KOLAR Document ID: 1574426

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 #:

5/7/2021 Spud Date or Recompletion Date
5/12/2021 Date Reached TD
5/13/2021 Completion Date or Recompletion Date

API No.: 15-163-24421-00-00
Spot Description:
_ - _ - W2 - NW Sec. 6 Twp. 10 S. R. 19 ☐ East ☑ West
1320 Feet from ☑ North / ☐ South Line of Section
660 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: Rooks
Lease Name: C-P UNIT Well #: 1
Field Name:
Producing Formation: none
Elevation: Ground: 2232 Kelly Bushing: 2239
Total Vertical Depth: 3824 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 220 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: 42000 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:
☐ **Confidential Release Date:**
☑ **Wireline Log Received** ☑ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** Karen Ritter **Date:** 08/09/2021

Operator Name: Mustang Energy Corporation Lease Name: C-P UNIT Well #: 1

Sec. 6 Twp. 10 S. R. 19 ☐ East ☑ West County: Rooks

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
Dual Induction
Neutron Density

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

Name	Top	Datum
Anhydrite	1659	580
Base	1689	550
Heebner	3443	-1204
LKC	3481	-1242
BKC	3696	-1457
Arbuckle	3807	-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	.333	.625	23	220	common	150	3%cc,2%gel

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	-			
	-			

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: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

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

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

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)*

TUBING RECORD: Size: Set At: Packer At:

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

Form	ACO1 - Well Completion
Operator	Mustang Energy Corporation
Well Name	C-P UNIT 1
Doc ID	1574426

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	.333	.625	23	220	common	150	3%cc,2%gel

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. 2298

Date	Sec.	Twp.	Range	County	State	On Location	Finish
5-7-21	6	10	19	Rooks	KS		845pm

Location: Zurich 3W 2RD 1/2S E into

Lease: Marcotte	Well No. 1	Owner	
Contractor: S.T.P.		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: 12 1/4	T.D. 221	Charge To: Mustang Energy	
Csg. 8 5/8	Depth 220	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. 10'	Shoe Joint	Cement Amount Ordered 150 80/20 3%CC 2%Gel	
Meas Line	Displace 13BBL		

EQUIPMENT

	No.		
Pumptrk 17	No.	Cementer / Helper	Craig
Bulktrk	No.	Driver / Driver	
Bulktrk 14	No.	Driver / Driver	Tony

JOB SERVICES & REMARKS

Remarks:
Rat Hole
Mouse Hole
Centralizers
Baskets
D/V or Port Collar

8 5/8 on bottom Est Circulation
Mix 150sks Displace
Cement Circulated

Common	
Poz. Mix	
Gel.	
Calcium	
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
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: Lorrie

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. 2251

Date	Sec.	Twp.	Range	County	State	On Location	Finish
	6	10	19	Rooks	KS		2:00 A.M

Location Zurich 3W 7RD 1 ½S E into

Lease C.P Unit	Well No. #1	Owner	
Contractor S.T.P		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 Rotary Plug			
Hole Size 7 7/8	T.D. 3824	Charge To Mustang Energy	
Csg.	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.	Shoe Joint	Cement Amount Ordered 290 60/40 4% Gel ¼# FC	
Meas Line	Displace		

EQUIPMENT

Pumptrk 20	No.	Cementer	
		Helper Travis	
Bulktrk	No.	Driver	
		Driver	
Bulktrk 14	No.	Driver Tom M	
		Driver	

JOB SERVICES & REMARKS

Remarks:

Rat Hole 30SK

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

1st 3788 50SK

2nd 1675 50SK

3rd 975 100SK

4th 275 50SK

5th 40 10SK

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

FLOAT EQUIPMENT

Guide Shoe	8 5/8 Dry Hole Plug
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
Pumptrk Charge	
Mileage	
Tax	
Discount	
Total Charge	

X Signature Travis

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Mustang Energy Corporation**

PO Box 1121
Hays KS 67601

ATTN: Cameron Brin

C-P Unit #1

6-10s-19w Rooks,KS

Start Date: 2021.05.12 @ 01:16:00
End Date: 2021.05.12 @ 07:29:15
Job Ticket #: 67277 DST #: 1

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

Printed: 2021.05.13 @ 12:10:04

DRILL STEM TEST REPORT

Mustang Energy Corporation

PO Box 1121
Hays KS 67601

ATTN: Cameron Brin

6-10s-19w Rooks,KS

C-P Unit #1

Job Ticket: 67277 **DST#: 1**

Test Start: 2021.05.12 @ 01:16:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:26:15
Time Test Ended: 07:29:15

Test Type: Conventional Bottom Hole (Initial)
Tester: Ryan Nichols
Unit No: 71

Interval: 3728.00 ft (KB) To 3814.00 ft (KB) (TVD)
Total Depth: 3814.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

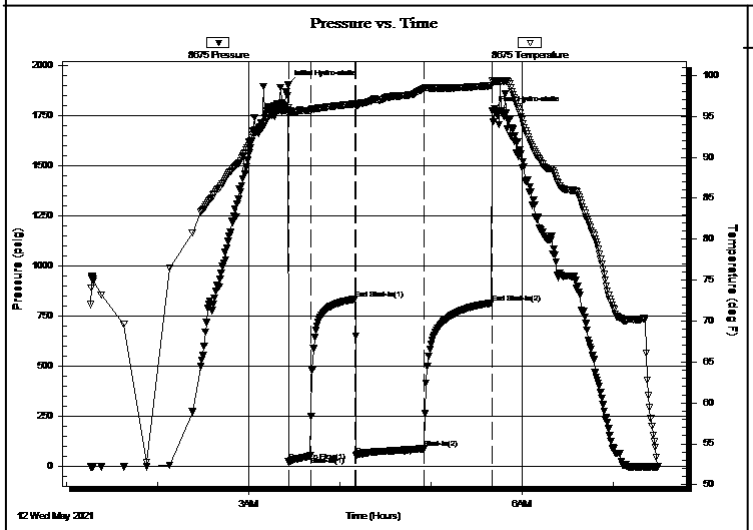
Reference Elevations: 2239.00 ft (KB)
2233.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 8675 **Outside**

