

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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Form	ACO1 - Well Completion
Operator	Murfin Drilling Co., Inc.
Well Name	PORSCH 'B' 1-34
Doc ID	1673352

All Electric Logs Run

DIL
DUCP
MEL
BHCS

DRILLING REPORT - LOG TOPS - PORSCH B 1-34

	MDCI Porsch B #1-34 2640 FSL 1980 FWL Sec. 34-T6S-R29W 2790' KB					
Formation	Sample top	Datum	Ref	Log Top	Datum	Ref
Anhydrite	2507	+283	+1	2506	+284	+2
B/Anhydrite	2541	+249	+4	2543	247	+2
Topeka	3685	-895	+4	3684	-894	+5
Heebner	3876	-1086	+7	3874	-1084	+9
Toronto	3901	-1111	+9	3901	-1111	+9
Lansing	3916	-1126	+9	3915	-1125	+10
Stark	4082	-1292	+6	4078	-1288	+10
Mound City	4131	-1341	+6	4123	-1333	+14
RTD	4250	-1460		4250	-1460	
LTD	4250	-1460		4250	-1460	



CEMENT TREATMENT REPORT

Customer:	Murfine Drilling Co	Well:	Porsch B 1-34	Ticket:	WP 3350
City, State:		County:	Sheridan,KS	Date:	9/8/2022
Field Rep:	Spencer Savage	S-T-R:	34-6S-29W	Service:	Surface

Downhole Information

Hole Size:	12 1/4 in
Hole Depth:	348 ft
Casing Size:	8 5/8 in
Casing Depth:	345 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	21.0 bbls

Calculated Slurry - Lead

Blend:	H-325
Weight:	14.8 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.41 ft ³ / sx
Annular Bbls / Ft.:	0.0735 bbls / ft.
Depth:	ft
Annular Volume:	bbls
Excess:	
Total Slurry:	62.8 bbls
Total Sacks:	250 sx

Calculated Slurry - Tail

Blend:	
Weight:	ppg
Water / Sx:	gal / sx
Yield:	ft ³ / sx
Annular Bbls / Ft.:	bbls / ft.
Depth:	ft
Annular Volume:	bbls
Excess:	
Total Slurry:	bbls
Total Sacks:	sx

		STAGE	TOTAL		
TIME	RATE	PSI	BBLs	BBLs	REMARKS
1130am					Arrive on Location
1145am					Safety Meeting
1200pm					Rig Up
					Casing 337' Plus 8' Landing Joint
1232pm	5.0	180.0	5.0		H2O Ahead
1238pm	4.5	210.0	1.0		Cement Slurry H-325 @ 14.8ppg
1246pm	5.5	390.0	32.0		
1252pm	4.5	200.0	1.0		Displacement
1258pm		65.0	21.0		Close in head ISIP 65PSI 5bbls Circulated to Pit
100pm					Wash Up
110pm					Rig Down
115pm					Leave Location

CREW		UNIT	SUMMARY		
Cementer:	Spencer	26	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Micheal	230	4.9 bpm	209 psi	60 bbls
Bulk #1:	Tyler	180/250			
Bulk #2:	Scotty	VAP			



CEMENT TREATMENT REPORT

Customer: Murfin Drilling Co	Well: Porsch B # 1-34	Ticket: WP-3385
City, State: Selden KS	County: Sheridan KS	Date: 9/15/2022
Field Rep: Arturo	S-T-R: 34-6S-29W	Service: PTA

Downhole Information	
Hole Size:	7 7/8 in
Hole Depth:	ft
Casing Size:	8 5/8 in
Casing Depth:	ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	48.3 bbls

Calculated Slurry - Lead	
Blend:	H-Plug
Weight:	13.8 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.42 ft ³ / sx
Annular Bbls / Ft.:	0.0406 bbs / ft.
Depth:	2530 ft
Annular Volume:	102.7 bbls
Excess:	
Total Slurry:	64.5 bbls
Total Sacks:	255 sx

