

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	Abercrombie Energy, LLC
Well Name	FOUSER 1-23
Doc ID	1471861

All Electric Logs Run

DIL
MEL
PE
SON

Form	ACO1 - Well Completion
Operator	Abercrombie Energy, LLC
Well Name	FOUSER 1-23
Doc ID	1471861

Tops

Name	Top	Datum
ANHY	2358	+622
B/ANHY	2378	+602
HEEB	3950	-970
LANS	3992	-1012
MUN CR	4167	-1187
STRK	4268	-1288
BKC	4346	-1366
MARM	4376	-1396
PAW	4474	-1494
FT SCT	4517	-1537
CHER	4543	-1563
MISS	4648	-1668

KEVIN L. KESSLER

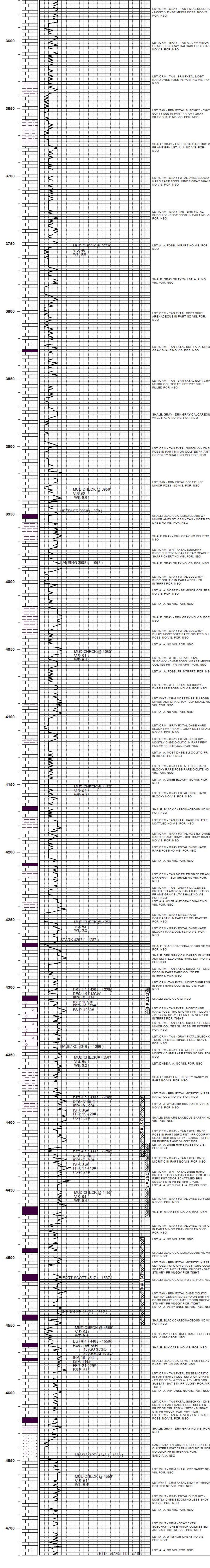
CONSULTING PETROLEUM GEOLOGIST

(316) 522 - 7338

OPERATOR : ABERCROMBIE ENERGY, LLC			ELEVATION		
LEASE : FOUSER		WELL # : 1 - 23		KB: 2980'	
LOCATION : 830' FWL & 1390' FNL					
SEC : 23		TWP : 16 S		RGE : 32 W	
COUNTY : SCOTT		STATE : KANSAS			
CONTRACTOR: STP DRILLING RIG # 1			CASING RECORD:		
COMM: 08 - 20 - 2019		COMP: 08 - 30 - 2019		SURFACE:	
RTD: 4720'		LTD: 4719'		8 5/8" @ 266'	
GEOLOGICAL SUPERVISION FROM: 3500'			PRODUCTION:		
SAMPLES SAVED FROM: 3500'			NONE		

FORMATION:	TOP	LOG DATUM	SAMPLE TOP	SAMPLE DATUM	COMP.	ELECTRICAL SURVEYS:
HEEBNER	3950	- 970	3950	- 970	- 04	DIL
LANSING	3988	- 1008	3988	- 1008	+ 02	CNL/CDL
STARK	4267	- 1287	4267	- 1287	+ 03	MICRO
BASE/ KC	4346	- 1366	4346	- 1366	+ 05	SONIC
FORT SCOTT	4517	- 1537	4517	- 1537	+ 10	
CHEROKEE	4542	- 1562	4542	- 1562	+ 10	
MISSISSIPPI	4648	- 1668	4648	- 1668	+ 27	

REFERENCE WELL FOR STRUCTURAL COMPARISON:
GAMAR OIL INC. # 1 CONINE 23-16S-32W SCOTT CO KS



COMMENTS :

DUE TO NEGATIVE DST RESULTS THIS WELL WAS PLUGGED AND ABANDONED

KEVIN L. KESSLER

PIPE



TALLY

DATE 8/20 2012

PAGE 1 OF 1

CUSTOMER Amoco LEASE & WELL NO. T-100

USED/NEW: COND A SIZE 1 1/2 WT 23 GRD 23 THD 52 R-5

MFG _____ ORDER BY Bob Day SHIP VIA Truck

#	FT.	IN.	#	FT.	IN.	#	FT.	IN.	#	FT.	IN.	#	FT.	IN.	#	FT.	IN.			
1	12	0	26			51			76			101			126			151		
2			27			52			77			102			127			152		
3			28			53			78			103			128			153		
4			29			54			79			104			129			154		
5			30			55			80			105			130			155		
6			31			56			81			106			131			156		
7			32			57			82			107			132			157		
8			33			58			83			108			133			158		
9			34			59			84			109			134			159		
10			35			60			85			110			135			160		
11			36			61			86			111			136			161		
12			37			62			87			112			137			162		
13			38			63			88			113			138			163		
14			39			64			89			114			139			164		
15			40			65			90			115			140			165		
16			41			66			91			116			141			166		
17			42			67			92			117			142			167		
18			43			68			93			118			143			168		
19			44			69			94			119			144			169		
20			45			70			95			120			145			170		
21			46			71			96			121			146			171		
22			47			72			97			122			147			172		
23			48			73			98			123			148			173		
24			49			74			99			124			149			174		
25			50			75			100			125			150			175		
T			T			T			T			T			T			T		

TALLIED BY ASB TOTAL JTS 06 TOTAL FOOTAGE 256.80

SPECIAL INSTRUCTIONS _____

ORIGINAL TO REMAIN IN BOOK - DUPLICATE TO BE ATTACHED TO CUSTOMER'S INVOICE - TRIPLICATE TO BE GIVEN TO CUSTOMER'S REPRESENTATIVE AT TIME OF DELIVERY.



DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy LLC**

10209 W Central Ste 2
Wichita, KS 67212

ATTN: Kevin Kessler

Fouser #1-23

23-16s-32w Scott,KS

Start Date: 2019.08.26 @ 11:12:57

End Date: 2019.08.26 @ 19:22:57

Job Ticket #: 65249 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.08.30 @ 08:47:49



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Abercrombie Energy LLC

23-16s-32w Scott,KS

10209 W Central Ste 2
Wichita, KS 67212

Fouser #1-23

Job Ticket: 65249

DST#: 1

ATTN: Kevin Kessler

Test Start: 2019.08.26 @ 11:12:57

GENERAL INFORMATION:

Formation: **Lansing L Middle Cre**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:24:27

Time Test Ended: 19:22:57

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 79

Interval: **4300.00 ft (KB) To 4320.00 ft (KB) (TVD)**

Reference Elevations: 2980.00 ft (KB)

Total Depth: 4320.00 ft (KB) (TVD)

2973.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 8166

Outside

Press@RunDepth: 79.89 psig @ 4301.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.08.26

End Date:

2019.08.26

Last Calib.:

2019.08.26

Start Time: 11:13:02

End Time:

19:22:56

Time On Btm:

2019.08.26 @ 13:23:57

Time Off Btm:

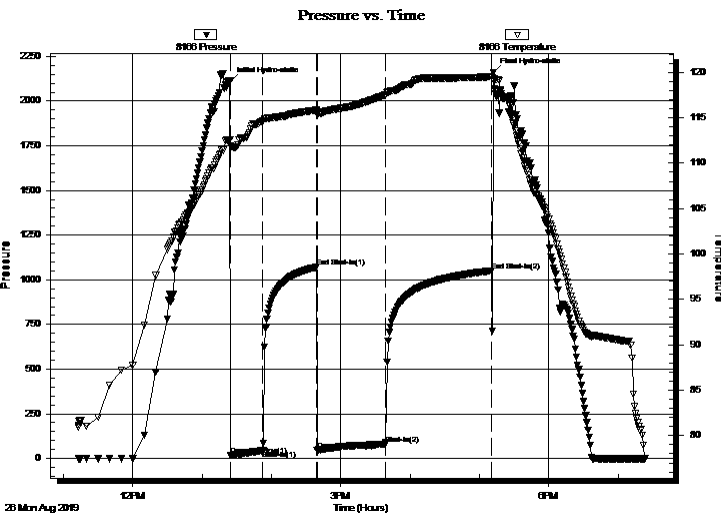
2019.08.26 @ 17:11:57

TEST COMMENT: IF: 1/4" blow built to 2 1/2.

IS: No return.