Press@RunDepth: 89.43 psig @ 3729.00 ft (KB)
Start Date: 2021.05.12 End Date: 2021.05.12
Start Time: 01:16:05 End Time: 07:29:14

Capacity: 8000.00 psig
Last Calib.: 2021.05.12
Time On Btm: 2021.05.12 @ 03:26:00
Time Off Btm: 2021.05.12 @ 05:40:30

TEST COMMENT: 15 IF - 1 1/2" blow built to 4 1/2"
30 ISI - No return
45 FF - Surface blow built to 5"
45 FSI - No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1902.91	96.03	Initial Hydro-static
1	25.17	95.23	Open To Flow (1)
15	53.57	95.75	Shut-In(1)
44	835.01	96.53	End Shut-In(1)
45	57.67	96.30	Open To Flow (2)
90	89.43	98.43	Shut-In(2)
134	816.43	98.75	End Shut-In(2)
135	1776.80	99.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
119.00	VSOWCM - 1%o - 5%W - 94%M	0.59
31.00	SOWCM - 3%o - 5%W - 92%M	0.43

Gas Rates

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

DRILL STEM TEST REPORT

Mustang Energy Corporation

PO Box 1121
Hays KS 67601

ATTN: Cameron Brin

6-10s-19w Rooks,KS

C-P Unit #1

Job Ticket: 67277 **DST#: 1**

Test Start: 2021.05.12 @ 01:16:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:26:15
Time Test Ended: 07:29:15

Test Type: Conventional Bottom Hole (Initial)
Tester: Ryan Nichols
Unit No: 71

Interval: 3728.00 ft (KB) To 3814.00 ft (KB) (TVD)
Total Depth: 3814.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

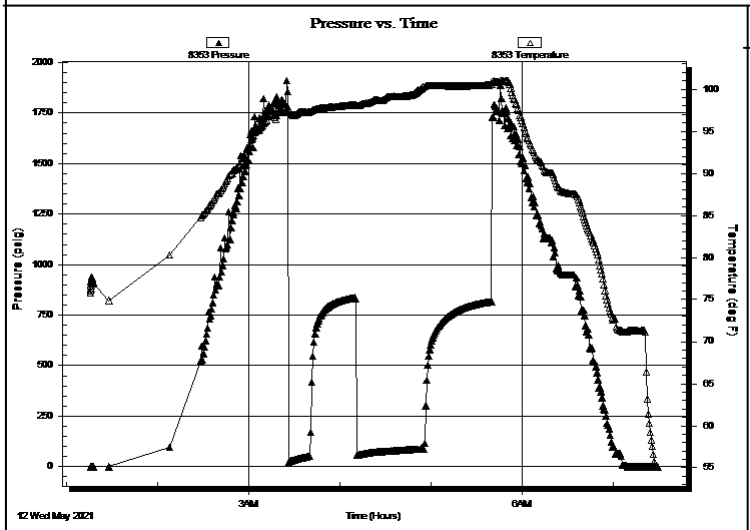
Reference Elevations: 2239.00 ft (KB)
2233.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 8353 **Inside**

Press@RunDepth: psig @ 3729.00 ft (KB)
Start Date: 2021.05.12 End Date: 2021.05.12
Start Time: 01:16:01 End Time: 07:29:20

Capacity: 8000.00 psig
Last Calib.: 2021.05.12
Time On Btm:
Time Off Btm:

TEST COMMENT: 15 IF - 1 1/2" blow built to 4 1/2"
30 ISI - No return
45 FF - Surface blow built to 5"
45 FSI - No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
119.00	VSOWCM - 1%o - 5%W - 94%M	0.59
31.00	SOWCM - 3%o - 5%W - 92%M	0.43

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mustang Energy Corporation

PO Box 1121
Hays KS 67601

ATTN: Cameron Brin

6-10s-19w Rooks,KS

C-P Unit #1

Job Ticket: 67277 **DST#: 1**

Test Start: 2021.05.12 @ 01:16:00

Tool Information

Drill Pipe:	Length:	3597.00 ft	Diameter:	3.80	inches	Volume:	50.46	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:	51.05	bbl	

Drill Pipe Above KB:	8.00 ft
Depth to Top Packer:	3728.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	86.00 ft
Tool Length:	106.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		1500.00 lb
Weight set on Packer:		20000.00 lb
Weight to Pull Loose:		65000.00 lb
Tool Chased		2.00 ft
String Weight:	Initial	50000.00 lb
	Final	50000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3713.00		
Hydraulic tool	5.00			3718.00		
Packer	5.00			3723.00	20.00	Bottom Of Top Packer
Packer	5.00			3728.00		
Stubb	1.00			3729.00		
Recorder	0.00	8353	Inside	3729.00		
Recorder	0.00	8675	Outside	3729.00		
Perforations	17.00			3746.00		
Blank Spacing	65.00			3811.00		
Bullnose	3.00			3814.00	86.00	Bottom Packers & Anchor
Total Tool Length:	**106.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Mustang Energy Corporation