Calculated Slurry - Tail	
Blend:	
Weight:	ppg
Water / Sx:	gal / sx
Yield:	ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	0 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
1:45p			-	-	Arrival
1:50p				-	Safety meeting
1:55p				-	Rlg up
4:20p	5.0	300.0	5.0	5.0	H2O ahead
4:23p	4.6	320.0	12.6	17.6	Mixed 50 sks of H-plug @ 13.8 ppg @ 2785'
4:27p	6.3	250.0	31.5	49.1	Displaced H2O
4:32p				49.1	Pull pipe to 1700'
6:00p	5.2	220.0	5.0	54.1	H2O ahead
5:03p	4.5	260.0	25.2	79.3	Mixed 100 sks of H-plug @ 13.8 ppg @ 1700'
5:08p	5.0	160.0	15.3	94.6	Displaced H2O
5:12p				94.6	Pull pipe to 400'
5:52p	5.3	110.0	5.0		H2O ahead
5:55p	5.0	190.0	12.6		Mixed 50 sks of H-plug @ 13.8 ppg @ 400'
5:59p	2.5	100.0	1.5		Displaced H2O
6:02p					Pull pipe to surface
6:45p	3.0	110.0	2.5		Mixed 10 sks of H-plug @ 13.8 ppg @ 40'
6:50p	3.0	110.0	7.5		Mixed 100 sks of H-plug @ 13.8 ppg @ Rat hole
6:55p	3.0	110.0	3.8		Mixed 30 sks of H-plug @ 13.8 ppg @ Mouse hole
7:00p					Plug down
7:03p					Wash up
7:12p					Rlg down
7:30p					Depart location

CREW		UNIT	SUMMARY		
Cementer: Jesse		78	Average Rate	Average Pressure	Total Fluid
Pump Operator: Michael		230	4.4 bpm	187 psi	128 bbls
Bulk #1: Tyler		180-530			
Bulk #2:					

Robert D. Hendrix

Petroleum Geologist

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY **Murfin Drilling Company Inc.**

LEASE **Porsch 'B' #1-34**

FIELD **Wildcat**

LOCATION **2640' Isl & 1980' fwl**

SEC **34** TWP **6S** RGE **29W**

COUNTY **Sheridan** STATE **Kansas**

CONTRACTOR **Murfin Drilling Company Inc. Rig #7**

SPUD **9/7/2022** COMP **9/15/2022**

RTD **4250** LTD **4249**

MUD UP **3361** TYPE MUD **Chemical**

SAMPLES SAVED FROM **3590** TO **4250**

DRILLING TIME KEPT FROM **3590** TO **4250**

SAMPLES EXAMINED FROM **3590** TO **4250**

GEOLOGICAL SUPERVISION FROM **3488**

GEOLOGIST ON WELL **Robert D. Hendrix**

ELEVATIONS

KB **2790**

DF _____

GL **2785**

Measurements Are All From **Kelly Bushing**

CASING

CONDUCTOR _____

SURFACE **8-5/8" at 348'**

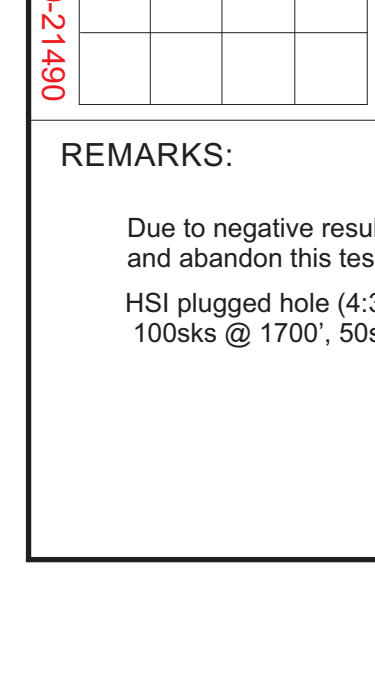
PRODUCTION _____

ELECTRICAL SURVEYS

Dual Induction/Resist compensated porosity
Microlog/Seismic Midress wireline

FORMATION TOPS

FORMATION TOPS	ELECTRIC LOG	SAMPLE
Anhydrite	2507 (+283)	2507 (+283)
Topeka	3685 (-895)	3685 (-895)
Heebner	3876 (-1086)	3876 (-1086)
Lansing	3916 (-1126)	3916 (-1126)
Stark	4082 (-1292)	4082 (-1292)
Mound City	4131 (-1341)	4131 (-1341)



AP# 15-179-21490

REMARKS:

Due to negative results on 3 drill stem test's that covered all shows, the decision was made to plug and abandon this test.
 HSI plugged hole (4:30PM - 7:00PM 09/15) as follows using H-plug w/250sxs. 50sxs @ 2530', 100sks @ 1700', 50sxs @ 400', 10sxs @ 40', 30sxs RH and 15sxs MH. RR @ 11:00PM 09/15/2022.

