KOLAR Document ID: 1588926

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 # 33922
Name: Mustang Energy Corporation
Address 1: PO BOX 1121
Address 2:
City: HAYS State: KS Zip: 67601 + 1121
Contact Person: Rod Brin
Phone: (785) 623-0533
CONTRACTOR: License # 35410
Name: STP Drilling LLC
Wellsite Geologist: Cameron Brin
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 #:

07/26/2021	08/1/2021	08/17/2021
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-051-27007-00-00
Spot Description:
NW SW NE SE Sec. 31 Twp. 11 S. R. 19 ☐ East ☑ West
1830 Feet from ☐ North / ☑ South Line of Section
1175 Feet from ☑ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW

GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Ellis
Lease Name: GARY Well #: 3
Field Name: Star
Producing Formation: NA
Elevation: Ground: 2131 Kelly Bushing: 2138
Total Vertical Depth: 3780 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 214 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: 46000 ppm Fluid volume: 400 bbls
Dewatering method used: Evaporated

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: 08/31/2021
☐ **Confidential Release Date:** 08/31/2023
☑ **Wireline Log Received** ☑ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☑ **UIC Distribution**
ALT ☐ **I** ☑ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 09/01/2021

Operator Name: Mustang Energy Corporation Lease Name: GARY Well #: 3

Sec. 31 Twp. 11 S. R. 19 ☐ East ☑ West County: Ellis

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 *(Attach Additional Sheets)*	☑ Yes	☐ No
Samples Sent to Geological Survey	☐ Yes	☑ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☑ Yes	☐ No
Geologist Report / Mud Logs	☑ Yes	☐ No

List All E. Logs Run:

Micro Log
Compensated Density/Neutron Log
Dual Induction Log

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Anhydrite	1484	+654
Base	1528	+610
Heebner	3376	-1238
LKC	3416	-1278
BKC	3637	-1499
Arbuckle	3706	-1568

CASING RECORD ☑ New ☐ 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
Surface	.25	.625	23	214	80/20 poz	150	3%cc 2%gel
Production	.875	5.5	15.5	3778	QMDC	425	1/4 FLO 10% SALT

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☑ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	3706-3708	Common	50	none
	-			

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: 08/31/2021	Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☑ Other *(Explain)* SWD				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:	
		Top	Bottom
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☑ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	3778	3847

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*
	3778	3847			2000 gal. 28% FE

TUBING RECORD:	Size:	Set At:	Packer At:	
	2.375	3761	3765	

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Mustang Energy Corporation
Well Name	GARY 3
Doc ID	1588926

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	.25	.625	23	214	80/20 poz	150	3%cc 2%gel
Production	.875	5.5	15.5	3778	QMDC	425	1/4 FLO 10% SALT

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Mustang Energy Corp**

PO Box 1121
Hays, KS 67601-1121

ATTN: Cameron Brin

Gary #3

31-11s-19w, Ellis,KS

Start Date: 2021.07.30 @ 08:40:00
End Date: 2021.07.30 @ 13:53:02
Job Ticket #: 51064 DST #: 1

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

Printed: 2021.08.03 @ 14:42:52

DRILL STEM TEST REPORT

Mustang Energy Corp

PO Box 1121
Hays, KS 67601-1121

ATTN: Cameron Brin

31-11s-19w, Ellis,KS

Gary #3

Job Ticket: 51064 **DST#: 1**

Test Start: 2021.07.30 @ 08:40:00

GENERAL INFORMATION:

Formation: **LKC C - D**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:20:47
Time Test Ended: 13:53:02

Test Type: Conventional Bottom Hole (Initial)
Tester: Kevin Webster
Unit No: 72

Interval: 3433.00 ft (KB) To 3480.00 ft (KB) (TVD)
Total Depth: 3480.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

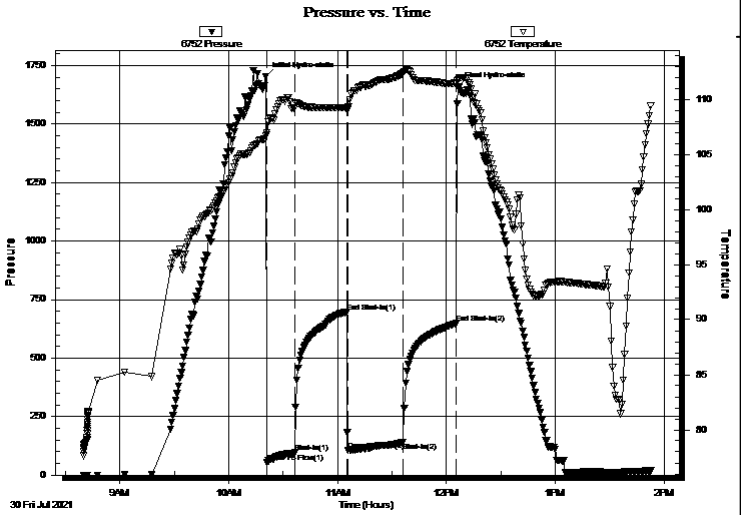
Reference Elevations: 2138.00 ft (KB)
2131.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 6752 **Outside**

Press@RunDepth: 139.68 psig @ 3469.00 ft (KB)
Start Date: 2021.07.30 End Date: 2021.07.30
Start Time: 08:40:01 End Time: 13:53:02

Capacity: psig
Last Calib.: 2021.07.30
Time On Btm: 2021.07.30 @ 10:20:17
Time Off Btm: 2021.07.30 @ 12:06:17

TEST COMMENT: IF-Fair blow built to 6.75" 15 min
ISI- No blow back 30 min
FF-Weak blow built to 8" 30 min
FSI- No blow back 30 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1701.90	106.64	Initial Hydro-static
1	52.96	106.81	Open To Flow (1)
16	96.05	109.24	Shut-In(1)
45	697.83	109.25	End Shut-In(1)
46	105.87	109.26	Open To Flow (2)
76	139.68	112.37	Shut-In(2)
106	648.55	111.49	End Shut-In(2)
106	1657.97	111.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
119.00	MCW 30%M 70%W	0.59
98.00	MW 50%M 50%W	1.37

Gas Rates

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

DRILL STEM TEST REPORT

Mustang Energy Corp

PO Box 1121
Hays, KS 67601-1121

ATTN: Cameron Brin

31-11s-19w, Ellis,KS

Gary #3

Job Ticket: 51064 **DST#: 1**

Test Start: 2021.07.30 @ 08:40:00

GENERAL INFORMATION:

Formation: **LKC C - D**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:20:47
Time Test Ended: 13:53:02

Test Type: Conventional Bottom Hole (Initial)
Tester: Kevin Webster
Unit No: 72

Interval: 3433.00 ft (KB) To 3480.00 ft (KB) (TVD)
Total Depth: 3480.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

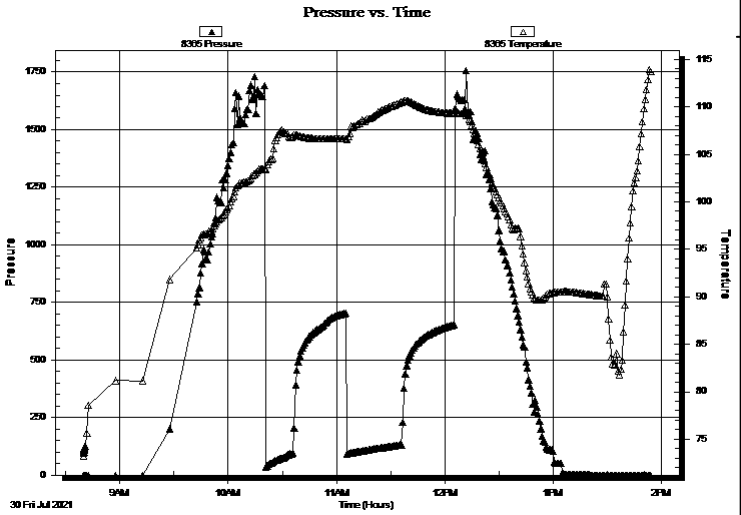
Reference Elevations: 2138.00 ft (KB)
2131.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8365 **Inside**

Press@RunDepth: psig @ 3469.00 ft (KB)
Start Date: 2021.07.30 End Date: 2021.07.30
Start Time: 08:40:01 End Time: 13:54:02