PO Box 1121
Hays KS 67601

ATTN: Cameron Brin

6-10s-19w Rooks,KS

C-P Unit #1

Job Ticket: 67277 **DST#: 1**

Test Start: 2021.05.12 @ 01:16:00

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:	53.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.79 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

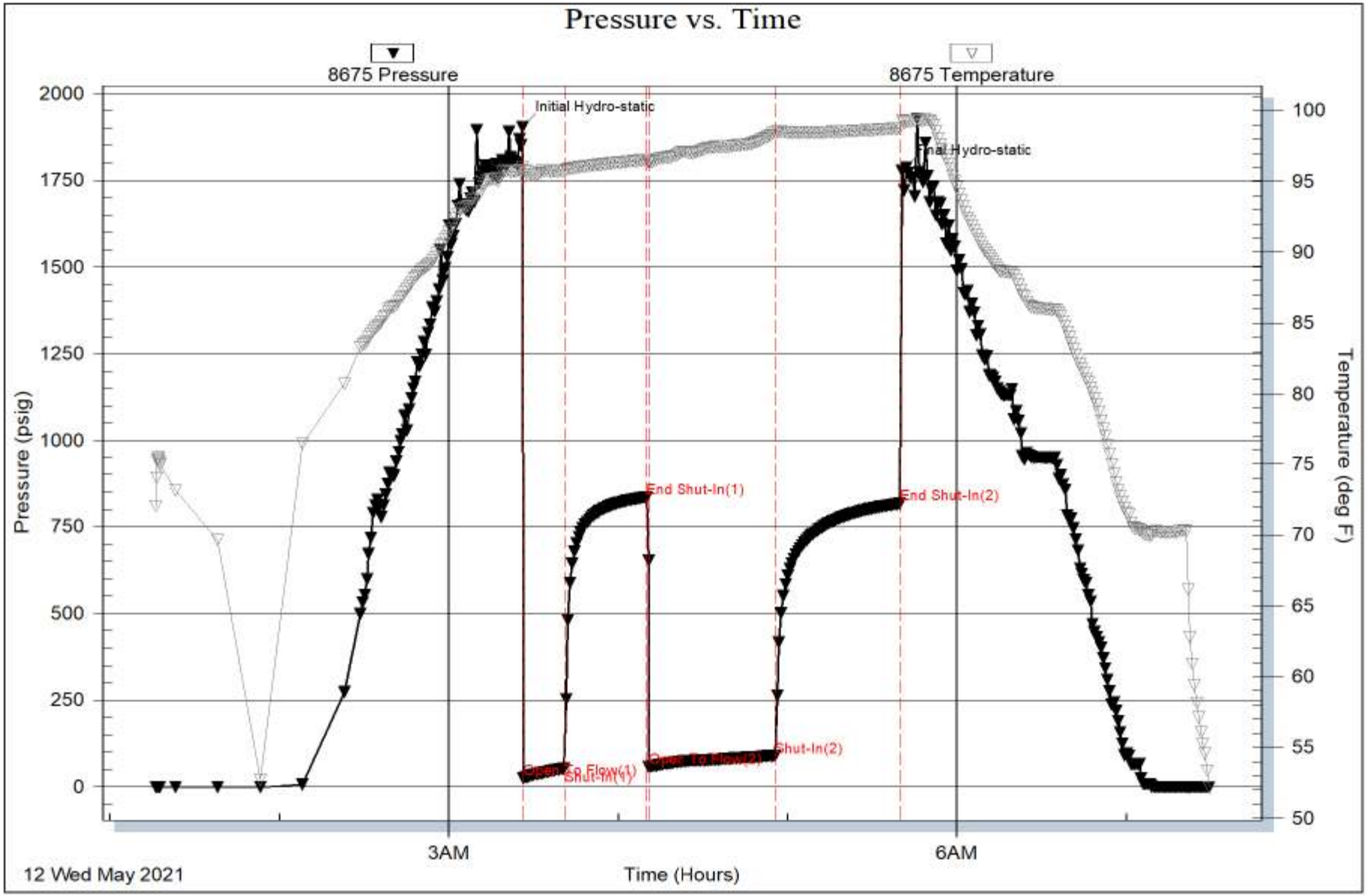
Recovery Table

Length ft	Description	Volume bbl
119.00	VSOWCM - 1%o - 5%W - 94%M	0.585
31.00	SOWCM - 3%o - 5%W - 92%M	0.435