FF: 1/4" blow built to 3"

FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2108.17	112.58	Initial Hydro-static
1	16.21	111.93	Open To Flow (1)
29	43.35	114.62	Shut-In(1)
75	1070.13	115.83	End Shut-In(1)
76	46.09	115.33	Open To Flow (2)
135	79.89	117.51	Shut-In(2)
227	1050.11	119.54	End Shut-In(2)
228	2160.46	119.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	wcm 40%w 60%m	0.15
121.00	mcw 90%w 10%m	0.87

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Abercrombie Energy LLC

23-16s-32w Scott, KS10209 W Central Ste 2
Wichita, KS 67212**Fouser #1-23**

Job Ticket: 65249

DST#: 1

ATTN: Kevin Kessler

Test Start: 2019.08.26 @ 11:12:57

GENERAL INFORMATION:

Formation: Lansing L Middle Cre

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:24:27

Time Test Ended: 19:22:57

Interval: 4300.00 ft (KB) To 4320.00 ft (KB) (TVD)

Total Depth: 4320.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 79

Reference Elevations: 2980.00 ft (KB)

2973.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 6651**Inside**

Press@RunDepth: psig @ 4301.00 ft (KB)

Start Date: 2019.08.26

End Date:

2019.08.26

Start Time: 11:12:35

End Time:

19:22:29

Capacity: 8000.00 psig

Last Calib.: 2019.08.26

Time On Btm:

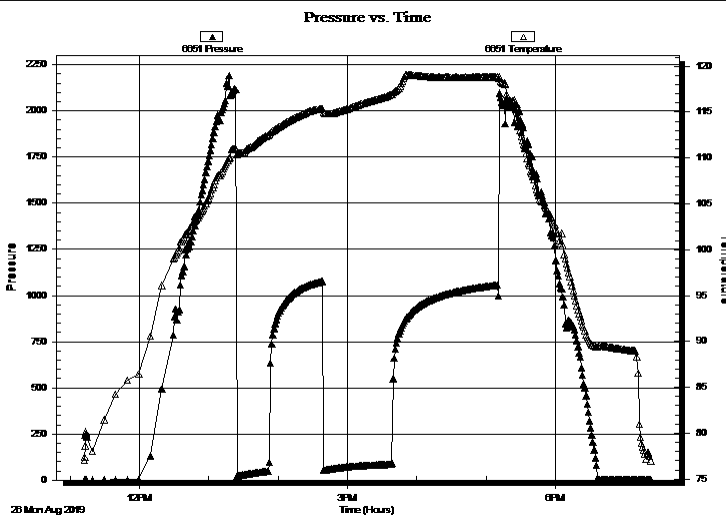
Time Off Btm:

TEST COMMENT: IF: 1/4" blow built to 2 1/2.

IS: No return.

FF: 1/4" blow built to 3"

FS: No return.

**PRESSURE SUMMARY**

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

Recovery

Length (ft)	Description	Volume (bbl)
30.00	w cm 40% w 60% m	0.15
121.00	mcw 90% w 10% m	0.87

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Abercrombie Energy LLC

23-16s-32w Scott, KS

10209 W Central Ste 2
Wichita, KS 67212

Fouser #1-23

Job Ticket: 65249

DST#: 1

ATTN: Kevin Kessler

Test Start: 2019.08.26 @ 11:12:57

Tool Information

Drill Pipe:	Length: 4170.00 ft	Diameter: 3.80 inches	Volume: 58.49 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 59.09 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	4300.00 ft			Final	63000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	20.00 ft				
Tool Length:	47.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Stubb	1.00			4274.00	
Shut In Tool	5.00			4279.00	
Hydraulic tool	5.00			4284.00	
Jars	5.00			4289.00	
Safety Joint	2.00			4291.00	
Packer	5.00			4296.00	27.00 Bottom Of Top Packer
Packer	4.00			4300.00	
Stubb	1.00			4301.00	
Recorder	0.00	6651	Inside	4301.00	
Recorder	0.00	8166	Outside	4301.00	
Perforations	14.00			4315.00	
Bullnose	5.00			4320.00	20.00 Bottom Packers & Anchor

Total Tool Length: 47.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Abercrombie Energy LLC

23-16s-32w Scott,KS

10209 W Central Ste 2
Wichita, KS 67212

Fouser #1-23

Job Ticket: 65249

DST#: 1

ATTN: Kevin Kessler

Test Start: 2019.08.26 @ 11:12:57

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

25000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
30.00	w cm 40%w 60%m	0.148
121.00	mcw 90%w 10%m	0.868

Total Length: 151.00 ft Total Volume: 1.016 bbl

Num Fluid Samples: 0

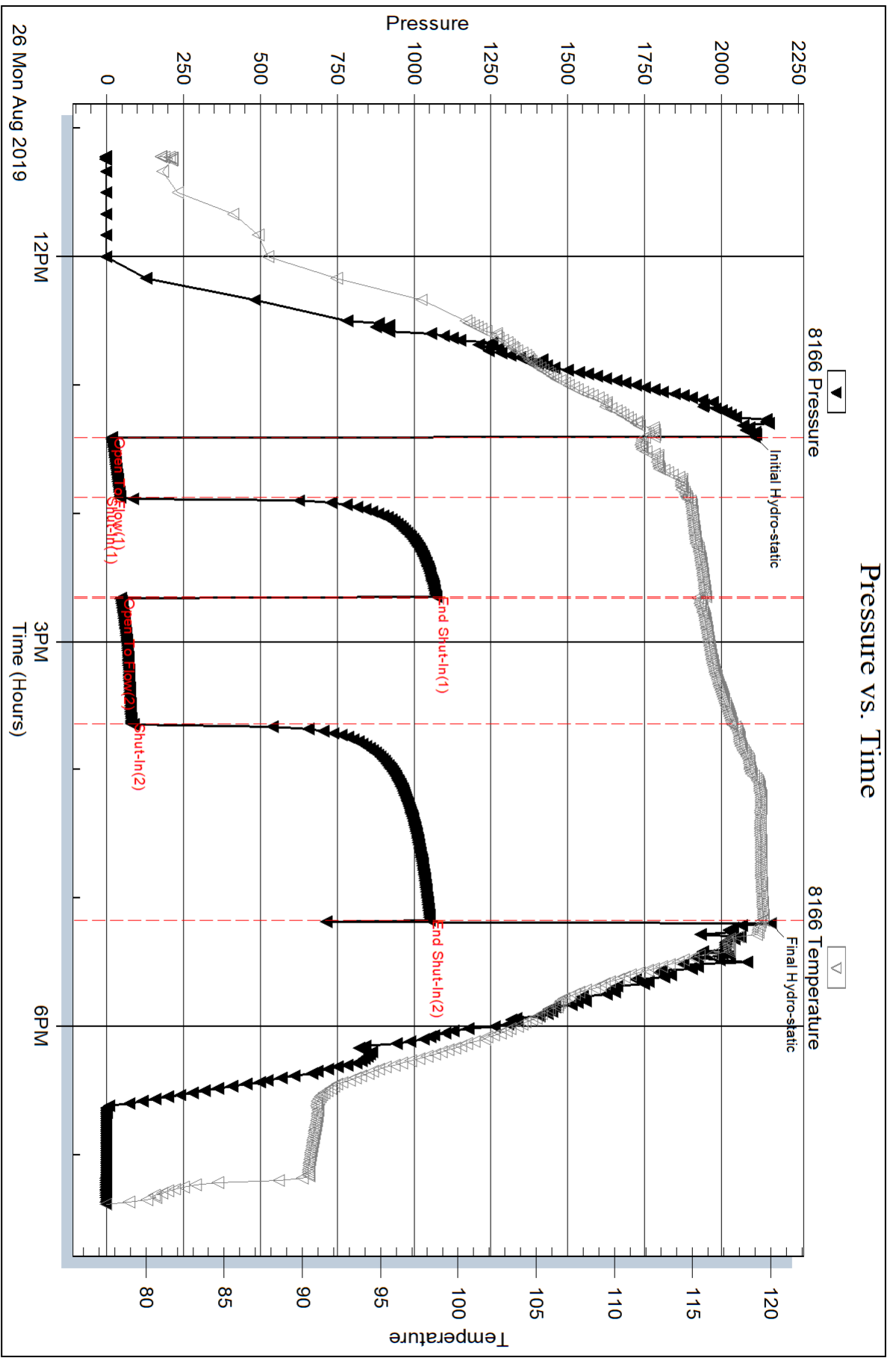
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .23@84=25000



