

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1364357
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: _____

1364357

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: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Commingled <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Formation Tops

Formation	DK Operating, Inc. Tull #1-18 Sec. 18 T21s R22w 1250' FNL & 778' FWL
Anhydrite	1440' +839
Base	1483' +796
Heebner	3710' -1431
Lansing	3761' -1482
BKC	4081' -1802
Marmaton	4120' -1841
Pawnee	4199' -1920
Fort Scott	4267' -1988
Cherokee	4293' -2014
Mississippian	4351' -2072
Osage	4362' -2083
RTD	4371' -2092

Sample Zone Descriptions

- Fort Scott** (4267', -1988): **Covered in DST 2**
 Ls – Fine crystalline with poor to fair inter-crystalline porosity, light spotted oil stain with scattered very light saturation, no show of free oil, light odor, good spotted fluorescents
- Miss Osage** (4351', -2072): **Covered in DST #1**
 Δ – Weathered in part, mostly fresh with scattered fair to good vuggy porosity, slightly dolomitic, fine crystalline, light to fair oil stain in porosity and in dolomite, slight show of free oil, good odor.

36860
-2661
37-2881



HURRICANE SERVICES INC

104 Prairie Plaza Parkway
Garnett, KS 66032
Ph: 785-448-3100
Fax: 785-448-3102

FED ID# 48-1214033
MC ID# 165290

Remit to: Hurricane Services, Inc.
250 N. Water, Suite 200
Wichita, KS 67202

*6-6-17
ck # 2864
9242*

Customer:
DK OPERATING INC
621 BENTON ST
JETMORE, KS 67854-5311

Invoice Date: 5/13/2017
Invoice #: 0031041
Lease Name: TULL
Well #: 1-18
County: HODGEMAN

Date/Description	HRS/QTY	Rate	Total
Ticket 100735 223' Surface	0.000	0.000	0.00
Light Eq mileage one way	75.000	1.080	81.00
Heavy Eq mileage one way	150.000	2.340	351.00
Ton Mileage one way #242	594.000	0.936	555.98
Regular class A cement	165.000	11.700	1,930.50
Bentonite Gel	310.000	0.216	66.96
Calcium chloride	465.000	0.720	334.80
Pheno Seal	41.000	1.224	50.18
Cementer #231	1.000	684.000	684.00

*816-303-9515
Tanya*

*437-7582
Joe*

Net Invoice	4,054.42
Sales Tax: (7.65%)	147.68
Total	4,202.10

All invoices are due upon receipt. Interest at the rate of 1 1/2% per month may be charged on all invoices not paid within 30 days from date of invoice.

WE APPRECIATE YOUR BUSINESS!

TREATMENT REPORT



HURRICANE SERVICES INC

Customer:	DK Operating	Date:	5/13/2017	Ticket No.:	100735
Field Rep:	Mike Kern				
Address:					
City, State:					
County, Zip:					

Field Order No.:	100735	Open Hole:		Perf Depths (ft)	Perfs
Well Name:	Tull # 1-18	Casing Depth:	222'		
Location:	Jetmore Ks.	Casing Size:	8 5/8 23 Lb		
Formation:		Tubing Depth:			
Type of Service:	Surface	Tubing Size:			
Well Type:	Oil	Liner Depth:			
Age of Well:	New	Liner Size:			
Packer Type:		Liner Top:			
Packer Depth:		Liner Bottom:			
Treatment Via:	Casing	Total Depth:	223'		
				Total Perfs	0

TIME	INJECTION RATE		PRESSURE		REMARKS	PROP (lbs)	HCL (gls)	FLUID (bbls)
	FLUID	N2/CO2	STP	ANNULUS				
12:15 PM					Called Out			
3:15 PM					On Location Rig circulating			
3:30 PM					Hold Safety Meeting Spot & Set Up Trucks			
					TD= 223' TP=222' SJ=20'			
4:10 PM					Start Casing			
5:05 PM					Casing On bottom			
5:15 PM					Hook Up To Casing Break Circulation W/Rig			
5:20 PM	3.5		150.0		Start Pumping H2O			10.00
5:27 PM	3.5		150.0		Start Mix & Pump 165 Sk Common 2% Gel 3% C.C. 1/4 PS			
					15 Lb/Gal Yield 1.37			40.25
	3.5		150.0		Start Displacemnet H2O			
5:45 PM					Shut Down			12.80
			200.0		Close Vavle on Casing			
					Good Circulation Thru Job			
					Circulate Cement To Pit			
6:15 PM					Off Location			
					Thank You Please Call Again			
					Tony Cody Sheldon Todd			
TOTAL:						-	-	63.05

SUMMARY

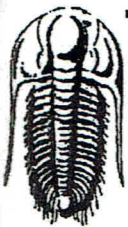
Max Fl. Rate	Avg Fl. Rate	Max PSI	Avg PSI
3.5	3.5	200.0	162.5

PRODUCTS USED

165 Sacks Common 2% Gel 3% C.C. 1/4 Lb Phenoseal

Treater: Todd Seba

Customer: Mike Kern



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

DK Operating, Inc.

