESSURE SUMMARY

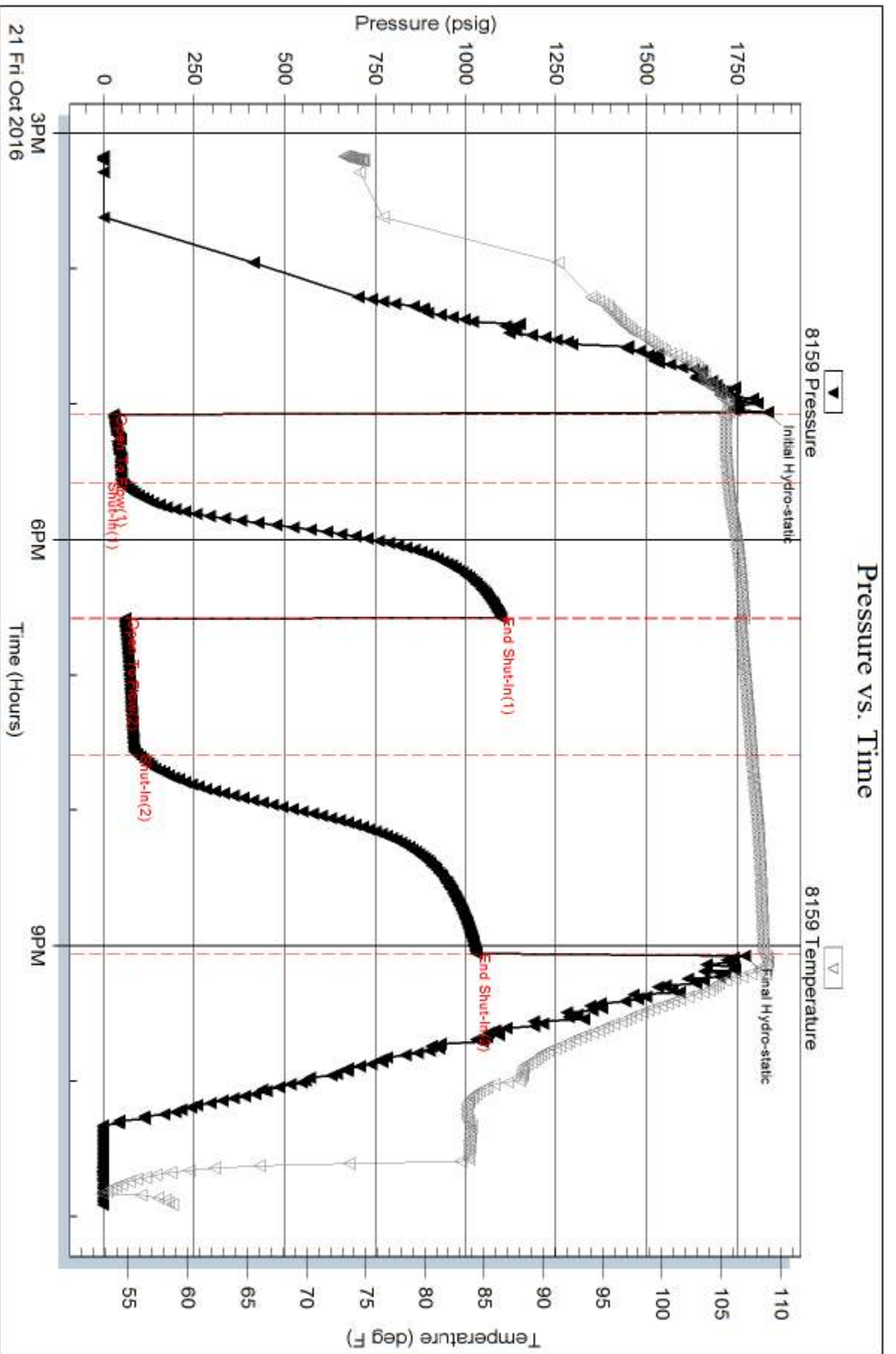
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