Capacity: psig
Last Calib.: 2021.07.30
Time On Btm:
Time Off Btm:

TEST COMMENT: IF-Fair blow built to 6.75" 15 min
ISI- No blow back 30 min
FF-Weak blow built to 8" 30 min
FSI- No blow back 30 min



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
119.00	MCW 30%M 70%W	0.59
98.00	MW 50%M 50%W	1.37

Gas Rates

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

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 #3

Job Ticket: 51064 **DST#: 1**

Test Start: 2021.07.30 @ 08:40:00

Tool Information

Drill Pipe:	Length:	3320.00 ft	Diameter:	3.80	inches	Volume:	46.57	bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	119.00 ft	Diameter:	2.25	inches	Volume:	0.59	bbl	
						Total Volume:	47.16	bbl	

Drill Pipe Above KB:	25.00 ft
Depth to Top Packer:	3433.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	47.00 ft
Tool Length:	66.00 ft
Number of Packers:	1
Diameter:	7.75 inches

Tool Weight:		2000.00 lb
Weight set on Packer:		25000.00 lb
Weight to Pull Loose:		49000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	48000.00 lb
	Final	49000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut-In Tool	5.00			3419.00		
Hydraulic tool	5.00			3424.00		
Top Packer	5.00			3429.00		
Packer	4.00			3433.00	19.00	Bottom Of Top Packer
Stubb	1.00			3434.00		
Perforations	2.00			3436.00		
Change Over Sub	1.00			3437.00		
Drill Pipe	31.00			3468.00		
Change Over Sub	1.00			3469.00		
Recorder	0.00	8365	Inside	3469.00		
Recorder	0.00	6752	Outside	3469.00		
perforations	8.00			3477.00		
Bullnose	3.00			3480.00	47.00	Anchor Tool
Total Tool Length:	**66.00**					

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 #3

Job Ticket: 51064 **DST#: 1**

Test Start: 2021.07.30 @ 08:40:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	8.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	53.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.97 in³	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
119.00	MCW 30%M 70%W	0.585
98.00	MW 50%M 50%W	1.375

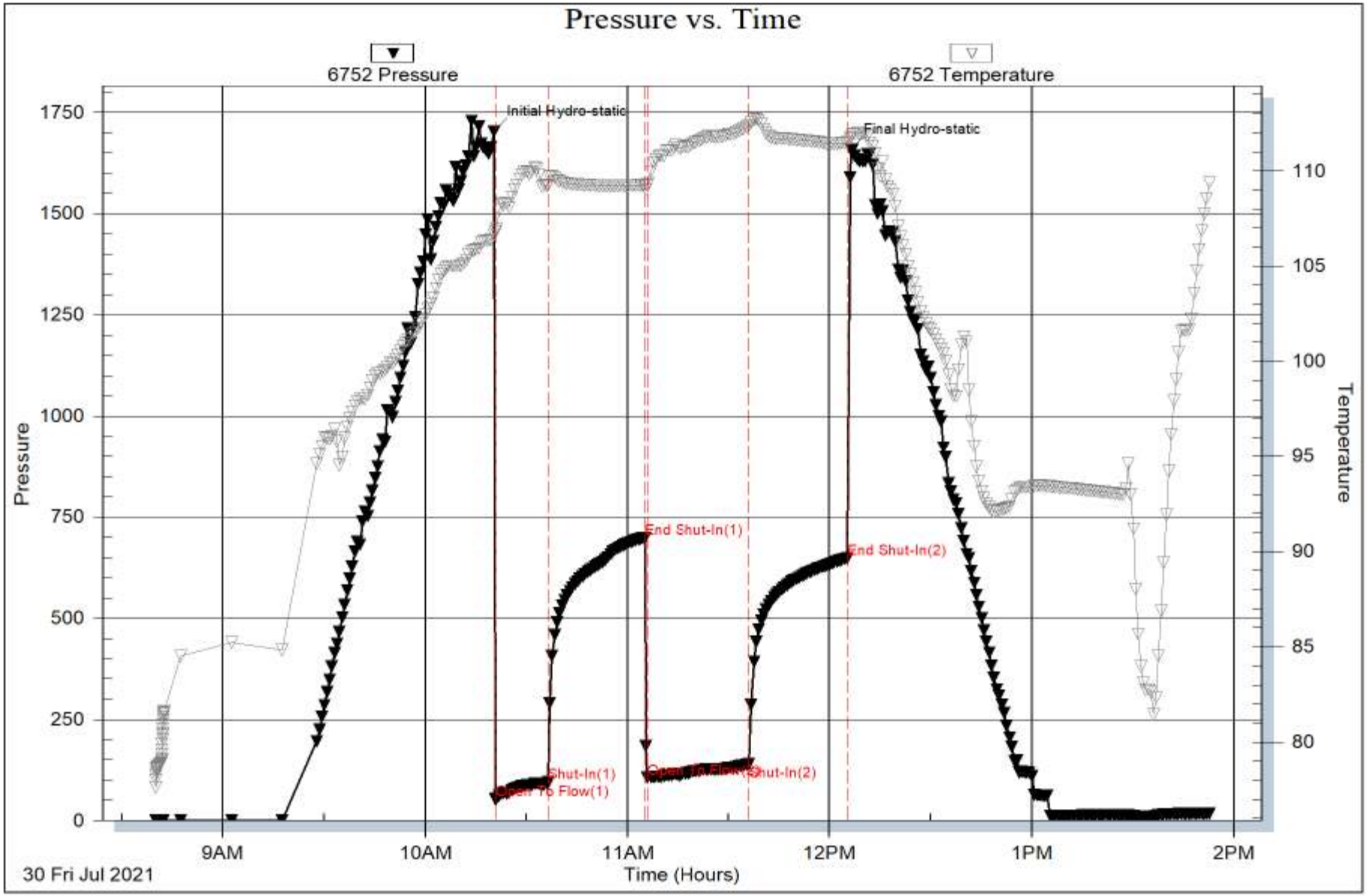
Total Length: 217.00 ft Total Volume: 1.960 bbl

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

Laboratory Name: Laboratory Location:

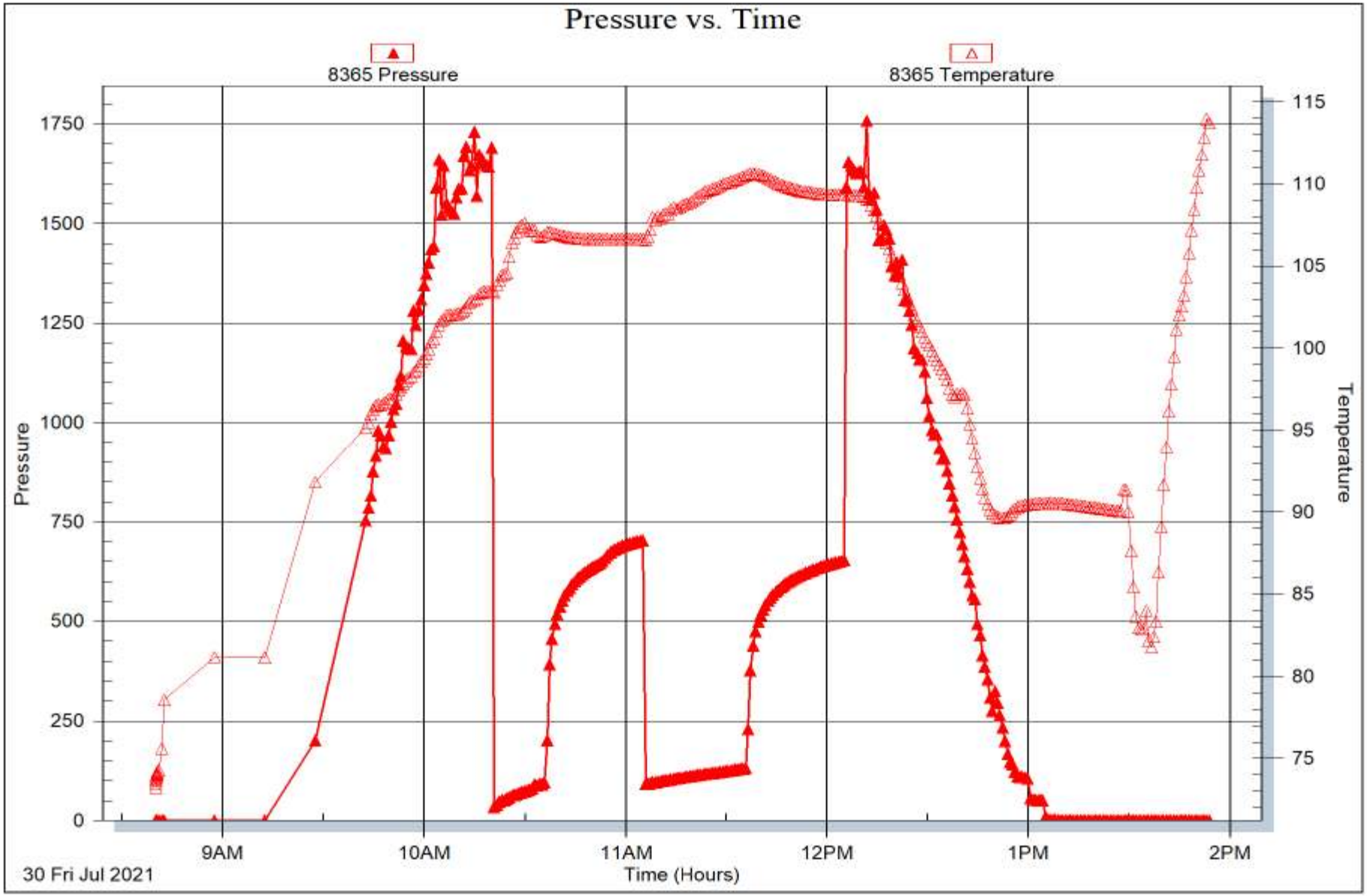
Recovery Comments: 2# LCM

Serial #: 6752 **Outside** Mustang Energy Corp Gary #3 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 51064 Printed: 2021.08.03 @ 14:42:52

Serial #: 8365 **Inside** Mustang Energy Corp Gary #3 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 51064 Printed: 2021.08.03 @ 14:42:52

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Mustang Energy Corp**

PO Box 1121
Hays, KS 67601-1121

ATTN: Cameron Brin

Gary #3

31-11s-19w, Ellis,KS

Start Date: 2021.07.31 @ 11:25:00
End Date: 2021.07.31 @ 18:13:02
Job Ticket #: 51065 DST #: 2

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

Printed: 2021.08.03 @ 14:42:02

DRILL STEM TEST REPORT

Mustang Energy Corp

PO Box 1121
Hays, KS 67601-1121

ATTN: Cameron Brin

31-11s-19w, Ellis,KS

Gary #3

Job Ticket: 51065 **DST#: 2**

Test Start: 2021.07.31 @ 11:25:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:12:47
Time Test Ended: 18:13:02

Test Type: Conventional Bottom Hole (Initial)
Tester: Kevin Webster
Unit No: 72

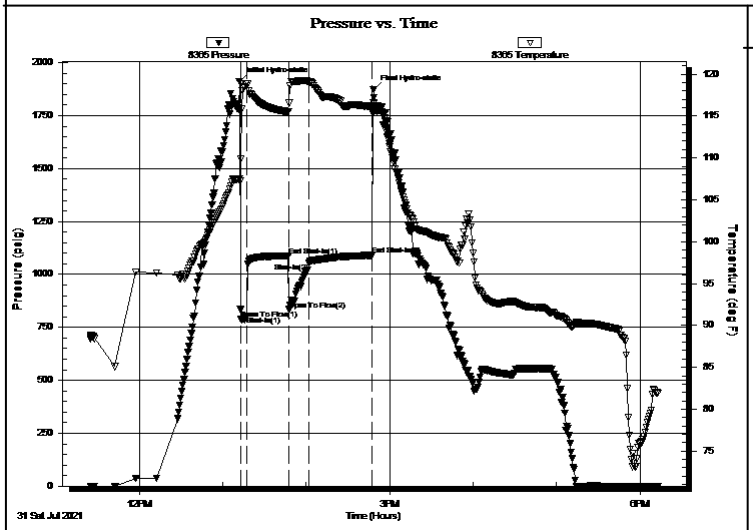
Interval: 3633.00 ft (KB) To 3719.00 ft (KB) (TVD)
Total Depth: 3719.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2138.00 ft (KB)
2131.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8365 **Inside**
Press@RunDepth: 1054.57 psig @ 3701.00 ft (KB)
Start Date: 2021.07.31 End Date: 2021.07.31
Start Time: 11:25:01 End Time: 18:13:02

Capacity: psig
Last Calib.: 2021.07.31
Time On Btm: 2021.07.31 @ 13:11:47
Time Off Btm: 2021.07.31 @ 14:48:17

TEST COMMENT: IF-Strong blow bob in 30 sec 5 min
ISI- No blow back 15 min
FF- Strong blow Bob in 30 sec 15 min
FSI- No blow back 45 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1912.05	107.53	Initial Hydro-static
1	789.96	109.85	Open To Flow (1)
6	801.53	118.85	Shut-In(1)
36	1088.79	115.54	End Shut-In(1)
36	833.78	116.55	Open To Flow (2)
51	1054.57	119.10	Shut-In(2)
96	1090.13	116.11	End Shut-In(2)
97	1874.78	116.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1643.00	MCW 25%M 75%W	21.96
310.00	SMCW 5%M 95%W	4.35

Gas Rates

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

DRILL STEM TEST REPORT

Mustang Energy Corp

PO Box 1121
Hays, KS 67601-1121

ATTN: Cameron Brin

31-11s-19w, Ellis,KS

Gary #3

Job Ticket: 51065 **DST#: 2**

Test Start: 2021.07.31 @ 11:25:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:12:47
Time Test Ended: 18:13:02

Test Type: Conventional Bottom Hole (Initial)
Tester: Kevin Webster
Unit No: 72

Interval: 3633.00 ft (KB) To 3719.00 ft (KB) (TVD)
Total Depth: 3719.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

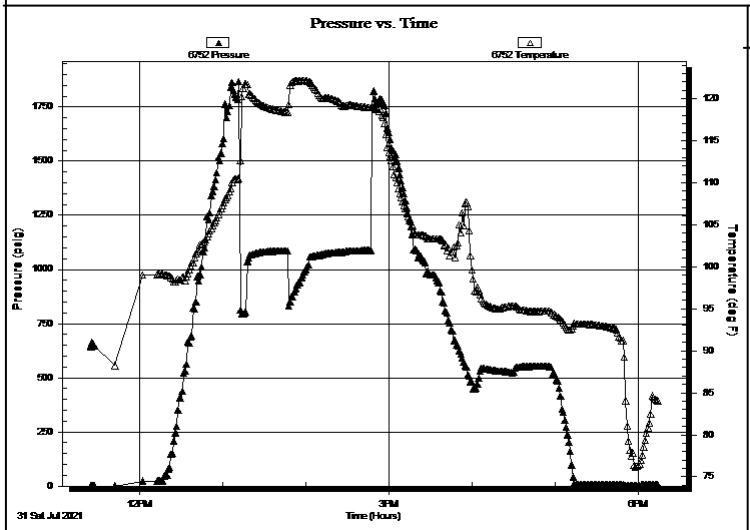
Reference Elevations: 2138.00 ft (KB)
2131.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 6752 **Outside**

Press@RunDepth: psig @ 3701.00 ft (KB)
Start Date: 2021.07.31 End Date: 2021.07.31
Start Time: 11:25:01 End Time: 18:14:02

Capacity: psig
Last Calib.: 2021.07.31
Time On Btm:
Time Off Btm:

TEST COMMENT: IF-Strong blow bob in 30 sec 5 min
ISI- No blow back 15 min
FF- Strong blow Bob in 30 sec 15 min
FSI- No blow back 45 min



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
1643.00	MCW 25%M 75%W	21.96
310.00	SMCW 5%M 95%W	4.35

Gas Rates

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

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 #3

Job Ticket: 51065 **DST#: 2**

Test Start: 2021.07.31 @ 11:25:00

Tool Information

Drill Pipe:	Length:	3513.00 ft	Diameter:	3.80	inches	Volume:	49.28	bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	119.00 ft	Diameter:	2.25	inches	Volume:	0.59	bbl	
						Total Volume:	49.87	bbl	