18-21S-22W Hodgeman, KS

621 Benton St.
Jetmore, KS 67854

Tull #1-18

Job Ticket: 63191 **DST#: 1**

ATTN: Jason T. Alm

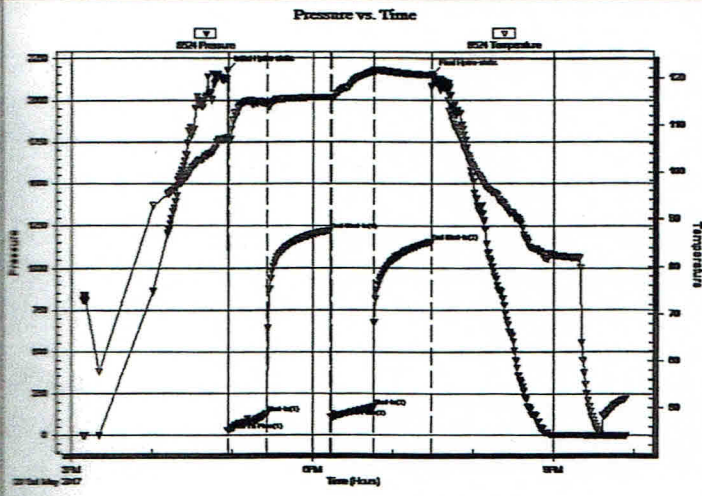
Test Start: 2017.05.20 @ 15:08:50

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:57:11
 Time Test Ended: 21:54:26
 Interval: **4311.00 ft (KB) To 4371.00 ft (KB) (TVD)**
 Total Depth: 4371.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brannan Lonsdale
 Unit No: 73
 Reference Elevations: 2279.00 ft (KB)
 2272.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: **8524** **Outside**
 Press@RunDepth: 169.43 psig @ 4336.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.05.20 End Date: 2017.05.20 Last Calib.: 2017.05.20
 Start Time: 15:08:51 End Time: 21:54:26 Time On Btm: 2017.05.20 @ 16:56:56
 Time Off Btm: 2017.05.20 @ 19:28:56

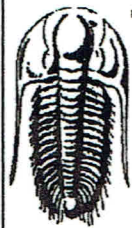
TEST COMMENT: 30- IF- BOB 16 mins
 45- IS- No blow
 30- FF- BOB 23 mins
 45- FS- No blow



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2180.34	107.27	Initial Hydro-static
1	30.53	106.41	Open To Flow (1)
29	134.15	114.49	Shut-In(1)
77	1223.41	115.79	End Shut-In(1)
77	108.08	115.50	Open To Flow (2)
109	169.43	121.34	Shut-In(2)
152	1156.01	120.55	End Shut-In(2)
152	2158.18	120.85	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
64.00	OCMW, 10%O 60%W 30%M	0.91
127.00	WOCM, 10%O 15%W 75%M	1.80
143.00	SOCM, 10%O 90%M	2.03

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

DK Operating, Inc.
621 Benton St.
Jetmore, KS 67854
ATTN: Jason T. Alm

18-21S-22W Hodgeman, KS
Tull #1-18
Job Ticket: 63191 **DST#: 1**
Test Start: 2017.05.20 @ 15:08:50

Tool Information

Drill Pipe:	Length: 4310.00 ft	Diameter: 3.82 inches	Volume: 61.10 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 57000.00 lb
Depth to Top Packer:	4311.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	87.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4285.00	
Shut In Tool	5.00			4290.00	
Hydraulic tool	5.00			4295.00	
Jars	5.00			4300.00	
Safety Joint	2.00			4302.00	
Packer	5.00			4307.00	27.00 Bottom Of Top Packer
Packer	4.00			4311.00	
Stubb	1.00			4312.00	
Perforations	23.00			4335.00	
Change Over Sub	1.00			4336.00	
Recorder	0.00	6838	Inside	4336.00	
Recorder	0.00	8524	Outside	4336.00	
Drill Pipe	31.00			4367.00	
Change Over Sub	1.00			4368.00	
Bullnose	3.00			4371.00	60.00 Bottom Packers & Anchor
Total Tool Length:	87.00				



TRIOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

DK Operating, Inc.
621 Benton St.
Jesimore, KS 67854
ATTN: Jason T. Alm

18-21S-22W Hodgeman, KS
Tull #1-18
Job Ticket: 63191
DST#: 1
Test Start: 2017.05.20 @ 15:08:50

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 27 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 28000 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.38 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4000.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
64.00	OCMW, 10%O 60%W 30%M	0.907
127.00	WOCM, 10%O 15%W 75%M	1.800
143.00	SOCM, 10%O 90%M	2.027

Total Length: 334.00 ft Total Volume: 4.734 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW: .28@58deg

