

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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DRILL STEM TEST REPORT

Prepared For: **Mustang Energy Corp**

PO Box 1121
Hays KS 67601+1121

ATTN: Cameron Brin

Gary #2

31-11s-19w Ellis KS

Start Date: 2021.07.22 @ 22:30:00

End Date: 2021.07.23 @ 04:50:32

Job Ticket #: 67751 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2021.07.27 @ 09:55:40



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mustang Energy Corp
 PO Box 1121
 Hays KS 67601+1121
 ATTN: Cameron Brin

31-11s-19w Ellis KS

Gary #2

Job Ticket: 67751

DST#: 1

Test Start: 2021.07.22 @ 22:30:00

GENERAL INFORMATION:

Formation: **LKC C-D**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:29:42
 Time Test Ended: 04:50:32
 Interval: **3396.00 ft (KB) To 3450.00 ft (KB) (TVD)**
 Total Depth: 3450.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Spencer J Staab
 Unit No: 84
 Reference Elevations: 2115.00 ft (KB)
 2107.00 ft (CF)
 KB to GR/CF: 8.00 ft

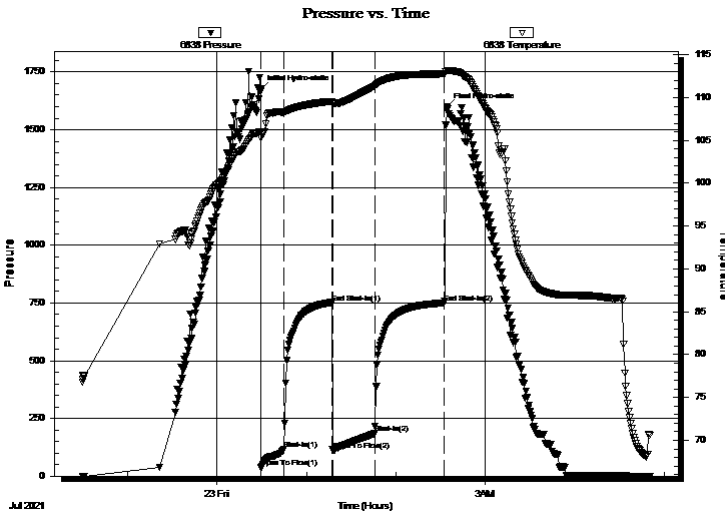
Serial #: 6838

Inside

Press@RunDepth: 184.21 psig @ 3399.00 ft (KB) Capacity: psig
 Start Date: 2021.07.22 End Date: 2021.07.23 Last Calib.: 2021.07.23
 Start Time: 22:30:01 End Time: 04:50:32 Time On Btm: 2021.07.23 @ 00:29:37
 Time Off Btm: 2021.07.23 @ 02:34:27

TEST COMMENT: 15-IF-BOB 9 mins Built to 26 3/4"
 30-ISI-Surface to 1/4" Died @ 27 mins
 30-FF-BOB 7 mins Built to 42 3/4"
 45-FSI-Surface to 6 1/2"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1675.36	106.03	Initial Hydro-static
1	36.45	105.29	Open To Flow (1)
16	114.84	108.29	Shut-In(1)
48	751.27	109.53	End Shut-In(1)
48	113.87	109.38	Open To Flow (2)
77	184.21	111.36	Shut-In(2)
123	750.64	112.76	End Shut-In(2)
125	1597.54	113.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GWCOM 10%G 10%W 15%O 65%M	0.59
70.00	GSWCOM 10%G 2%W 25%O 63%M	0.99
220.00	GO 25%G 75%O	3.12
0.00	315 GIP 100%G	0.00

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Mustang Energy Corp
PO Box 1121
Hays KS 67601+1121
ATTN: Cameron Brin

31-11s-19w Ellis KS

Gary #2

Job Ticket: 67751

DST#: 1

Test Start: 2021.07.22 @ 22:30:00

GENERAL INFORMATION:

Formation: **LKC C-D**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 00:29:42

Time Test Ended: 04:50:32

Interval: **3396.00 ft (KB) To 3450.00 ft (KB) (TVD)**

Total Depth: 3450.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Spencer J Staab

Unit No: 84

Reference Elevations: 2115.00 ft (KB)

2107.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8875 Inside

Press@RunDepth: **psig @ 3399.00 ft (KB)**

Start Date: 2021.07.22 End Date: 2021.07.23

Start Time: 22:30:01 End Time: 04:50:32

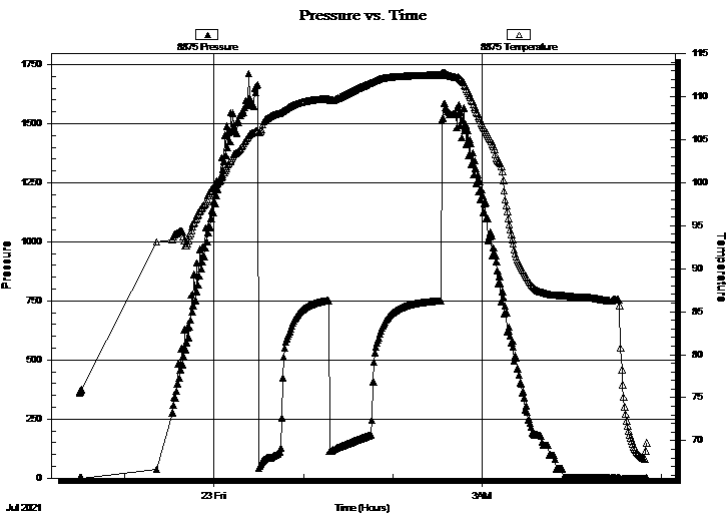
Capacity: **psig**

Last Calib.: 2021.07.23

Time On Btm:

Time Off Btm:

TEST COMMENT: 15-IF-BOB 9 mins Built to 26 3/4"
30-ISI-Surface to 1/4" Died @ 27 mins
30-FF-BOB 7 mins Built to 42 3/4"
45-FSI-Surface to 6 1/2"



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GWCOM 10%G 10%W 15%O 65%M	0.59
70.00	GSWCOM 10%G 2%W 25%O 63%M	0.99
220.00	GO 25%G 75%O	3.12
0.00	315 GIP 100%G	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mustang Energy Corp
PO Box 1121
Hays KS 67601+1121
ATTN: Cameron Brin

31-11s-19w Ellis KS
Gary #2
Job Ticket: 67751 **DST#: 1**
Test Start: 2021.07.22 @ 22:30:00

Tool Information

Drill Pipe:	Length: 3256.00 ft	Diameter: 3.82 inches	Volume: 46.16 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	48000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3396.00 ft			Final	47000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	54.00 ft				
Tool Length:	82.00 ft				
Number of Packers:	1	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3369.00	
Change Over Sub	1.00			3370.00	
Shut In Tool	5.00			3375.00	
Hydraulic tool	5.00		Fluid	3380.00	
Gap Sub	4.00			3384.00	
Safety Joint	3.00			3387.00	
Packer	5.00			3392.00	28.00 Bottom Of Top Packer
Packer	4.00			3396.00	
Stubb	1.00			3397.00	
Perforations	1.00			3398.00	
Change Over Sub	1.00			3399.00	
Recorder	0.00	6838	Inside	3399.00	
Recorder	0.00	8875	Inside	3399.00	
Drill Pipe	32.00			3431.00	
Change Over Sub	1.00			3432.00	
Perforations	15.00			3447.00	
Bullnose	3.00			3450.00	54.00 Bottom Packers & Anchor
Total Tool Length:	82.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mustang Energy Corp
PO Box 1121
Hays KS 67601+1121
ATTN: Cameron Brin

31-11s-19w Ellis KS
Gary #2
Job Ticket: 67751 **DST#: 1**
Test Start: 2021.07.22 @ 22:30:00

Mud and Cushion Information

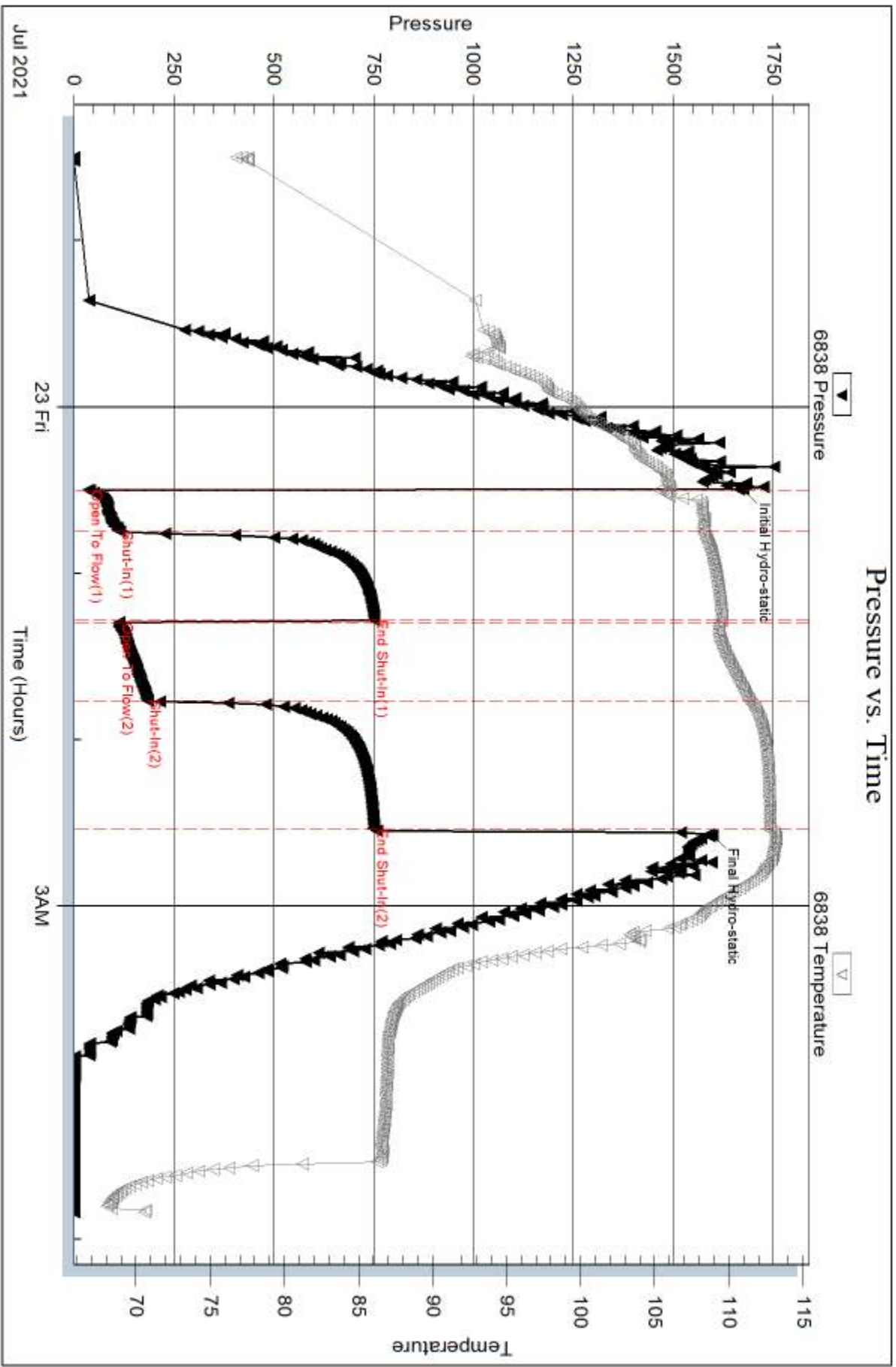
Mud Type: Gel Chem	Cushion Type:	Oil API: 21 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 94000 ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.98 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2000.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	GWCOM 10%G 10%W 15%O 65%M	0.590
70.00	GSWCOM 10%G 2%W 25%O 63%M	0.992
220.00	GO 25%G 75%O	3.119
0.00	315 GIP 100%G	0.000

Total Length: 410.00 ft Total Volume: 4.701 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: 2 1/2#LCM
RW=.112@60F