Drill Pipe Above KB:	18.00 ft
Depth to Top Packer:	3633.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	86.00 ft
Tool Length:	105.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2000.00 lb
Weight set on Packer:		25000.00 lb
Weight to Pull Loose:		57000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	48000.00 lb
	Final	58000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut-In Tool	5.00			3619.00		
Hydraulic tool	5.00			3624.00		
Top Packer	5.00			3629.00		
Packer	4.00			3633.00	19.00	Bottom Of Top Packer
Stubb	1.00			3634.00		
Perforations	2.00			3636.00		
Change Over Sub	1.00			3637.00		
Drill Pipe	63.00			3700.00		
Change Over Sub	1.00			3701.00		
Recorder	0.00	8365	Inside	3701.00		
Recorder	0.00	6752	Outside	3701.00		
perforations	15.00			3716.00		
Bullnose	3.00			3719.00	86.00	Anchor Tool
Total Tool Length:	**105.00**					

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 #3

Job Ticket: 51065 **DST#: 2**

Test Start: 2021.07.31 @ 11:25:00

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:	ppm
Viscosity:	51.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.79 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
1643.00	MCW 25%M 75%W	21.963
310.00	SMCW 5%M 95%W	4.348

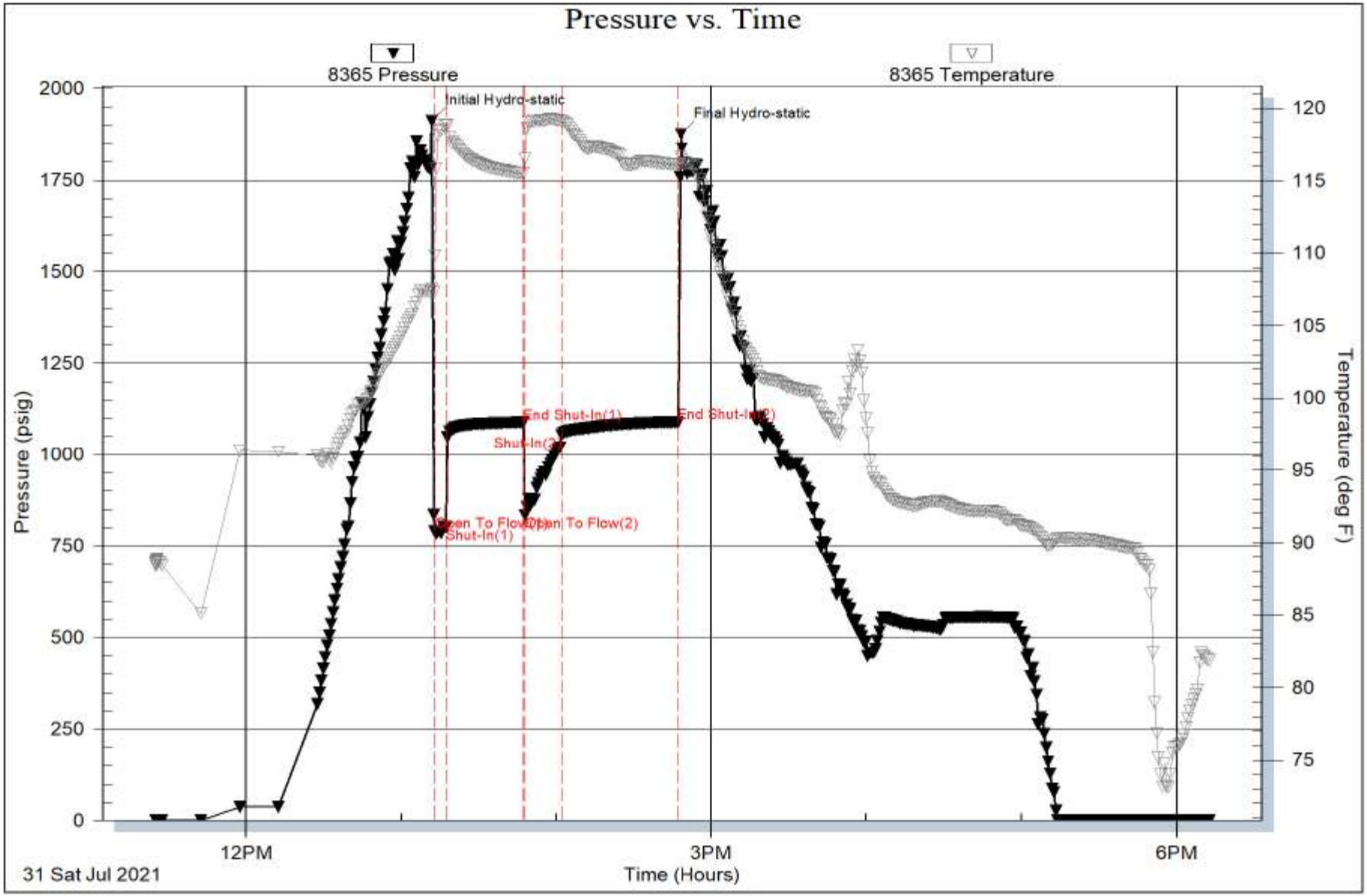
Total Length: 1953.00 ft Total Volume: 26.311 bbl

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

Laboratory Name: Laboratory Location:

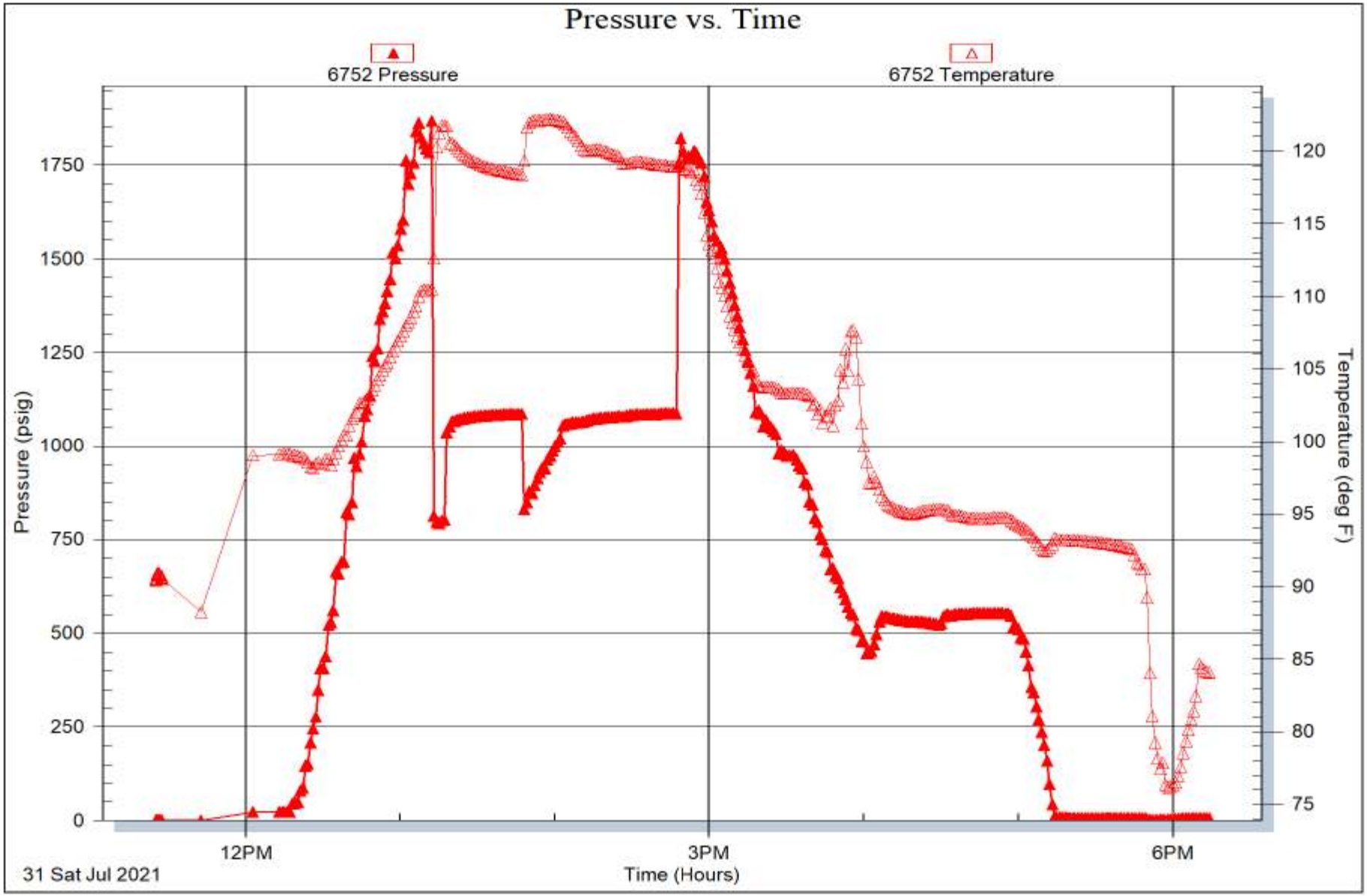
Recovery Comments: 3/4# LCM

Serial #: 8365 **Inside** Mustang Energy Corp Gary #3 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 51065 Printed: 2021.08.03 @ 14:42:03