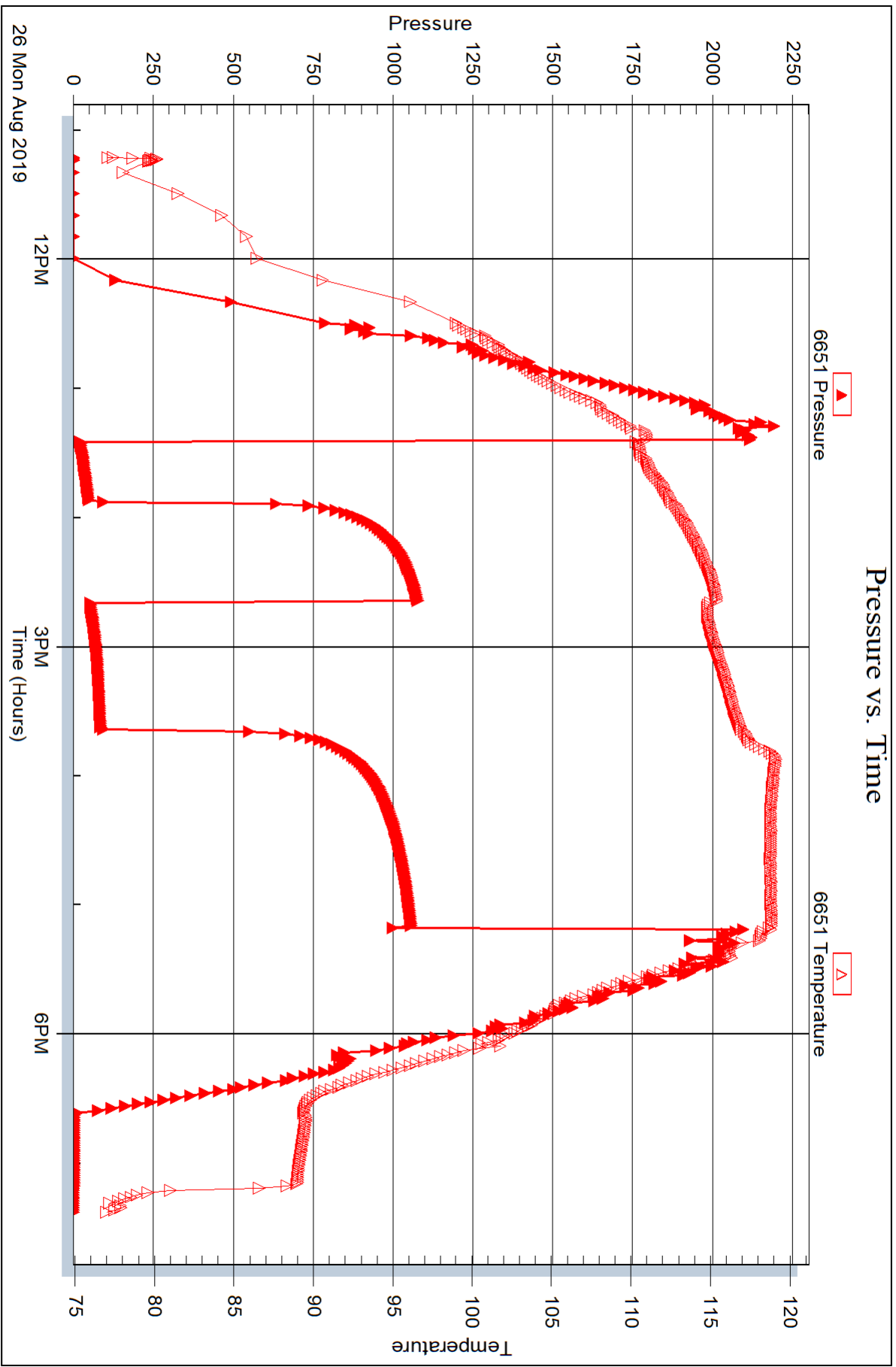
Serial #: 6651

Inside

Abercrombie Energy LLC

Fouser #1-23

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 65249

Printed: 2019.08.30 @ 08:47:50



DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy LLC**

10209 W Central Ste 2
Wichita, KS 67212

ATTN: Kevin Kessler

Fouser #1-23

23-16s-32w Scott,KS

Start Date: 2019.08.27 @ 10:41:12

End Date: 2019.08.27 @ 16:45:42

Job Ticket #: 65250 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.08.30 @ 08:47:26



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Abercrombie Energy LLC

23-16s-32w Scott,KS

10209 W Central Ste 2
Wichita, KS 67212

Fouser #1-23

Job Ticket: 65250

DST#: 2

ATTN: Kevin Kessler

Test Start: 2019.08.27 @ 10:41:12

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:43:12

Time Test Ended: 16:45:42

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4380.00 ft (KB) To 4425.00 ft (KB) (TVD)

Reference Elevations: 2980.00 ft (KB)

Total Depth: 4425.00 ft (KB) (TVD)

2973.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 8166 Outside

Press@RunDepth: 20.61 psig @ 4381.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.08.27 End Date: 2019.08.27

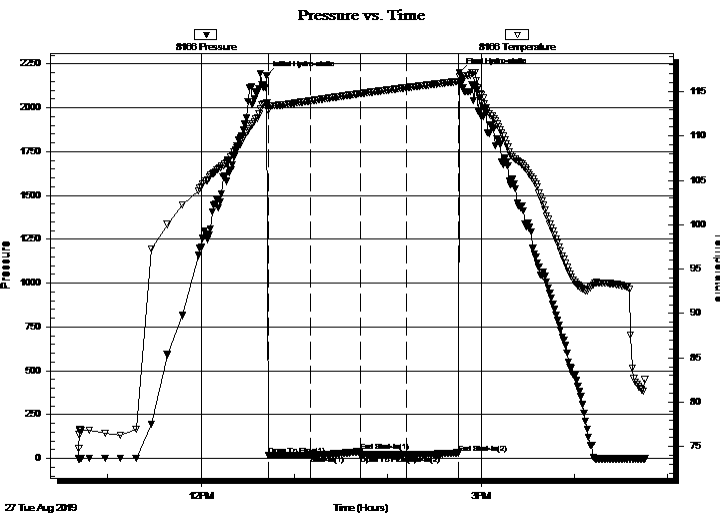
Last Calib.: 2019.08.27

Start Time: 10:41:17 End Time: 16:45:41

Time On Btm: 2019.08.27 @ 12:42:12

Time Off Btm: 2019.08.27 @ 14:46:12

TEST COMMENT: IF: 1/4" blow built to 1/2" died to a 1/4"
IS: No return.
FF: No blow.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2184.03	113.79	Initial Hydro-static
1	19.36	112.84	Open To Flow (1)
28	20.16	113.96	Shut-In(1)
60	38.96	114.76	End Shut-In(1)
61	19.50	114.77	Open To Flow (2)
90	20.61	115.45	Shut-In(2)
123	32.04	116.14	End Shut-In(2)
124	2201.82	116.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%m	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Abercrombie Energy LLC

10209 W Central Ste 2
Wichita, KS 67212

ATTN: Kevin Kessler

23-16s-32w Scott, KS

Fouser #1-23

Job Ticket: 65250 **DST#: 2**

Test Start: 2019.08.27 @ 10:41:12

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:43:12

Time Test Ended: 16:45:42

Interval: 4380.00 ft (KB) To 4425.00 ft (KB) (TVD)

Total Depth: 4425.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Reference Elevations: 2980.00 ft (KB)

2973.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 6651

Inside

Press@RunDepth: psig @ 4381.00 ft (KB)

Start Date: 2019.08.27 End Date: 2019.08.27

Start Time: 10:41:43 End Time: 16:46:07

Capacity: 8000.00 psig

Last Calib.: 2019.08.27

Time On Btm:

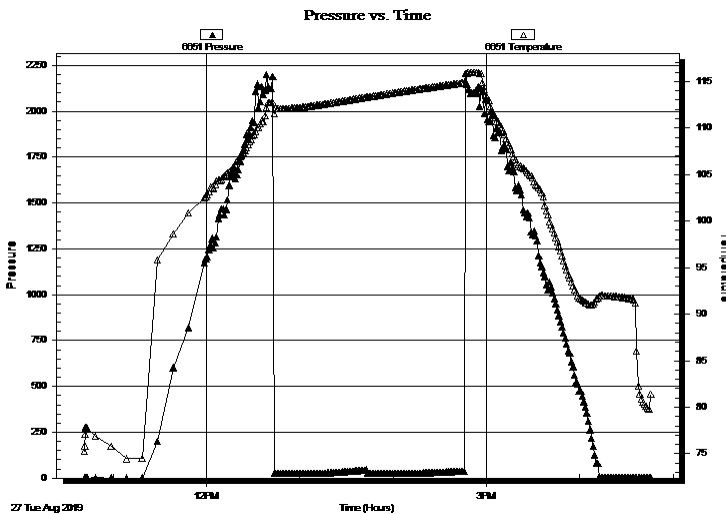
Time Off Btm:

TEST COMMENT: IF: 1/4" blow built to 1/2" died to a 1/4"

IS: No return.

FF: No blow.

FS: No return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%m	0.02

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Abercrombie Energy LLC

23-16s-32w Scott,KS

10209 W Central Ste 2
Wichita, KS 67212

Fouser #1-23

Job Ticket: 65250

DST#: 2

ATTN: Kevin Kessler

Test Start: 2019.08.27 @ 10:41:12

Tool Information

Drill Pipe:	Length: 4264.00 ft	Diameter: 3.80 inches	Volume: 59.81 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 60.41 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 63000.00 lb
Depth to Top Packer:	4380.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	72.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Stubb	1.00			4354.00	
Shut In Tool	5.00			4359.00	
Hydraulic tool	5.00			4364.00	
Jars	5.00			4369.00	
Safety Joint	2.00			4371.00	
Packer	5.00			4376.00	27.00 Bottom Of Top Packer
Packer	4.00			4380.00	
Stubb	1.00			4381.00	
Recorder	0.00	6651	Inside	4381.00	
Recorder	0.00	8166	Outside	4381.00	
Perforations	5.00			4386.00	
Change Over Sub	1.00			4387.00	
Drill Pipe	32.00			4419.00	
Change Over Sub	1.00			4420.00	
Bullnose	5.00			4425.00	45.00 Bottom Packers & Anchor

Total Tool Length: 72.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Abercrombie Energy LLC