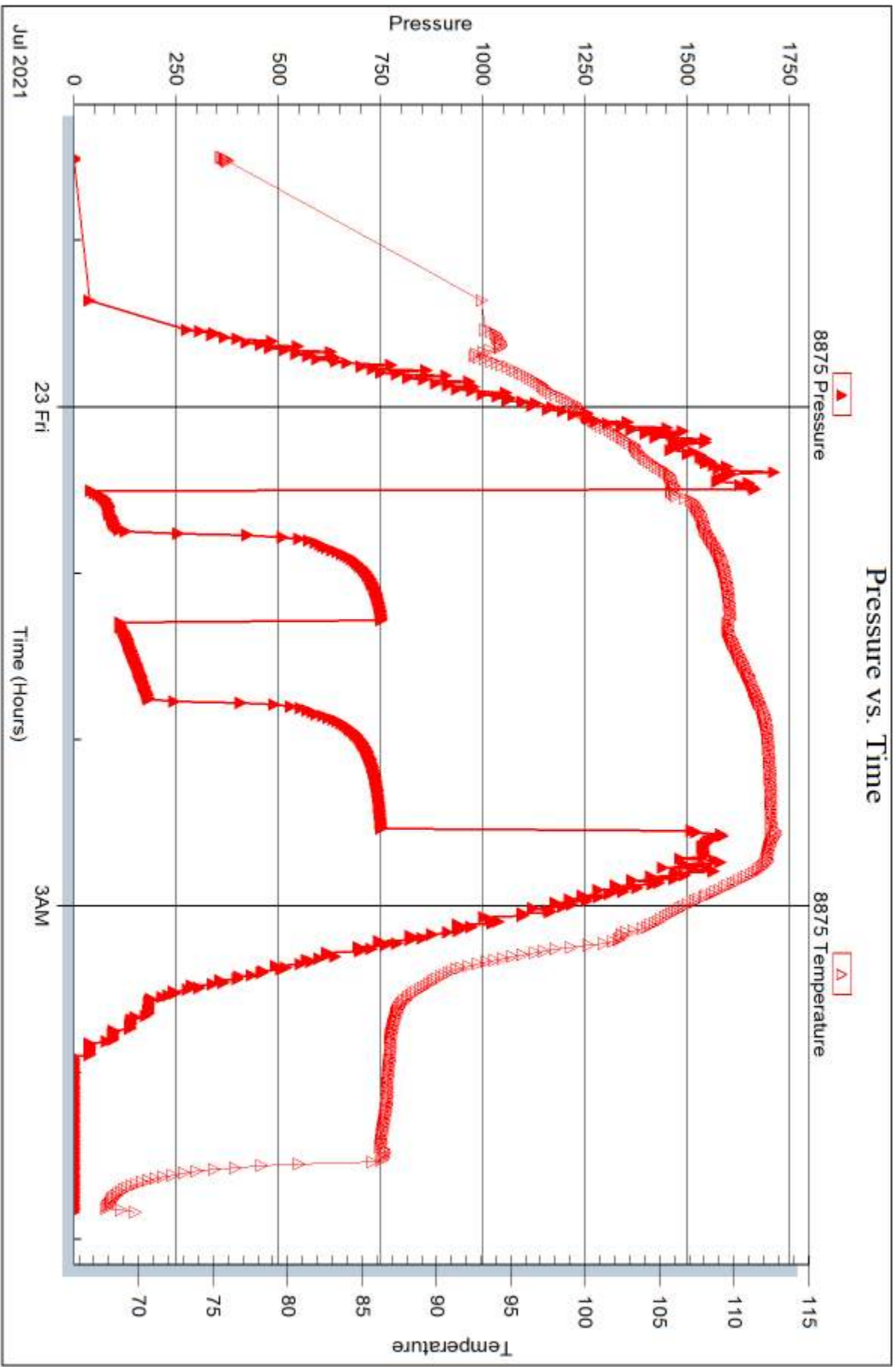
Serial #: 8875

Inside

Mustang Energy Corp

Gary #2

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 67751

Printed: 2021.07.27 @ 09:55:41



DRILL STEM TEST REPORT

Prepared For: **Mustang Energy Corp**

PO Box 1121
Hays KS 67601+1121

ATTN: Cameron Brin

Gary #2

31-11s-19w Ellis KS

Start Date: 2021.07.23 @ 12:05:00

End Date: 2021.07.23 @ 18:35:32

Job Ticket #: 67752 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2021.07.27 @ 09:54:09



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mustang Energy Corp

PO Box 1121
Hays KS 67601+1121

ATTN: Cameron Brin

31-11s-19w Ellis KS

Gary #2

Job Ticket: 67752

DST#: 2

Test Start: 2021.07.23 @ 12:05:00

GENERAL INFORMATION:

Formation: **LKC E-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:54:17

Time Test Ended: 18:35:32

Interval: 3446.00 ft (KB) To 3491.00 ft (KB) (TVD)

Total Depth: 3491.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 84

Reference Elevations: 2115.00 ft (KB)

2107.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6838

Inside

Press@RunDepth: 309.72 psig @ 3449.00 ft (KB)

Start Date: 2021.07.23

End Date:

2021.07.23

Start Time: 12:05:01

End Time:

18:35:32

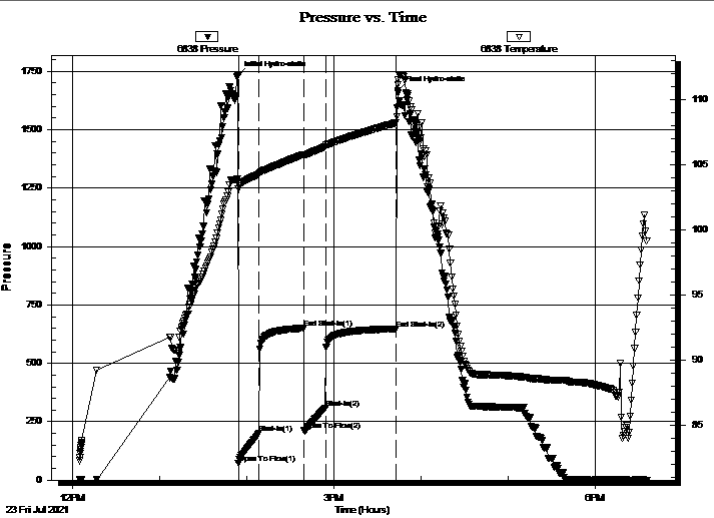
Capacity: psig

Last Calib.: 2021.07.23

Time On Btm: 2021.07.23 @ 13:54:07

Time Off Btm: 2021.07.23 @ 15:44:17

TEST COMMENT: 15-IF-BOB 3 mins Built to 55 3/4"
30-ISI-Surface to 2"
15-FF-BOB 3 1/2 mins Built to 45 3/4"
45-FSI-Surface to 4"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1733.18	103.65	Initial Hydro-static
1	71.34	103.19	Open To Flow (1)
15	201.13	104.33	Shut-In(1)
46	650.67	105.79	End Shut-In(1)
46	212.22	105.75	Open To Flow (2)
61	309.72	106.44	Shut-In(2)
109	648.09	108.27	End Shut-In(2)
111	1668.43	111.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
185.00	GV/SOCMW 10%G 2%O 10%M 78%W	1.51
475.00	GMCWO 10%G 20%M 30%W 40%O	6.73
0.00	420 GIP 100%G	0.00

Gas Rates

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

* Recovery from multiple tests



DRILL STEM TEST REPORT

Mustang Energy Corp
 PO Box 1121
 Hays KS 67601+1121
 ATTN: Cameron Brin

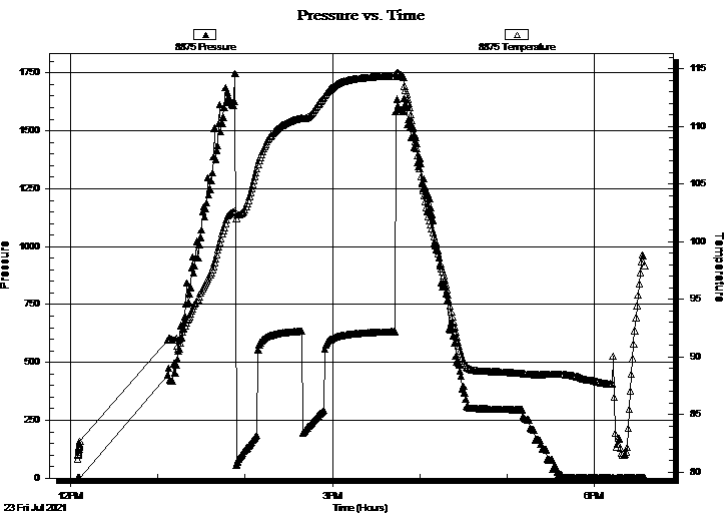
31-11s-19w Ellis KS
Gary #2
 Job Ticket: 67752 **DST#: 2**
 Test Start: 2021.07.23 @ 12:05:00

GENERAL INFORMATION:

Formation: **LKC E-F**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 13:54:17
 Tester: Spencer J Staab
 Time Test Ended: 18:35:32
 Unit No: 84
 Interval: **3446.00 ft (KB) To 3491.00 ft (KB) (TVD)**
 Reference Elevations: 2115.00 ft (KB)
 Total Depth: 3491.00 ft (KB) (TVD) 2107.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8875 Inside
 Press@RunDepth: psig @ 3449.00 ft (KB) Capacity: psig
 Start Date: 2021.07.23 End Date: 2021.07.23 Last Calib.: 2021.07.23
 Start Time: 12:05:01 End Time: 18:34:52 Time On Btm:
 Time Off Btm:

TEST COMMENT: 15-IF-BOB 3 mins Built to 55 3/4"
 30-ISI-Surface to 2"
 15-FF-BOB 3 1/2 mins Built to 45 3/4"
 45-FSI-Surface to 4"



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
185.00	GV/SOCMW 10%G 2%O 10%M 78%W	1.51
475.00	GMCWO 10%G 20%M 30%W 40%O	6.73
0.00	420 GIP 100%G	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

Mustang Energy Corp
PO Box 1121
Hays KS 67601+1121
ATTN: Cameron Brin

31-11s-19w Ellis KS
Gary #2
Job Ticket: 67752 **DST#: 2**
Test Start: 2021.07.23 @ 12:05:00

Tool Information

Drill Pipe:	Length: 3319.00 ft	Diameter: 3.82 inches	Volume: 47.05 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	51000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial	47000.00 lb
Depth to Top Packer:	3446.00 ft			Final	49000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	45.00 ft				
Tool Length:	73.00 ft				
Number of Packers:	1	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Change Over Sub	1.00			3419.00	
Change Over Sub	1.00			3420.00	
Shut In Tool	5.00			3425.00	
Hydraulic tool	5.00		Fluid	3430.00	
Gap Sub	4.00			3434.00	
Safety Joint	3.00			3437.00	
Packer	5.00			3442.00	28.00 Bottom Of Top Packer
Packer	4.00			3446.00	
Stubb	1.00			3447.00	
Perforations	1.00			3448.00	
Change Over Sub	1.00			3449.00	
Recorder	0.00	6838	Inside	3449.00	
Recorder	0.00	8875	Inside	3449.00	
Drill Pipe	32.00			3481.00	
Change Over Sub	1.00			3482.00	
Perforations	6.00			3488.00	
Bullnose	3.00			3491.00	45.00 Bottom Packers & Anchor
Total Tool Length:	73.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mustang Energy Corp
PO Box 1121
Hays KS 67601+1121
ATTN: Cameron Brin

31-11s-19w Ellis KS
Gary #2
Job Ticket: 67752 **DST#: 2**
Test Start: 2021.07.23 @ 12:05:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 34 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 76000 ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.78 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4500.00 ppm		
Filter Cake: inches		

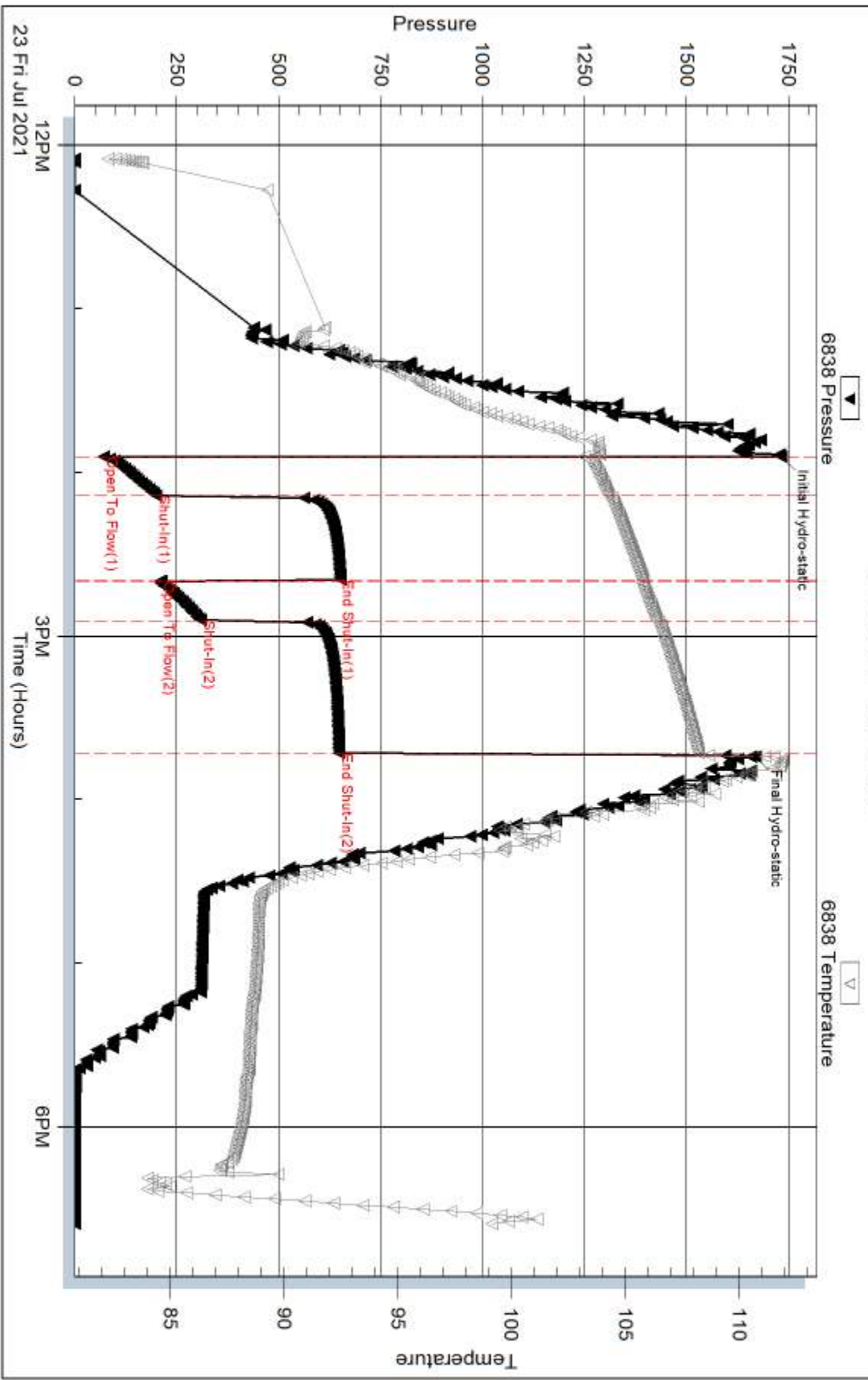
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
185.00	GVSOCMW 10%G 2%O 10%M 78%W	1.512
475.00	GMCWO 10%G 20%M 30%W 40%O	6.733
0.00	420 GIP 100%G	0.000

Total Length: 660.00 ft Total Volume: 8.245 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: 2#LCM
RW=.076@90F