Total Length: 150.00 ft Total Volume: 1.020 bbl

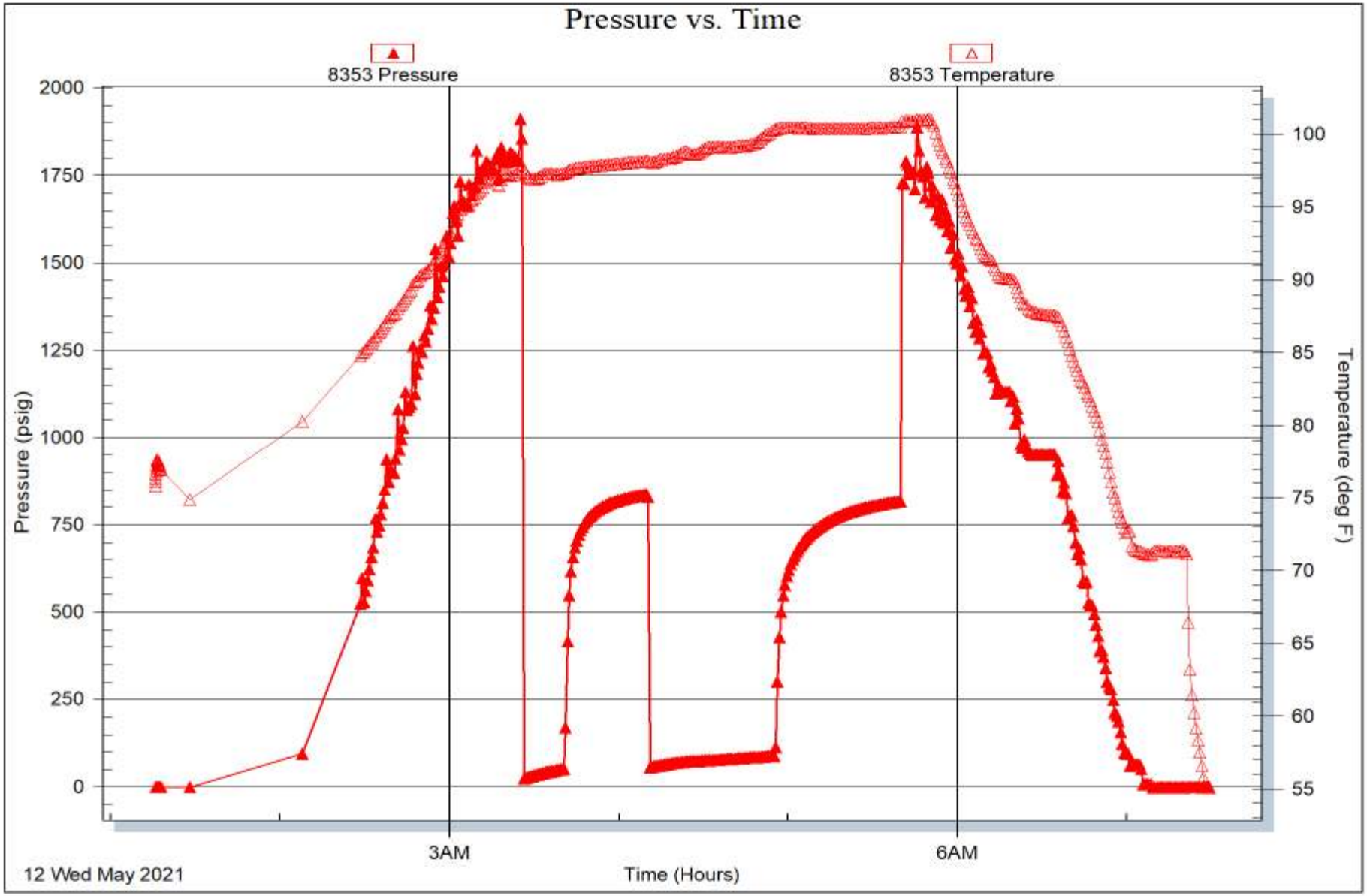
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8675 **Outside** Mustang Energy Corporation C-P Unit #1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 67277 Printed: 2021.05.13 @ 12:10:05

Serial #: 8353 **Inside** Mustang Energy Corporation C-P Unit #1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 67277 Printed: 2021.05.13 @ 12:10:05

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 67277

Well Name & No. C-P Unit #1 Test No. 1 Date 5/11/21

Company Mustang Energy Corporation Elevation 2239 KB 2233 GL

Address P.O. Box 1121 Hays KS 67601

Co. Rep / Geo. Cameron Brin Rig STP

Location: Sec. 6 Twp 10s Rge. 19w Co. Rooks State KS

Interval Tested 3728 - 3814 Zone Tested Arbuckle

Anchor Length 86' Drill Pipe Run 3597' Mud Wt. 9.1

Top Packer Depth 3723 Drill Collars Run 119' Vis 53

Bottom Packer Depth 3728 Wt. Pipe Run 0' WL 8.8

Total Depth 3814 Chlorides 3000 ppm System LCM 1

Blow Description 15 IF - 1½" blow built to 4½"

30 ISI - [redacted] No return

45 FF - Surface blow built to 5"

45 FSI - No return

Rec 31'	Feet of SOOWCM	%gas 3	%oil 5	%water 92	%mud	
Rec 119'	Feet of VSOWCM	%gas 1	%oil 5	%water 94	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	

Rec Total 150' BHT 99° Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1903	☑ Test 1200	T-On Location 23:30	
(B) First Initial Flow 25	☐ Jars	T-Started 01:16	
(C) First Final Flow 54	☐ Safety Joint	T-Open 03:26	
(D) Initial Shut-In 835	☐ Circ Sub	T-Pulled 05:41	
(E) Second Initial Flow 58	☐ Hourly Standby	T-Out 07:30	
(F) Second Final Flow 69	☑ Mileage 76 RT 190	Comments loaded tools 5/12 18:35	
(G) Final Shut-In 816	☐ Sampler		
(H) Final Hydrostatic 1777	☐ Straddle	☐ EM Tool	
	☐ Shale Packer	☐ Ruined Shale Packer	
Initial Open 15	☐ Extra Packer	☐ Ruined Packer	
Initial Shut-In 30	☐ Extra Recorder	☐ Extra Copies	
Final Flow 45	☐ Day Standby	Sub Total 0	
Final Shut-In 45	☐ Accessibility	Total 1390	
	Sub Total 1390	MP/DST Disc't	