23-16s-32w Scott,KS

10209 W Central Ste 2
Wichita, KS 67212

Fouser #1-23

Job Ticket: 65250

DST#: 2

ATTN: Kevin Kessler

Test Start: 2019.08.27 @ 10:41:12

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

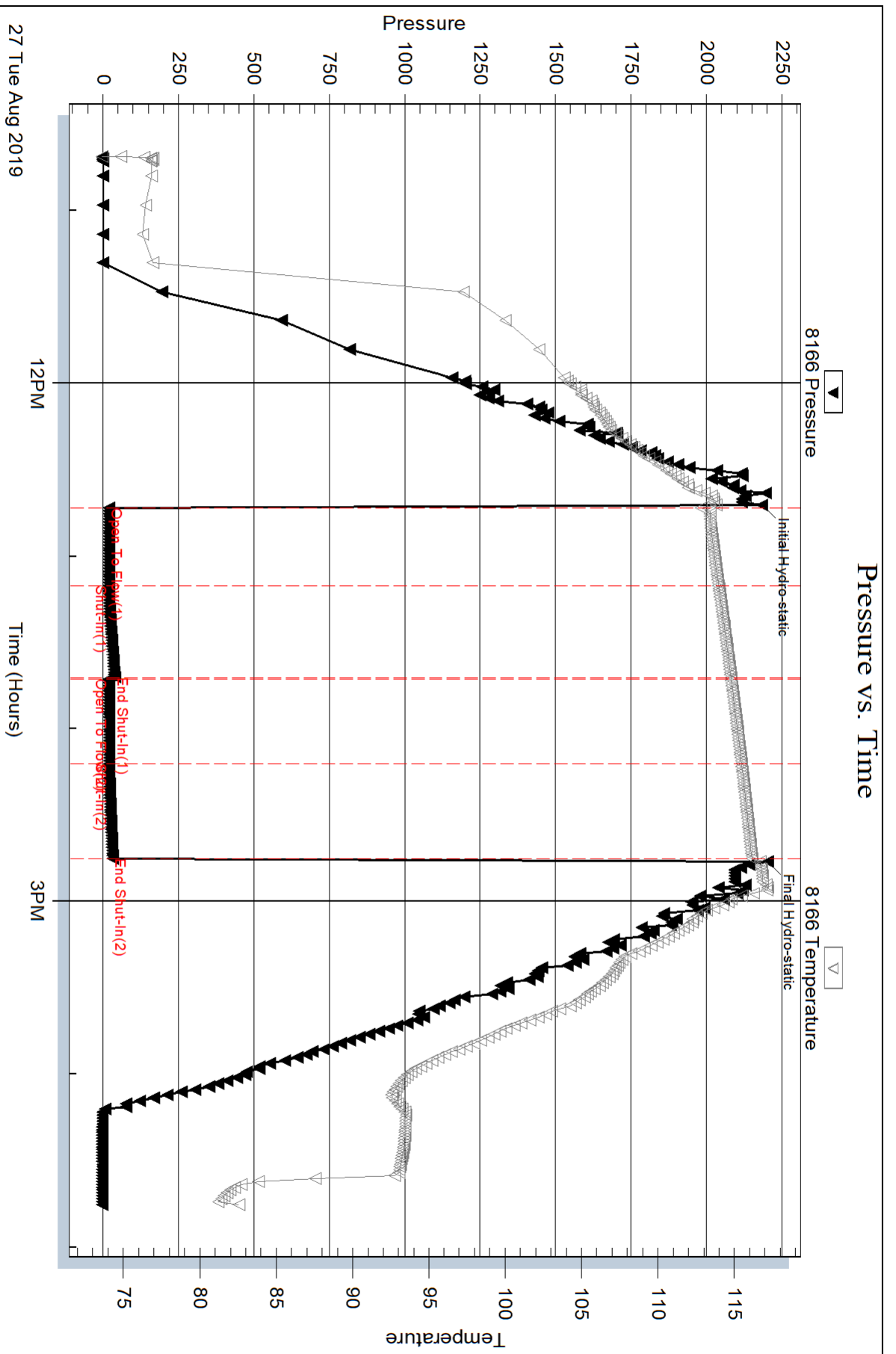
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



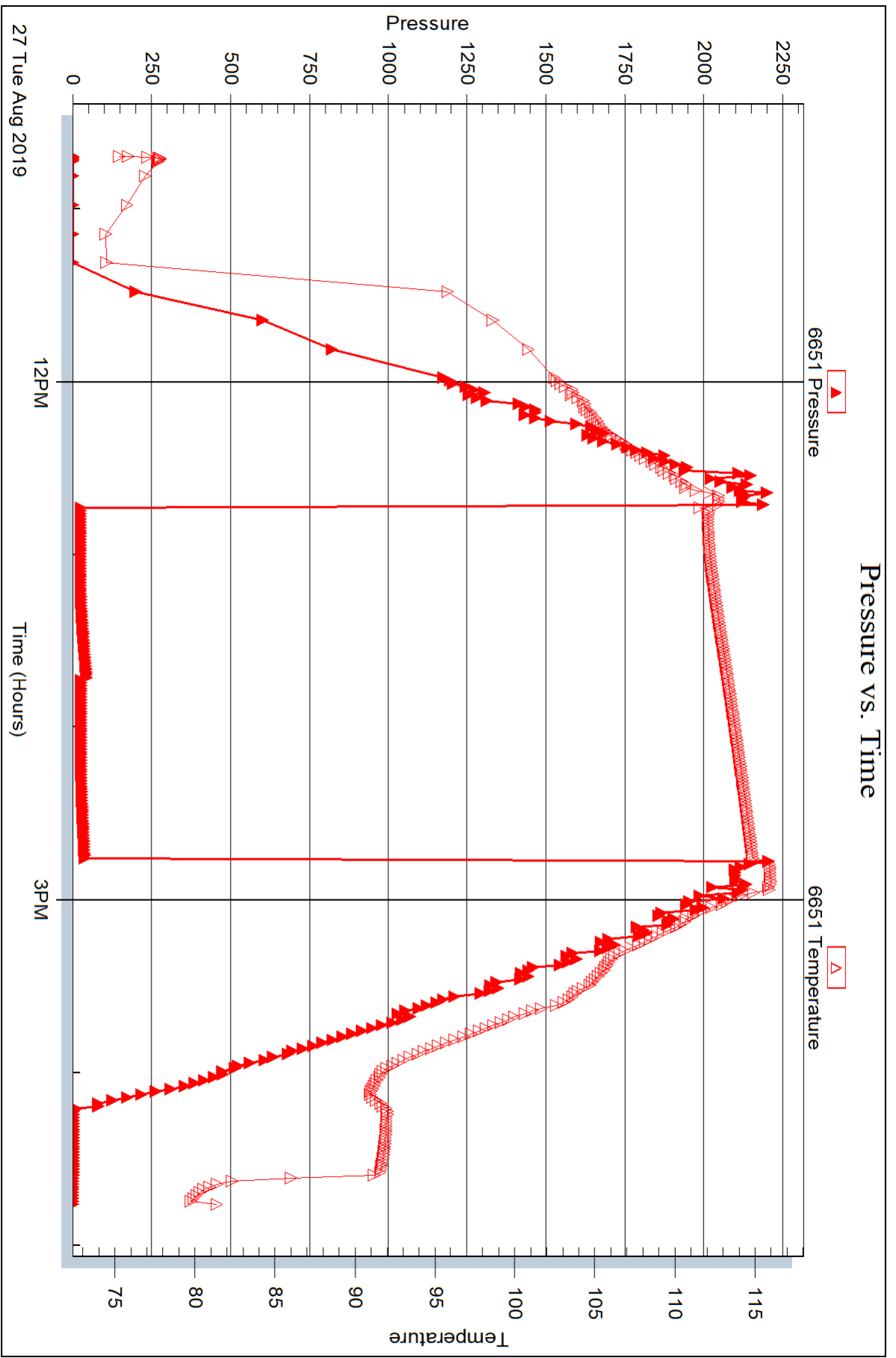
Serial #: 6651

Inside

Abercrombie Energy LLC

Fouser #1-23

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 65250

Printed: 2019.08.30 @ 08:47:27



DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy LLC**

10209 W Central Ste 2
Wichita, KS 67212

ATTN: Kevin Kessler

Fouser #1-23

23-16s-32w Scott,KS

Start Date: 2019.08.28 @ 03:33:11

End Date: 2019.08.28 @ 09:42:11

Job Ticket #: 66051 DST #: 3

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.08.30 @ 08:47:03



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Abercrombie Energy LLC

23-16s-32w Scott,KS

10209 W Central Ste 2
Wichita, KS 67212

Fouser #1-23

ATTN: Kevin Kessler

Job Ticket: 66051

DST#: 3

Test Start: 2019.08.28 @ 03:33:11

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:56:41

Time Test Ended: 09:42:11

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4415.00 ft (KB) To 4470.00 ft (KB) (TVD)

Reference Elevations: 2980.00 ft (KB)

Total Depth: 4470.00 ft (KB) (TVD)

2973.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 8166 Outside

Press@RunDepth: 19.04 psig @ 4416.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.08.28

End Date:

2019.08.28

Last Calib.:

2019.08.28

Start Time: 03:33:16

End Time:

09:42:10

Time On Btm:

2019.08.28 @ 05:56:11

Time Off Btm:

2019.08.28 @ 07:58:41

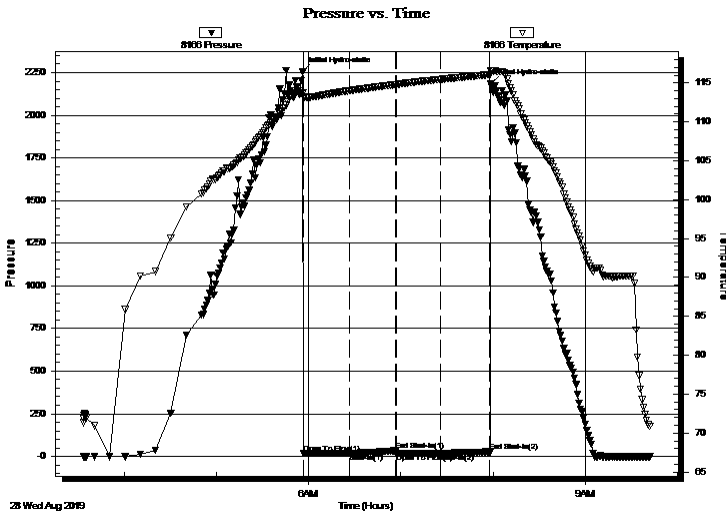
TEST COMMENT: IF: 1/2" blow built to 3/4"

IS: No return.