Pressure vs. Time



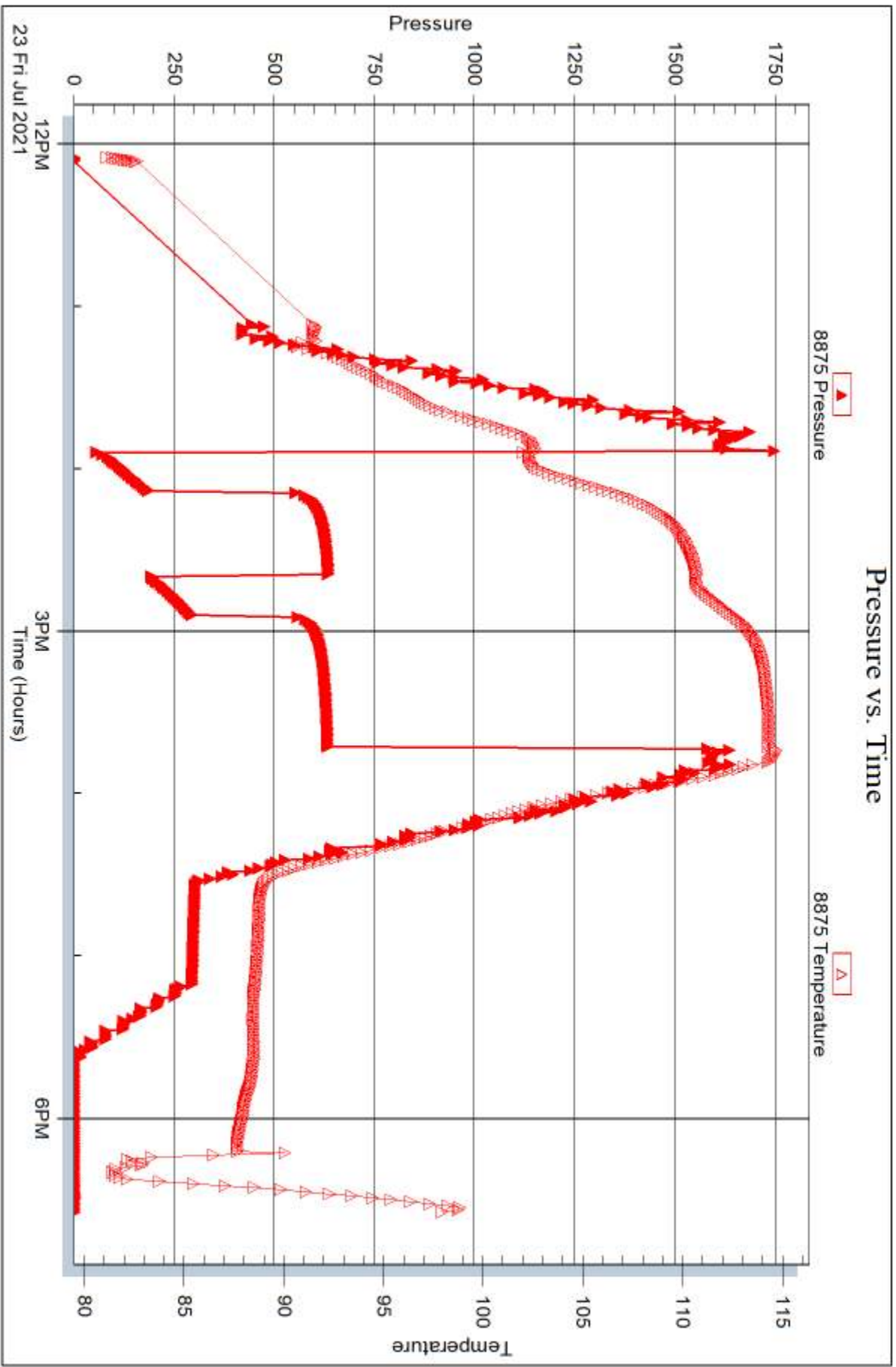
Serial #: 8875

Inside

Mustang Energy Corp

Gary #2

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 67752

Printed: 2021.07.27 @ 09:54:11



DRILL STEM TEST REPORT

Prepared For: **Mustang Energy Corp**

PO Box 1121
Hays KS 67601+1121

ATTN: Cameron Brin

Gary #2

31-11s-19w Ellis KS

Start Date: 2021.07.24 @ 04:10:00

End Date: 2021.07.24 @ 10:25:52

Job Ticket #: 67753 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2021.07.27 @ 09:53:38



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mustang Energy Corp
 PO Box 1121
 Hays KS 67601+1121
 ATTN: Cameron Brin

31-11s-19w Ellis KS

Gary #2

Job Ticket: 67753

DST#: 3

Test Start: 2021.07.24 @ 04:10:00

GENERAL INFORMATION:

Formation: **LKC I-K**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 06:25:57
 Tester: Spencer J Staab
 Time Test Ended: 10:25:52
 Unit No: 84
 Interval: **3530.00 ft (KB) To 3590.00 ft (KB) (TVD)**
 Reference Elevations: 2115.00 ft (KB)
 Total Depth: 3590.00 ft (KB) (TVD)
 2107.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 8.00 ft

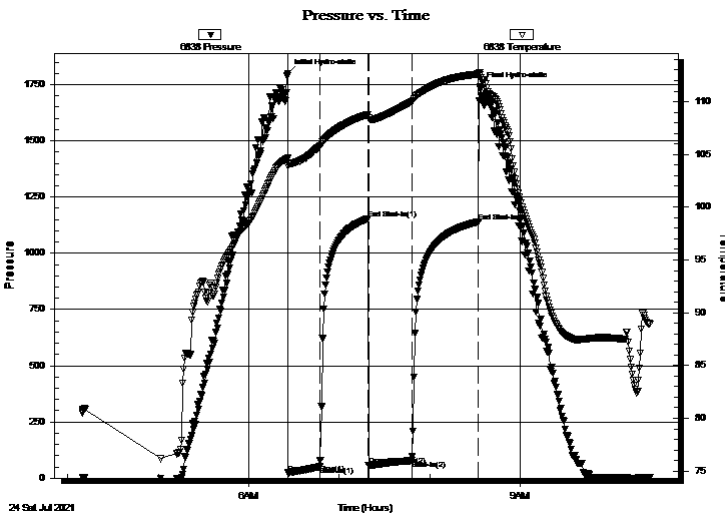
Serial #: 6838

Inside

Press@RunDepth: 78.11 psig @ 3533.00 ft (KB) Capacity: psig
 Start Date: 2021.07.24 End Date: 2021.07.24 Last Calib.: 2021.07.24
 Start Time: 04:10:01 End Time: 10:25:52 Time On Btm: 2021.07.24 @ 06:25:52
 Time Off Btm: 2021.07.24 @ 08:33:02

TEST COMMENT: 20-IF-Surface to 2 3/4"
 30-ISI-Surface Blow
 30-FF-Surface to 2 1/2"
 45-FSI-Very Weak Surface Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1800.25	104.64	Initial Hydro-static
1	23.31	103.87	Open To Flow (1)
22	50.54	105.80	Shut-In(1)
53	1153.84	108.78	End Shut-In(1)
54	55.96	108.44	Open To Flow (2)
82	78.11	110.02	Shut-In(2)
127	1139.92	112.62	End Shut-In(2)
128	1741.90	112.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GOCMW w/oil spots 5g 25m 70w	0.59
15.00	GVSOCWM 3g 2o 45w 50m	0.21
0.00	200 Faint GIP	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mustang Energy Corp

31-11s-19w Ellis KS

PO Box 1121
Hays KS 67601+1121

Gary #2

ATTN: Cameron Brin

Job Ticket: 67753

DST#: 3

Test Start: 2021.07.24 @ 04:10:00

GENERAL INFORMATION:

Formation: **LKC I-K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:25:57

Time Test Ended: 10:25:52

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 84

Interval: 3530.00 ft (KB) To 3590.00 ft (KB) (TVD)

Total Depth: 3590.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2115.00 ft (KB)

2107.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8875

Inside

Press@RunDepth: psig @ 3533.00 ft (KB)

Start Date: 2021.07.24

End Date:

2021.07.24

Start Time: 04:10:01

End Time:

10:25:52

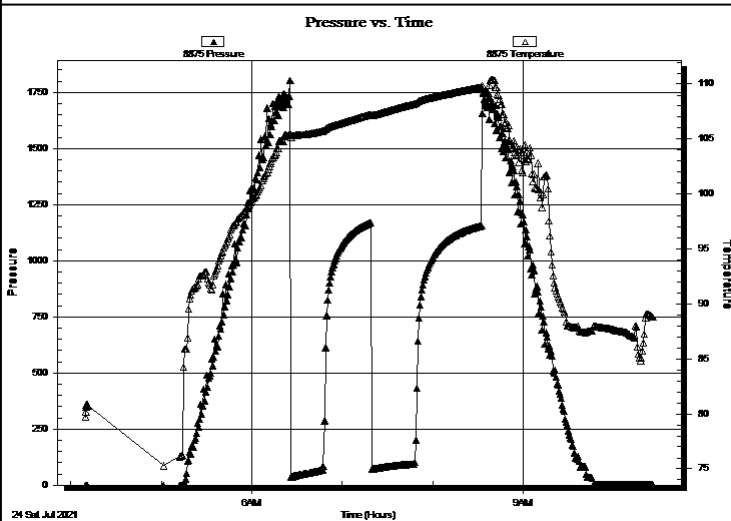
Capacity: psig

Last Calib.: 2021.07.24

Time On Btm:

Time Off Btm:

TEST COMMENT: 20-IF-Surface to 2 3/4"
30-ISI-Surface Blow
30-FF-Surface to 2 1/2"
45-FSI-Very Weak Surface Blow



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
120.00	GOCMW w/oil spots 5g 25m 70w	0.59
15.00	GVSOCWM 3g 2o 45w 50m	0.21
0.00	200 Faint GIP	0.00

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mustang Energy Corp
PO Box 1121
Hays KS 67601+1121
ATTN: Cameron Brin

31-11s-19w Ellis KS
Gary #2
Job Ticket: 67753 **DST#: 3**
Test Start: 2021.07.24 @ 04:10:00

Tool Information

Drill Pipe:	Length: 3414.00 ft	Diameter: 3.82 inches	Volume: 48.39 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	51000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	3530.00 ft			Final	48000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	60.00 ft				
Tool Length:	88.00 ft				
Number of Packers:	1	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Change Over Sub	1.00			3503.00		
Change Over Sub	1.00			3504.00		
Shut In Tool	5.00			3509.00		
Hydraulic tool	5.00		Fluid	3514.00		
Gap Sub	4.00			3518.00		
Safety Joint	3.00			3521.00		
Packer	5.00			3526.00	28.00	Bottom Of Top Packer
Packer	4.00			3530.00		
Stubb	1.00			3531.00		
Perforations	1.00			3532.00		
Change Over Sub	1.00			3533.00		
Recorder	0.00	6838	Inside	3533.00		
Recorder	0.00	8875	Inside	3533.00		
Drill Pipe	32.00			3565.00		
Change Over Sub	1.00			3566.00		
Perforations	21.00			3587.00		
Bullnose	3.00			3590.00	60.00	Bottom Packers & Anchor
Total Tool Length:	88.00					



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mustang Energy Corp
PO Box 1121
Hays KS 67601+1121
ATTN: Cameron Brin

31-11s-19w Ellis KS
Gary #2
Job Ticket: 67753 **DST#: 3**
Test Start: 2021.07.24 @ 04:10:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	63000 ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4500.00 ppm			
Filter Cake: inches			

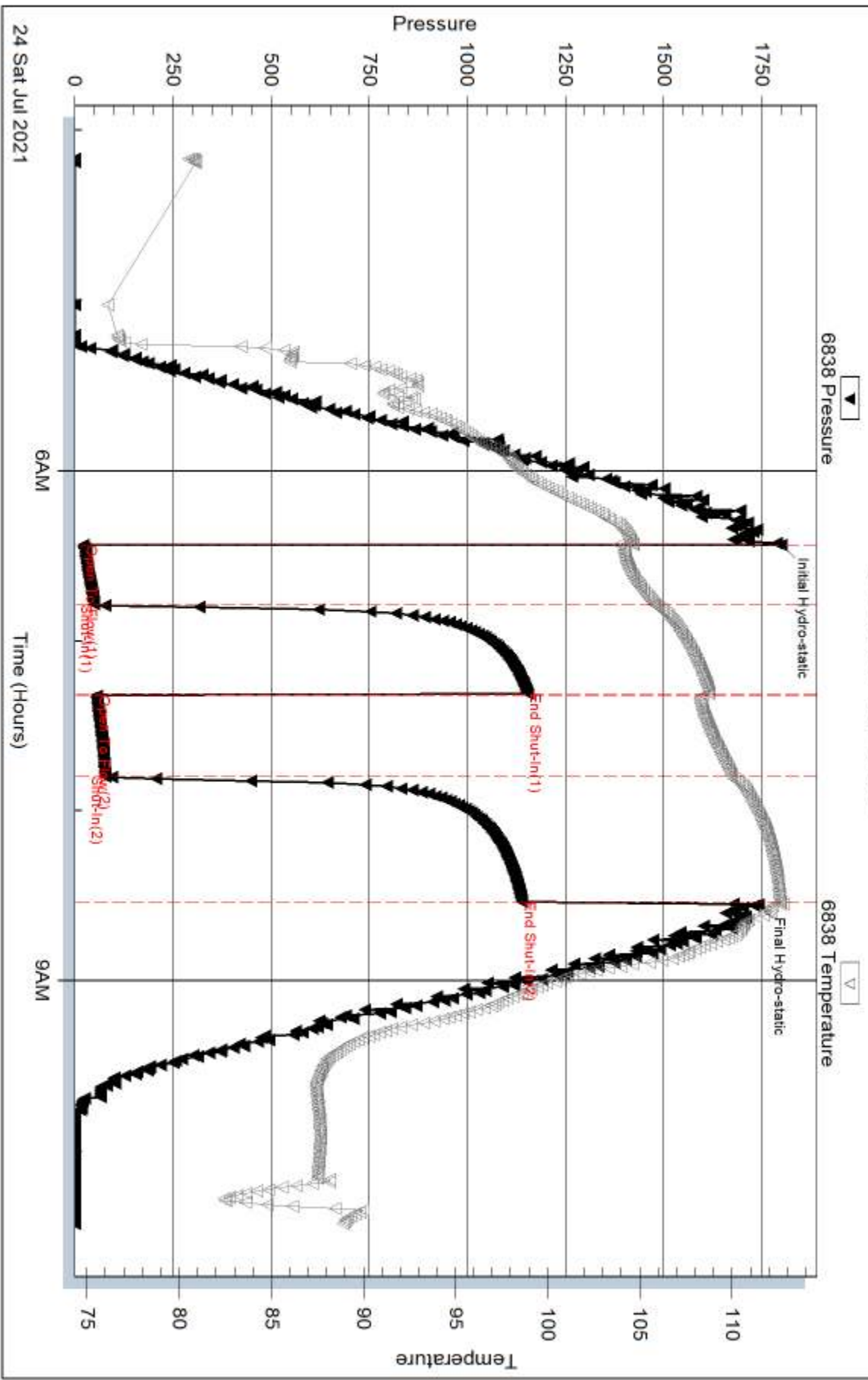
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	GOCMW w/oil spots 5g 25m 70w	0.590
15.00	GVSOCWM 3g 2o 45w 50m	0.213
0.00	200 Faint GIP	0.000