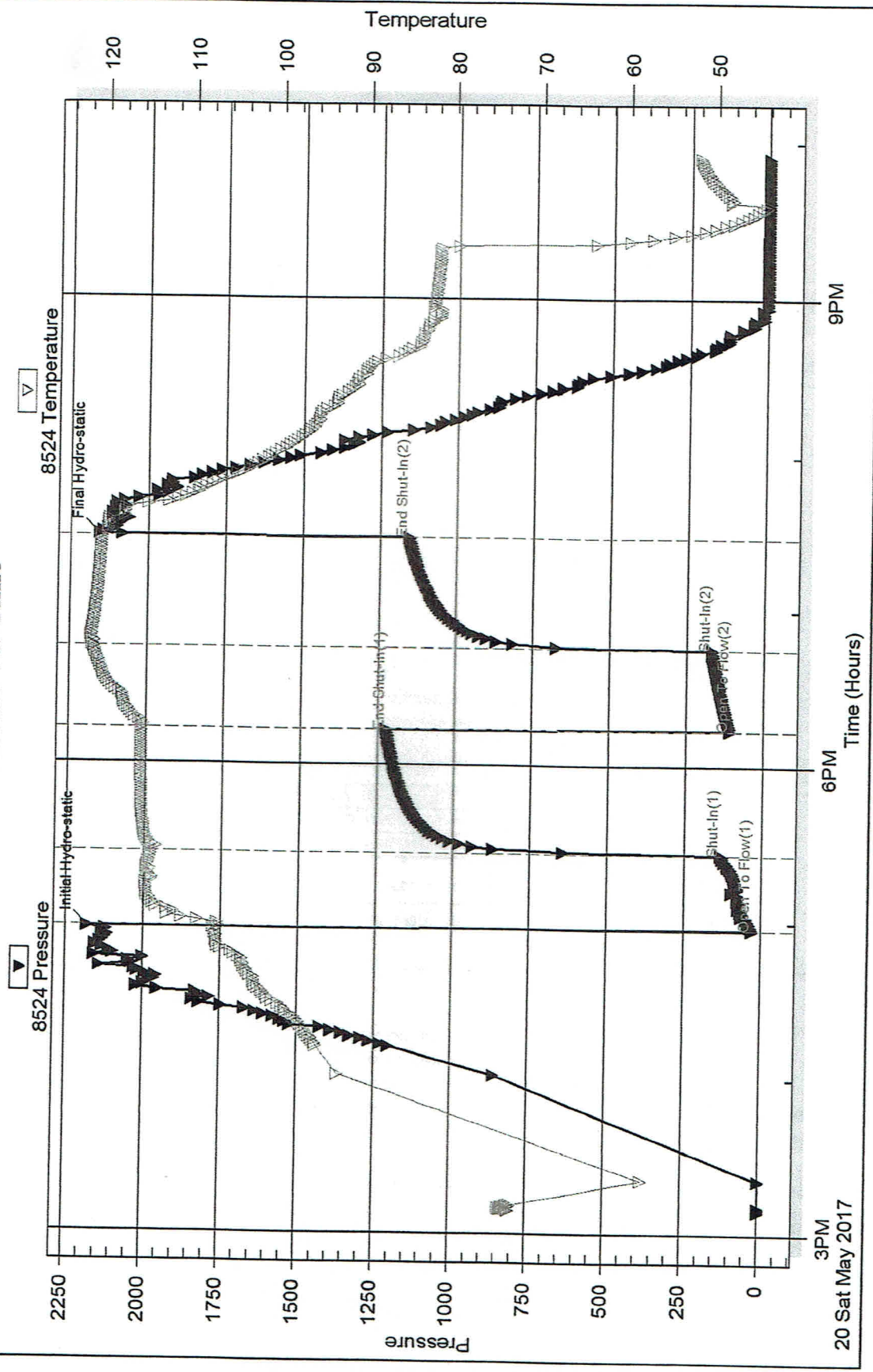
Serial #: 8524

Outside DK Operating, Inc.