Approved By _____ Our Representative [signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

MUSTANG ENERGY CORPORATION

Scale 1:240 Imperial

Well Name:	C-P UNIT #1		
Surface Location:	W2, NW, Sec. 6, T10S, R19W		
Bottom Location:			
API:	15-163-24421		
License Number:	33922		
Spud Date:	5/8/2020	Time:	4:45 PM
Region:	ROOKS COUNTY		
Drilling Completed:	5/12/2021	Time:	2:00 PM
Surface Coordinates:	1320' FNL & 660' FWL		
Bottom Hole Coordinates:			
Ground Elevation:	2232.00ft		
K.B. Elevation:	2239.00ft		
Logged Interval:	3200.00ft	To:	3826.00ft
Total Depth:	3824.00ft		
Formation:	ARBUCKLE		
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:	C-P UNIT #1		
Location:	W2, NW, Sec. 6, T10S, R19W		
API:	15-163-24421		
Pool:		Field:	MARCOTTE
State:	KS	Country:	

SURFACE CO-ORDINATES

Well Type:	Vertical
Longitude:	-99.49150
Latitude:	39.21607
N/S Co-ord:	1320' FNL
E/W Co-ord:	660' FWL

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 ROTATRY		
Spud Date:	5/8/2020	Time:	4:45 PM
TD Date:	5/12/2021	Time:	2:00 PM

Rig Release: 5/13/2021 Time: 6:00 AM

ELEVATIONS

K.B. Elevation: 2239.00ft Ground Elevation: 2232.00ft
K.B. to Ground: 7.00ft

NOTES

AFTER REVIEWING THE LOG, POOR STRUCTURAL POSITION IN THE ARBUCKLE AND POOR RESULTS IN DST #1, DESCISION WAS MADE TO PLUG AND ABANDON THE C-P UNIT #1 WELL.

FORMATION COMPARISON

					•						D&A 10/11/76						•						•			
					CHILDS A #2						CHILDS #1						CHILDS A #4						CHILDS/ PYWELL #2			
					RON CUMMINGS						F & M OIL						BLACK DIAMOND OIL						CC OIL			
	C-P UNIT #1				S2, N2, S2, NW, Sec. 6, T10S, R19W						S2 , NW, NW, Sec. 6, T10S, R19W						SW, NE, SE, NW, Sec. 6, T10S, R19W						NE, NE, NW, NW, Sec. 6, T10S, R19W			
	KB	2239	GL	2232	KB	2236					KB	2233					KB	2236					KB	2230		
	LOG TOPS		SAMPLE TOPS		LOG		LOG		SMPL.		COMP. CARD		LOG		SMPL.		LOGS		LOG		SMPL.		LOG		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	1659	580	1658	581	1654	582	-	2	-	1	1650	583	-	3	-	2	1653	583	-	3	-	2	1636	594	-	14	-	13
BASE	1689	550	1690	549	1688	548	+	2	+	1							1690	546	+	4	+	3	1672	558	-	8	-	9
TOPEKA	3237	-998	3237	-998	3229	-993	-	5	-	5	3234	-1001	+	3	+	3	3231	-995	-	3	-	3	3225	-995	-	3	-	3
HEEBNER SHALE	3443	-1204	3442	-1203	3433	-1197	-	7	-	6	3441	-1208	+	4	+	5	3435	-1199	-	5	-	4	3431	-1201	-	3	-	2
TORONTO	3463	-1224	3461	-1222	3453	-1217	-	7	-	5	3466	-1233	+	9	+	11	3454	-1218	-	6	-	4	3450	-1220	-	4	-	2
LKC	3481	-1242	3479	-1240	3472	-1236	-	6	-	4	3483	-1250	+	8	+	10	3473	-1237	-	5	-	3	3470	-1240	-	2	+	0
BKC	3696	-1457	3694	-1455	3684	-1448	-	9	-	7	3695	-1462	+	5	+	7	3686	-1450	-	7	-	5	3684	-1454	-	3	-	1
CONGLOMERATE	3737	-1498	3732	-1493							3748	-1515	+	17	+	22	3730	-1494	-	4	+	1	3718	-1488	-	10	-	5
ARBUCKLE			3807	-1568	3782	-1546			-	22	3815	-1582			+	14	3788	-1552			-	16	3775	-1545			-	23
TOTAL DEPTH	3826	-1587	3824	-1585	3789	-1553	-	34	-	32	3840	-1607	+	20	+	22	3800	-1564	-	23	-	21	3806	-1576	-	11	-	9

ANHYDRITE

DST#1 ARBUCKLE (3728-3814)

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mustang Energy Corporation

P.O. Box 1121
Hays KS 67601

ATTN: Cameron Brin

6-10s-19w Rooks KS

C-P Unit #1

Job Ticket: 67277 **DST#: 1**

Test Start: 2021.05.12 @ 01:16:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:26:15
Time Test Ended: 07:29:15

Test Type: Conventional Bottom Hole (Initial)
Tester: Ryan Nichols
Unit No: 71

Interval: 3728.00 ft (KB) To 3814.00 ft (KB) (TVD)
Total Depth: 3814.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