LEGEND

	Anhydrite		Sandstone		Limestone		Shale		Carb Sh		Cherty LS		Chert		Dolomite
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DEPTH	LITHOLOGY	SAMPLE DESCRIPTION	REMARKS
2500			Anhydrite 2507 (+283)
2550			Base Anhydrite 2542 (+248)
3600		Limestone: tan to white, m-ixln, chalky, fossiliferous, no vis por Shale: gray dark to light, fossiliferous	Geologist on location at 3488' @ 3:15 pm 9/10/2022 Bit change from pdc to button at 3488' strap was 2.06' Long to board.
50		Limestone: tan to gray, f-mxln, sl chalky, fossiliferous, no vis por Shale: gray, biotitic, silty Limestone: tan to white, f-xln, chalky, granular, fossiliferous, no vis por Shale: gray, red Limestone: tan to white, f-xln, chalky, oolitic, fossiliferous, no vis por Limestone: tan to white, f-xln, chalky, granular, fossiliferous, no vis por Shale: black, gray, red, pyritic	
3700		Limestone: tan to gray, f-xln, dense, sl fossiliferous, no vis por Shale: gray, green, red Limestone: tan, f-xln, chalky, granular, sl fossiliferous, no vis por Shale: black, gray, red	
CFS		Sandstone: tan to gray, f-md gm, md, well sorted, calcareous, glauconitic, biotitic, no vis por Shale: gray, green, red	8:00am, 9/11/2022
CFS		Limestone: tan, f-mxln, chalky, oolitic, fossiliferous, pr interxln por, ns Limestone: tan, f-mxln, chalky, oolitic, fossiliferous, pr interxln por, 5% scattered black stain, gilsonite, nfo, no odor Shale: gray, red Limestone: white to tan, f-mxln, v-chalky, fossiliferous, sl amt of gilsonite, no vis por Limestone: tan to white, f-xln, v-chalky, granular, fossiliferous, sl interxln por Shale: black, gray, red Limestone: tan to white, f-xln, v-chalky, granular, fossiliferous, sl interxln por Limestone: tan to white, f-xln, v-chalky, granular, fossiliferous, sl interxln por Shale: black carbonaceous, gray Shale: black, gray, red	
3800		Shale: black, gray, red Limestone: tan to brown, m-xln, oolitic, fossiliferous, pyritic, no vis por Limestone: tan to white, f-xln, chalky, oolitic, fossiliferous, no vis por Shale: red, gray, green Limestone: tan to gray, f-xln, chalky, oolitic, fossiliferous, no vis por Limestone: tan to gray/green, f-mxln, chalky, oolitic, fossiliferous, dense and part, no vis por Shale: red, gray, green Limestone: tan to brown, f-mxln, v-chalky, oolitic, fossiliferous, no vis por Shale: gray, red, green	wt 9.0, vis. 60, lcm 4# Morgan Mud, Dave Lines
CFS		Limestone: tan, f-mxln, v-chalky, oolitic, fossiliferous, pr oolitic por, ns Limestone: tan, f-xln, chalky, oolitic in part, mostly dense, fossiliferous, no vis por, ns Limestone: tan to brown, f-mxln, chalky, oolitic, fossiliferous, sl pyritic, pr interxln por, ns Shale: black carbonaceous	DST #1 3873-3912 30-60-30-60 1st open: wk blow built to 1/4" 2nd open: no blow no returns Rec: 2' mud hydro: 1953-1828 psi lf: 18-19 psi ff: 18-19 psi sip: 89-50 psi bht: 111° F
3900		Limestone: white to tan, m-xln, sl-chalky, pyritic, oolitic, fossiliferous, 30% sample fr pp to foss por, gd dark spotty to sat stain, frso, good odor Shale: gray, green, red, black	Heebner 3876 (-1086)
CFS		Limestone: tan to white, f-mxln, chalky, oolitic, cherty, fossiliferous, no vis por, ns Limestone: tan to white, f-xln, sl chalky, mostly dense, cherty, fossiliferous, sl amt of pyrite, no vis por, ns Shale: red, gray, green, sl amt of pyrite	Toronto 3901 (-1111) 8:00am, 9/12/2022 wt 9.0, vis. 76, lcm 5# Morgan Mud, Cade Lines