Tull #1-18

DST Test Number: 1

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 63191

Printed: 2017.05.22 @ 08:37:04

Serial #: 6838

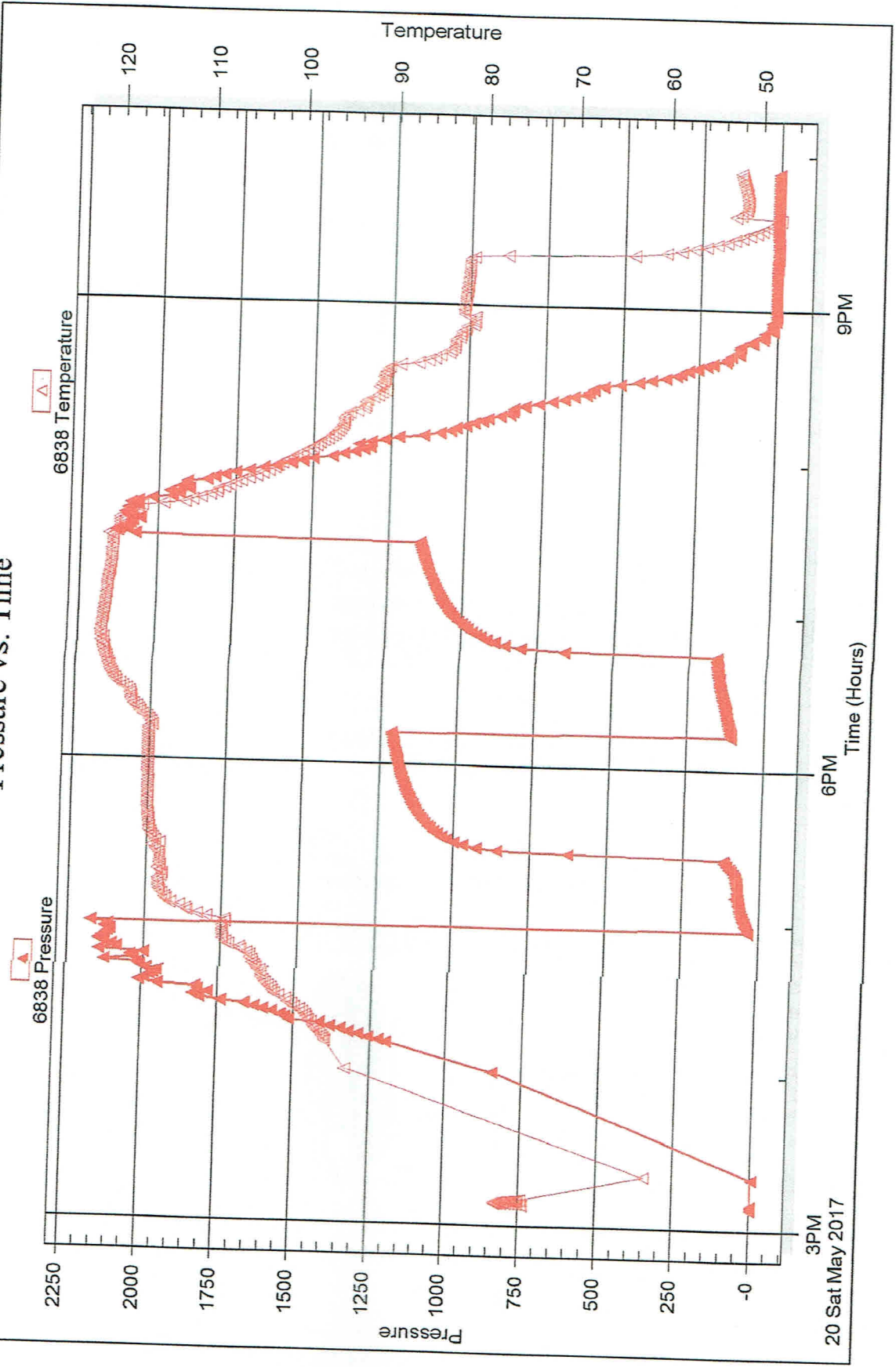
Inside

DK Operating, Inc.

Tull #1-18

DST Test Number: 1

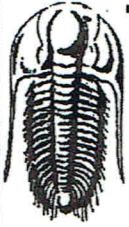
Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 63191

Printed: 2017.05.22 @ 08:37:04



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

DK Operating, Inc.

18-21S-22W Hodgeman, KS

621 Benton St.
Jetmore, KS 67854

Tull #1-18

Job Ticket: 63192

DST#: 2

ATTN: Jason T. Alm

Test Start: 2017.05.20 @ 22:35:24

GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:17:45

Time Test Ended: 05:45:30

Test Type: Conventional Straddle (Reset)

Tester: Brannan Lonsdale

Unit No: 73

Interval: 4245.00 ft (KB) To 4290.00 ft (KB) (TVD)

Reference Elevations: 2279.00 ft (KB)

Total Depth: 4371.00 ft (KB) (TVD)

2272.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8524

Outside

Press@RunDepth: 49.19 psig @ 4249.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.05.20

End Date:

2017.05.21

Last Calib.: 2017.05.21

Start Time: 22:35:25

End Time:

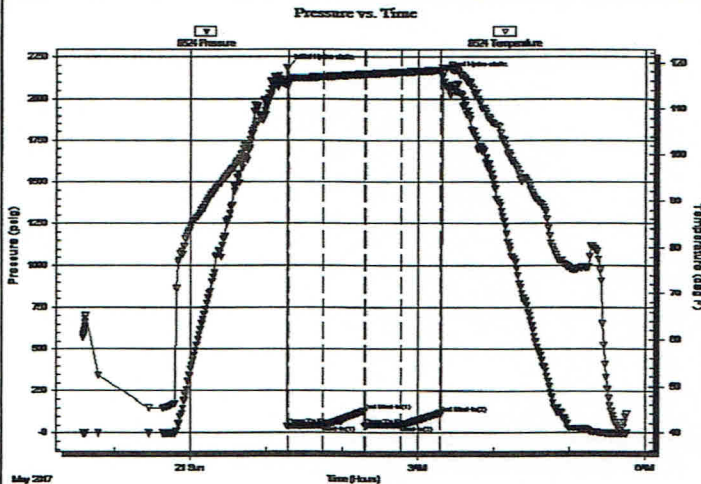
05:45:30

Time On Btm: 2017.05.21 @ 01:17:00

Time Off Btm: 2017.05.21 @ 03:19:00

TEST COMMENT: 30- IF- Weak blow built slowly to 3"
30- IS- No blow
30- FF- Weak blow built slowly to 3"
30- FS- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2184.15	116.07	Initial Hydro-static
1	41.08	116.20	Open To Flow (1)
28	46.46	116.86	Shut-In(1)
61	131.80	117.44	End Shut-In(1)
62	41.65	117.43	Open To Flow (2)
90	49.19	117.87	Shut-In(2)
121	118.82	118.33	End Shut-In(2)
122	2140.97	118.92	Final Hydro-static