Total Length: 135.00 ft Total Volume: 0.803 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: 2#LCM
RW=.088@96F

Pressure vs. Time



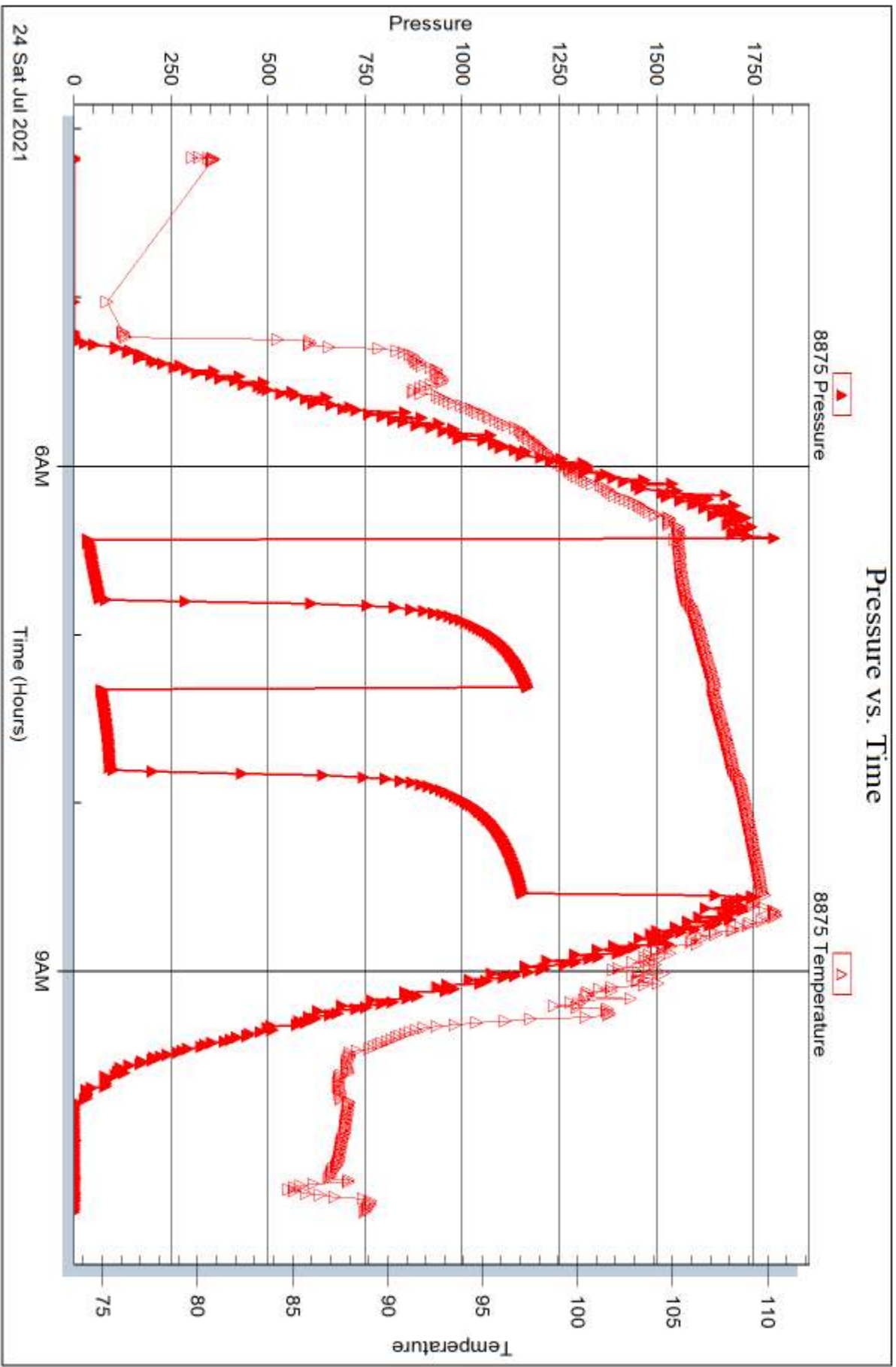
Serial #: 8875

Inside

Mustang Energy Corp

Gary #2

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 67753

Printed: 2021.07.27 @ 09:53:40



DRILL STEM TEST REPORT

Prepared For: **Mustang Energy Corp**

PO Box 1121
Hays KS 67601+1121

ATTN: Cameron Brin

Gary #2

31-11s-19w Ellis KS

Start Date: 2021.07.24 @ 22:10:03

End Date: 2021.07.25 @ 06:38:21

Job Ticket #: 67754 DST #: 4

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2021.07.27 @ 09:52:56



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mustang Energy Corp
PO Box 1121
Hays KS 67601+1121
ATTN: Cameron Brin

31-11s-19w Ellis KS

Gary #2

Job Ticket: 67754

DST#: 4

Test Start: 2021.07.24 @ 22:10:03

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:01:27
Time Test Ended: 06:38:21
Interval: **3606.00 ft (KB) To 3695.00 ft (KB) (TVD)**
Total Depth: 3695.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 2115.00 ft (KB)
2107.00 ft (CF)
KB to GR/CF: 8.00 ft
Test Type: Conventional Bottom Hole (Reset)
Tester: Spencer J Staab
Unit No: 84

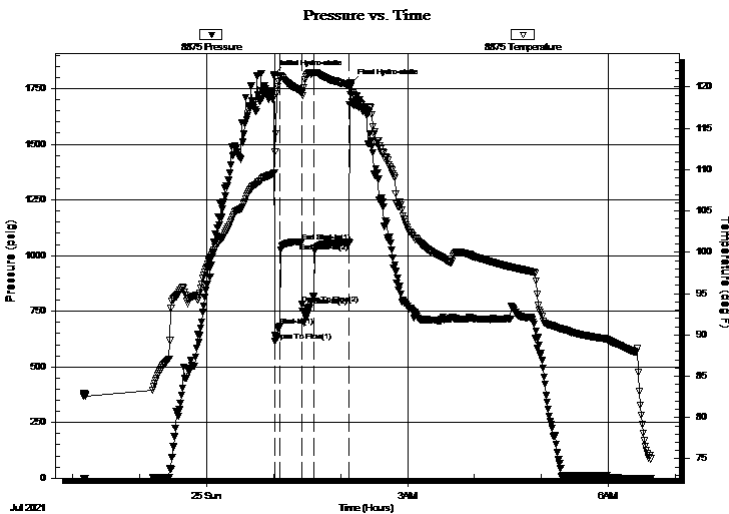
Serial #: 8875

Inside

Press@RunDepth: 814.75 psig @ 3609.00 ft (KB) Capacity: psig
Start Date: 2021.07.24 End Date: 2021.07.25 Last Calib.: 2021.07.25
Start Time: 22:10:03 End Time: 06:38:22 Time On Btm: 2021.07.25 @ 01:00:36
Time Off Btm: 2021.07.25 @ 02:08:52

TEST COMMENT: 5-IF-BOB 20 secs Built to 94"
20-ISI-Weak Surface
10-FF-BOB 25 secs Built to 168"
30-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1812.43	109.65	Initial Hydro-static
1	614.84	112.14	Open To Flow (1)
6	683.94	121.22	Shut-In(1)
25	1062.63	119.36	End Shut-In(1)
26	780.92	119.21	Open To Flow (2)
36	814.75	121.71	Shut-In(2)
68	1056.19	120.18	End Shut-In(2)
69	1774.34	120.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GV/SOCMW 5g 2o 10m 83w	0.59
1500.00	GMCOw 10g 15m 20o 55w	21.26

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mustang Energy Corp
PO Box 1121
Hays KS 67601+1121
ATTN: Cameron Brin

31-11s-19w Ellis KS

Gary #2

Job Ticket: 67754

DST#: 4

Test Start: 2021.07.24 @ 22:10:03

GENERAL INFORMATION:

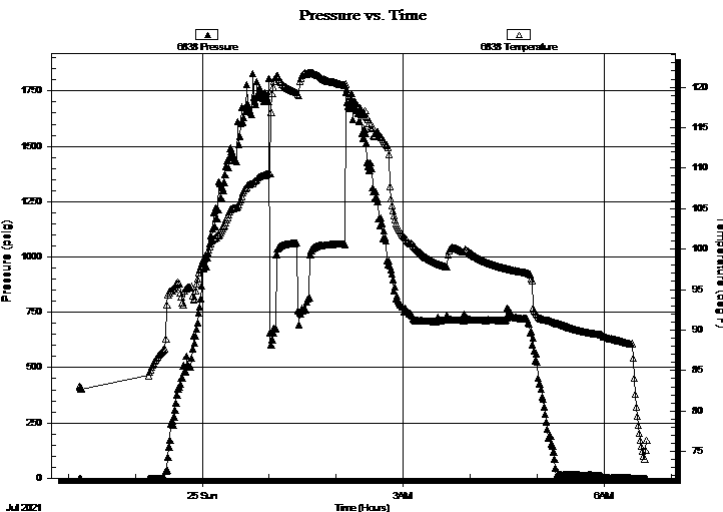
Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:01:27
Time Test Ended: 06:38:21
Interval: **3606.00 ft (KB) To 3695.00 ft (KB) (TVD)**
Total Depth: 3695.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Spencer J Staab
Unit No: 84
Reference Elevations: 2115.00 ft (KB)
2107.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6838

Inside

Press@RunDepth: psig @ 3609.00 ft (KB) Capacity: psig
Start Date: 2021.07.24 End Date: 2021.07.25 Last Calib.: 2021.07.25
Start Time: 22:10:01 End Time: 06:38:22 Time On Btm:
Time Off Btm:

TEST COMMENT: 5-IF-BOB 20 secs Built to 94"
20-ISI-Weak Surface
10-FF-BOB 25 secs Built to 168"
30-FSI-No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GV/SOCMW 5g 2o 10m 83w	0.59
1500.00	GMCOW 10g 15m 20o 55w	21.26

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mustang Energy Corp
PO Box 1121
Hays KS 67601+1121
ATTN: Cameron Brin

31-11s-19w Ellis KS
Gary #2
Job Ticket: 67754 **DST#: 4**
Test Start: 2021.07.24 @ 22:10:03

Tool Information

Drill Pipe:	Length: 3476.00 ft	Diameter: 3.82 inches	Volume: 49.27 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	56000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	47000.00 lb
Depth to Top Packer:	3606.00 ft			Final	54000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	89.00 ft				
Tool Length:	117.00 ft				
Number of Packers:	1	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3579.00	
Change Over Sub	1.00			3580.00	
Shut In Tool	5.00			3585.00	
Hydraulic tool	5.00		Fluid	3590.00	
Gap Sub	4.00			3594.00	
Safety Joint	3.00			3597.00	
Packer	5.00			3602.00	28.00 Bottom Of Top Packer
Packer	4.00			3606.00	
Stubb	1.00			3607.00	
Perforations	1.00			3608.00	
Change Over Sub	1.00			3609.00	
Recorder	0.00	6838	Inside	3609.00	
Recorder	0.00	8875	Inside	3609.00	
Drill Pipe	63.00			3672.00	
Change Over Sub	1.00			3673.00	
Perforations	19.00			3692.00	
Bullnose	3.00			3695.00	89.00 Bottom Packers & Anchor
Total Tool Length:	117.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mustang Energy Corp
PO Box 1121
Hays KS 67601+1121
ATTN: Cameron Brin

31-11s-19w Ellis KS
Gary #2
Job Ticket: 67754 **DST#: 4**
Test Start: 2021.07.24 @ 22:10:03

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	37000 ppm
Viscosity: 110.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 18000.00 ppm			
Filter Cake: inches			

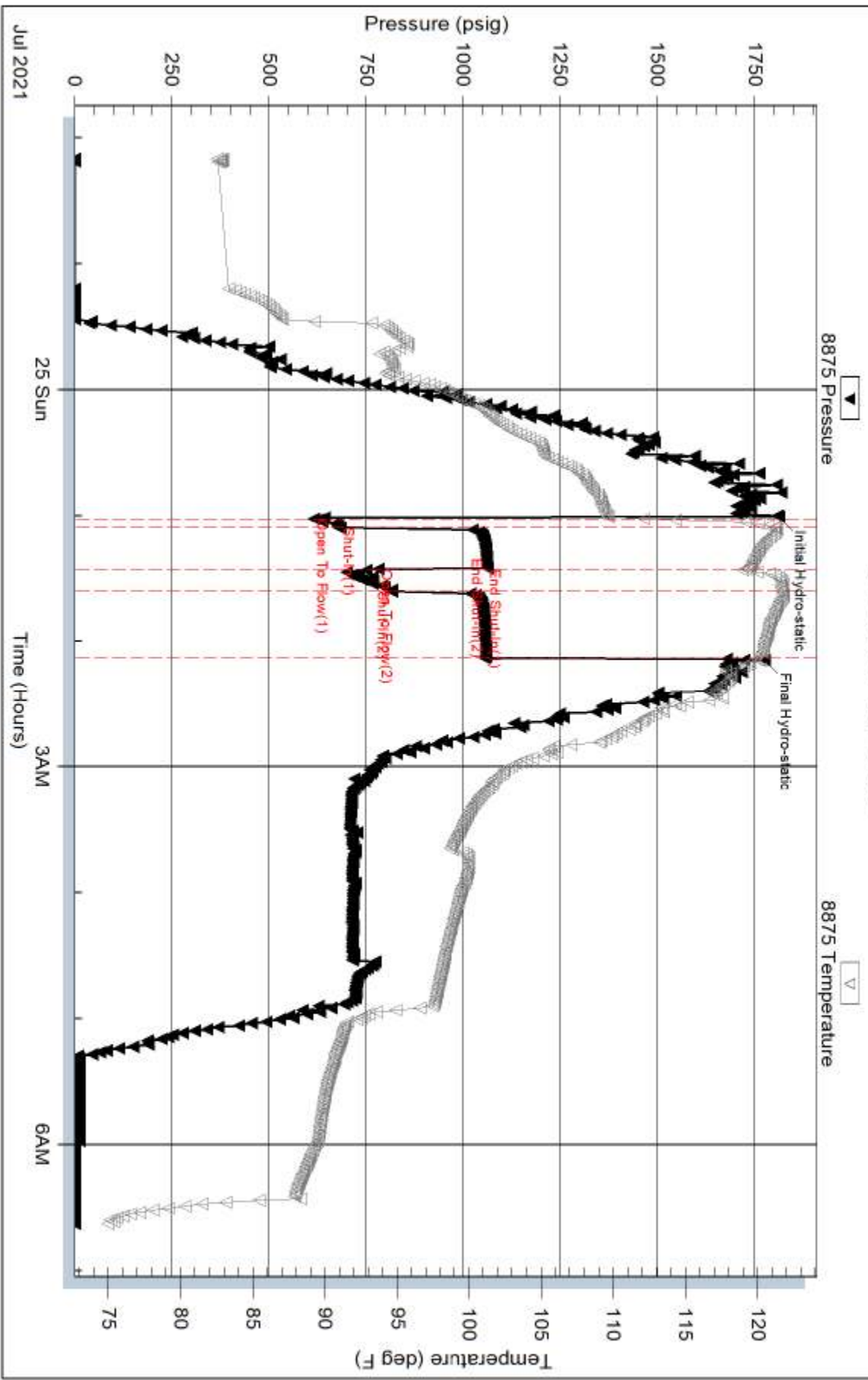
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	GVSOCMW 5g 2o 10m 83w	0.590
1500.00	GMCOW 10g 15m 20o 55w	21.263