CFS		Limestone: white, f-mxln, chalky, v-fossiliferous, oolitic in part, 5% sample fr pp to foss por, black spotty to sat stain, prsfo more on break, fr odor Shale: gray, green, red Limestone: tan, f-mxln, v-chalky, oolitic, fossiliferous, fr pp to interxln por, dark spotty stain, nfo, no odor Limestone: white to tan, f-xln, dense, cherty (orange to tan), fossiliferous, no vis por Shale: gray, green, red, blocky, silty Limestone: white to tan, f-xln, dense, fossiliferous, no vis por Shale: gray, green, red	Lansing 3916 (-1126)
CFS		Limestone: tan, f-xln, sl chalky, mostly dense, fossiliferous, 3 pc's pr pp por, dark spotty stain, prsfo, no odor Limestone: tan, f-xln, dense, sl cherty, fossiliferous, no vis por Limestone: tan to white, f-xln, chalky, oolitic in part, mostly dense, fr amt of pyrite, pr amt of pr interxln por, ns Limestone: tan to white, f-xln, dense, sl cherty, fossiliferous, no vis por, ns Shale: gray, red, black Limestone: tan to brown, vf-xln, mostly dense, fossiliferous, no vis por, ns Shale: gray, red, black Limestone: tan to white, f-xln, chalky, oolitic in part, dense, sl amt of pyrite, sl cherty, no vis por, ns Shale: gray, black, argillaceous, soft, silty Shale: gray, green, red, argillaceous	DST #2 3975 - 4008 30-60-30-60 1st open: blow built to 3 1/4" 2nd open: blow built to 2 1/2" no returns Rec: 210' mud hydro: 2025-2011 psi lf: 18-64 psi ff: 68-106 psi sip: 1290-1275 psi bht: 116° F
4000		Limestone: tan to white, f-xln, chalky, oolitic in part, mostly dense, fr amt of pyrite, pr amt of pr interxln por, ns Limestone: tan to white, f-xln, dense, sl cherty, fossiliferous, no vis por, ns Shale: gray, red, black Limestone: tan to brown, vf-xln, mostly dense, fossiliferous, no vis por, ns Shale: gray, red, black Limestone: tan to white, f-xln, chalky, oolitic in part, dense, sl amt of pyrite, sl cherty, no vis por, ns Shale: gray, black, argillaceous, soft, silty Shale: gray, green, red, argillaceous	8:00am, 9/13/2022 wt 9.1, vis. 60, lcm 5# Morgan Mud, Cade Lines
CFS		Shale: gray, green, red, argillaceous	DST #3 4047- 4083 30-60-30-60 1st open: wk blow built to 3/4" 2nd open: wk blow built to 1" no returns Rec: 30' swocm 5/30/65 hydro: 2083-2035 psi lf: 19-23 psi ff: 30-35 psi sip: 1219-1094 psi bht: 114° F
4100		Shale: gray, green, red, argillaceous Limestone: tan, f-mxln, chalky, oolitic in part, fossiliferous, 10% sample fr pp to foss/ool por, dark spotty to sat stain, frsfo, gd odor Shale: dark to lt gray, green Shale: red, gray, green, silty Limestone: tan to gray, vf-xln, sl chalky, dense, sl fossiliferous, no vis por, ns Shale: red, dark to lt gray, green Limestone: tan to gray, vf-xln, sl chalky, dense, sl fossiliferous, no vis por, ns Shale: red, dark to lt gray, green	Stark 4082 (-1292) 8:00am, 9/14/2022 wt 9.1, vis. 78, lcm 6# Morgan Mud, Cade Lines
CFS		Shale: dark to lt gray, green	
4200		Limestone: white to tan, f-xln, chalky, v-fossiliferous, no vis por Shale: red, gray, argillaceous Shale: gray, red, green, silty Limestone: tan/white to lt gray, f-xln, chalky, fossiliferous, pyritic, no vis por Shale: gray, red, green, silty Shale: red, gray, argillaceous Limestone: tan to gray, f-xln, cherty, fossiliferous, no vis por Shale: gray, green, red Limestone: white to tan, f-xln, chalky, oolitic, fossiliferous, pr interxln por, ns Shale: gray, green, red	Mound City 4131 (-1341)
RTD			4250 (-1460) Geologist off location at 12:30 pm, 9/15/2022