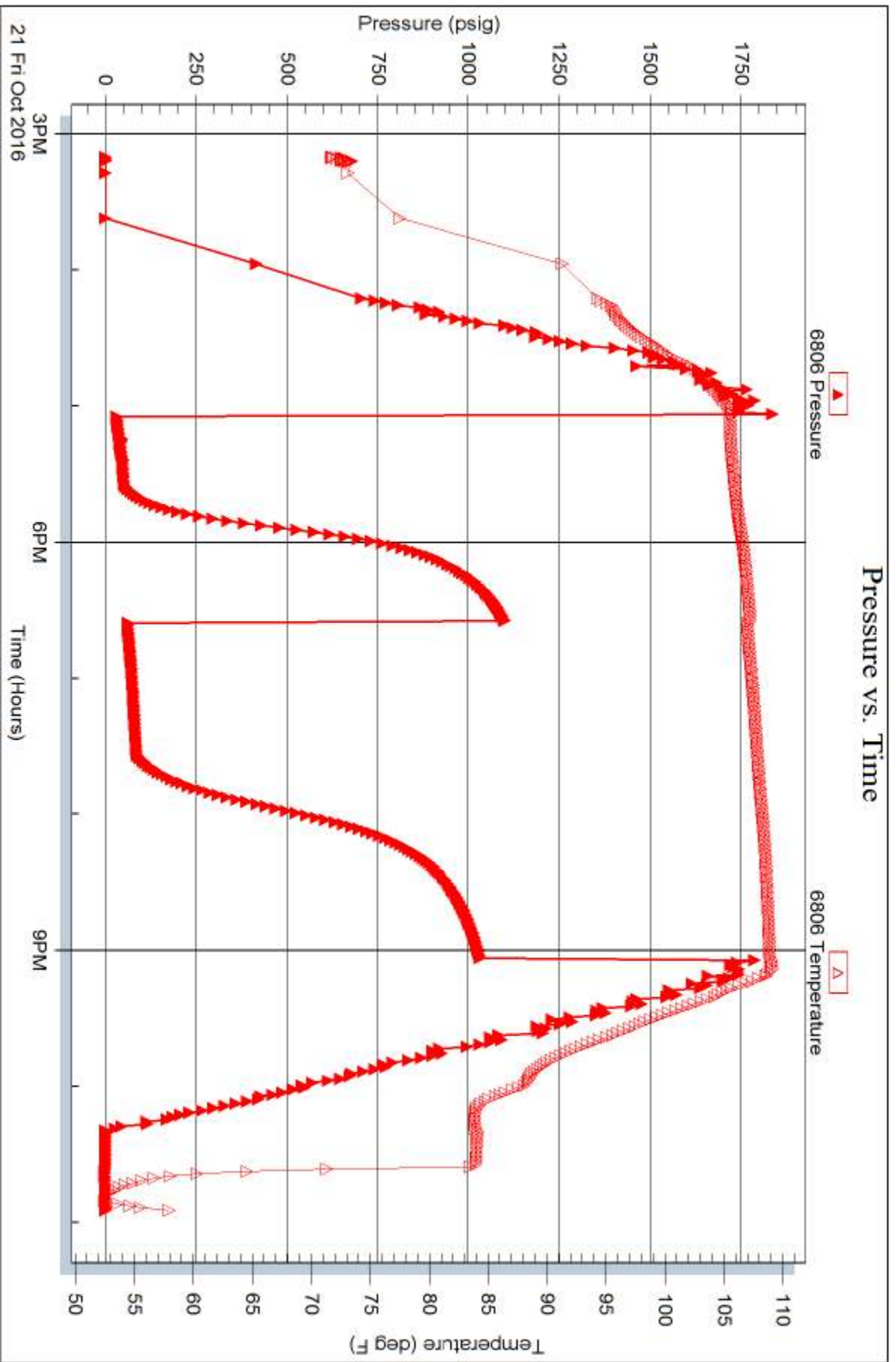
Recovery

Length (ft)	Description	Volume (bbl)
0.00	150 GIP	0.00
125.00	SOSM - 1%O +99%M	0.61

Gas Rates

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







TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Dixon Operating Co
 8100 E 22nd St N Bldg 300 Ste 200
 Wichita, KS 67226
 ATTN: Chuck Schmalz

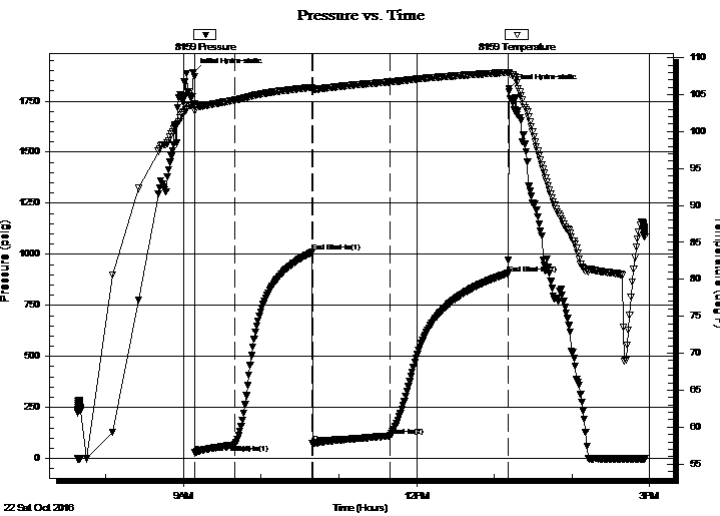
34-22S-12W Stafford
Pound 2-34
 Job Ticket: 57958 **DST#: 2**
 Test Start: 2016.10.22 @ 07:38:15