Total Length: 1620.00 ft Total Volume: 21.853 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: 2#LCM
RW=.191@73F

Pressure vs. Time



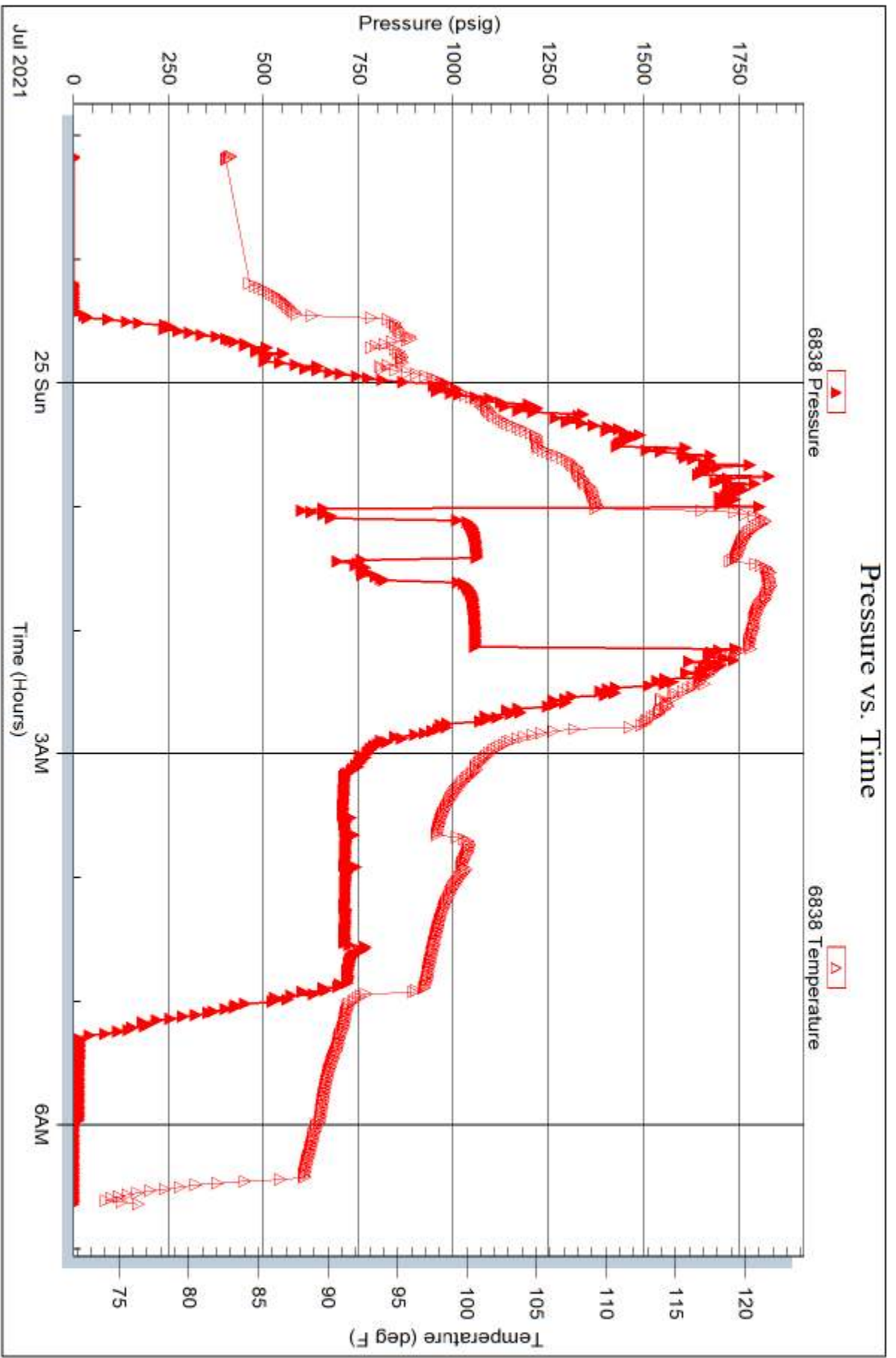
Serial #: 6838

Inside

Mustang Energy Corp

Gary #2

DST Test Number: 4





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67751

Well Name & No. Jory #2 Test No. 1 Date 07/22/2021
 Company Mustang Energy Corp Elevation 2115 KB 2108 GL
 Address PO BOX 1121 Hays, KS 67601 + 1121
 Co. Rep / Geo. Cameron Brin Rig 57P
 Location: Sec. 31 Twp 11s Rge. 19w Co. Ellis State Ks

Interval Tested 3396'-3450' Zone Tested LKC C-D
 Anchor Length 54' Drill Pipe Run 3256' Mud Wt. 8.8
 Top Packer Depth 3391' Drill Collars Run 120' Vls 60
 Bottom Packer Depth 3396' Wt. Pipe Run - WL 8.0
 Total Depth 3450' Chlorides 2000 ppm System LCM 2 1/2#

Blow Description 07-BOB 9 min; Built to 26 3/4"
18A-Surface to 4; Died @ 27 mins
77-BOB 7 mins; Built to 42 3/4"
78A-Surface to 6 1/2"

Rec	Feet of	%gas	%oil	%water	%mud
<u>120'</u>	<u>GWCOM</u>	<u>10</u>	<u>15</u>	<u>10</u>	<u>85</u>
<u>70'</u>	<u>GWCOM</u>	<u>10</u>	<u>25</u>	<u>2</u>	<u>83</u>
<u>220'</u>	<u>CO</u>	<u>25</u>	<u>75</u>		
	<u>315' GIP</u>	<u>100</u>			

Rec Total 410 BHT 112° Gravity 21° API RW .112 @ 60 ° F Chlorides 94,000 ppm
 (A) Initial Hydrostatic 1675 Test 1200 T-On Location 21:00
 (B) First Initial Flow 36 Jars _____ T-Started 22:30
 (C) First Final Flow 114 Safety Joint _____ T-Open 00:28 07/23/2021
 (D) Initial Shut-In 751 Circ Sub _____ T-Pulled 02:28
 (E) Second Initial Flow 113 Hourly Standby _____ T-Out 04:53
 (F) Second Final Flow 184 Mileage 4627 57.50 Comments _____
 (G) Final Shut-In 750 Sampler _____
 (H) Final Hydrostatic 1597 Straddle _____ EM Tool 350 NS
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Day Standby _____ Sub Total 0
 Accessibility _____ Total 1257.50
 Sub Total 1257.50 MP/DST Disc't _____

Initial Open 15
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 45

Approved By _____ Our Representative Spencer J. Smith Thanks!
 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.

785-259-0056



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67752

Well Name & No. Lary #2 Test No. 2 Date 07/23/2001
 Company Mustang Energy Corp Elevation 2115 KB 2107 GL
 Address PO BOX 1121 Hays KS 67601+1121
 Co. Rep / Geo. Cameron Brin Rig 57P
 Location: Sec. 31 Twp 11S Rge. 19W Co. Ellis State KS

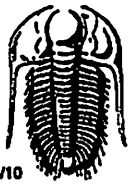
Interval Tested 3446' - 3491' Zone Tested LRC E-7
 Anchor Length 45' Drill Pipe Run 3319' Mud Wt. 8.9
 Top Packer Depth 3441' Drill Collars Run 120' Vis 58
 Bottom Packer Depth 3446' Wt. Pipe Run - WL 8.8
 Total Depth 3491' Chlorides 4500 ppm System LCM 2#

Blow Description 17 - BOB 3 mins; Built to 55 3/4"
1st - Surface to 2"
17 - BOB 3 1/2 min; Built to 45 3/4"
2nd - Surface to 4"

Rec	Feet of	%gas	%oil	%water	%mud
<u>185'</u>	<u>GVOCMW</u>	<u>10</u>	<u>2</u>	<u>78</u>	<u>10</u>
<u>475'</u>	<u>GMCWO</u>	<u>10</u>	<u>40</u>	<u>30</u>	<u>20</u>
<u>420'</u>	<u>GIP</u>	<u>100</u>			

Rec Total 660' BHT 108° Gravity 34° API RW .076 @ 90 °F Chlorides 76000 ppm
 (A) Initial Hydrostatic 1733 Test 1200 T-On Location 11:45
 (B) First Initial Flow 71 Jars _____ T-Started 12:05
 (C) First Final Flow 201 Safety Joint _____ T-Open 13:43
 (D) Initial Shut-In 650 Circ Sub _____ T-Pulled 15:28
 (E) Second Initial Flow 212 Hourly Standby _____ T-Out 18:25
 (F) Second Final Flow 309 Mileage 57.50 Comments _____
 (G) Final Shut-In 648 Sampler _____
 (H) Final Hydrostatic 1668 Straddle _____ EM Tool _____
 Initial Open 15 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 30 Extra Packer _____ Ruined Packer _____
 Final Flow 15 Extra Recorder _____ Extra Copies _____
 Final Shut-In 45 Day Standby _____ Sub Total 0
 Sub Total 1257.50 Accessibility _____ Total 1257.50 MP/DST Disc't _____

Approved By _____ Our Representative Spencer J. [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.
 785-259-0056



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67753

Well Name & No. Lary #2 Test No. 3 Date 07/24/2021
 Company Mustang Energy Corp Elevation 2115 KB 2107 GL
 Address PO BOX 1121 Hays KS 67601 + 1121
 Co. Rep / Geo. Cameron Brin Rig S7P
 Location: Sec. 31 Twp 114 Rge. 19w Co. Ellis State Ks

Interval Tested 3530' - 3590' Zone Tested LKC J-K
 Anchor Length 60' Drill Pipe Run 3414' Mud Wt. 8.9
 Top Packer Depth 3525' Drill Collars Run 120' Vls 58
 Bottom Packer Depth 3530' Wt. Pipe Run - WL 8.8
 Total Depth 3590' Chlorides 4500 ppm System LCM 2#

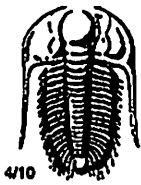
Blow Description J7-Surface to 2 3/4"
J5D-Surface Blow
J7-Surface to 2 1/2"
J8D-Very Weak Surface Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>120'</u>	<u>G1OCMAW w/oil spots</u>	<u>5</u>	<u>70</u>	<u>25</u>	<u></u>
<u>15'</u>	<u>G1VSOCWM</u>	<u>3</u>	<u>45</u>	<u>50</u>	<u></u>
<u></u>	<u>200' Faint G1P</u>	<u>100</u>	<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>

Rec Total 135' BHT 112° Gravity - API RW .088 @ 96 °F Chlorides 63000 ppm
 (A) Initial Hydrostatic 1800 Test 1200 T-On Location 03:50
 (B) First Initial Flow 23 Jars T-Started 04:10
 (C) First Final Flow 50 Safety Joint T-Open 06:21
 (D) Initial Shut-In 1153 Circ Sub T-Pulled 08:26
 (E) Second Initial Flow 55 Hourly Standby T-Out 10:23
 (F) Second Final Flow 78 Mileage 57.50 Comments
 (G) Final Shut-In 1139 Sampler
 (H) Final Hydrostatic 1741 Straddle EM Tool
 Shale Packer Ruined Shale Packer
 Extra Packer Ruined Packer
 Extra Recorder Extra Copies
 Day Standby Sub Total 0
 Accessibility Total 1257.50

Initial Open 20
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 45
 Sub Total 1257.50 MP/DST Disc'y

Approved By _____ Our Representative Spencer Staal
 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. 67754

Well Name & No. Jury #2 Test No. 4 Date 07/24/2021
 Company Mustang Energy Corp Elevation 2115 KB 2107 GL
 Address 1121 PO BOX Hays, KS 67601 + 1121
 Co. Rep / Geo. Cameron Brin Rig S7P
 Location: Sec. 31 Twp 11N Rge. 19W Co. Ellis State Ks

Interval Tested 3606' - 3695' Zone Tested Arbuckle
 Anchor Length 89' Drill Pipe Run 3476' Mud Wt. 9
 Top Packer Depth 3601' Drill Collars Run 120' Vis 110
 Bottom Packer Depth 3606' Wt. Pipe Run - WL 8.8
 Total Depth 3695' Chlorides 18000 ppm System LCM 2#

Blow Description 77- BOB 20 secs; Built to 94"
77- Weak Surface
77- BOB 25 secs; Built to 168"
78- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>120'</u>	<u>GVSO CMW</u>	<u>5</u>	<u>2</u>	<u>83</u>	<u>10</u>
<u>1500'</u>	<u>GRACOW</u>	<u>10</u>	<u>20</u>	<u>55</u>	<u>1.5</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1620 BHT 120° Gravity - API RW .191 @ 73° F Chlorides 37000 ppm

- (A) Initial Hydrostatic 1812
- (B) First Initial Flow 614
- (C) First Final Flow 683
- (D) Initial Shut-In 1062
- (E) Second Initial Flow 780
- (F) Second Final Flow 814
- (G) Final Shut-In 1056
- (H) Final Hydrostatic 1774

- Test 1200
- Jars
- Safety Joint
- Circ Sub 50
- Hourly Standby
- Mileage 57.50
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility

T-On Location 2150
 T-Started 22:10
 T-Open 00:57
 T-Pulled 02:03
 T-Out 06:35

Comments _____

 EM Tool
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1307.50

Initial Open 5
 Initial Shut-In 20
 Final Flow 10
 Final Shut-In 30

Approved By _____ Our Representative [Signature] Thanks!
 Triobite 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.