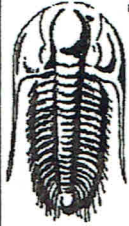
Recovery

Length (ft)	Description	Volume (bbl)
30.00	SOCM, 5%O 95%M	0.43

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

DK Operating, Inc.

18-21S-22W Hodgeman, KS

621 Benton St.
Jetmore, KS 67854

Tull #1-18

Job Ticket: 63192

DST#: 2

ATTN: Jason T. Alm

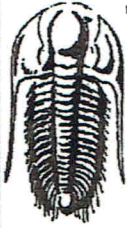
Test Start: 2017.05.20 @ 22:35:24

Tool Information

Drill Pipe:	Length: 4248.00 ft	Diameter: 3.82 inches	Volume: 60.22 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 61000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	4245.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	4290.00 ft			
Interval between Packers:	45.00 ft			
Tool Length:	153.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4219.00	
Shut In Tool	5.00			4224.00	
Hydraulic tool	5.00			4229.00	
Jars	5.00			4234.00	
Safety Joint	2.00			4236.00	
Packer	5.00			4241.00	27.00 Bottom Of Top Packer
Packer	4.00			4245.00	
Stubb	1.00			4246.00	
Perforations	2.00			4248.00	
Change Over Sub	1.00			4249.00	
Recorder	0.00	6838	Inside	4249.00	
Recorder	0.00	8524	Outside	4249.00	
Drill Pipe	31.00			4280.00	
Change Over Sub	1.00			4281.00	
Perforations	5.00			4286.00	
Blank Off Sub	1.00			4287.00	
Blank Spacing	3.00			4290.00	45.00 Tool Interval
Packer	1.00			4291.00	
Stubb	1.00			4292.00	
Recorder	0.00	6753	Below	4292.00	
Perforations	11.00			4303.00	
Change Over Sub	1.00			4304.00	
Drill Pipe	63.00			4367.00	
Change Over Sub	1.00			4368.00	
Bullnose	3.00			4371.00	81.00 Bottom Packers & Anchor

Total Tool Length: 153.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

DK Operating, Inc.

18-21S-22W Hodgeman, KS

621 Benton St.
Jetmore, KS 67854

Tull #1-18

Job Ticket: 63192

DST#: 2

ATTN: Jason T. Alm

Test Start: 2017.05.20 @ 22:35:24

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

26 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	SOCM, 5%O 95%M	0.425

Total Length:

30.00 ft

Total Volume:

0.425 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

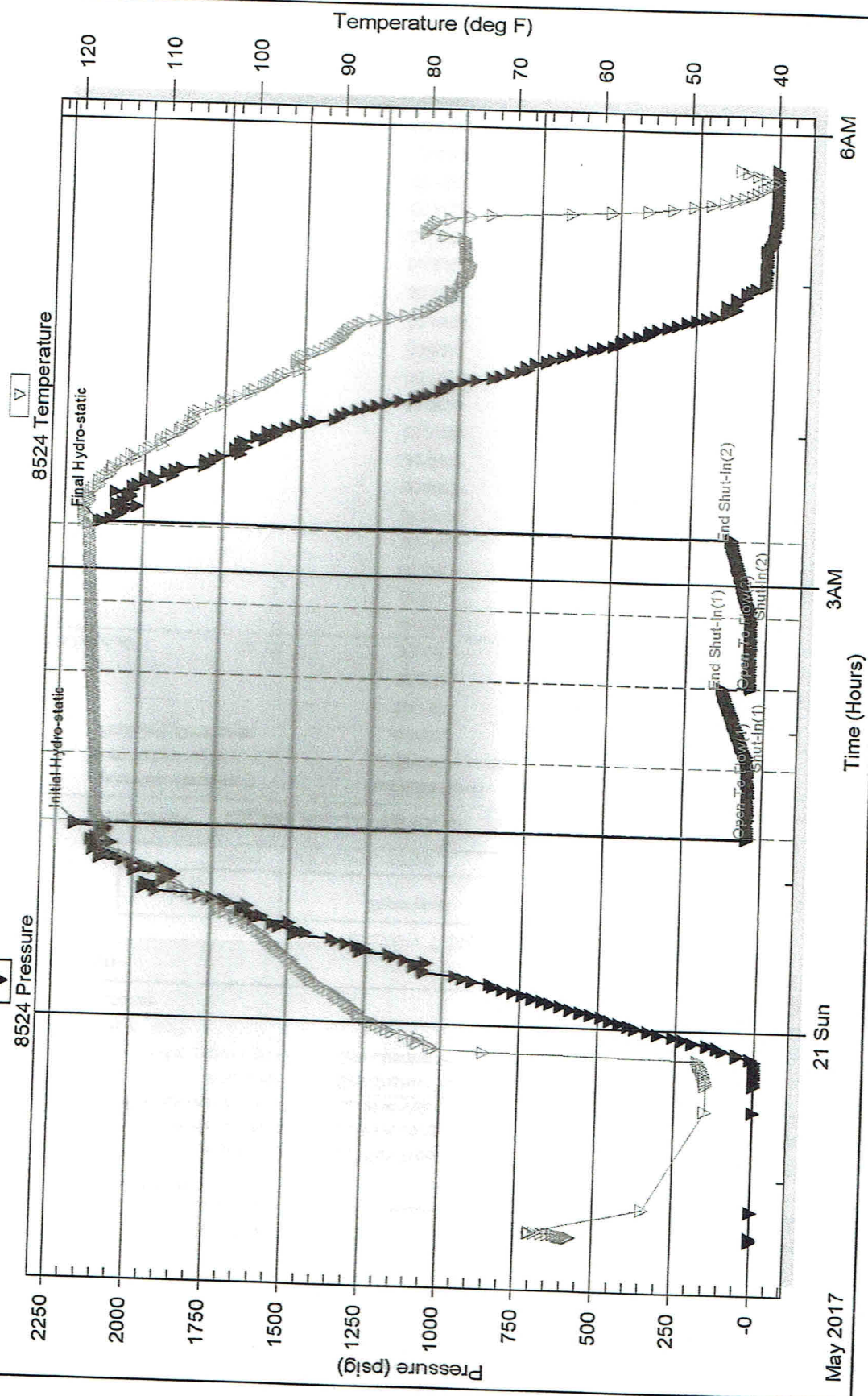
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