FF: No blow.

FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2253.79	113.70	Initial Hydro-static
1	17.06	113.16	Open To Flow (1)
30	18.27	113.99	Shut-In(1)
61	33.09	114.79	End Shut-In(1)
61	17.48	114.80	Open To Flow (2)
90	19.04	115.46	Shut-In(2)
122	27.52	116.06	End Shut-In(2)
123	2186.12	116.55	Final Hydro-static

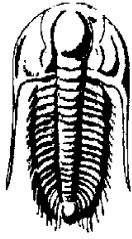
Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%m	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Abercrombie Energy LLC

10209 W Central Ste 2
Wichita, KS 67212

ATTN: Kevin Kessler

23-16s-32w Scott, KS

Fouser #1-23

Job Ticket: 66051

DST#: 3

Test Start: 2019.08.28 @ 03:33:11

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 05:56:41 Tester: Brandon Turley
Time Test Ended: 09:42:11 Unit No: 79

Interval: **4415.00 ft (KB) To 4470.00 ft (KB) (TVD)** Reference Elevations: 2980.00 ft (KB)
Total Depth: 4470.00 ft (KB) (TVD) 2973.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 7.00 ft

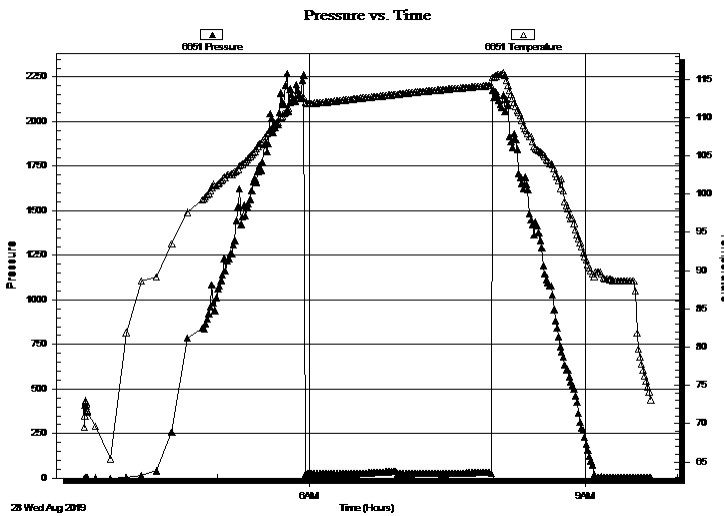
Serial #: 6651

Inside

Press@RunDepth: psig @	4416.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2019.08.28	End Date: 2019.08.28	Last Calib.: 2019.08.28
Start Time: 03:33:38	End Time: 09:42:32	Time On Btm:
		Time Off Btm:

TEST COMMENT: IF: 1/2" blow built to 3/4"
IS: No return.
FF: No blow .
FS: No return.

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%m	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Abercrombie Energy LLC

23-16s-32w Scott, KS

10209 W Central Ste 2
Wichita, KS 67212

Fouser #1-23

Job Ticket: 66051

DST#: 3

ATTN: Kevin Kessler

Test Start: 2019.08.28 @ 03:33:11

Tool Information

Drill Pipe:	Length: 4296.00 ft	Diameter: 3.80 inches	Volume: 60.26 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 60.86 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 63000.00 lb
Depth to Top Packer:	4415.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	82.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Stubb	1.00			4389.00	
Shut In Tool	5.00			4394.00	
Hydraulic tool	5.00			4399.00	
Jars	5.00			4404.00	
Safety Joint	2.00			4406.00	
Packer	5.00			4411.00	27.00 Bottom Of Top Packer
Packer	4.00			4415.00	
Stubb	1.00			4416.00	
Recorder	0.00	6651	Inside	4416.00	
Recorder	0.00	8166	Outside	4416.00	
Perforations	15.00			4431.00	
Change Over Sub	1.00			4432.00	
Drill Pipe	32.00			4464.00	
Change Over Sub	1.00			4465.00	
Bullnose	5.00			4470.00	55.00 Bottom Packers & Anchor

Total Tool Length: 82.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Abercrombie Energy LLC

23-16s-32w Scott,KS

10209 W Central Ste 2
Wichita, KS 67212

Fouser #1-23

Job Ticket: 66051

DST#: 3

ATTN: Kevin Kessler

Test Start: 2019.08.28 @ 03:33:11

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

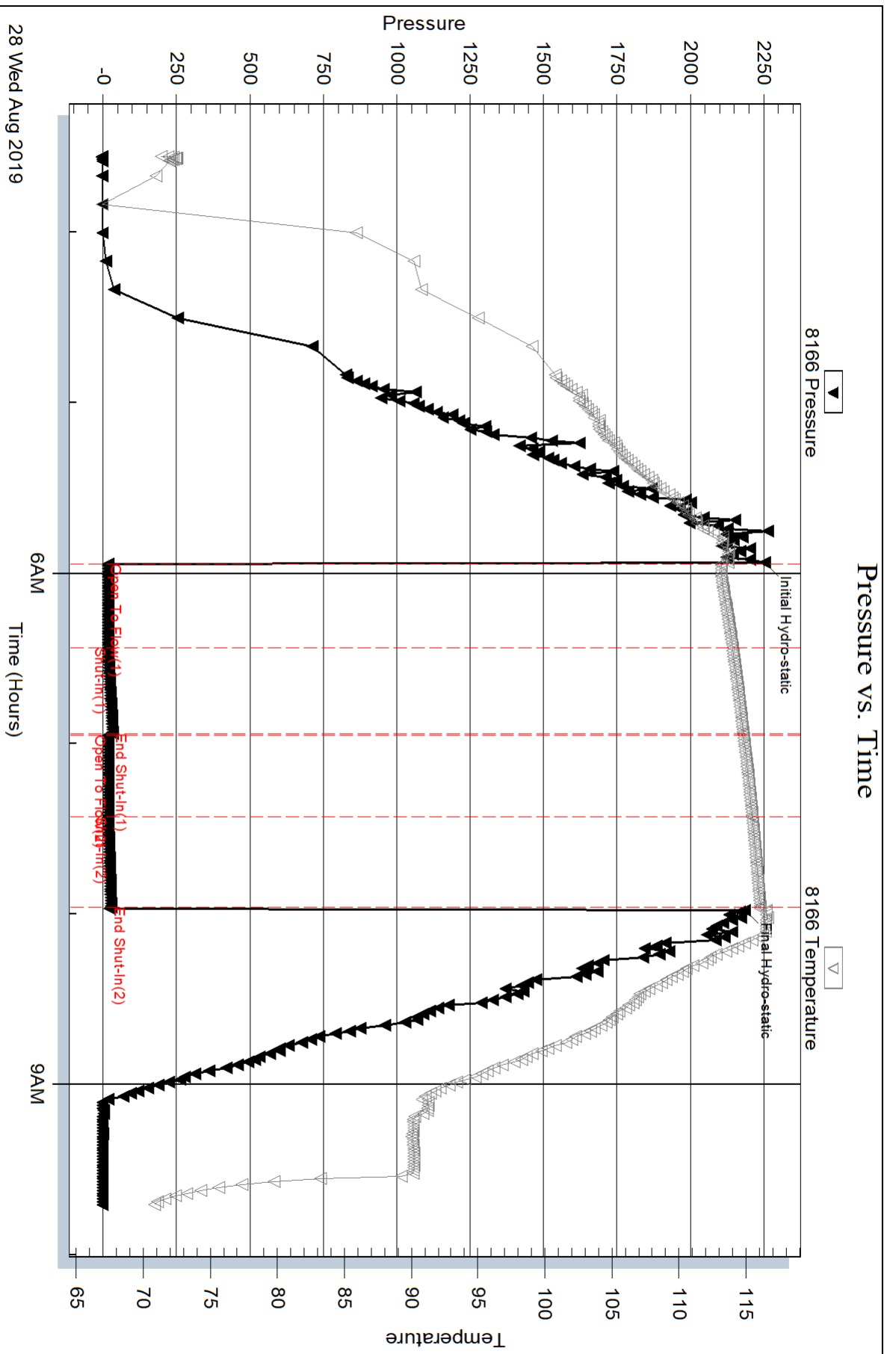
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