Serial #: 6752 **Outside** Mustang Energy Corp Gary #3 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 51065 Printed: 2021.08.03 @ 14:42:03

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 51064

Well Name & No. Gary #3 Test No. 1 Date 7/30/21

Company Mustang Energy Corp Elevation 2138 KB 2131 GL

Address PO Box 1121 Hays, KS 67601-1121

Co. Rep / Geo. Cameron Brin Rig STP

Location: Sec. 31 Twp. 11 S Rge. 19 W Co. Ellis State KS

Interval Tested 3433 - 3480 Zone Tested LKC C-d

Anchor Length 47 Drill Pipe Run 3320 Mud Wt. 8.5

Top Packer Depth 3428 Drill Collars Run 119 Vis 53

Bottom Packer Depth 3433 Wt. Pipe Run 0 WL 8

Total Depth 3480 Chlorides 2000 ppm System LCM 2#

Blow Description IF- Fair blow built to 6.75"

ISI- No blow back

FF- Weak blow built to 8"

FSI- No blow back

Rec 0	Feet of Muddy water	%gas	TR %oil	50 %water	50 %mud	
Rec 119	Feet of mud cut water	%gas	TR %oil	70 %water	30 %mud	
Rec	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	

Rec Total 219 BHT 113 Gravity ____ API RW .092 @ 106.6° F Chlorides 55,000 ppm

(A) Initial Hydrostatic 1701	☑ Test 1300	T-On Location 8:00
(B) First Initial Flow 52	☐ Jars	T-Started 8:40
(C) First Final Flow 96	☐ Safety Joint	T-Open 10:21
(D) Initial Shut-In 697	☐ Circ Sub	T-Pulled 12:06
(E) Second Initial Flow 105	☐ Hourly Standby	T-Out 13:50
(F) Second Final Flow 139	☑ Mileage 42rt 52.50	Comments
(G) Final Shut-In 648	☐ Sampler	
(H) Final Hydrostatic 1658	☐ Straddle	☐ Ruined Shale Packer
	☐ Shale Packer	☐ Ruined Packer
Initial Open 15	☐ Extra Packer	☐ Extra Copies
Initial Shut-In 30	☐ Extra Recorder	Sub Total 0
Final Flow 30	☐ Day Standby	Total 1352.50
Final Shut-In 30	☐ Accessibility	MP/DST Disc't
	Sub Total 1352.50	

Approved By ____ Our Representative Brennan Webster

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 51065

Well Name & No. Mary #3 Test No. 2 Date 7/31/21

Company Mustang Energy Corp Elevation 2138 KB 2131 GL

Address PO Box 1121 Hays, KS 67601-1121

Co. Rep / Geo. Cameron Brin Rig STP

Location: Sec. 31 Twp. 11S Rge. 19W Co. Ellis State KS

Interval Tested 3633 - 3719 Zone Tested Arbuckle

Anchor Length 86' Drill Pipe Run 3737 Mud Wt. 9.3

Top Packer Depth 3628 Drill Collars Run 119 Vis 51

Bottom Packer Depth 3633 Wt. Pipe Run 0 WL 8.8

Total Depth 3719 Chlorides 4000 ppm System LCM 3/4 #

Blow Description IF- strong blow BOB in 30 sec

ISI- No blow back

FF- strong blow BOB in 30 sec

FSI- No blow back

Rec 310	Feet of Mud cut Water	%gas	%oil	75 %water	25 %mud
Rec 1643	Feet of Mud cut water	%gas	%oil	95 %water	5 %mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1953 BHT Gravity API RW .190 @ 88 °F Chlorides 28,000 ppm

(A) Initial Hydrostatic 1912

(B) First Initial Flow 789

(C) First Final Flow 801

(D) Initial Shut-In 1088

(E) Second Initial Flow 833

(F) Second Final Flow 1054

(G) Final Shut-In 1090

(H) Final Hydrostatic 1874

Initial Open 5

Initial Shut-In 30

Final Flow 15

Final Shut-In 45

- ☑ Test 1300
- ☐ Jars
- ☐ Safety Joint
- ☑ Circ Sub 50
- ☐ Hourly Standby
- ☑ Mileage 52.50
- ☐ Sampler
- ☐ Straddle
- ☐ Shale Packer
- ☐ Extra Packer
- ☐ Extra Recorder
- ☐ Day Standby
- ☐ Accessibility

Sub Total 1402.50

T-On Location 10:50

T-Started 11:25

T-Open 13:12

T-Pulled 14:47

T-Out 18:00

Comments

- ☐ Ruined Shale Packer
- ☐ Ruined Packer
- ☐ Extra Copies

Sub Total 0

Total 1402.50

MP/DST Disc't

Approved By Our Representative

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071 Home Office P.O. Box 32 Russell, KS 67665 No. 2407

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
8-6-21				Ellis	KS		2:45pm

Location Yo cement N To Homestead RD 2W

Lease Gary Well No. 3

Owner

Contractor

To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Type Job Squeeze

Hole Size T.D.

Charge To Mustang Energy

Csg. 5½ Depth

Street

Tbg. Size 2⅜ Depth

City State

Tool Depth

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

Cement Left in Csg. Shoe Joint

Cement Amount Ordered 100# Com

Meas Line Displace

EQUIPMENT

Common 50

Pumptrk 5 No. Cementer Bill
Helper Craig

Poz. Mix

Bulktrk No. Driver
Driver

Gel.

Bulktrk 9 No. Driver Doug
Driver

Calcium

Hulls

Salt

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Flowseal

Mouse Hole

Kol-Seal

Centralizers

Mud CLR 48

Baskets

CFL-117 or CD110 CAF 38

D/V or Port Collar

Sand

Handling 100

BPE
perfs 3706-08
packer 3620
Inj Rate 4 BPM 1300
mix 50#
Squeeze TO 2000.
Wash Clean
Press TO 2000# OK

Mileage

FLOAT EQUIPMENT

Guide Shoe

Centralizer

Baskets

AFU Inserts

Float Shoe

Latch Down

Used 50#

Pumptrk Charge Squeeze

Mileage 15

Tax

Discount

Thanks

Total Charge

X Signature

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. 2346

Date	Sec.	Twp.	Range	County	State	On Location	Finish
8-1-21	31	11	19	Ellis	KS		2:40pm

Location Yo Cemento N To Homestead Rd 2W ½N

Lease GARY Well No. 3

Contractor STD

Type Job Long String

Hole Size 7⅞ T.D. 3780

Csg. 5½ 15.5# Depth

Tbg. Size Depth

Tool Depth

Cement Left in Csg. 21.27 Shoe Joint 21.27

Meas Line Displace 89.41

EQUIPMENT

	No.		
Pumptrk		Cementer	Bill
		Helper	Dave
Bulktrk	No.	Driver	David
		Driver	
Bulktrk	No.	Driver	
		Driver	

JOB SERVICES & REMARKS

Remarks:

Rat Hole 30 sx

Mouse Hole 15

Centralizers

Baskets

D/V or Port Collar

Pipe set @ 3778.28
Shoe Jts. 21.27
Insert @ 3757.01
Pump 500 gals Flush
Cemt w/ 395 sx Follow w/ 180 sx
Pump Plug w/ 89.41 bbls
Float did hold
Cemt did Circ.