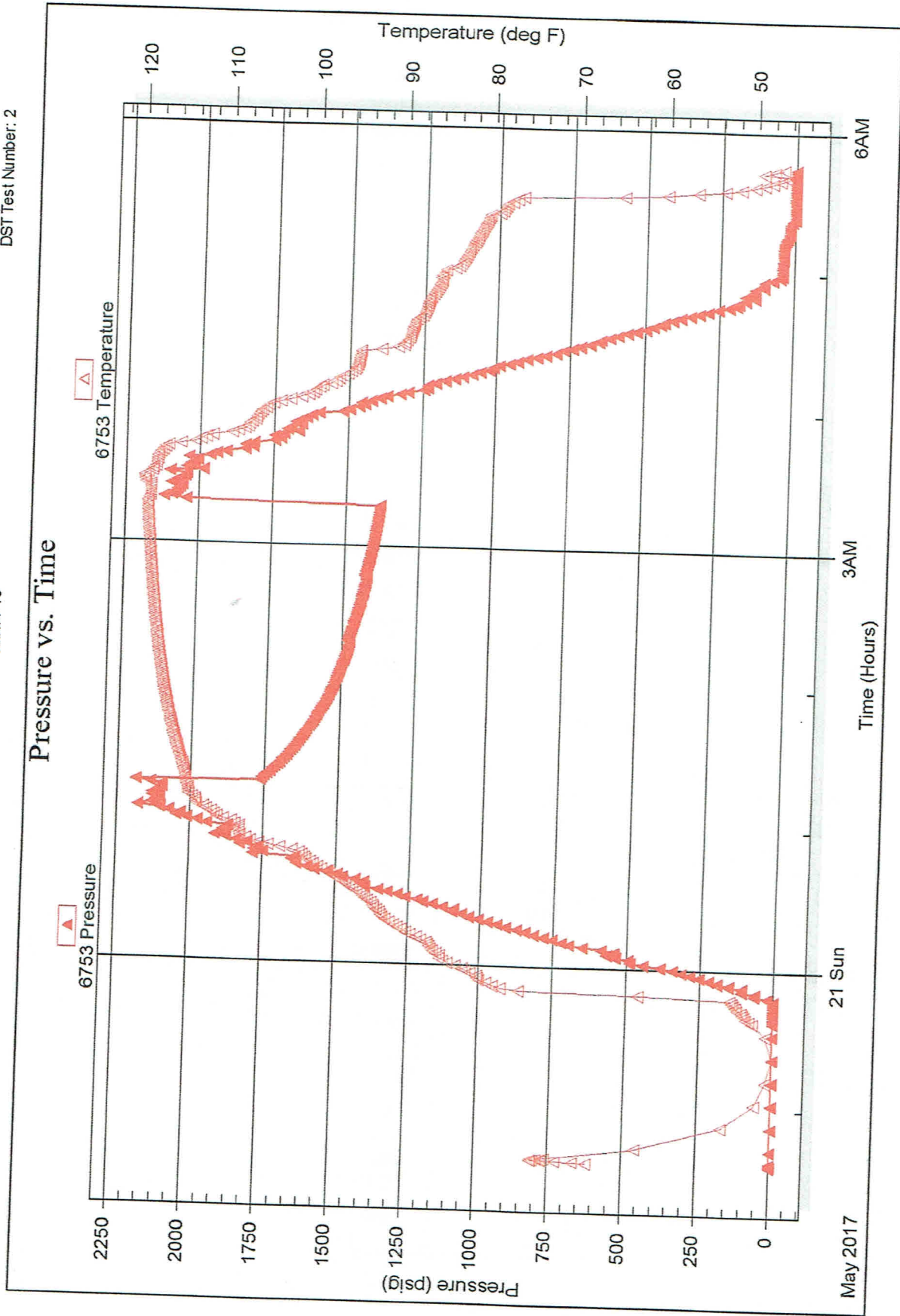
Serial #: 6753

Below (Strat) Operating, Inc.

Tull #1-18

DST Test Number: 2

Pressure vs. Time

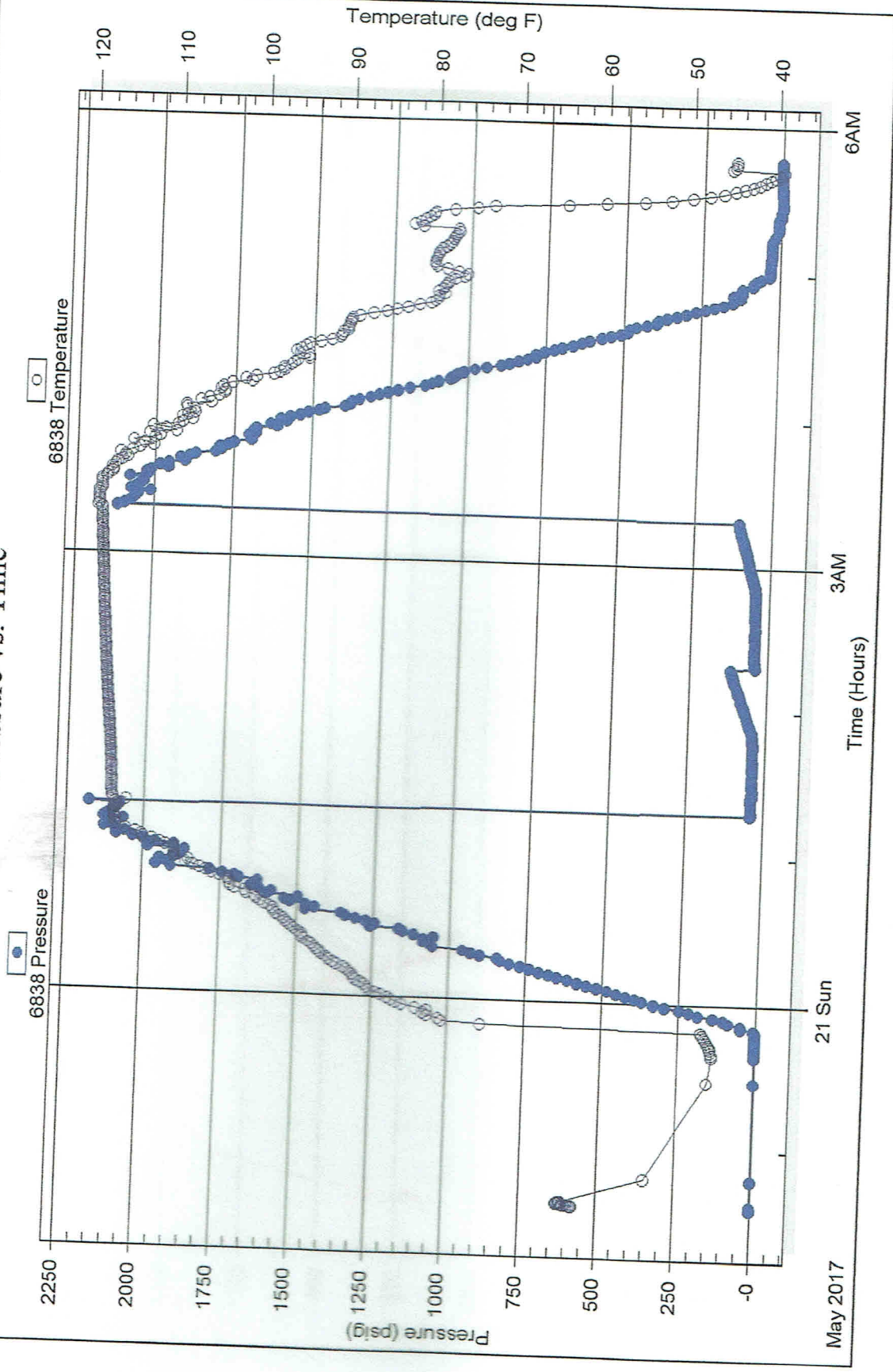


Triobite Testing, Inc

Ref. No: 63192

Printed: 2017.05.22 @ 08:36:16

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 63192

Printed: 2017.05.22 @ 08:36:16



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63191

Well Name & No. Tull #1-18 Test No. 1 Date 5/20/17
 Company DK Operating, Inc Elevation 2279 KB 2272 GL
 Address 621 Benton St. Jetmore KS 67854
 Co. Rep / Geo. Jason T. Alm Rig Pickrell #10
 Location: Sec. 18 Twp. 21 S Rge. 22 W Co. Adair State KS