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company Inc**

250 N Water Ste 300
Wichita, KS 67202

ATTN: Robert Hendrix

Porsch B #1-34

34-6-29W Sheridan, KS

Start Date: 2022.09.12 @ 03:28:00

End Date: 2022.09.12 @ 10:08:30

Job Ticket #: 68962 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2022.09.16 @ 11:21:05



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Company Inc

34-6-29W Sheridan, KS

250 N Water Ste 300
Wichita, KS 67202

Porsch B #1-34

Job Ticket: 68962

DST#: 1

ATTN: Robert Hendrix

Test Start: 2022.09.12 @ 03:28:00

GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:32:00

Time Test Ended: 10:08:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Nathan Aneas

Unit No: 71

Interval: 3873.00 ft (KB) To 3912.00 ft (KB) (TVD)

Reference Elevations: 2790.00 ft (KB)

Total Depth: 3912.00 ft (KB) (TVD)

2785.00 ft (CF)

Hole Diameter: 7.87 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8353 Outside

Press@RunDepth: 19.15 psig @ 3874.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.09.12

End Date:

2022.09.12

Last Calib.:

2022.09.12

Start Time: 03:28:01

End Time:

10:08:30

Time On Btm:

2022.09.12 @ 05:31:15

Time Off Btm:

2022.09.12 @ 08:34:45

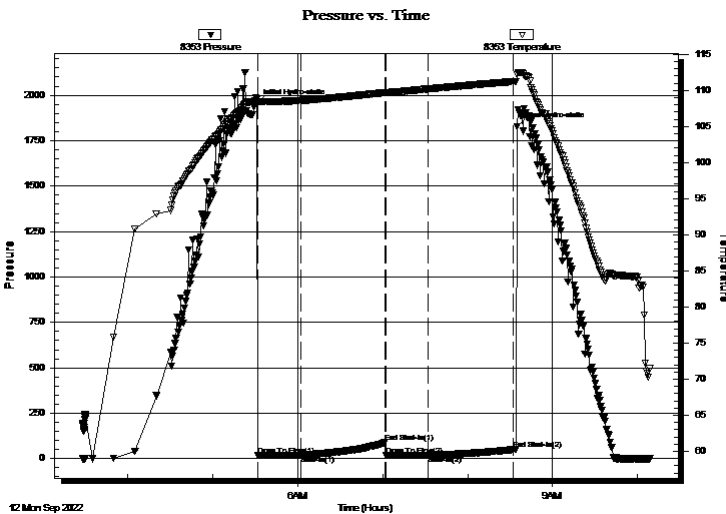
TEST COMMENT: 30:IF- Weak surface blow , built to 1/4 inch in 10 min, final is 1/4 inch

60:IS- No blow back

30:FF- No blow

60:FS- No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1953.39	108.79	Initial Hydro-static
1	18.33	108.47	Open To Flow (1)
31	19.20	108.61	Shut-In(1)
91	88.64	109.71	End Shut-In(1)
92	17.94	109.70	Open To Flow (2)
121	19.15	110.21	Shut-In(2)
181	50.01	111.24	End Shut-In(2)
184	1827.76	112.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud 100%M	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company Inc

34-6-29W Sheridan, KS

250 N Water Ste 300
Wichita, KS 67202

Porsch B #1-34

Job Ticket: 68962

DST#: 1

ATTN: Robert Hendrix

Test Start: 2022.09.12 @ 03:28:00

Tool Information

Drill Pipe:	Length: 3613.00 ft	Diameter: 3.80 inches	Volume: 50.68 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 68000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	3873.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	39.00 ft			
Tool Length:	71.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3846.00	
Hydraulic tool	5.00			3851.00	
Jars	5.00			3856.00	
EM Tool	4.00			3860.00	
Safety Joint	3.00			3863.00	
Packer	5.00			3868.00	32.00 Bottom Of Top Packer
Packer	5.00			3873.00	
Stubb	1.00			3874.00	
Recorder	0.00	8353	Outside	3874.00	
Recorder	0.00	8676	Inside	3874.00	
Perforations	35.00			3909.00	
Bullnose	3.00			3912.00	39.00 Bottom Packers & Anchor

Total Tool Length: 71.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company Inc

34-6-29W Sheridan, KS

250 N Water Ste 300
Wichita, KS 67202

Porsch B #1-34

Job Ticket: 68962

DST#: 1

ATTN: Robert Hendrix

Test Start: 2022.09.12 @ 03:28:00

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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Mud 100%M	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