Thanks

X Signature

Owner

To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To Mustang Energy

Street

City State

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

Cement Amount Ordered 500 gals Flush 180 com 425 60/40 Qmdc ¼# Flo 10% salt 5% gilsonite

Common 180

Poz. Mix 425 60/40 Qmdc

Gel.

Calcium

Hulls

Salt 13

Flowseal 100#

Kol-Seal 800#

Mud CLR 48 500 gal

CFL-117 or CD110 CAF 38

Sand

Handling 628

Mileage

FLOAT EQUIPMENT

Guide Shoe

Centralizer 7

Baskets 3

AFU Inserts

Float Shoe 1

Latch Down 1

Pumptrk Charge prod string

Mileage 15

Tax

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. 2341

Date	Sec.	Twp.	Range	County	State	On Location	Finish
7-26-21	31	11	19	Ellis	Ks		8:00pm

Location Yo Cemento N To Homestead Rd

Lease Gary Well No. 3

Owner 2W ±N

Contractor STD

To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Type Job SURFACE

Hole Size 12¼ T.D. 214

Csg. 8⅝ Depth 213

Charge To Mostang Energy

Tbg. Size Depth

Street

Tool Depth

City State

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

Cement Left in Csg. 10' Shoe Joint

Cement Amount Ordered 150 80/20 2%cc 2%gel

Meas Line Displace 13BL

EQUIPMENT

Pumptrk 17	No.	Cementer	Bill
		Helper	
Bulktrk	No.	Driver	Craig
		Driver	
Bulktrk 15	No.	Driver	Doug
		Driver	

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

Ran 5 Jts of 8⅝ set @
Cemt w/ 150sx cemt
Pump plug w/ 13 bbls
Cemt did CIRC.

Thanks

Common	120
Poz. Mix	30
Gel.	3
Calcium	6
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	159
Mileage	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

Pumptrk Charge	Surface
Mileage	15
Tax	
Discount	
Total Charge	

X Signature Ronnie

Thanks

MUSTANG ENERGY CORPORATION

Scale 1:240 Imperial

Well Name:	GARY #3		
Surface Location:	NW, SW, NE, SE Sec. 31, T11S, R19W		
Bottom Location:			
API:	15-051-21007		
License Number:	33922		
Spud Date:	7/26/2021	Time:	2:30 PM
Region:	ELLIS CO		
Drilling Completed:	7/31/2021	Time:	10:30 PM
Surface Coordinates:	1830' FSL & 1175' FEL		
Bottom Hole Coordinates:			
Ground Elevation:	2131.00ft		
K.B. Elevation:	2138.00ft		
Logged Interval:	3050.00ft	To:	3780.00ft
Total Depth:	3780.00ft		
Formation:	ARBUCKLE, LKC		
Drilling Fluid Type:	CHEMICAL MUD		

OPERATOR

Company:	MUSTANG ENERGY CORPORATION		
Address:	P.O. BOX 1121		
Contact Geologist:	ROD BRIN		
Contact Phone Nbr:	785-623-0533		
Well Name:	GARY #3		
Location:	NW, SW, NE, SE Sec. 31, T11S, R19W		
API:	15-051-21007		
Pool:		Field:	STAR
State:	KS	Country:	

SURFACE CO-ORDINATES

Well Type:	Vertical
Longitude:	-99.46813
Latitude:	39.05006
N/S Co-ord:	1830' FSL
E/W Co-ord:	1175' 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 ROTARY		
Spud Date:	7/26/2021	Time:	2:30 PM
TD Date:	7/31/2021	Time:	10:30 PM

Rig Release: 8/1/2021 Time: 6:30 PM

ELEVATIONS

K.B. Elevation: 2138.00ft Ground Elevation: 2131.00ft
K.B. to Ground: 7.00ft

NOTES

DUE TO NEGATIVE RESULTS IN DST #1 AND #2 DESCISION WAS MADE TO RUN 5 1/2" CASING TO CONVERT THE GARY #3 INTO A SALT WATER DISPOSAL.

STRUCTURAL COMPARISON

	GARY #3				• GARY #1 MUSTANG ENERGY CORP NW, SE, NW, SE Sec. 31, T11S, R19W						• DALE SOLOMON #5-31 DON E. PRATT SE, NW, SE, SE Sec. 31, R19W, T11S						• GARY #2 MUSTANG ENERGY CORP SE, NE, SE, SE, Sec. 31, T11S, R19W						SWD P&A 6/26/19 DALE SOLOMON #4 DON E PRATT SW, NE, NE, SE Sec. 31, T11S, R19W					
	KB	2138	GL	2131	KB	2152					KB	2134					KB	2115					KB	2127				
	LOG TOPS		SAMPLE TOPS		LOG		LOG		SMPL.		COMP. CARD		LOG		SMPL.		LOGS		LOG		SMPL.		COMP. CARD		LOG		SMPL.	
FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CORR.		CORR.		DEPTH	DATUM	CORR.		CORR.		DEPTH	DATUM	CORR.		CORR.		DEPTH	DATUM	CORR.		CORR.	
ANHYDRITE TOP	1484	654	1488	650	1505	647	+	7	+	3	1486	648	+	6	+	2	1462	653	+	1	-	3						
BASE	1528	610	1531	607	1543	609	+	1	-	2	1526	608	+	2	-	1	1505	610	+	0	-	3						
TOPEKA	3153	-1015	3154	-1016	3167	-1015	+	0	-	1	3143	-1009	-	6	-	7	3122	-1007	-	8	-	9	3151	-1024	+	9	+	8
HEEBNER SHALE	3376	-1238	3375	-1237	3387	-1235	-	3	-	2	3362	-1228	-	10	-	9	3344	-1229	-	9	-	8	3377	-1250	+	12	+	13
TORONTO	3398	-1260	3396	-1258	3409	-1257	-	3	-	1	3384	-1250	-	10	-	8	3365	-1250	-	10	-	8	3400	-1273	+	13	+	15
LKC	3416	-1278	3414	-1276	3427	-1275	-	3	-	1	3402	-1268	-	10	-	8	3384	-1269	-	9	-	7	3419	-1292	+	14	+	16
BKC	3637	-1499	3636	-1498	3648	-1496	-	3	-	2	3622	-1488	-	11	-	10	3605	-1490	-	9	-	8	3644	-1517	+	18	+	19
CONGLOMERATE	3678	-1540	3682	-1544																								
ARBUCKLE	3706	-1568	3711	-1573	3717	-1565	-	3	-	8	3691	-1557	-	11	-	16	3674	-1559	-	9	-	14						
TOTAL DEPTH	3780	-1642	3780	-1642	3790	-1638	-	4	-	4	3736	-1602	-	40	-	40	3750	-1635	-	7	-	7	3751	-1624	-	18	-	18

ANHYDRITE

DST #1 3433'-3480' (LKC C-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 #3

Job Ticket: 51064 **DST#: 1**

Test Start: 2021.07.30 @ 08:40:00

GENERAL INFORMATION:

Formation: **LKC C-D**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:20:47
Time Test Ended: 13:53:02

Test Type: Conventional Bottom Hole (Initial)
Tester: Kevin Webster
Unit No: 72

Interval: 3433.00 ft (KB) To 3480.00 ft (KB) (TVD)
Total Depth: 3480.00 ft (KB) (TVD)
Hole Diameter: 6.75 inches Hole Condition: Fair

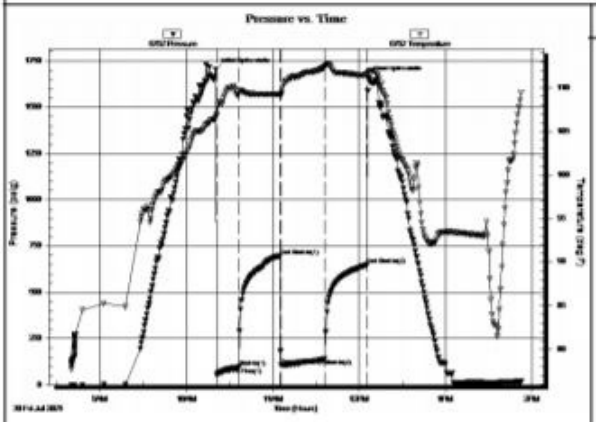
Reference Elevations: 2138.00 ft (KB)
2131.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 6752 **Outside**
Press@RunDepth: 139.68 psig @ 3469.00 ft (KB)
Start Date: 2021.07.30 End Date: 2021.07.30
Start Time: 08:40:01 End Time: 13:53:02