Interval Tested 4311-4371 Zone Tested M955
 Anchor Length 60' Drill Pipe Run 4310 Mud Wt. 9.2
 Top Packer Depth 4306 Drill Collars Run — Vis 53
 Bottom Packer Depth 4311 Wt. Pipe Run — WL 9.4
 Total Depth 4371 Chlorides 4000 ppm System LCM 2nd

Blow Description IF-BOB 16 mins
ISF- No blow
FF-BOB 23 mins
FSF- No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>64</u>	<u>OCNW</u>		<u>10</u>	<u>60</u>	<u>30</u>
<u>127</u>	<u>WOCM</u>		<u>10</u>	<u>15</u>	<u>75</u>
<u>143</u>	<u>SOCM</u>		<u>10</u>		<u>90</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 334' BHT 121° Gravity 27 API RW 28 @ 58 °F Chlorides 28,000 ppm

(A) Initial Hydrostatic	<u>2180</u>	<input checked="" type="checkbox"/> Test	<u>1150</u>	T-On Location	<u>1410</u>
(B) First Initial Flow	<u>31</u>	<input checked="" type="checkbox"/> Jars	<u>250</u>	T-Started	<u>1508</u>
(C) First Final Flow	<u>134</u>	<input checked="" type="checkbox"/> Safety Joint	<u>75</u>	T-Open	<u>1657</u>
(D) Initial Shut-In	<u>1223</u>	<input type="checkbox"/> Circ Sub		T-Pulled	<u>1927</u>
(E) Second Initial Flow	<u>108</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>2154</u>
(F) Second Final Flow	<u>169</u>	<input checked="" type="checkbox"/> Mileage	<u>152 RT 114</u>	Comments	
(G) Final Shut-In	<u>1156</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>2158</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>45</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>45</u>	<input type="checkbox"/> Day Standby		Total	<u>1589</u>
		<input type="checkbox"/> Accessibility		MP/DST Disc't	
		Sub Total	<u>1589</u>		



TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

NO. 63192

Well Name & No. Tull #1-18 Test No. 2 Date 5/21/17
 Company DK Operating, Inc. Elevation 2279 KB 2272 GL
 Address 621 Benton St. Jetmore, KS 67854
 Co. Rep / Geo. Jason T Alm Rig Pickrell #10
 Location: Sec. 18 Twp. 21 S Rge. 22 Wco. Hedgeman State KS

Interval Tested 4245-4290 Zone Tested Ft. Scott
 Anchor Length 45' tail 81' Drill Pipe Run 4248 Mud Wt. 9.2
 Top Packer Depth 4240-4245 Drill Collars Run — Vis 53
 Bottom Packer Depth 4290 Wt. Pipe Run — WL 9.4
 Total Depth 4371 Chlorides 4000 ppm System LCM 2#

Blow Description IF - Weak flow built slowly to 3"
ISI - No blow
FF - Weak flow built slowly to 3"
FBI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
30	SOCMA		5		95

Rec Total 30' BHT 118° Gravity 26 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic	<u>2184</u>	<input checked="" type="checkbox"/> Test	<u>1150</u>	T-On Location	<u>2154</u>
(B) First Initial Flow	<u>41</u>	<input checked="" type="checkbox"/> Jars	<u>250</u>	T-Started	<u>2235</u>
(C) First Final Flow	<u>46</u>	<input checked="" type="checkbox"/> Safety Joint	<u>75</u>	T-Open	<u>0117</u>
(D) Initial Shut-In	<u>132</u>	<input type="checkbox"/> Circ Sub		T-Pulled	<u>0317</u>
(E) Second Initial Flow	<u>42</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>0545</u>
(F) Second Final Flow	<u>49</u>	<input checked="" type="checkbox"/> Mileage		Comments	
(G) Final Shut-In	<u>119</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>2141</u>	<input checked="" type="checkbox"/> Straddle	<u>600</u>	<input type="checkbox"/> Ruined Shale Packer	
		<input type="checkbox"/> Shale Packer		<input type="checkbox"/> Ruined Packer	
Initial Open	<u>30</u>	<input type="checkbox"/> Extra Packer		<input type="checkbox"/> Extra Copies	
Initial Shut-In	<u>30</u>	<input type="checkbox"/> Extra Recorder		Sub Total	<u>0</u>
Final Flow	<u>30</u>	<input type="checkbox"/> Day Standby		Total	<u>2075</u>
Final Shut-In	<u>30</u>	<input type="checkbox"/> Accessibility		MP/DST Disc't	
		Sub Total	<u>2075</u>		

Approved By _____ Our Representative Braman Konsdak
 Tribotite 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.