

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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DRILLING REPORT - LOG TOPS - UHLAENDER 1-29

MDCI
Uhlaender #1-29
2310' FNL 1650' FEL
Sec. 29-2S-35W
3226' KB

Formation	Log tops	Datum
Anhydrite	3052	+174
B/Anhydrite	3098	+128
Topeka	3936	-710
Oread	4041	-815
Lansing	4136	-910
Stark	4356	-1130
Mound City	4405	-1179
Ft Scott	4533	-1307
Oakley	4605	-1379
Mississippi	4792	-1566
RTD	4890	
LTD	4890	

TREATMENT REPORT



HURRICANE SERVICES INC

Customer: Murlin Drilling Co. Inc.	Date: 8/21/2017	Ticket No.: 100788
Field Rep: Arturo		
Address:		
City, State:		
County, Zip:		

Field Order No.: 100788	Open Hole:	Perf Depths (ft)	Perfs
Well Name: UHlaender # 1-29	Casing Depth: 348'		
Location: Beardsley	Casing Size: 8 5/8 23 Lb		
Formation:	Tubing Depth:		
Type of Service: Surface	Tubing Size:		
Well Type: Oil	Liner Depth:		
Age of Well: New	Liner Size:		
Packer Type:	Liner Top:		
Packer Depth:	Liner Bottom:		
Treatment Via: Casing	Total Depth: 347'		
		Total Perfs	0

TIME	INJECTION RATE		PRESSURE		REMARKS	PROP (lbs)	HCL (gls)	FLUID (bbls)
	FLUID	N2/CO2	STP	ANNULUS				
5:00 PM					Called Out			
8:45 PM					On Location W/Trucks Hold Safety Meeting			
					Spot & Set Up Trucks			
					TD=347' TP= 348'			
					Run 8 Jt's 8 5/8 23 Lb Cont Half Way # 1 Jt & Jt # 4			
9:45 PM					Start Casing			
11:05 PM					Casing on bottom			
11:15 PM					Hook Up To Casing Break Circulation With Rig			
11:30 PM	4.0		200.0		Start Pumping H2O			10.00
	4.0		160.0		Start Mix & Pump 285 Sacks Common 2% Gel 3% CC			69.00
	4.0		175.0		Start Displacement H2o			20.80
12:00 AM			200.0		Shut Down Circulate 16 Sacks To Pit			
					Close Valve on Casing			
					Wash Up Truck & Rack Up Truck			
12:30 AM					ON Location			
					Thank You			
					Please Call Again			
					Tony Cody Sheldon			
TOTAL:								99.80

SUMMARY

Max Fl. Rate	Avg Fl. Rate	Max PSI	Avg PSI
4.0	4.0	200.0	181.3

PRODUCTS USED

285 Sacks Common 2% Gel 3% Calcium Chloride

Treater: Tony P

Customer: Arturo



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.

29/2s/35w Rawlins KS

250 N. Water STE 300
Wichita, KS 67202

Uhlaender #1-29

Job Ticket: 68592

DST#: 1

ATTN: Michel Runnion

Test Start: 2022.04.11 @ 00:05:00

GENERAL INFORMATION:

Formation: **LKC "D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:54:06

Time Test Ended: 10:52:35

Test Type: Conventional Straddle (Initial)

Tester: James Winder

Unit No: 73

Interval: 4208.00 ft (KB) To 4255.00 ft (KB) (TVD)

Reference Elevations: 3226.00 ft (KB)

Total Depth: 4890.00 ft (KB) (TVD)

3221.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6771

Inside

Press@RunDepth: 233.41 psig @ 4209.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.04.11

End Date:

2022.04.11

Last Calib.:

2022.04.11

Start Time: 00:05:01

End Time:

10:52:35

Time On Btm:

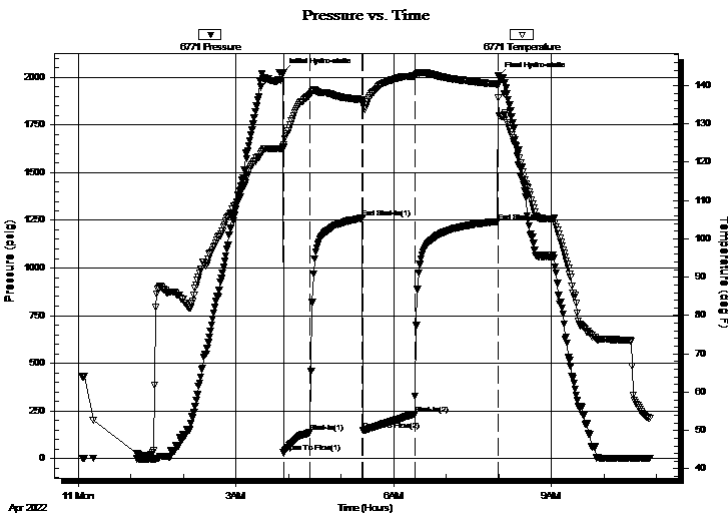
2022.04.11 @ 03:53:51

Time Off Btm:

2022.04.11 @ 07:59:06

TEST COMMENT: 30 - IF: Blow built to BOB (11") at 24 min., built to 15"
60 - IS: Blow back built to 2"
60 - FF: Blow built to BOB at 22 min., built to 25 1/2"
90 - FS: Blow back built to 4"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2026.83	124.10	Initial Hydro-static
1	29.98	123.84	Open To Flow (1)
31	135.96	137.63	Shut-In(1)
91	1262.62	136.37	End Shut-In(1)
91	146.73	135.28	Open To Flow (2)
151	233.41	142.53	Shut-In(2)
245	1244.01	140.36	End Shut-In(2)
246	2007.19	140.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GMCO 46%g, 39%o, 15%m	0.30
300.00	GMCO 60%o, 23%g, 17%m	2.08
210.00	CGO 81%o, 19%g	2.95
0.00	GIP = 300'	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.

29/2s/35w Rawlins KS

250 N. Water STE 300
Wichita, KS 67202

Uhlaender #1-29

Job Ticket: 68592

DST#: 1

ATTN: Michel Runnion

Test Start: 2022.04.11 @ 00:05:00

GENERAL INFORMATION:

Formation: **LKC "D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:54:06

Time Test Ended: 10:52:35

Test Type: Conventional Straddle (Initial)

Tester: James Winder

Unit No: 73

Interval: 4208.00 ft (KB) To 4255.00 ft (KB) (TVD)

Reference Elevations: 3226.00 ft (KB)

Total Depth: 4890.00 ft (KB) (TVD)

3221.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8367 Outside

Press@RunDepth: psig @ 4209.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.04.11 End Date: 2022.04.11

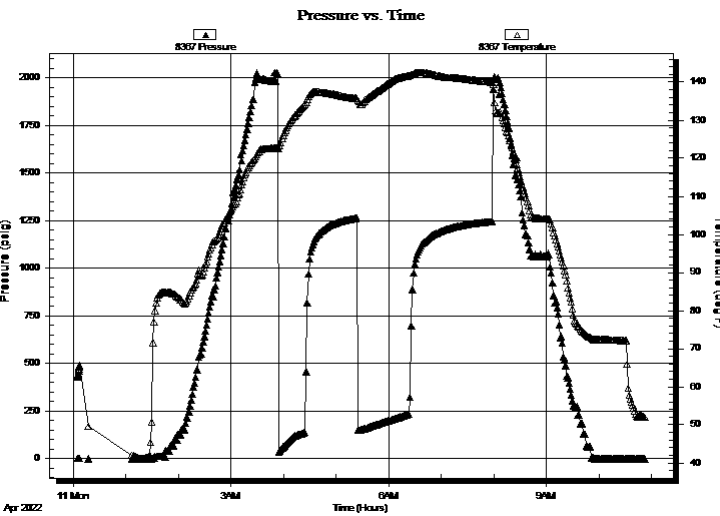
Last Calib.: 2022.04.11

Start Time: 00:05:01 End Time: 10:52:20

Time On Btm:

Time Off Btm:

TEST COMMENT: 30 - IF: Blow built to BOB (11") at 24 min., built to 15"
60 - IS: Blow back built to 2"
60 - FF: Blow built to BOB at 22 min., built to 25 1/2"
90 - FS: Blow back built to 4"



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GMCO 46%g, 39%o, 15%m	0.30
300.00	GMCO 60%o, 23%g, 17%m	2.08
210.00	CGO 81%o, 19%g	2.95
0.00	GIP = 300'	0.00

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.
 250 N. Water STE 300
 Wichita, KS 67202
 ATTN: Michel Runnion

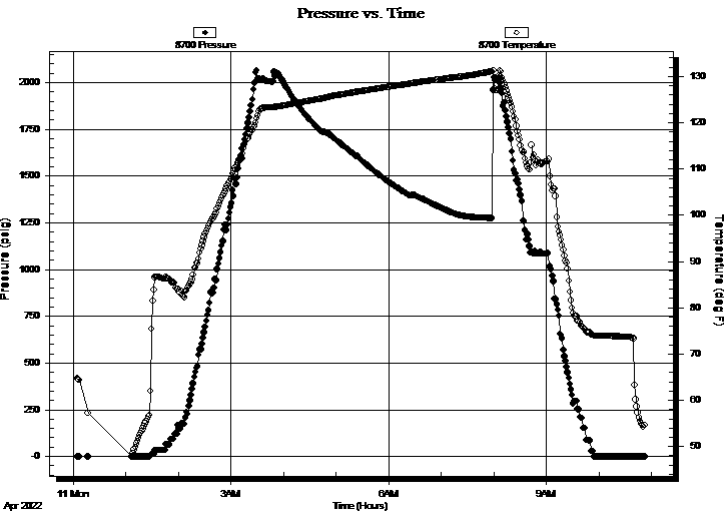
29/2s/35w Rawlins KS
Uhlaender #1-29
 Job Ticket: 68592 **DST#: 1**
 Test Start: 2022.04.11 @ 00:05:00

GENERAL INFORMATION:

Formation: **LKC "D"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:54:06
 Time Test Ended: 10:52:35
Interval: 4208.00 ft (KB) To 4255.00 ft (KB) (TVD)
 Total Depth: 4890.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Straddle (Initial)
 Tester: James Winder
 Unit No: 73
 Reference Elevations: 3226.00 ft (KB)
 3221.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8700 Below (Straddle)
 Press@RunDepth: psig @ 4256.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.04.11 End Date: 2022.04.11 Last Calib.: 2022.04.11
 Start Time: 00:05:01 End Time: 10:52:20 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30 - IF: Blow built to BOB (11") at 24 min., built to 15"
 60 - IS: Blow back built to 2"
 60 - FF: Blow built to BOB at 22 min., built to 25 1/2"
 90 - FS: Blow back built to 4"



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GMCO 46%g, 39%o, 15%m	0.30
300.00	GMCO 60%o, 23%g, 17%m	2.08
210.00	CGO 81%o, 19%g	2.95
0.00	GIP = 300'	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc.

29/2s/35w Rawlins KS

250 N. Water STE 300
Wichita, KS 67202

Uhlaender #1-29

Job Ticket: 68592

DST#: 1

ATTN: Michel Runnion

Test Start: 2022.04.11 @ 00:05:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 49.00 sec/qt
Water Loss: 9.19 in³
Resistivity: ohm.m
Salinity: 3400.00 ppm
Filter Cake: 2.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 27.6 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