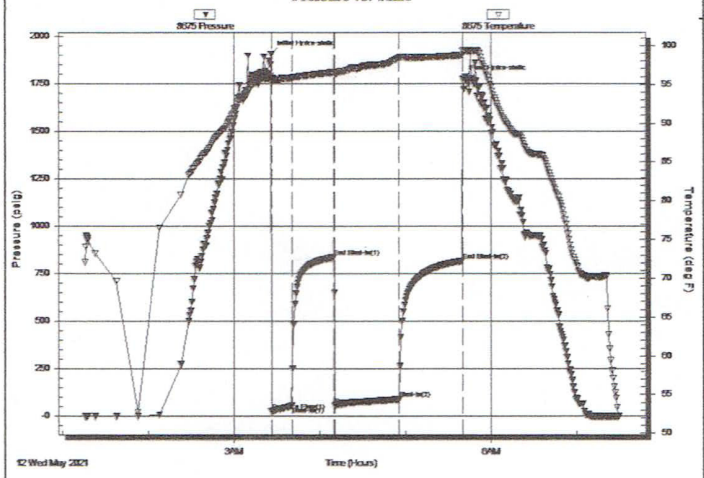
Reference Elevations: 2239.00 ft (KB)
2233.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 8675 Outside
Press@RunDepth: 89.43 psig @ 3729.00 ft (KB)
Start Date: 2021.05.12 End Date: 2021.05.12

Capacity: 8000.00 psig
Last Calib.: 2021.05.12

Start Time:	01:16:00	End Time:	07:29:15	Time On Btm:	2021.05.12 @ 03:26:00
				Time Off Btm:	2021.05.12 @ 05:40:30

TEST COMMENT: 15 IF - 1 1/2" blow built to 4 1/2"
30 ISI - No return
45 FF - Surface blow built to 5"
45 FSI - No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1902.91	96.03	Initial Hydro-static
1	25.17	95.23	Open To Flow (1)
15	53.57	95.75	Shut-In(1)
44	835.01	96.53	End Shut-In(1)
45	57.67	96.30	Open To Flow (2)
90	89.43	98.43	Shut-In(2)
134	816.43	98.75	End Shut-In(2)
135	1776.80	99.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
31.00	SOCWCM - 3%o - 5%W - 92%M	0.15
119.00	SOWCM - 1%o - 5%W - 94%M	0.87

Gas Rates

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

Trilobite Testing, Inc Ref. No: 67277 Printed: 2021.05.12 @ 07:41:42

ROCK TYPES

Cht vari, Chtcongl, Dolprim, Lmst fw7>, shale, grn, shale, gry, Carbon Sh, shale, red, CglSandy

ACCESSORIES

MINERAL
▲ Chert, dark
⁘ Sandy

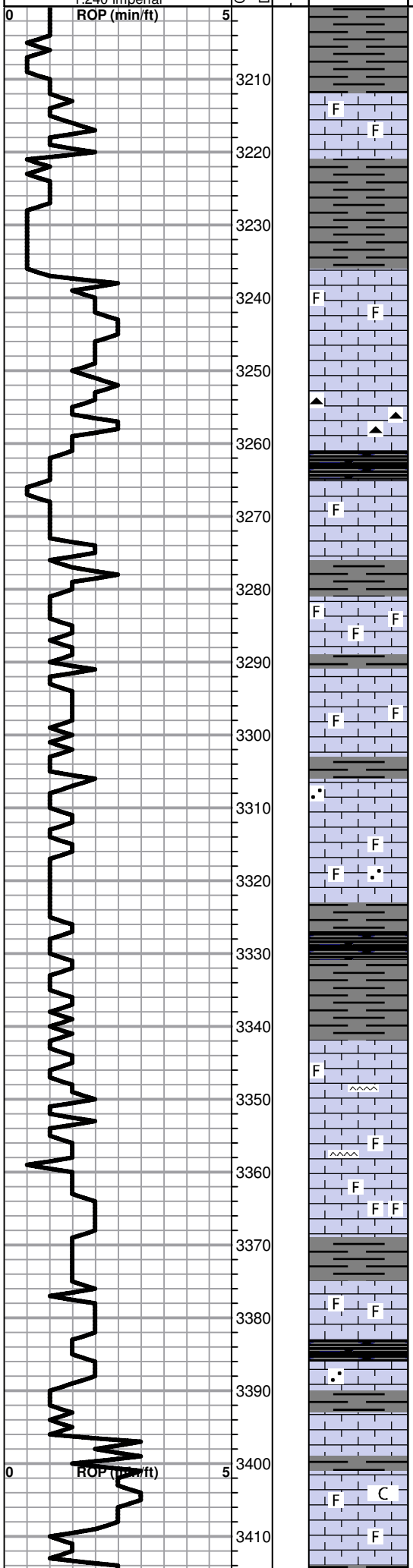
FOSSIL
F Fossils < 20%
ϕ Oolite

STRINGER
〰 Chert

TEXTURE
C Chalky

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

Curve Track #1	Depth | Intervals	DST	Lithology	Oil Show	Geological Descriptions	Curve Track #3
ROP (min/ft)	Interval / Interval					



1:240 Imperial

1' DRILL TIME FOR ANHYDRITE FROM 1640'-1700'
1' DRILL TIME FROM 3200'-RTD
10' WET/ DRY SAMPLES FROM 3220'-RTD

GEO ON LOCATION
@ 12:30 P.M.
5/10/21

Lm- gry- crm, fnxln, scat foss, few scat pcs w/ v. pr ppt por, NSO

SURFACE
CASING SET @
221'

Sh- gray

SURVEY @ 221' (1/2°)

TOPEKA: SPL 3237' (-998) LOG 3237' (-998)