785-259-0056

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071

Home Office P.O. Box 32 Russell, KS 67665

No. 2273

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
7-26-21	31	11	19	Ellis	KS		3:15 AM
Lease				Location		Well No.	
Craw				Yocemento + Homestead Rd 2w 1/2 U Winto		2	
Contractor				Owner			
S.T.P.				To Quality Oilwell Cementing, Inc.			
Type Job				You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Production String							
Hole Size		T.D.		Charge To			
7 7/8		3750		Mustang Energy			
Csg.		Depth		Street			
5 1/2		3746					
Tbg. Size		Depth		City		State	
Tool Port Collar #57		Depth		The above was done to satisfaction and supervision of owner agent or contractor.			
		1468.60					
Cement Left in Csg.		Shoe Joint		Cement Amount Ordered		180 com 10% salt	
21.01		21.01					
Meas Line		Displace		500 gal mud Clear		5/16 concrete	
		88 1/2 BBL					
EQUIPMENT				Common			
Pumptrk 17 No.		Cement Helper		180			
		Craig					
Bulktrk No.		Driver		Poz. Mix			
		Craig					
Bulktrk 15 No.		Driver		Gel.			
		Dora					
		Driver		Calcium			
JOB SERVICES & REMARKS				Hulls			
Remarks:				Salt 15			
Rat Hole 395K				Flowseal			
Mouse Hole				Kol-Seal 800 #			
Centralizers				Mud CLR 48 500 gal			
Baskets				CFL-117 or CD110 CAP 38			
D/V or Port Collar				Sand			
5 1/2 set @ 3746. Bal Act @ 3725				Handling 203			
Est. Circulation Pump 500 gal mud				Mileage			
Clear Plug, bathole 305K				FLOAT EQUIPMENT			
Cement 5 1/2 with 150SK				Guide Shoe			
Clear lines + Displace Plug.				Centralizer 7			
Plug landed @ 1600#				Baskets 3			
Lift Pressure - 800#				AFU inserts Port Collar			
				Float Shoe 1			
				Latch Down 1			
				Pumptrk Charge prod String			
				Mileage 15			
Signature				Tax			
C.B.				Discount			
				Total Charge			

Thanks

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 2331

Date	Sec.	Twp.	Range	County	State	On Location	Finish
7-14-21	31	#1	19	Ellis	KS		2:30pm

Lease **GARY** Well No. **2** Location **1210 N. T. - Highway 200 1/2 W**

Contractor **STP** Owner **To Quality Oilwell Cementing, Inc.**
 Type Job **SURFACE** You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Hole Size **12 1/4** T.D. **214** Charge To **MUSTANG ENERGY**

Csg. **PS** Depth Street

Tbg. Size Depth City State

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

Cement Left in Csg. **15'** Shoe Joint Cement Amount Ordered **150M 20/20 3-2**

Meas Line Displace **12 1/2**

EQUIPMENT

Pumptrk 5 No. Cementer		Common
	Helper	Poz. Mix
Bulktrk No. Driver		Gel.
Bulktrk 15 No. Driver		Calcium
	Driver	

JOB SERVICES & REMARKS

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

FLOAT EQUIPMENT

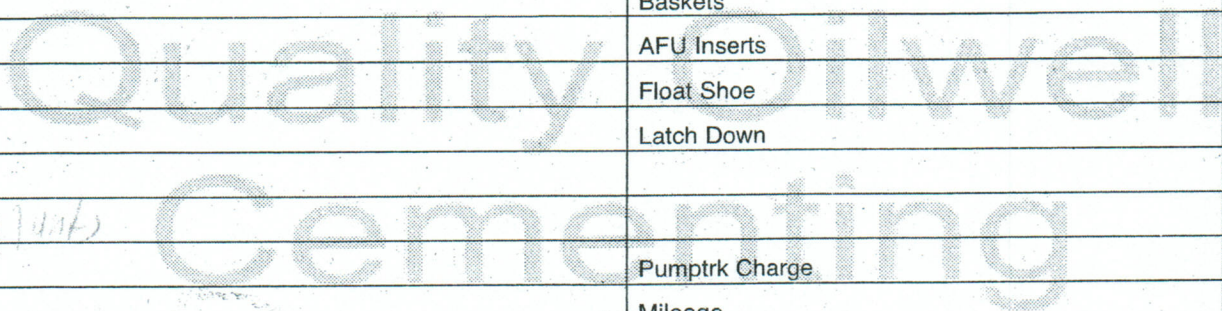
	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

Pumptrk Charge

Mileage

	Tax
	Discount
	Total Charge

X Signature *[Signature]*





CHARGE TO: MUSTANG Energy
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

TICKET 35195

PAGE 1 OF 1

1. SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. <u>Hays Ks</u>	# <u>2</u>	<u>Grey</u>	<u>Ellis</u>	<u>KS</u>		<u>8-18-21</u>	
2. <u>Ness City Ks</u>	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
	<input type="checkbox"/> WELL TYPE	<u>Maverick</u>		<u>Get</u>	<u>LOCATION</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION		
		<u>Oil</u>	<u>Development</u>				

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<u>525</u>					MILEAGE TRV # 111	<u>15</u>	<u>mi</u>			<u>6.00</u>	<u>90.00</u>
<u>526D</u>					Ramp Charge - Port-Collar	<u>1</u>	<u>EA</u>			<u>1500.00</u>	<u>1500.00</u>
<u>290</u>					D-Air	<u>1</u>	<u>bar</u>			<u>42.00</u>	<u>42.00</u>
<u>330</u>					Swift Multi-Density	<u>100</u>	<u>sq</u>			<u>18.00</u>	<u>1800.00</u>
<u>581</u>					Service Charge CMT	<u>175</u>	<u>sq</u>			<u>2.00</u>	<u>350.00</u>
<u>582</u>					Drayage	<u>350</u>	<u>TM</u>			<u>1.00</u>	<u>350.00</u>

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.
X

REMIT PAYMENT TO:
SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UNDECIDED	DISAGREE
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			

ARE YOU SATISFIED WITH OUR SERVICE?
 YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL 4132.00

TAX _____

TOTAL _____

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR DAVID EDGERTON APPROVAL _____

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE

8-18-21

PAGE NO.

CUSTOMER

MUSTANG

WELL NO.

2

LEASE

GARY

JOB TYPE

PORT COLLAR

TICKET NO.

35195

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	900							ON LOCATION
								2 7/8 x 5 1/2
								PORT COLLAR - 1432
						1200		TEST PORT COLLAR - Hold
								OPEN PORT COLLAR
		4				400		GET A RATE
		4	0			400		START CMT - 100 SX C 11.2 ^{PPG}
		4	50			600		CIRC CMT - RAISE WGT TO 14.5 ^{PPG}
		4	55			600		END CMT
		4	6.5			600		Disp
						1000		CLOSE PORT COLLAR + TEST
								RUN 5 ITS TO 1600'
		3	25			300		Reverse OUT
								T.O.O.H w/ TSG
								JOB COMPLETE
								THANKS
								DAVID + ZACH + ISHAE



MUSTANG

ENERGY CORPORATION

Scale 1:240 Imperial

Well Name: GARY #2
Surface Location: SE, NW, SE, SE, Sec. 31, T11S, R19W
Bottom Location:
API: 15-051-27006
License Number: 33922
Spud Date: 7/18/2021 Time: 11:00 AM
Region: ELLIS CO
Drilling Completed: 7/25/2021 Time: 10:00 AM
Surface Coordinates: 920' FSL & 920' FEL
Bottom Hole Coordinates:
Ground Elevation: 2108.00ft
K.B. Elevation: 2115.00ft
Logged Interval: 3050.00ft To: 3750.00ft
Total Depth: 3750.00ft
Formation: ARBUCKLE, LKC
Drilling Fluid Type: CHEMICAL

OPERATOR

Company: MUSTANG ENERGY CORPORATION
Address: P.O. BOX 1121

Contact Geologist: ROD BRIN
Contact Phone Nbr: 785-623-0533
Well Name: GARY #2
Location: SE, NW, SE, SE, Sec. 31, T11S, R19W
API: 15-051-27006
Pool: Field: STAR
State: KS Country:

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: -99.46728
Latitude: 39.04757
N/S Co-ord: 920' FSL
E/W Co-ord: 920' FEL

LOGGED BY

Company:
Address: 2511 E 19TH
HAYS, KS 67601
Phone Nbr: (785) 639-0721
Logged By: Geologist Name: CAMERON BRIN

CONTRACTOR

Contractor: STP DRILLING
Rig #: 1
Rig Type: MUD ROTARAY
Spud Date: 7/18/2021 Time: 11:00 AM
TD Date: 7/25/2021 Time: 10:00 AM

ELEVATIONS

K.B. Elevation: 2115.00ft
K.B. to Ground: 7.00ft

Ground Elevation: 2108.00ft

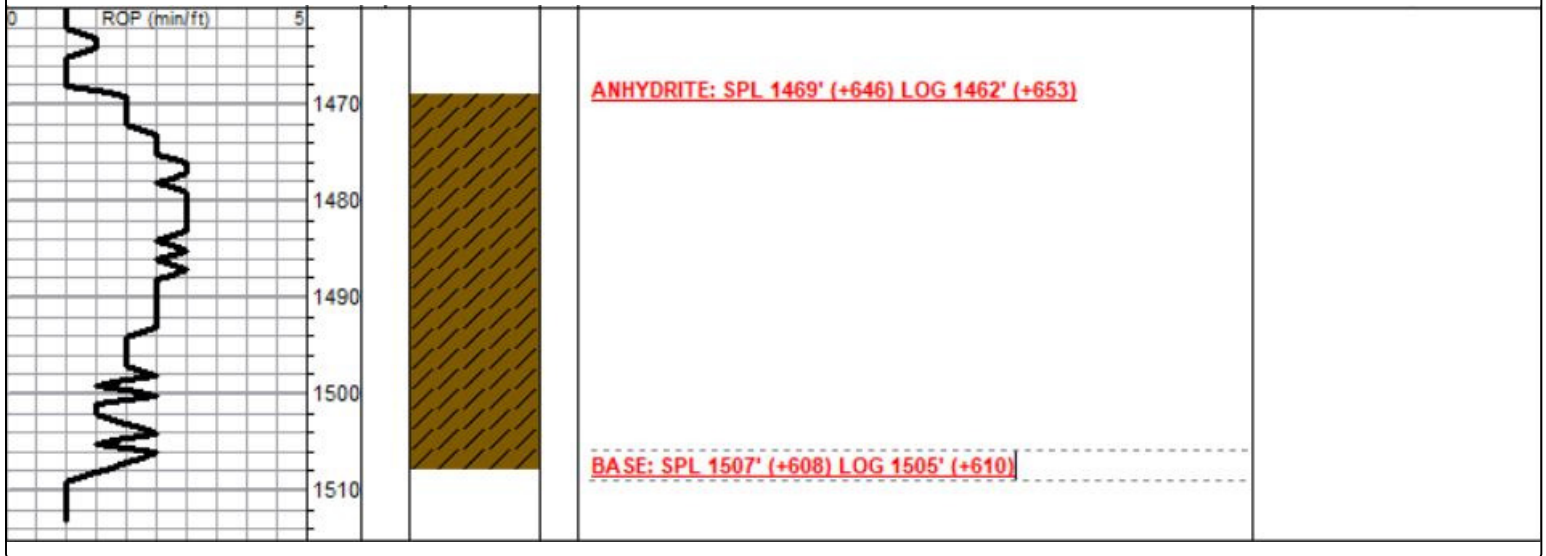
NOTES

DUE TO POSITIVE RESULTS IN DST'S #1, #2, AND #4, DESCISION WAS MADE TO RUN 5 1/2' PRODUCTION CASING TO FURTHER EVALUATE THE GARY #2 WELL.