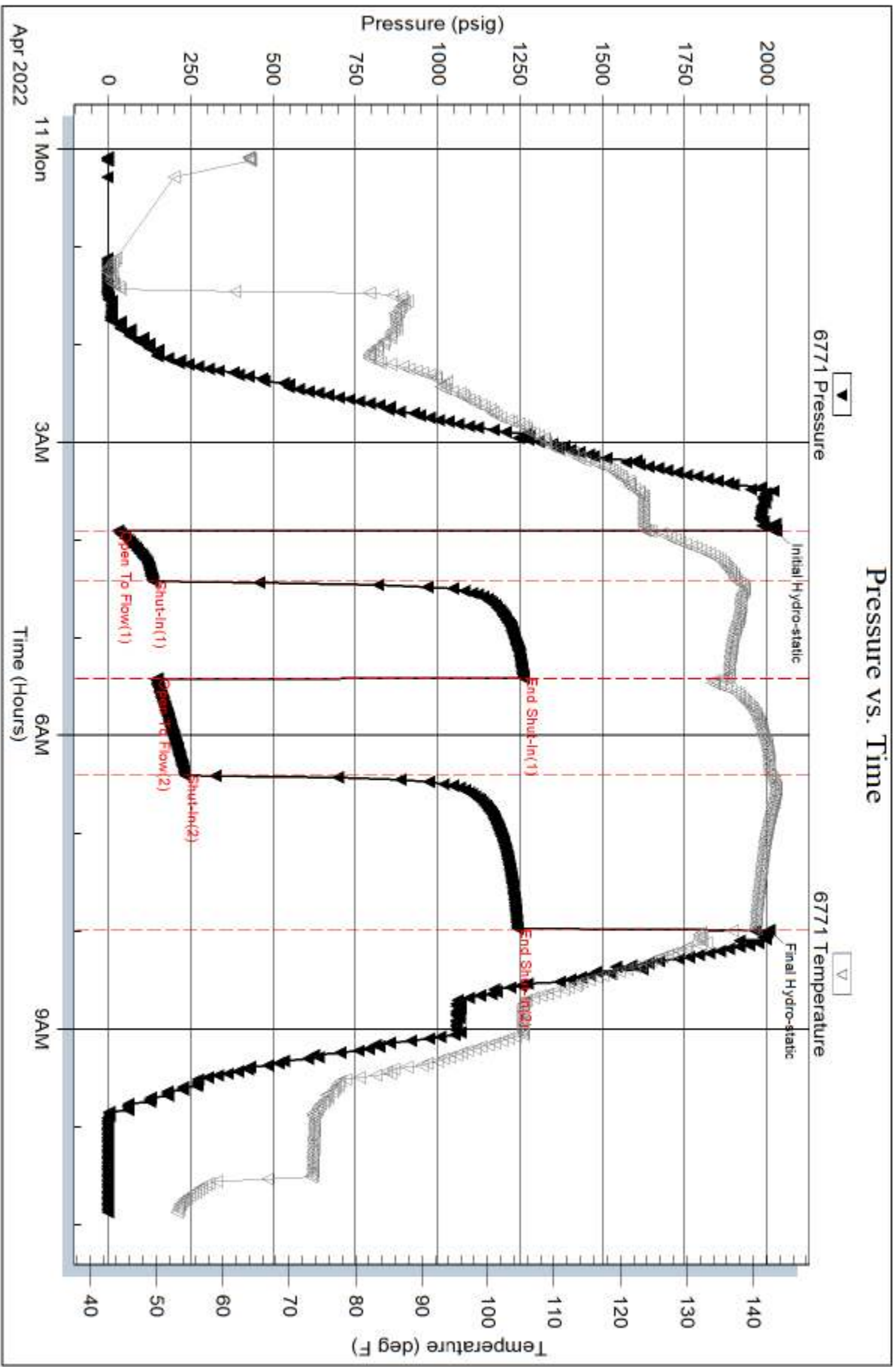
Length ft	Description	Volume bbl
60.00	GMCO 46%g, 39%o, 15%m	0.295
300.00	GMCO 60%o, 23%g, 17%m	2.077
210.00	CGO 81%o, 19%g	2.946
0.00	GIP = 300'	0.000

Total Length: 570.00 ft Total Volume: 5.318 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Gravity = 28 api @ 64 deg F Corrected Gravity = 27.6 api



Serial #: 8367

Outside Marfin Drilling Co., Inc.

Uthlander #1-29

DST Test Number: 1