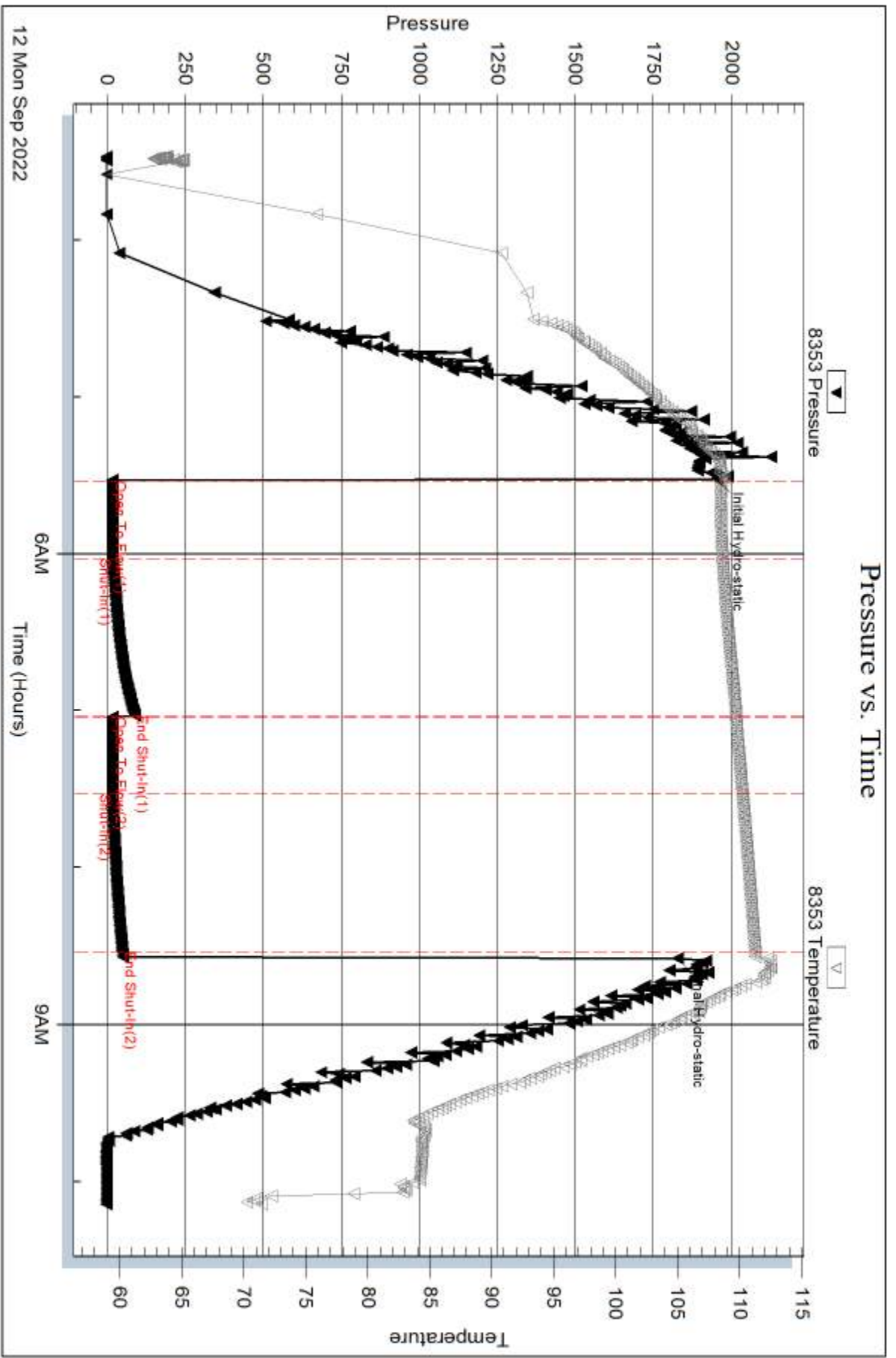
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