Lm- gray, fnxln, scat foss

Lm- tan- gray, microxln, dense

Lm- gray-crm, micro-vfnxln, scat brn chert, chalky in prt

Sh- blk carb

Lm- crm, vfnxln, scat foss, chalky

Lm- crm-gray, vfnxln, foss throughout, mostly dnse

Lm- crm, fnxln, foss

Lm- A/A

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

Sh- blk, carb

Sh- gray

Lm- wt, micro-vfnxln, foss, cherty throughout

VIS 53
WT 8.7
LCM 2#

Lm- crm- gray, micro-vfnxln, foss, dnse

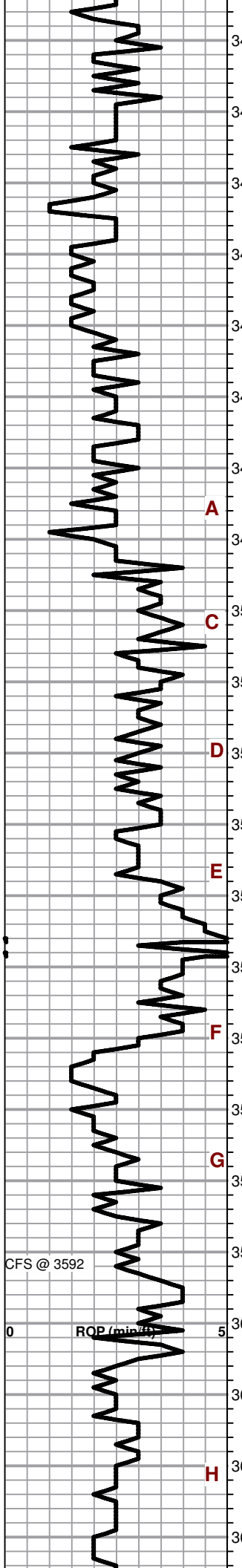
Lm- crm, fnxln, foss, few scat pcs w/ v. pr inxln por, NSO

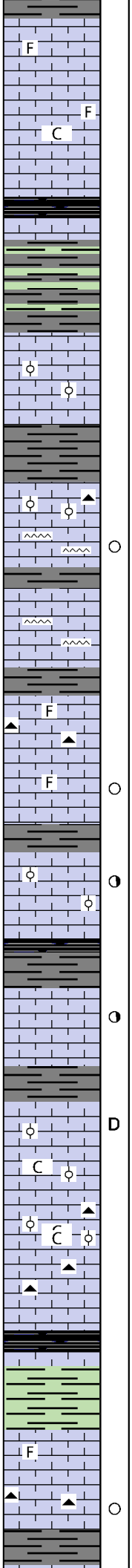
Sh- blk

Lm- wt, micro-fnxln, chalky, sandy in prt

Lm- brn-crm, vfnxln, scat foss, chalky in prt

Lm- tan, micro-vfnxln, cherty, chalky in prt





Lm- gray, vfnxln, foss, mostly dnse

Lm- crm, vfnxln, barren, chalky in prt

Lm- crm, vfnxln, barren dnse

HEEBNER: SPL 3442' (-1203) LOG 3443' (-1204)

Sh- blk, carb

Sh- gray, green

TORONTO: SPL 3461' (-1222) LOG 3463' (-1224)

Lm- wt, vfnxln, foss in prt, oolitic in prt, v few pcs v. pr inxln por, NSO

Lm- A/A

LKC: SPL 3479' (-1240) LOG 3481' (-1242)

Lm- crm- wt, micro-fnxln, scat chert, oolitic in prt, chalky in prt, scat pcs v. dnse & tight, no vis por, NSO

Lm- crm-wt, vfnxln, chert throughout, scat oolitic, mostly dnse, 1-2 pcs w/ v. pr inxln por, v. pr lt brn stn, NSFO, no odor

Lm- crm- wt, micro-vfnxln, cherty throughout, chalky in prt, scat foss, NSO

Lm- crm, vfnxln, cherty in prt, foss in prt, few pcs pr inxln por, NSO

Lm- crm, fnxln, foss in prt, few scat pcs pr inxln por, pr brn-blk stn, NSFO, pr odor

Lm- crm, fnxln, oolitic, 10-12 pcs pr-fr inoolitic- inxln por, pr brn stn, sli sheen FO in cup, fr odor

Sh- blk, gray, green

Lm- crm-tan, vfn-fnxln, 12-15 pcs pr inxln-ppt por, pr brn- tarry blk stn, v. sli sheen FO in cup, pr-fr odor

Lm- wt-tan, fnxln, foss, oolitic, few pcs pr infoss-inxln por, flakey dead black oil stn, NSFO, no odor