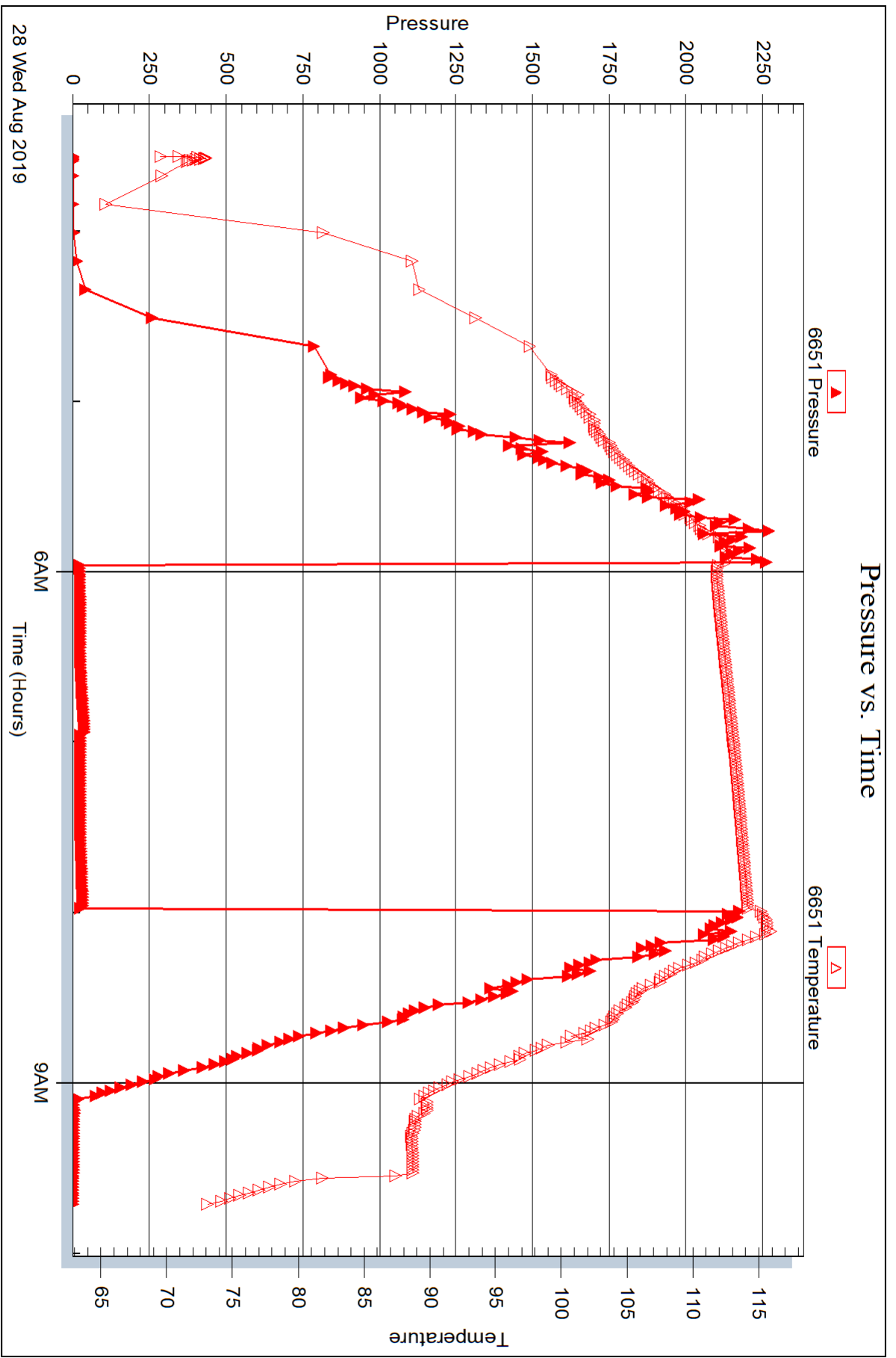
Serial #: 6651

Inside

Abercrombie Energy LLC

Fouser #1-23

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy LLC**

10209 W Central Ste 2
Wichita, KS 67212

ATTN: Kevin Kessler

Fouser #1-23

23-16s-32w Scott,KS

Start Date: 2019.08.28 @ 23:15:11

End Date: 2019.08.29 @ 07:13:41

Job Ticket #: 66052 DST #: 4

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.08.30 @ 08:46:38



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Abercrombie Energy LLC

23-16s-32w Scott,KS

10209 W Central Ste 2
Wichita, KS 67212

Fouser #1-23

ATTN: Kevin Kessler

Job Ticket: 66052

DST#: 4

Test Start: 2019.08.28 @ 23:15:11

GENERAL INFORMATION:

Formation: **Myrick - Ft Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:32:11

Time Test Ended: 07:13:41

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4485.00 ft (KB) To 4550.00 ft (KB) (TVD)

Reference Elevations: 2980.00 ft (KB)

Total Depth: 4550.00 ft (KB) (TVD)

2973.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 8166 Outside

Press@RunDepth: 29.05 psig @ 4486.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.08.28

End Date:

2019.08.29

Last Calib.:

2019.08.29

Start Time:

23:15:16

End Time:

07:13:40

Time On Btm:

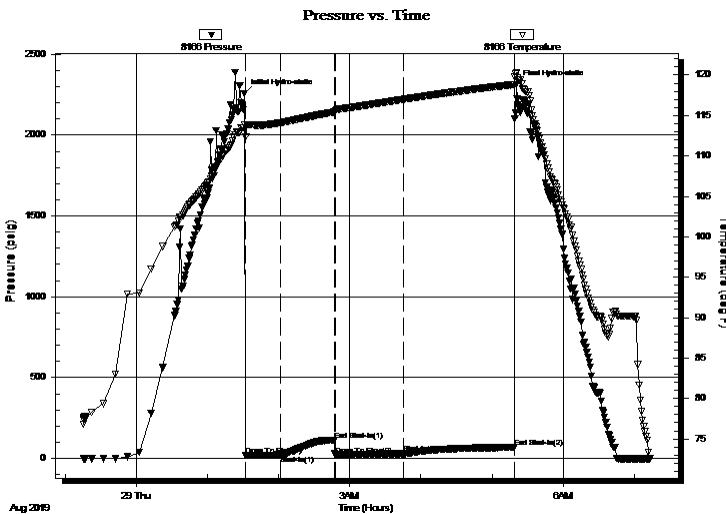
2019.08.29 @ 01:31:11

Time Off Btm:

2019.08.29 @ 05:20:41

TEST COMMENT: IF: 1/2" blow built to 3"
IS: No return.
FF: 3/4" blow built to 3 1/2"
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2256.25	113.79	Initial Hydro-static
1	18.64	112.34	Open To Flow (1)
31	22.32	114.11	Shut-In(1)
76	114.11	115.44	End Shut-In(1)
77	21.22	115.51	Open To Flow (2)
134	29.05	116.99	Shut-In(2)
228	68.06	118.83	End Shut-In(2)
230	2311.91	120.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	gocm 5%g 10%o 85%m	0.10
10.00	go 5%g 95%o	0.05
0.00	156 GIP	0.00

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Abercrombie Energy LLC

23-16s-32w Scott,KS

10209 W Central Ste 2
Wichita, KS 67212

Fouser #1-23

ATTN: Kevin Kessler

Job Ticket: 66052

DST#: 4

Test Start: 2019.08.28 @ 23:15:11

GENERAL INFORMATION:

Formation: **Myrick - Ft Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:32:11

Time Test Ended: 07:13:41

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: **4485.00 ft (KB) To 4550.00 ft (KB) (TVD)**

Reference Elevations: 2980.00 ft (KB)

Total Depth: 4550.00 ft (KB) (TVD)

2973.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: **6651** Inside

Press@RunDepth: psig @ 4486.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.08.28

End Date:

2019.08.29

Last Calib.:

2019.08.29

Start Time: 23:15:31

End Time:

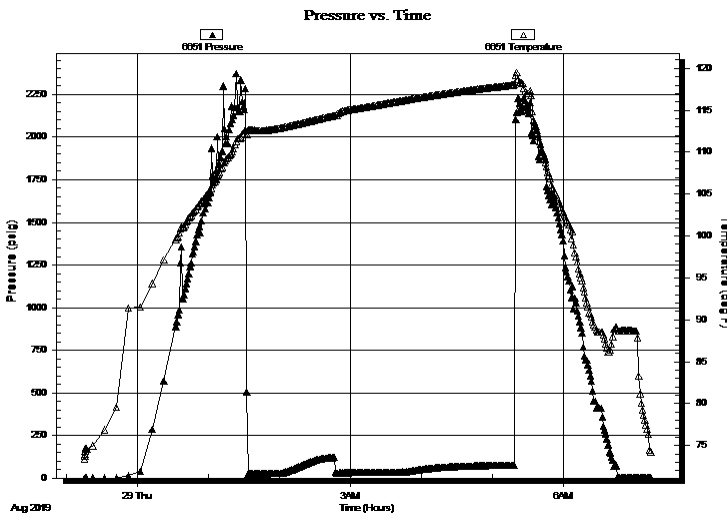
07:13:55

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 1/2" blow built to 3"
IS: No return.
FF: 3/4" blow built to 3 1/2"
FS: No return.