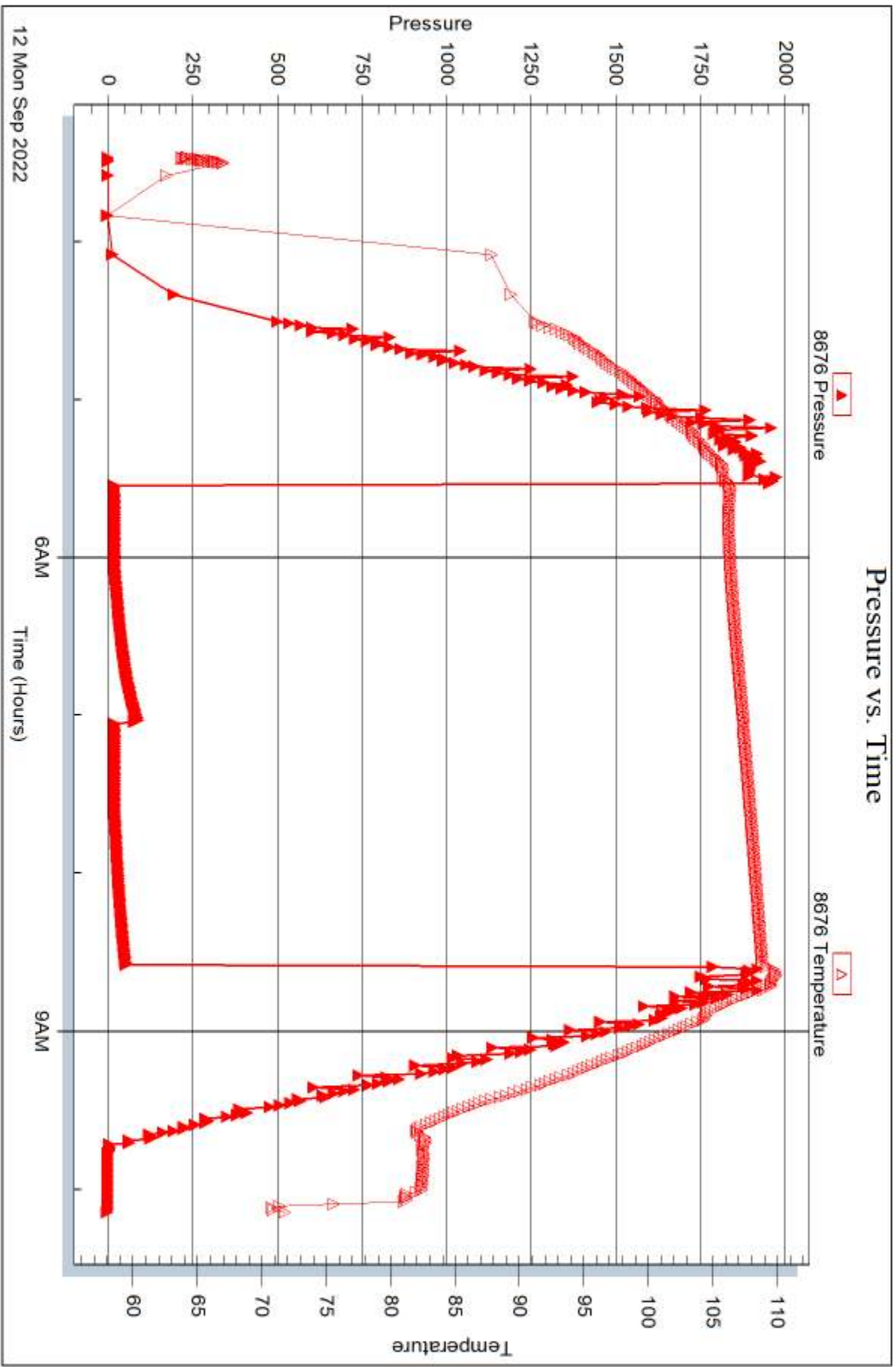
Serial #: 8676

Inside

Murfin Drilling Company Inc

Porsch B#1-34

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 68962

Printed: 2022.09.16 @ 11:21:07



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company Inc**

250 N Water Ste 300
Wichita, KS 67202

ATTN: Robert Hendrix

Porsch B #1-34

34-6-29W Sheridan, KS

Start Date: 2022.09.13 @ 06:15:00

End Date: 2022.09.13 @ 13:05:45

Job Ticket #: 68963 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2022.09.16 @ 11:18:28



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Murfin Drilling Company Inc

34-6-29W Sheridan, KS

250 N Water Ste 300
Wichita, KS 67202

Porsch B #1-34

Job Ticket: 68963

DST#: 2

ATTN: Robert Hendrix

Test Start: 2022.09.13 @ 06:15:00

GENERAL INFORMATION:

Formation: **LKC F - G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:17:00

Time Test Ended: 13:05:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Nathan Aneas

Unit No: 71

Interval: 3975.00 ft (KB) To 4008.00 ft (KB) (TVD)

Reference Elevations: 2790.00 ft (KB)

Total Depth: 4008.00 ft (KB) (TVD)

2785.00 ft (CF)

Hole Diameter: 7.87 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8353 Outside