Capacity: psig
Last Calib.: 2021.07.30
Time On Btm: 2021.07.30 @ 10:20:17
Time Off Btm: 2021.07.30 @ 12:06:17

TEST COMMENT: IF-Fair blow built to 6.75" 15 min

ISI- No blow back 30 min
FF-Weak blow built to 8" 30 min
FSI- No blow back 30 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1701.90	106.64	Initial Hydro-static
1	52.96	106.81	Open To Flow (1)
16	96.05	109.24	Shut-In(1)
45	697.83	109.25	End Shut-In(1)
46	105.87	109.26	Open To Flow (2)
76	139.68	112.37	Shut-In(2)
106	648.55	111.49	End Shut-In(2)
106	1657.97	111.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
119.00	MCW 30%M 70%W	0.59
98.00	MW 50%M 50%W	1.37

Gas Rates

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

Trilobite Testing, Inc Ref. No: 51064 Printed: 2021.07.30 @ 15:22:55

DST #2 3633'-3719' (CONG-ARB)

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 #3

Job Ticket: 51065 **DST#: 2**

Test Start: 2021.07.31 @ 11:25:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:12:47
Time Test Ended: 18:13:02

Test Type: Conventional Bottom Hole (Initial)
Tester: Kevin Webster
Unit No: 72

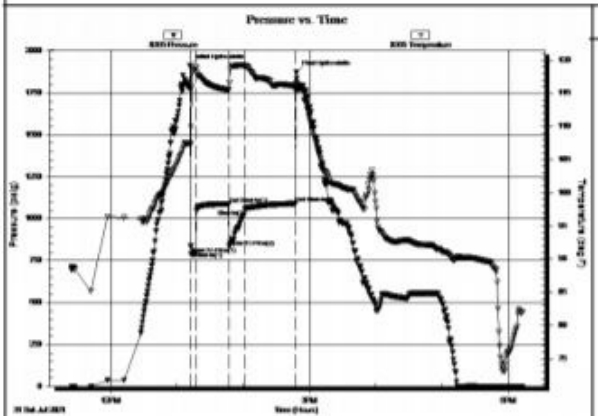
Interval: 3633.00 ft (KB) To 3719.00 ft (KB) (TVD)
Total Depth: 3719.00 ft (KB) (TVD)
Hole Diameter: 6.75 inches Hole Condition: Fair

Reference Elevations: 2138.00 ft (KB)
2131.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8365
Press@RunDepth: 1054.57 psig @ ft (KB)
Start Date: 2021.07.31 End Date: 2021.07.31
Start Time: 11:25:01 End Time: 18:13:02

Capacity: psig
Last Calib.: 2021.07.31
Time On Btm: 2021.07.31 @ 13:11:47
Time Off Btm: 2021.07.31 @ 14:48:17

TEST COMMENT: IF-Strong blow bob in 30 sec 5 min
ISI- No blow back 15 min
FF- Strong blow Bob in 30 sec 15 min
FSI- No blow back 45 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1912.05	107.53	Initial Hydro-static
1	789.96	109.85	Open To Flow (1)
6	801.53	118.85	Shut-In(1)
36	1088.79	115.54	End Shut-In(1)
36	833.78	116.55	Open To Flow (2)
51	1054.57	119.10	Shut-In(2)
96	1090.13	116.11	End Shut-In(2)
97	1874.78	116.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1643.00	Mud cut w ater	21.96
310.00	Mud cut w ater	4.35

Gas Rates

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

Trilobite Testing, Inc Ref. No: 51065 Printed: 2021.07.31 @ 19:57:11

ROCK TYPES

Chtcongl
Dolprim
Lmst fw7>
shale, gry
Carbon Sh

ACCESSORIES

STRINGER
Conglomerate

Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca)

Curve Track #1
ROP (min/ft)
1:240 Imperial

Depth | Intervals
Cored Interval
DST Interval

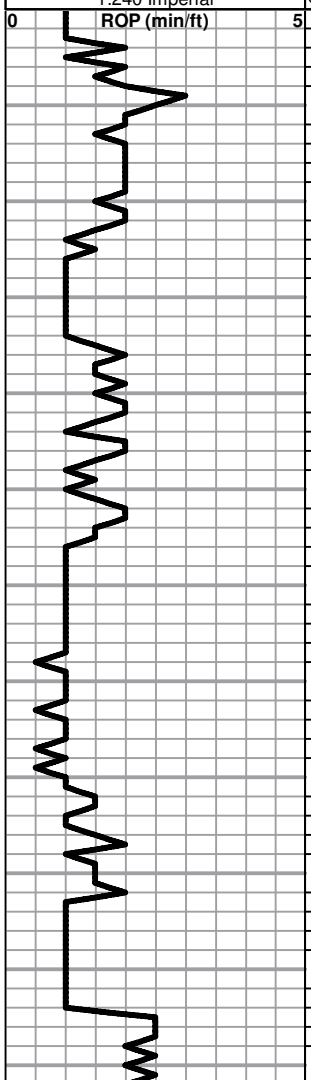
DST

Lithology

Oil Show

Geological Descriptions

Curve Track #3
1:240 Imperial



1' DRILL TIME FROM 1470'-1540' FOR ANHYDRITE
1' DRILL TIME FROM 3050'-RTD
10' WET/DRY SAMPLES FROM 3100'-RTD

Lm- gray, fnxln, scat pr inxln por, NSO

Sh- gray-red, sandy in prt

Lm- gray-crm, v.fn-fnxln, scat foss

Sh- gray-red, gummy wash

Lm- crm-gray, fnxln, dnse in prt

Sh- gray-green

TOPEKA: SPL 3154' (-1016) LOG 3153' (-1015)

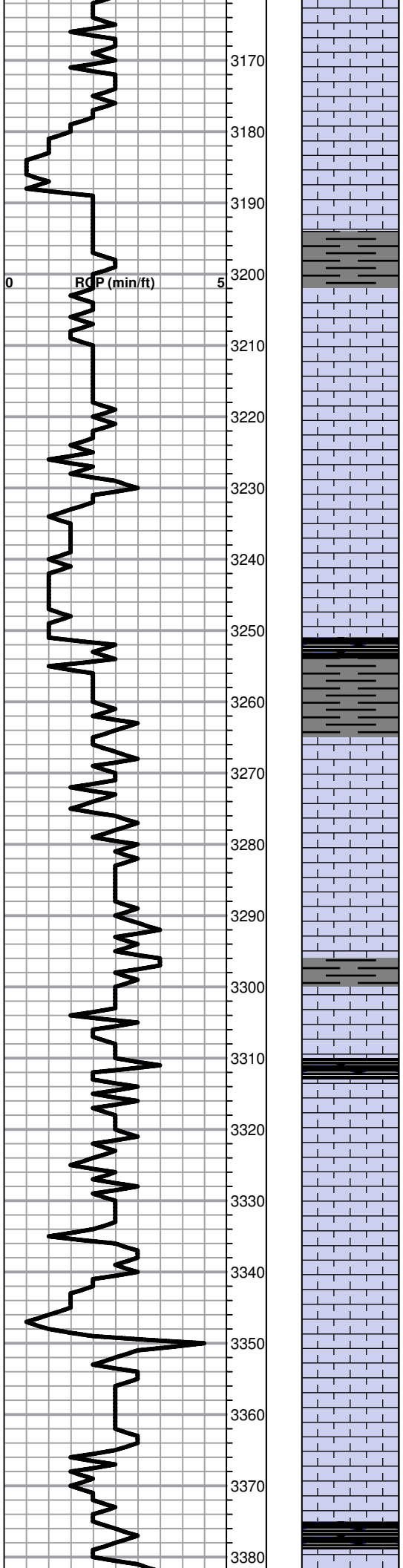
Lm- tan-crm, v.fn-fnxln, scat tan chert

GEO ON LOCATION @ 1:15 PM 7/29/21

8 5/5 SURFACE CASING SET @ 214' KB (CEMENT DID CIR)

SURVEY @ 214' (1/4°)

DISPLACED @ 3024'