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
20.00	gocm 5%g 10%o 85%m	0.10
10.00	go 5%g 95%o	0.05
0.00	156 GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Abercrombie Energy LLC

23-16s-32w Scott, KS

10209 W Central Ste 2
Wichita, KS 67212

Fouser #1-23

Job Ticket: 66052

DST#: 4

ATTN: Kevin Kessler

Test Start: 2019.08.28 @ 23:15:11

Tool Information

Drill Pipe:	Length: 4359.00 ft	Diameter: 3.80 inches	Volume: 61.15 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 61.75 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4485.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.00 ft			
Tool Length:	92.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Stubb	1.00			4459.00	
Shut In Tool	5.00			4464.00	
Hydraulic tool	5.00			4469.00	
Jars	5.00			4474.00	
Safety Joint	2.00			4476.00	
Packer	5.00			4481.00	27.00 Bottom Of Top Packer
Packer	4.00			4485.00	
Stubb	1.00			4486.00	
Recorder	0.00	6651	Inside	4486.00	
Recorder	0.00	8166	Outside	4486.00	
Perforations	25.00			4511.00	
Change Over Sub	1.00			4512.00	
Drill Pipe	32.00			4544.00	
Change Over Sub	1.00			4545.00	
Bullnose	5.00			4550.00	65.00 Bottom Packers & Anchor

Total Tool Length: 92.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Abercrombie Energy LLC

23-16s-32w Scott,KS

10209 W Central Ste 2
Wichita, KS 67212

Fouser #1-23

Job Ticket: 66052

DST#: 4

ATTN: Kevin Kessler

Test Start: 2019.08.28 @ 23:15:11

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	gocm 5%g 10%o 85%m	0.098
10.00	go 5%g 95%o	0.049
0.00	156 GIP	0.000

Total Length: 30.00 ft Total Volume: 0.147 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

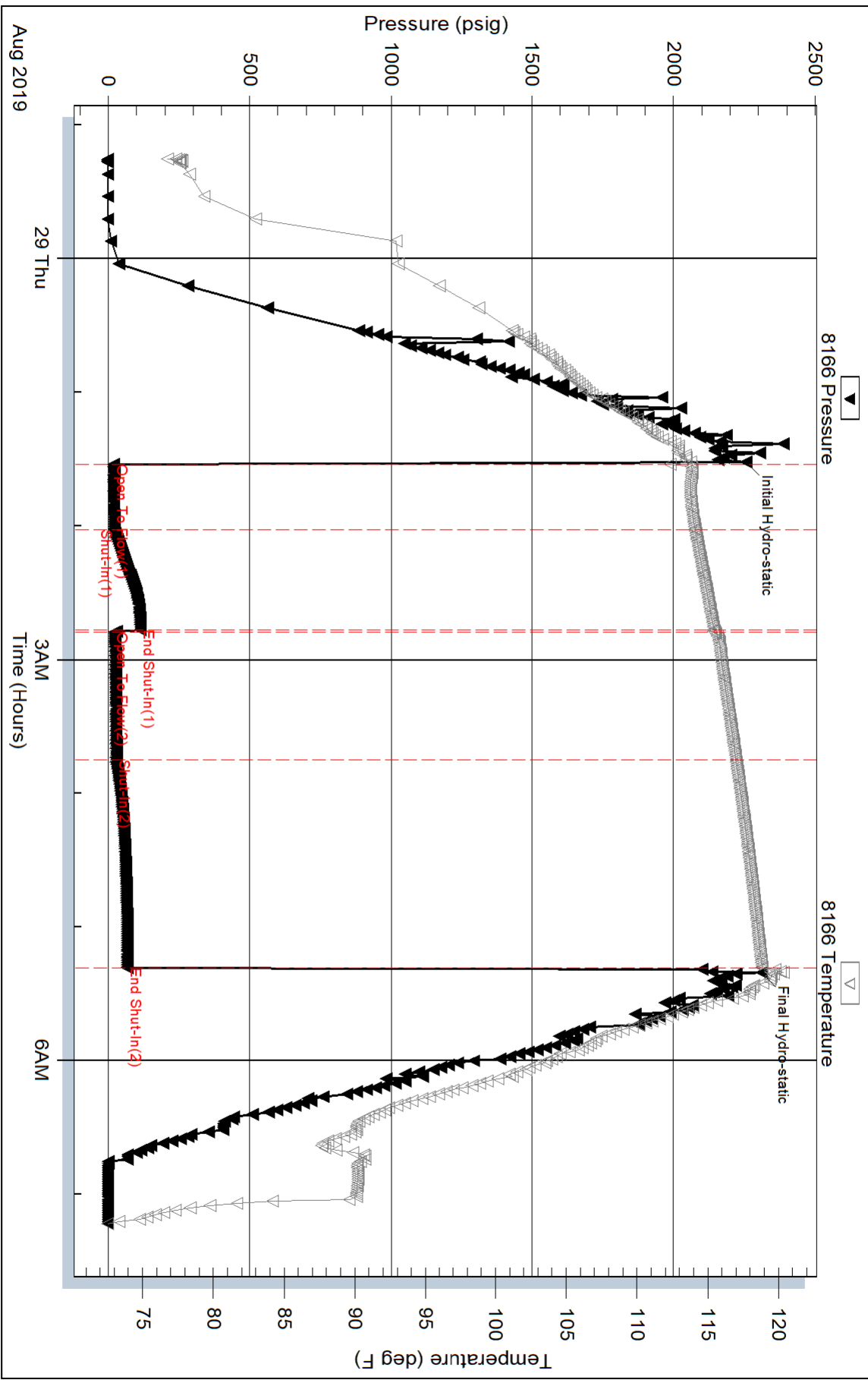
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 35@60=35

Pressure vs. Time



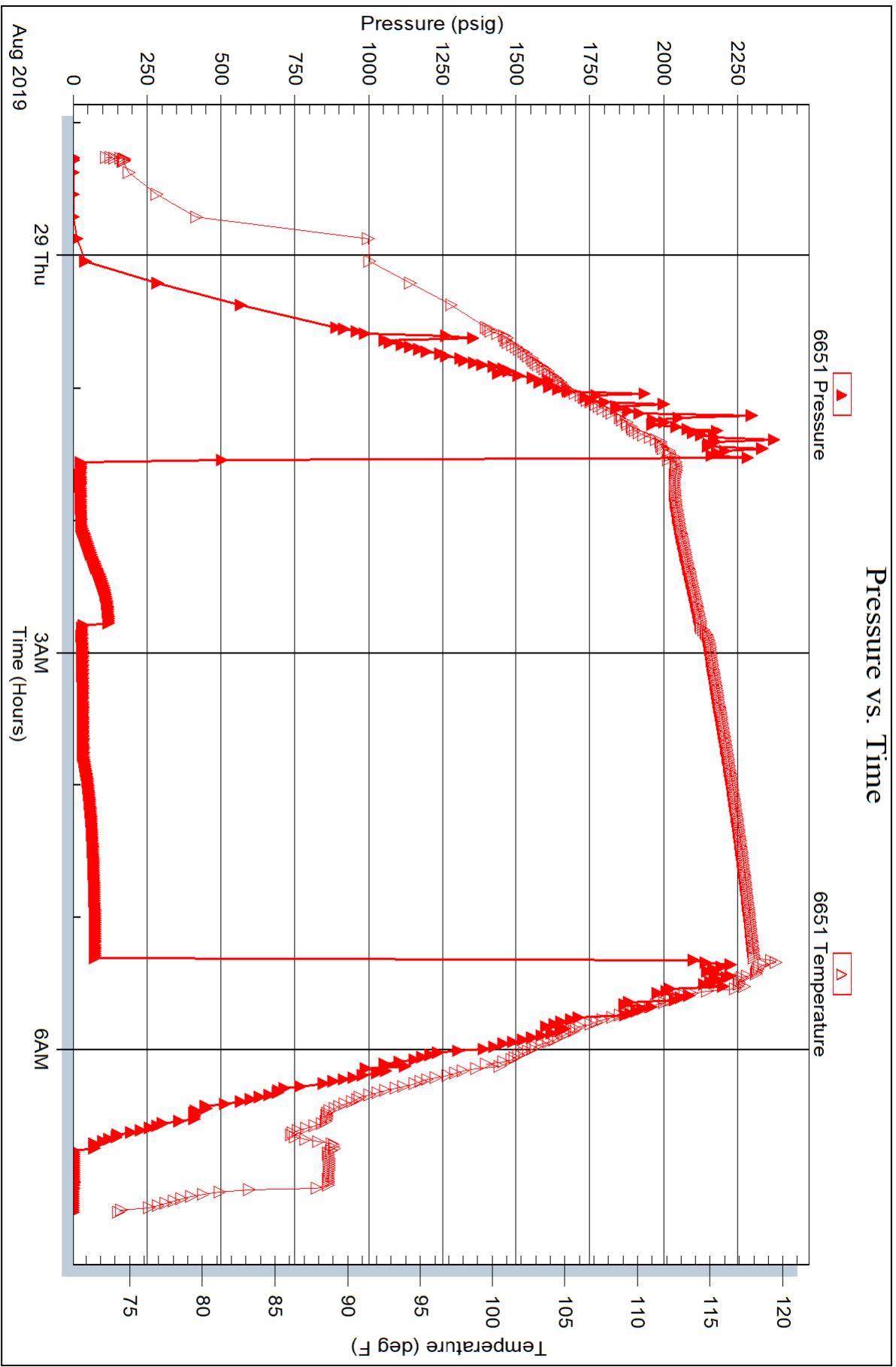
Serial #: 6651

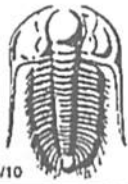
Inside

Abercrombie Energy LLC

Fouser #1-23

DST Test Number: 4





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65249

Well Name & No. Fo4ser 1-23 Test No. 1 Date 8-26-19
 Company Abercrombie Energy LLC Elevation 2980 KB 2973 GL
 Address 10209 W Century Ste 2 Wichita, KS 67212
 Co. Rep / Geo. Kevin Kessler Rig STP #1
 Location: Sec. 23 Twp 16S Rge. 32W Co. Scott State KS