STRUCTURAL COMPARISON

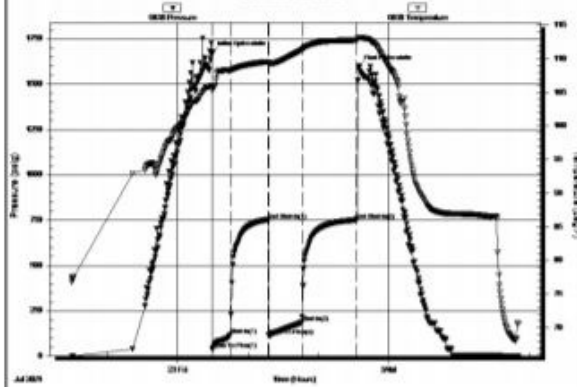
FORMATION	GARY #2				P&A 12/7/90				P&A 12/11/90				P&A 4/8/92											
	LOG TOPS		SAMPLE TOPS		DALE SOLOMON #5-31		DALE SOLOMON #3		GARY #1		DALE SOLOMON #1		DALE SOLOMON #2											
	DEPTH	DATUM	DEPTH	DATUM	LOG	LOG CORR.	SMPL. CORR.	COMP. CARD	LOG	SMPL. CORR.	LOGS	LOG CORR.	SMPL. CORR.	COMP. CARD	LOG	SMPL. CORR.	COMP. CARD	LOG	SMPL. CORR.					
ANHYDRITE TOP	1462	653	1469	646	1486	648	+ 5	- 2	1475	657	- 4	- 11	1505	647	+ 6	- 1	1474	651	+ 2	- 5	1460	656	- 3	- 10
BASE	1505	610	1507	608	1526	608	+ 2	+ 0	1513	619	- 9	- 11	1543	609	+ 1	- 1	1518	607	+ 3	+ 1	1508	608	+ 2	+ 0
TOPEKA	3122	-1007	3124	-1009	3143	-1009	+ 2	+ 0	3150	-1018	+ 11	+ 9	3167	-1015	+ 8	+ 6	3139	-1014	+ 7	+ 5	3131	-1015	+ 8	+ 6
HEEBNER SHALE	3344	-1229	3346	-1231	3362	-1228	- 1	- 3	3372	-1240	+ 11	+ 9	3387	-1235	+ 6	+ 4	3360	-1235	+ 6	+ 4	3355	-1239	+ 10	+ 8
TORONTO	3365	-1250	3368	-1253	3384	-1250	+ 0	- 3	3394	-1262	+ 12	+ 9	3409	-1257	+ 7	+ 4	3384	-1259	+ 9	+ 6	3379	-1263	+ 13	+ 10
LKC	3384	-1269	3386	-1271	3402	-1268	- 1	- 3	3413	-1281	+ 12	+ 10	3427	-1275	+ 6	+ 4	3402	-1277	+ 8	+ 6	3397	-1281	+ 12	+ 10
BKC	3605	-1490	3609	-1494	3622	-1488	- 2	- 6	3640	-1508	+ 18	+ 14	3648	-1496	+ 6	+ 2	3628	-1503	+ 13	+ 9	3623	-1507	+ 17	+ 13
CONGLOMERATE									3696	-1564														
ARBuckle	3674	-1559	3677	-1562	3691	-1557	- 2	- 5	3727	-1595	+ 36	+ 33	3717	-1565	+ 6	+ 3	3698	-1573	+ 14	+ 11	3692	-1576	+ 17	+ 14
TOTAL DEPTH	3750	-1635	3750	-1635	3736	-1602	- 33	- 33	3729	-1597	- 38	- 38	3790	-1638	+ 3	+ 3	3707	-1582	- 53	- 53	3700	-1584	- 51	- 51

ANHYDRITE



DST #1 3396'-3450' (LKC C-D)

	DRILL STEM TEST REPORT	
	Mustang Energy Corp PO BOX 1121 Hays KS 67601+1121 ATTN: Cameron Brin	31-11s-19w Ellis KS Gary #2 Job Ticket: 67751 DST# 1 Test Start: 2021.07.22 @ 22:30:00
GENERAL INFORMATION: Formation: LKC C-D Deviated: No Whipstock: ft (KB) Time Tool Opened: 00:29:42 Time Test Ended: 04:50:32 Interval: 3396.00 ft (KB) To 3450.00 ft (KB) (TVD) Total Depth: 3450.00 ft (KB) (TVD) Hole Diameter: 7.88 inches Hole Condition: Fair Reference Elevations: 2115.00 ft (KB) 2107.00 ft (CF) KB to GR/CF: 8.00 ft		
Serial #: 6838 Inside Press@RunDepth: 184.21 psig @ 3399.00 ft (KB) Capacity: psig Start Date: 2021.07.22 End Date: 2021.07.23 Last Calib.: 2021.07.23 Start Time: 22:30:01 End Time: 04:50:32 Time On Btm: 2021.07.23 @ 00:29:37 Time Off Btm: 2021.07.23 @ 02:34:27		
TEST COMMENT: 15-F-BOB 9 mins Built to 26 3/4" 30-ISI-Surface to 1/4" Died @ 27 mins 30-FF-BOB 7 mins Built to 42 3/4" 45-FSI-Surface to 6 1/2"		
Pressure vs. Time		PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1675.36	106.03	Initial Hydro-static
1	36.45	105.29	Open To Flow (1)
16	114.84	108.29	Shut-in(1)
48	751.27	109.53	End Shut-in(1)
48	113.87	109.38	Open To Flow (2)
77	184.21	111.36	Shut-in(2)
123	750.64	112.76	End Shut-in(2)
125	1597.54	113.14	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
120.00	GWCOM 10%G 10%W 15%O 65%M	0.59
70.00	GSWCOM 10%G 2%W 25%O 63%M	0.99
220.00	GO 25%G 75%O	3.12
0.00	315 GP 100%G	0.00


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

Trilobite Testing, Inc

Ref. No: 67751

Printed: 2021.07.23 @ 06:54:12

DST #2 3446'-3491' (LKC E-G)



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mustang Energy Corp **31-11s-19w Ellis KS**

PO BOX 1121 **Gary #2**
Hays KS 67601+1121

Job Ticket: 67752 **DST#: 2**

ATTN: Cameron Brin **Test Start: 2021.07.23 @ 12:05:00**

GENERAL INFORMATION:

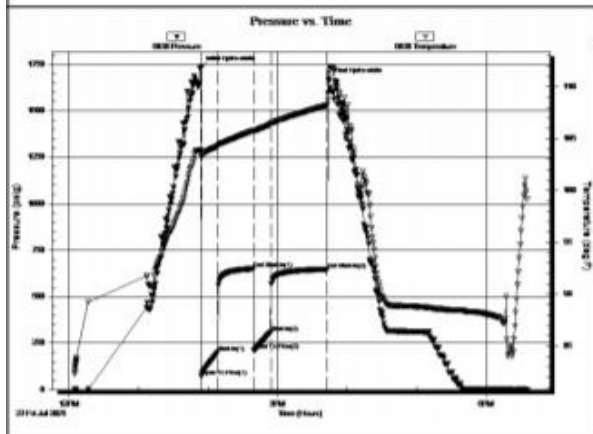
Formation: **LKC E-F**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 13:54:17
 Tester: Spencer J Staab
 Time Test Ended: 18:35:32
 Unit No: 84

Interval: **3446.00 ft (KB) To 3491.00 ft (KB) (TVD)**
 Reference Elevations: 2115.00 ft (KB)
 Total Depth: 3491.00 ft (KB) (TVD)
 2107.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 8.00 ft

Serial #: 6838 Inside

Press@RunDepth: 309.72 psig @ 3449.00 ft (KB) Capacity: psig
 Start Date: 2021.07.23 End Date: 2021.07.23 Last Calib.:
 Start Time: 12:05:01 End Time: 18:35:32 Time On Btm: 2021.07.23 @ 13:54:07
 Time Off Btm: 2021.07.23 @ 15:44:17

TEST COMMENT: 15-F-BOB 3 mins Built to 55 3/4"
 30-IS-Surface to 2"
 15-F-BOB 3 1/2 mins Built to 45 3/4"
 45-FS-Surface to 4"



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1733.18	103.65	Initial Hydro-static
1	71.34	103.19	Open To Flow (1)
15	201.13	104.33	Shut-in(1)
46	650.67	105.79	End Shut-in(1)
46	212.22	105.75	Open To Flow (2)
61	309.72	106.44	Shut-in(2)
109	648.09	108.27	End Shut-in(2)
111	1668.43	111.16	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
185.00	GVSOCLMW 10%G 2%O 10%M 78%W	1.51
475.00	GMCWO 10%G 20%M 30%W 40%O	6.73

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

0.00	420 GP 100%G	0.00


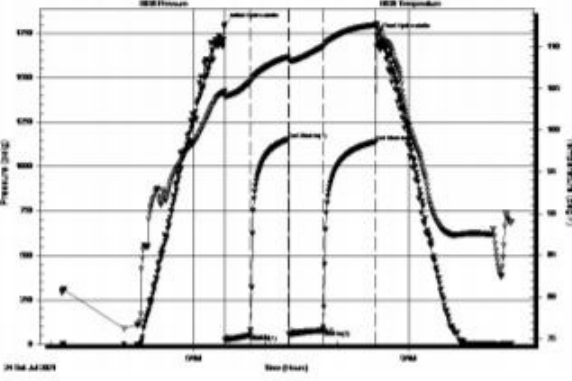
* Recovery from multiple tests

TriLOBITE Testing, Inc


Ref. No: 67752

Printed: 2021.07.23 @ 21:40:29

DST #3 3530'-3590' (LKC I-K)

	DRILL STEM TEST REPORT																																						
Mustang Energy Corp	31-11s-19w Ellis KS																																						
PO BOX 1121 Hays KS 67601+1121	Gary #2																																						
ATTN: Cameron Brin	Job Ticket: 67753	DST#: 3																																					
	Test Start: 2021.07.24 @ 04:10:00																																						
GENERAL INFORMATION:																																							
Formation: LKC I-K			Test Type: Conventional Bottom Hole (Reset)																																				
Deviated: No Whipstock: ft (KB)			Tester: Spencer J Staab																																				
Time Tool Opened: 06:25:57			Unit No: 84																																				
Time Test Ended: 10:25:52																																							
Interval: 3530.00 ft (KB) To 3590.00 ft (KB) (TVD)	Reference Elevations:		2115.00 ft (KB)																																				
Total Depth: 3590.00 ft (KB) (TVD)			2107.00 ft (CF)																																				
Hole Diameter: 7.88 inches Hole Condition: Fair	KB to GR/CF:		8.00 ft																																				
Serial #: 6838 Inside																																							
Press@RunDepth: 78.11 psig @ 3533.00 ft (KB)	Capacity:	psig																																					
Start Date: 2021.07.24 End Date: 2021.07.24	Last Calib.:	2021.07.24																																					
Start Time: 04:10:01 End Time: 10:25:52	Time On Btm:	2021.07.24 @ 06:25:52																																					
	Time Off Btm:	2021.07.24 @ 08:33:02																																					
TEST COMMENT:																																							
20-IF-Surface to 2 3/4"																																							
30-ISI-Surface Blow																																							
30-FF-Surface to 2 1/2"																																							
45-FSI-Very Weak Surface Blow																																							
Pressure vs. Time		PRESSURE SUMMARY																																					
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TriLOBITE Testing, Inc		Ref. No: 67753																																					
		Printed: 2021.07.24 @ 11:33:47																																					

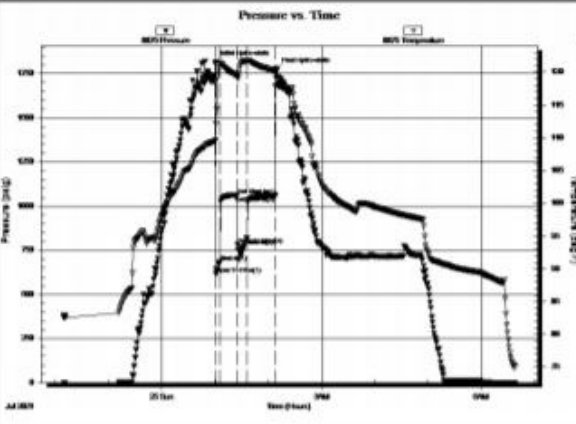
DST #4 3606'3695' (ARB)

	DRILL STEM TEST REPORT		
Mustang Energy Corp	31-11s-19w Ellis KS		
PO BOX 1121 Hays KS 67601+1121	Gary #2		
ATTN: Cameron Brin	Job Ticket: 67754	DST#: 4	
	Test Start: 2021.07.24 @ 22:10:03		
GENERAL INFORMATION:			
Formation: Arbuckle			

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 01:01:27 Tester: Spencer J Staab
 Time Test Ended: 06:38:21 Unit No: 84
Interval: 3606.00 ft (KB) To 3695.00 ft (KB) (TVD) Reference Elevations: 2115.00 ft (KB)
 Total Depth: 3695.00 ft (KB) (TVD) 2107.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8875 Inside
 Press@RunDepth: 814.75 psig @ 3609.00 ft (KB) Capacity: psig
 Start Date: 2021.07.24 End Date: 2021.07.25 Last Calib.: 2021.07.25
 Start Time: 22:10:03 End Time: 06:38:22 Time On Btm: 2021.07.25 @ 01:00:36
 Time Off Btm: 2021.07.25 @ 02:08:52

TEST COMMENT: 5-IF-BOB 20 secs Built to 94"
 20-ISI-Weak Surface
 10-FF-BOB 25 secs Built to 168"
 30-FSI-No Return



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1812.43	109.65	Initial Hydro-static
1	614.84	112.14	Open To Flow (1)
6	683.94	121.22	Shut-in(1)
25	1062.63	119.36	End Shut-in(1)
26	780.92	119.21	Open To Flow (2)
36	814.75	121.71	Shut-in(2)
68	1056.19	120.18	End Shut-in(2)
69	1774.34	120.22	Final Hydro-static

Length (ft)	Description	Volume (bbl)
120.00	GVSOOW 5g 2o 10m 83w	0.59
1500.00	GMOOW 10g 15m 20o 55w	21.26