Lm- tan, microxln, blocky, cherty

Lm- A/A

Lm- tan-crm, micro-v.fnxln, cherty in prt, scat foss

Sh- gray

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

Lm- tan-gray, v.fn-fnxln, scat foss, cherty in prt

Lm- crm- tan, fnxln, foss, chalky

Sh- blk, carb

Sh- gray

Lm- crm, fnxln, foss, scat pr inxln por, NSO

Lm- wt-tan, v.fnxln, scat foss, chalky in prt

Sh- gray

Sh- blk, carb

Lm- crm, v.fnxln, scat foss, oolitic in prt

Lm- crm-gray, v.fnxln, scat foss, chalky

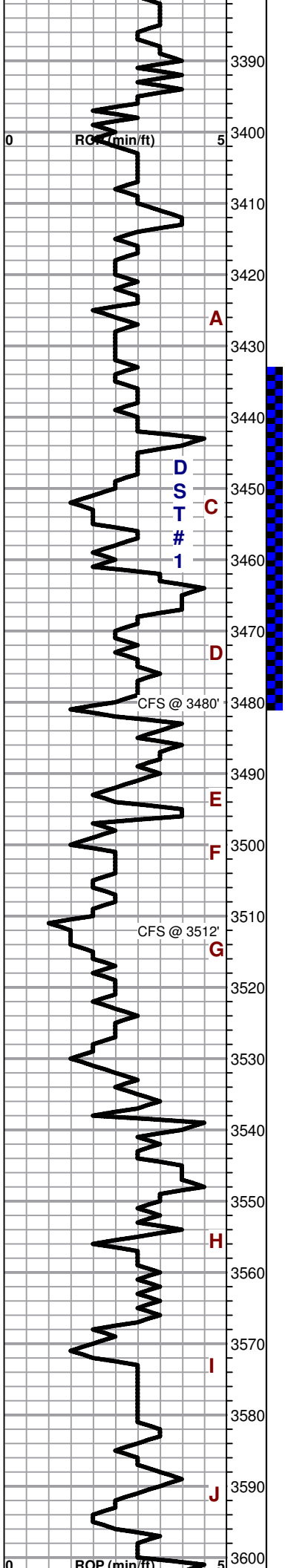
Lm- A/A

Lm- crm, fnxln, scat foss

Lm- A/A

HEEBNER: SPL 3375' (-1237) LOG 3376' (-1238)

Sh- blk, carb



Sh- gray

TORONTO: SPL 3396' (-1258) LOG 3398' (-1260)

Lm- wt-crm, micro-v.fnxln, foss, oolitic in prt, chalky, cherty in prt

LKC: SPL 3414' (-1276) LOG 3416' (-1278)

Lm- wt-crm, micro-v.fnxln, foss, oolitic in prt, cherty, mostly dnse

Lm- A/A, chalky in part

Sh- gray-brn

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

DST #1
3433'-3480' (LKC C-D)
15-30-30-30
119' MCW
98' MW
SIP: 697-648#

Lm- crm, v.fn-fnxln, foss, oolitic, scat pr-fr inlnx-oolitic por, pr-fr brn stn, few FO droplets in cup & sheen upon crush, sli odor

SURVEY @ 3480' (3/4°)

Sh- gray-red

PIPE STRAP 1.27' SHORT TO BOARD

Lm- crm, v.fn-fnxln, chalky in prt, foss, oolitic in prt, few scat pcs pr inxln-infoss por, pr brn-blk stn, sli sheen FO upon crush, sli-no odor

Lm-wt- crm, micro-v.fnxln, chalky, cherty, scat foss, few scat pcs v. pr inxln por, 1pc v. pr brn stn, NSFO, no odor

Lm- wt-crm, v.fnxln, chalky, cherty, scat foss, barren

Lm- A/A

Sh- blk, carb, gray, brown

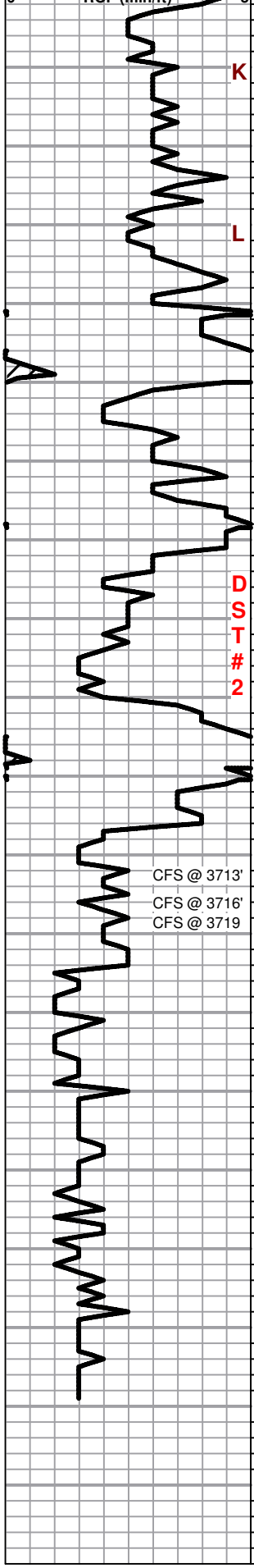
Lm- crm, v.fnxln, scat foss, dnse in prt, scat brn chert, chalky in prt

Lm- crm, v.fn-fnxln, fairly dnse, scat foss, scat chert, few scat pcs pr w/ 1-2 pcs fr inxln por, pr brn stn, NSFO, no odor

SAMPLES FROM 3560-3610 HAD A LOT OF REGRIND AND SHALES

Lm- A/A, pr-fr odor

Lm- A/A



3610	Lm- wt-crm, v.fnxln, scat foss, dnse, 2-3 scat pcs pr inxln-infoss por, pr blk stn, sli sheen FO upon crush, pr-no odor	
3620	Sh- blk, carb	
3630	Lm- crm, v.fnxln dnse, few scat pcs v. pr inxln por, NSO	
	BKC: SPL 3636' (-1498) LOG 3637' (-1499)	
3640	Sh- gray-brn	
3650	Sh- red-gray, muddy red wash	
3660		
3670	Chert- smoky wt, oolitic Sh- red, sandy	**DST #3 3633-3719' (CONG-ARB) 5-15-15-45 1953' MCW SIP: 1088-1090#**
3680	**CONGLOMERATE: SPL 3682' (-1544) LOG 3678' (-1540)**	
3690	Chert-cong, angular, orange-wt, scat blk stn, fr-gd FO droplets in cup & pores, v. sli odor, scat SS clusters, mod sorted, well rounded, CaCO3 matrix, well cemented	
3700	A/A- sandy red shales	
3710	**ARBUCKLE: SPL 3711' (-1573) LOG 3706' (-1568)** Dolo- wt, fnxln, sucrosic, pr-fr inxln por, pr-fr blk stn, fr sheen FO in cup, sli odor, scat wt-orange chert, scat brn-green shale	
3720	Dolo- wt, fn-mdxln, sucrosic in prt, scat fr inxln- oomoldic por, fr w/ few pcs gd sat stn, fr-gd sheen FO in cup & spl, pr-fr odor Sh- brn-green, Chert, wt-orange	SURVEY @ 3719' (1°)
3730	Dolo- crm-wt, fnxln, fnxln, sucrosic in prt, scat tight inxln por, scat fr w/ few pcs gd blk sat stn, fr-gd sheen FO in cup and spl, sli odor Sh-brn-green, Chert- wt	**SAMPLES FROM 3713'-3740' CARRIED A LOT OF CHERT AND BRN-GREEN SHALES**
3740	Dolo- A/A, few scat pcs friable, pr-fr inxln por	
3750	Dolo- wt, fnxln, sucrosic in prt, fairly barren, few scat pcs pr inxln-oomoldic por, pr blk stn, fr sheen FO in cup, sli odor	
3760	Dolo- wt, fnxln, sucrosic in prt, mostly barren, few scat pcs pr-fr inxln, pr-fr blk sat stn, fr sheen FO in spl, sli odor	
3770	Dolo- wt, fnxln, sucrosic in prt, mostly barren, few scat pcs pr inxln por, pr blk stn, pr sheen FO in spl, sli odor	
3780	**RTD: SPL 3780' (-1642) LOG 3780' (-1642)**	
3790		GEO OFF LOCATION @ 5:45 AM 8/1/21