Interval Tested 4300 4320 Zone Tested Lansing L Middle creek
 Anchor Length 20 Drill Pipe Run 4170 Mud Wt. 9.0
 Top Packer Depth 4295 Drill Collars Run 121 Vis 59
 Bottom Packer Depth 4300 Wt. Pipe Run --- WL 6.4
 Total Depth 4320 Chlorides 2000 ppm System LCM 2
 Blow Description ±F: 1/4 blow built to 2 1/2.
±S: No return.
F±: 1/4 blow built to 3.
F±: No return.

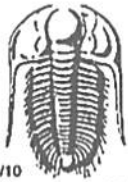
Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>wcm</u>		<u>40</u>	<u>60</u>	
<u>121</u>	<u>MCW</u>		<u>90</u>	<u>10</u>	

Rec Total 151 BHT 119 Gravity --- API RW ,23 @ 84 °F Chlorides 25,000 ppm

(A) Initial Hydrostatic <u>2108</u>	<input checked="" type="checkbox"/> Test 1300	T-On Location <u>4:00 10:50</u>
(B) First Initial Flow <u>16</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>11:12</u>
(C) First Final Flow <u>43</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>13:23</u>
(D) Initial Shut-In <u>1070</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>17:08</u>
(E) Second Initial Flow <u>46</u>	<input checked="" type="checkbox"/> Hourly Standby 2h 200	T-Out <u>19:22</u>
(F) Second Final Flow <u>79</u>	<input checked="" type="checkbox"/> Mileage <u>36-x2</u> 72	Comments <u>was told</u>
(G) Final Shut-In <u>1050</u>	<input type="checkbox"/> Sampler	<u>No short trip got</u>
(H) Final Hydrostatic <u>2160</u>	<input type="checkbox"/> Straddle	<u>to the rig just got on bottom</u>
	<input type="checkbox"/> Shale Packer	<u>with short trip NO call</u>
	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Day Standby	<input type="checkbox"/> Extra Copies
Final Flow <u>60</u>	<input type="checkbox"/> Accessibility	Sub Total <u>0</u>
Final Shut-In <u>90</u>	Sub Total <u>1897</u>	Total <u>1897</u>

Approved By Kevin Kessler 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. 65250

Well Name & No. Fouser 1-23 Test No. 2 Date 8-27-19
 Company Abercrombie Energy LLC Elevation 2980 KB 2973 GL
 Address _____
 Co. Rep / Geo. Kevin Kessler Rig STP #1
 Location: Sec. 23 Twp 16S Rge. 32W Co. Scott State KS

Interval Tested 4380 4425 Zone Tested Marmaton
 Anchor Length 45 Drill Pipe Run 4264 Mud Wt. 8.9
 Top Packer Depth 4375 Drill Collars Run 121 Vis 52
 Bottom Packer Depth 4380 Wt. Pipe Run _____ WL 7.2
 Total Depth 4425 Chlorides 3300 ppm System LCM 2
 Blow Description IF: 1/4 blow built to 1/2 died to 1/4.
IS: No return.
FK: No blow.
FS: No return.

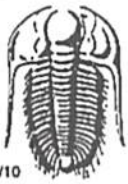
Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 116 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2184</u>	<input checked="" type="checkbox"/> Test 1300	T-On Location <u>10:15</u>
(B) First Initial Flow <u>19</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>10:41</u>
(C) First Final Flow <u>20</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>12:43</u>
(D) Initial Shut-In <u>38</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>14:43</u>
(E) Second Initial Flow <u>19</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>16:47</u>
(F) Second Final Flow <u>20</u>	<input checked="" type="checkbox"/> Mileage <u>36-36</u>	Comments _____
(G) Final Shut-In <u>32</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> EM Tool
(H) Final Hydrostatic <u>2201</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1661</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total <u>1661</u>	

Approved By Kevin Kessler Our Representative _____

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 66051

NO.

Well Name & No. Fouzer 1-23 Test No. 3 Date 8-28-19
 Company Abercrombie Energy LLC Elevation 2980 KB 2973 GL
 Address _____
 Co. Rep / Geo. Kevin Kessler Rig STP #1
 Location: Sec. 23 Twp 165 Rge. 32W Co. Scott State KS

Interval Tested 4415 4470 Zone Tested Marmaton
 Anchor Length 55 Drill Pipe Run 4296 Mud Wt. 9.1
 Top Packer Depth 4410 Drill Collars Run 121 Vis 52
 Bottom Packer Depth 4415 Wt. Pipe Run _____ WL 8.8
 Total Depth 4470 Chlorides 4000 ppm System LCM 2
 Blow Description IF: 1/2 blow built to 3/4.
IS: No return.
FF: No blow.
FS: No return.

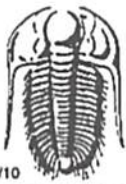
Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 116 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2253</u>	<input checked="" type="checkbox"/> Test 1300	T-On Location <u>2:10</u>
(B) First Initial Flow <u>17</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>3:33</u>
(C) First Final Flow <u>18</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>5:56</u>
(D) Initial Shut-In <u>33</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIL</u>	T-Pulled <u>7:56</u>
(E) Second Initial Flow <u>17</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>9:45</u>
(F) Second Final Flow <u>19</u>	<input checked="" type="checkbox"/> Mileage <u>36</u> 36	Comments _____
(G) Final Shut-In <u>27</u>	<input type="checkbox"/> Sampler	_____
(H) Final Hydrostatic <u>2186</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> EM Tool
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1661</u>
	Sub Total <u>1661</u>	MP/DST Disc't _____

Approved By Kevin Kessler Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket 66052

NO.

Well Name & No. Foyser 1-23 Test No. 4 Date 8-29-19
 Company Abercrombie Energy LLC Elevation 2980 KB 2973 GL
 Address _____
 Co. Rep / Geo. Kevin Kessler Rig STP #1
 Location: Sec. 23 Twp 16S Rge. 32W Co. Scott State KS

Interval Tested 4485 4550 Zone Tested Myrick - Ft Scott
 Anchor Length 65 Drill Pipe Run 4359 Mud Wt. 9.2
 Top Packer Depth 4480 Drill Collars Run 121 Vis 54
 Bottom Packer Depth 4485 Wt. Pipe Run _____ WL 9.6
 Total Depth 4550 Chlorides 4100 ppm System LCM 1

Blow Description IF: 1/2 blow built to 3,
IS: No return.
FP: 3/4 blow built to 3 1/2.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>90</u>	<u>5</u>	<u>95</u>		
<u>20</u>	<u>90cm</u>	<u>5</u>	<u>10</u>	<u>85</u>	
<u>156</u>	<u>GIP</u>				

Rec Total 30 BHT 118 Gravity 35 API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2256 Test 1300 T-On Location 22:40
 (B) First Initial Flow 18 Jars 250 T-Started 23:15
 (C) First Final Flow 22 Safety Joint 75 T-Open 1:37
 (D) Initial Shut-In 114 Circ Sub NIC T-Pulled 5:17
 (E) Second Initial Flow 21 Hourly Standby _____ T-Out 7:15
 (F) Second Final Flow 29 Mileage 36 - 72 Comments _____
 (G) Final Shut-In 68 Sampler _____
 (H) Final Hydrostatic 2311 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 60
 Final Shut-In 90

Sub Total 1697 MP/DST Disc't _____

Approved By Kevin Kessler Our Representative [Signature]

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TRILOBITE TESTING

Machine Shop

Toll Free (24 hr.) 800-728-5369

Hays, FAX# (785) 625-5620

www.trilobitetesting.com

trilobite@eaglecom.net

Hays, Kansas
Pratt, Kansas
Scott City, Kansas
Hugoton, Kansas
Oberlin, Kansas

DST #1

4:00 when showed up
left at 7:00

back at 10:50

done at 7:22 pm

ran two short trips
when they werent going
to short trip at all.