GENERAL INFORMATION:

Formation: **Viola**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 09:08:45
 Tester: Leal Cason
 Time Test Ended: 14:55:58
 Unit No: 74
Interval: 3649.00 ft (KB) To 3742.00 ft (KB) (TVD)
 Reference Elevations: 1843.00 ft (KB)
 Total Depth: 3742.00 ft (KB) (TVD)
 1832.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 11.00 ft

Serial #: 8159 Inside
 Press@RunDepth: 110.62 psig @ 3650.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.10.22 End Date: 2016.10.22 Last Calib.: 2016.10.22
 Start Time: 07:38:16 End Time: 14:55:58 Time On Btm: 2016.10.22 @ 09:07:30
 Time Off Btm: 2016.10.22 @ 13:11:15

TEST COMMENT: IF: Fair Blow , Built to 5 1/2 inches
 IS: No Blow Back
 FF: Weak Blow , Built to 2 inches
 FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1890.83	103.54	Initial Hydro-static
2	27.71	102.78	Open To Flow (1)
33	68.93	104.27	Shut-In(1)
92	1009.89	105.99	End Shut-In(1)
92	72.70	105.57	Open To Flow (2)
152	110.62	106.71	Shut-In(2)
243	906.04	108.01	End Shut-In(2)
244	1810.26	108.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	65 GIP	0.00
180.00	SOCM 5%O 95%M	0.89

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Dixon Operating Co
 8100 E 22nd St N Bldg 300 Ste 200
 Wichita, KS 67226
 ATTN: Chuck Schmaltz

34-22S-12W Stafford
Pound 2-34
 Job Ticket: 57958 **DST#: 2**
 Test Start: 2016.10.22 @ 07:38:15

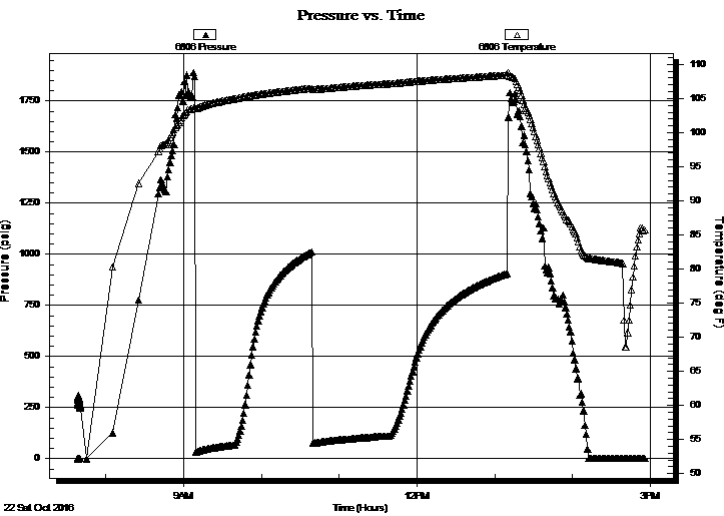
GENERAL INFORMATION:

Formation: **Viola**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 09:08:45 Tester: Leal Cason
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Interval: 3649.00 ft (KB) To 3742.00 ft (KB) (TVD) Reference Elevations: 1843.00 ft (KB)
 Total Depth: 3742.00 ft (KB) (TVD) 1832.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 11.00 ft

Serial #: 6806 Outside

Press@RunDepth: psig @ 3650.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.10.22 End Date: 2016.10.22 Last Calib.: 2016.10.22
 Start Time: 07:38:16 End Time: 14:56:15 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Fair Blow , Built to 5 1/2 inches
 IS: No Blow Back
 FF: Weak Blow , Built to 2 inches
 FS: No Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	65 GIP	0.00
180.00	SOCM 5%O 95%M	0.89

Gas Rates

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

* Recovery from multiple tests