Lm- wt, vfnxln, oolitic, chalky, scat chert, barren

Lm- wt, microxln, cherty, mostly dnse, barren

Sh- blk

Sh- turq

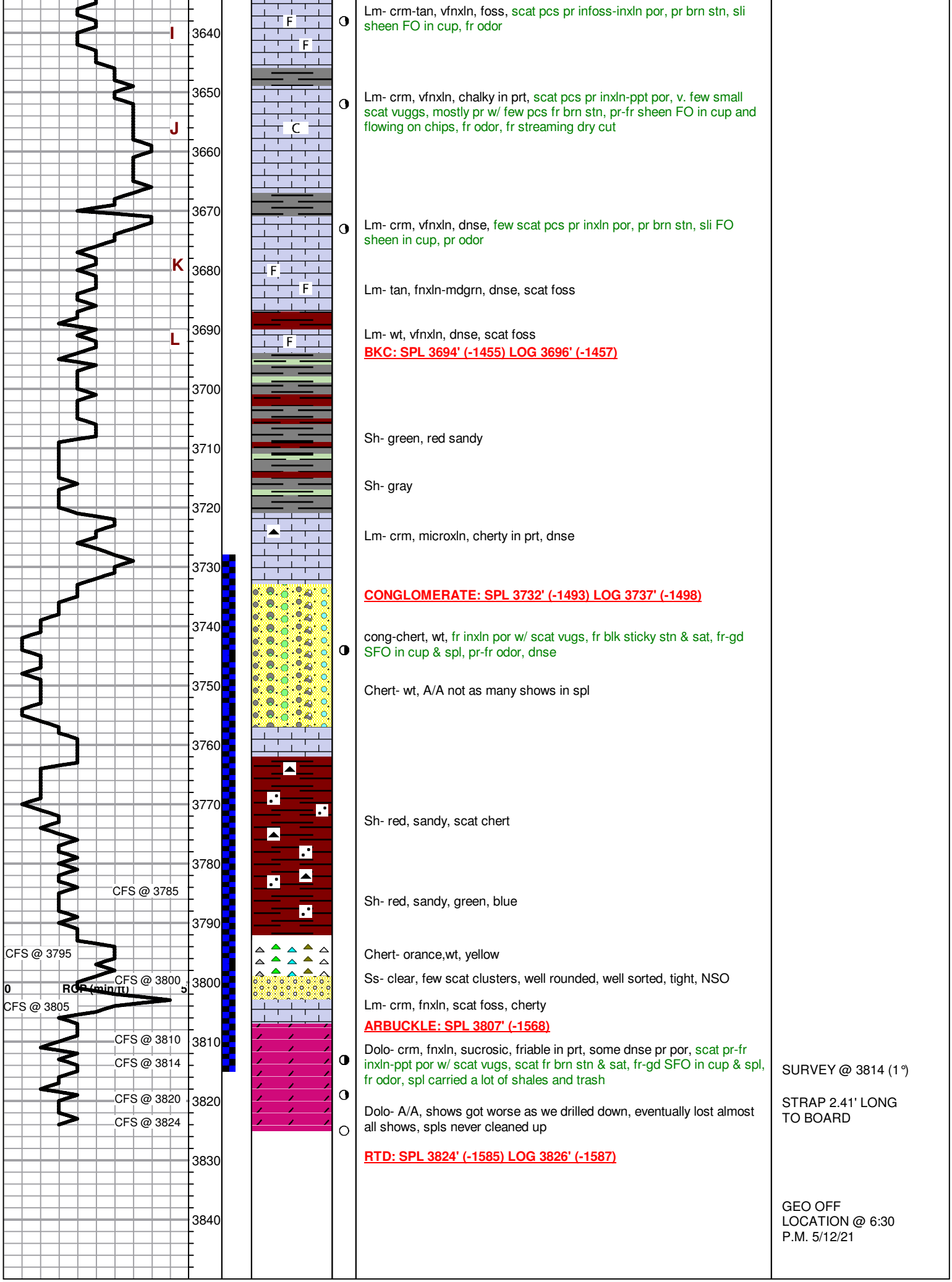
Lm- crm- off wt, microxln, scat foss, mostly dnse, barren

Lm- crm, vfnxln, sli chalky, scat cherty, v few scat pcs pr inxln por, pr brn stn, v sli sheen FO in cup, fr odor

VIS 54
WT 8.7
LCM 2#

VIS 56
WT 8.8
LCM 2#

VIS 62
WT 8.7



Lm- crm-tan, vfnxln, foss, scat pcs pr infoss-inxln por, pr brn stn, sli sheen FO in cup, fr odor

Lm- crm, vfnxln, chalky in prt, scat pcs pr inxln-ppt por, v. few small scat vuggs, mostly pr w/ few pcs fr brn stn, pr-fr sheen FO in cup and flowing on chips, fr odor, fr streaming dry cut

Lm- crm, vfnxln, dnse, few scat pcs pr inxln por, pr brn stn, sli FO sheen in cup, pr odor

Lm- tan, fnxln-mdgrn, dnse, scat foss

Lm- wt, vfnxln, dnse, scat foss

BKC: SPL 3694' (-1455) LOG 3696' (-1457)

Sh- green, red sandy

Sh- gray

Lm- crm, microxln, cherty in prt, dnse

CONGLOMERATE: SPL 3732' (-1493) LOG 3737' (-1498)

cong-chert, wt, fr inxln por w/ scat vugs, fr blk sticky stn & sat, fr-gd SFO in cup & spl, pr-fr odor, dnse

Chert- wt, A/A not as many shows in spl

Sh- red, sandy, scat chert

Sh- red, sandy, green, blue

Chert- orance,wt, yellow

Ss- clear, few scat clusters, well rounded, well sorted, tight, NSO

Lm- crm, fnxln, scat foss, cherty

ARBUCKLE: SPL 3807' (-1568)

Dolo- crm, fnxln, sucrosic, friable in prt, some dnse pr por, scat pr-fr inxln-ppt por w/ scat vugs, scat fr brn stn & sat, fr-gd SFO in cup & spl, fr odor, spl carried a lot of shales and trash

Dolo- A/A, shows got worse as we drilled down, eventually lost almost all shows, spls never cleaned up

RTD: SPL 3824' (-1585) LOG 3826' (-1587)

SURVEY @ 3814 (1°)

STRAP 2.41' LONG TO BOARD

GEO OFF LOCATION @ 6:30 P.M. 5/12/21