* Recovery from multiple tests

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

Triblote Testing, Inc Ref. No: 67754 Printed: 2021.07.25 @ 08:00:16

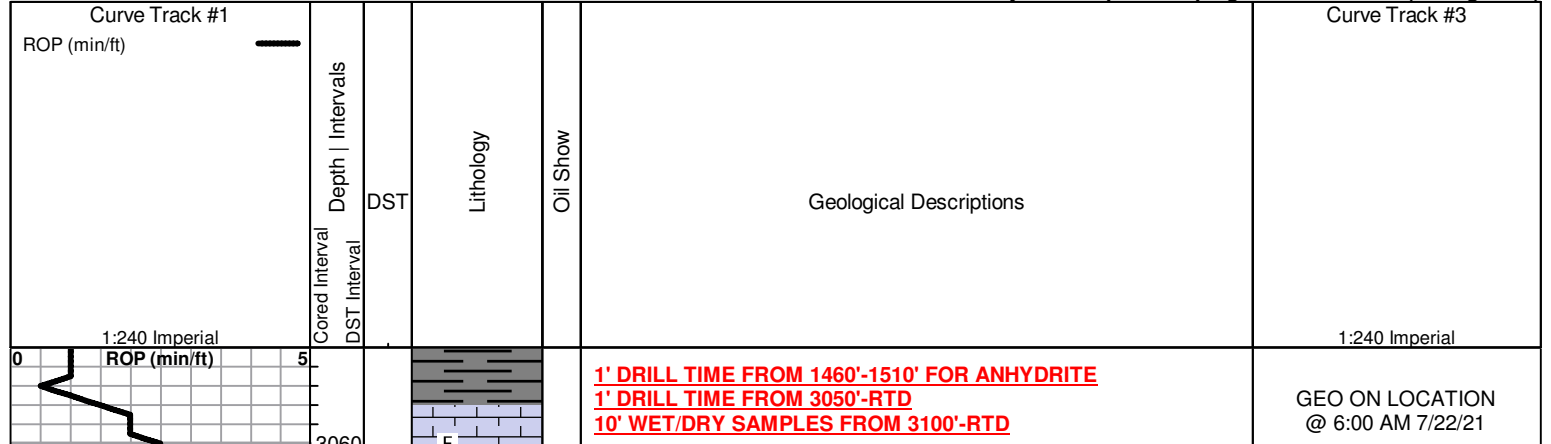
ROCK TYPES

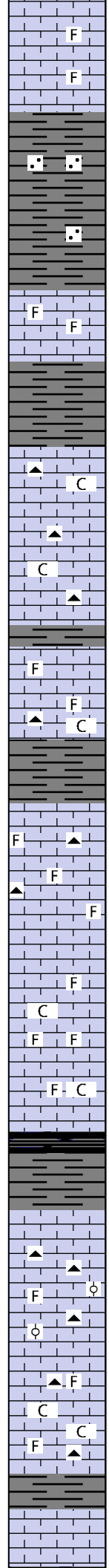
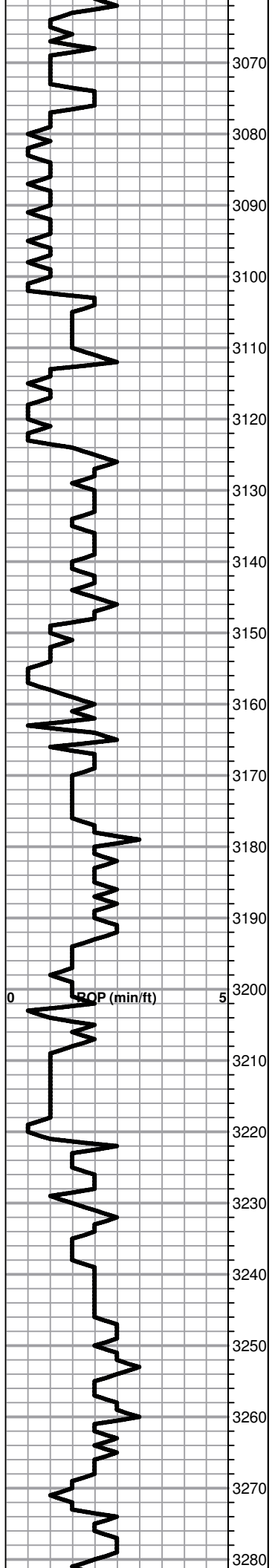
Congl	Dolprim	shale, grn	Carbon Sh
Chtcongl	Lmst fw7>	shale, gry	shale, red

ACCESSORIES

MINERAL ▲ Chert, dark • Sandy ◊ Euhed rhombs of dol or	FOSSIL F Fossils < 20% ◊ Oolite	STRINGER ~ Chert — green shale	TEXTURE C Chalky
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Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca)





Lm- tan, v.fnxln, foss

Sh- gray, sandy

Lm- crm-tan, fnxln, scat foss, dnse in prt

TOPEKA: SPL 3124' (-1009) LOG 3122' (-1007)

Lm- crm-gray, v.fnxln, cherty in prt, scat chalky

Lm- A/A

Lm- gray-tan, v.fn-fnxln, scat foss, scat pr inxln por, NSO

Lm- tan, v.fnxln, chalky in prt, scat brn chert

Lm- tan, v.fnxln, scat foss, scat brn chert

Lm- tan, fnxln, foss

Lm- tan-gray, fnxln, scat foss, chalky

Lm- crm-tan, fnxln, scat foss, friable in prt, scat chalky, scat brn chert

Sh- blk, carb

Lm- crm, microxln, cherty throughout

Lm- crm, v.fnxln, foss, scat oolitic, scat chert

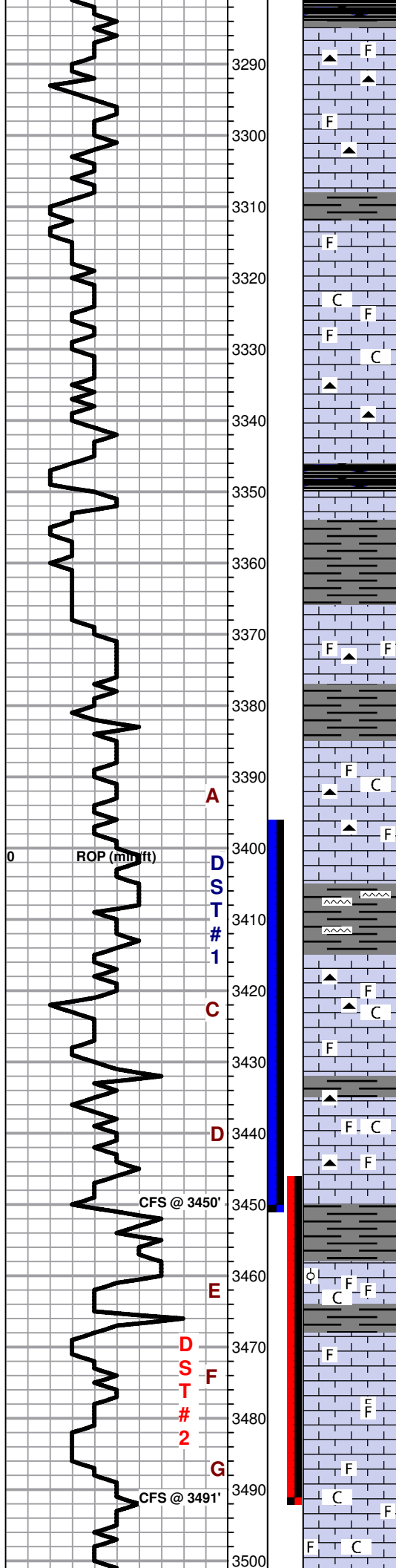
Lm- A/A, chalky in prt

Lm- tan-gray, v.fnxln, scat foss, chalky, scat chert

SET 8 5/8" SURFACE
CASING @ 214' KB

DISPLACED MUD @
3040'

SURVEY @ 214' (1/2")



Sh- blk, carb

:Lm- crm-wt, v.fnxln, scat foss, scat chert

Lm- tan-gray, v.fnxln, scat foss, sandy in prt, scat chert

Lm- crm-tan, fnxln scat foss, 1-2 pcs, pr-fr inxln por, friable, v. lt brn stn, NSFO, pr-fr odor

Lm- crm-tan, fnxln, scat foss, sli chalky

Lm- A/A scat chert

HEEBNER: SPL 3346' (-1231) LOG 3344' (-1229)

Sh- blk, carb

TORONTO: SPL 3368' (-1253) LOG 3365' (-1250)

Lm- crm, v.fn-fnxln, foss, cherty in prt, scat pr inxln por, 1 pc pr-fr lt brn stn, sli sheen FO upon crush, sli odor

LKC: SPL 3386' (-1271) LOG 3384' (-1269)

Lm- crm, microxln, scat foss, cherty in prt, chalky in prt

Lm- A/A, scat pr inxln -infoss por, NSO

Sh- brn-gray, scat chert

Lm- crm, fnxln, scat foss, chalky in prt, scat chert, scat fr inxln por, fr brn stn & sat, sli sheen FO upon crush and droplets in cup, fr odor

Lm- crm, v.fn-fnxln, scat foss, scat chert, sli chalky in prt, scat pr-fr inxln por w/ scat vugs, pr-fr brn stn & sat, fr SFO droplets bleeding from pores when heated, fr odor

Lm- crm, v.fn-fnxln, foss, oolitic in prt, sli chalky in prt, scat pr w/ few pcs fr inxln-infoss por, few scat vugs, pr-fr lt brn stn, sli sheen FO in cup, fr odor

Lm- crm, fnxln, barren in prt, foss, scat pr-fr infoss-inxln por, few scat vugs, pr w/ few pcs fr brn stn & sat, sli sheen FO upon crush, pr-fr odor

Lm- A/A

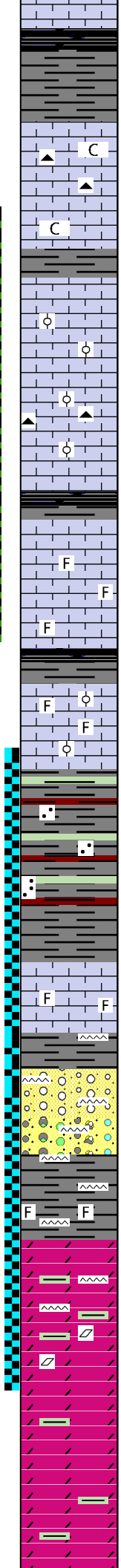
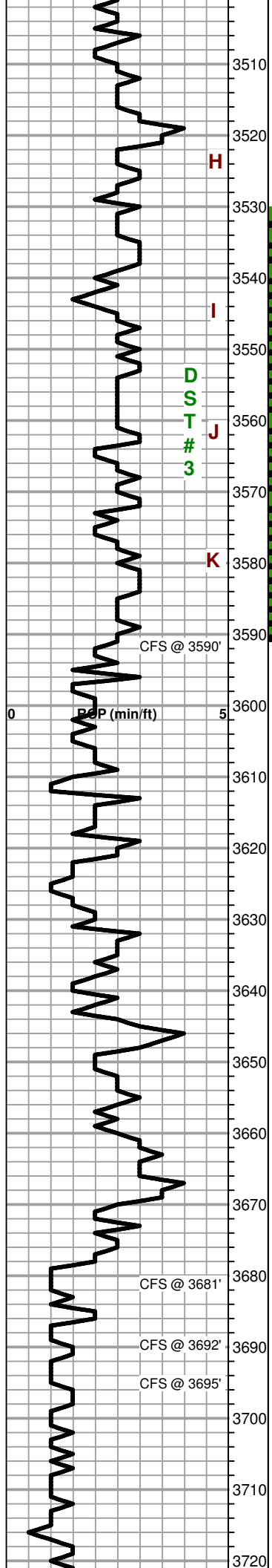
Lm- crm-wt, v.fnxln, barren, foss, chalky in prt

DST #1
 3396'-3450' (LKC C-D)
 15-30-30-45
 120' GWCOM
 70' GSWCOM
 220' GO
 315' GIP
 SIP: 751-750#

SURVEY @ 3450' (3/4")

PIPE STRAP 0.19'
 SHORT TO BOARD

DST #2
 3446'-3491' (LKC E-G)
 15-30-15-45
 185' GVSOCMW
 475' GMCWO
 420' GIP
 SIP: 650-648#



3510 Sh- blk carb
3515 Chert- brn
3520 Lm- crm, v.fnxln, scat foss, chalky in prt, scat tan chert
3530
3540
3550 Lm- crm, v.fnxln, foss, oolitic in prt, few scat pcs pr inxln-infoss por, pr brn stn, sli SFO upon crush, sli odor
3560 Lm- crm, fnxln, scat foss, oolitic in prt, cherty in prt, scat pr-fr inxln-infoss por, few scat pcs w/ fr oomoldic por, mostly pr brn stn w/ few pcs fr, FO droplets in cup, fr odor
3570
3580 Lm- crm, v.fn-fnxln, scat foss, mostly barren, few scat pcs pr w/ few fr inxln por, pr-fr brn stn, sli sheen FO in cup, sli odor
3590
3600 Sh- blk, carb
3605 Lm- crm, v.fnxln, foss, oolitic in prt, mostly dnse
3610 **BKC: SPL 3609' (-1494) LOG 3608' (-1493)**
3620 Sh- gray, green, red, sandy in prt
3630
3640 Lm-cong- wt-brn, fnxln-mdgrn foss, scat red-gray shales, 1pc pr inxln por, pr brn stn, SFO upon crush, sli-no odor
3650
3660 Lm--cong, crm-brn, fairly dnse, scat orance chert, scat SS clusters, calcite cement, well cemented, poorly sorted, poorly rounded
3670
3680 **ARBUCKLE: SPL 3677' (-1562) LOG 3674' (-1559)**
3685 Dolo-wt,fn-mdxln, weathered in prt, sucrosic in prt, few scat pcs pr inxln por, pr-fr brn stn, sheen FO in cup, sli odor, scat orance chert, scat aqua-brn shales
3690 Dolo- wt, fn-mdxln, sucrosic in prt, friable in prt, few scat vugs, few scat small rhombic xls, scat fr inxln por, fr blk stn w/ some gd sat, FO droplets in cup and upon crush, fr odor
3700 Dolo-wt, fn-mdxln, sucrosic, friable in prt, scat fr inxln por w/ few scat vugs, fr-gd blk stn & sat, FO droplets in cup & spl, fr odor
3710 Dolo- wt, fn-mdxln, sucrosic in prt, scat pr-fr inxln por w/ few scat vugs, scat fr blk stn & sat, FO droplets & sheen in cup and upon crush, sli odor
3720 Dolo- wt, fnxln, scat sucrosic, mostly pr w/ few pcs fr inxln por, pr-fr blk stn & sat, FO droplets in cup & spl, pr-fr odor

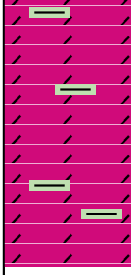
DST #3
3530'-3590' (LKC I-K)
20-30-30-45
120' GOCMW w/ O spts
15' GVSOCWM
200' FAINT GIP
SIP: 1153-1139#

DST #4
3606'-3695' (ARB)
5-20-10-30
120' GVSOCMW
1500' GMCOW
SIP: 1062-1056#

SURVEY @ 3495' (1°)

stn & sat, FO droplets in cup & spl, pr-fr odor

3730
3740
3750
3760
3770



D

Dolo- wt-pink, v.fn-fnxln, pr inxln por, pr w/ few pcs fr blk stn, FO droplets in cup & spl, pr-fr odor, scat pcs w/ dead blk oil stn

RTD: SPL 3750' (-1635) LOG 3750' (-1635)

GEO OFF LOCATION
@ 4:00 PM 7/25/21