Press@RunDepth: 106.07 psig @ 3976.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.09.13

End Date: 2022.09.13

Last Calib.: 2022.09.13

Start Time: 06:15:01

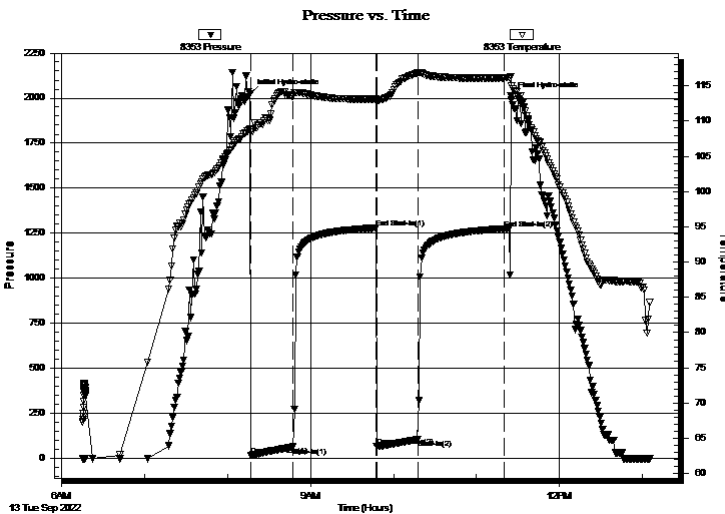
End Time: 13:05:45

Time On Btm: 2022.09.13 @ 08:16:15

Time Off Btm: 2022.09.13 @ 11:24:45

TEST COMMENT: 30:IF- Fair surface blow , built to 2" in 10 min, final is 3 1/4"
60:IS- No blow back
30:FF- Weak surface blow in 10 min, final is 2 1/2 "
60:FS- No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2024.60	108.94	Initial Hydro-static
1	18.95	108.52	Open To Flow (1)
31	64.43	113.54	Shut-In(1)
91	1279.52	113.13	End Shut-In(1)
92	68.47	112.85	Open To Flow (2)
122	106.07	116.83	Shut-In(2)
184	1275.42	116.13	End Shut-In(2)
189	2010.79	116.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
210.00	Mud 100%M	1.03

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Company Inc

250 N Water Ste 300
Wichita, KS 67202

ATTN: Robert Hendrix

34-6-29W Sheridan, KS

Porsch B #1-34

Job Ticket: 68963

DST#: 2

Test Start: 2022.09.13 @ 06:15:00

GENERAL INFORMATION:

Formation: **LKC F - G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:17:00

Time Test Ended: 13:05:45

Interval: 3975.00 ft (KB) To 4008.00 ft (KB) (TVD)

Total Depth: 4008.00 ft (KB) (TVD)

Hole Diameter: 7.87 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Nathan Aneas

Unit No: 71

Reference Elevations: 2790.00 ft (KB)

2785.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8676

Inside

Press@RunDepth: psig @ 3976.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.09.13 End Date: 2022.09.13

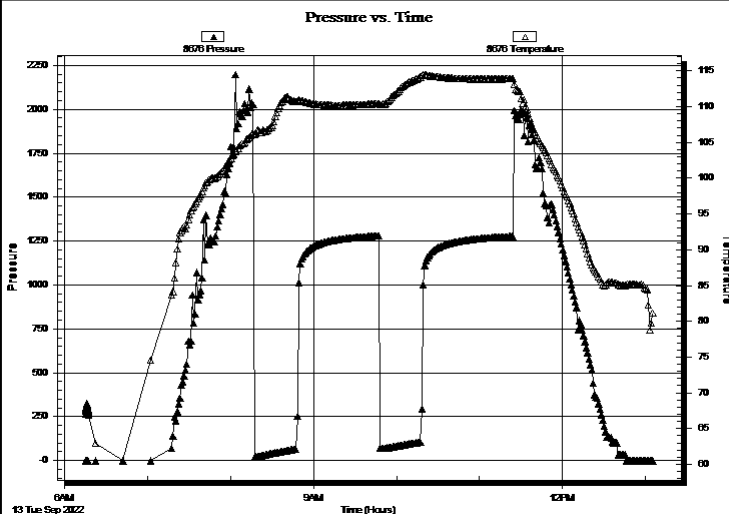
Last Calib.: 2022.09.13

Start Time: 06:15:01 End Time: 13:05:45

Time On Btm:

Time Off Btm:

TEST COMMENT: 30:IF- Fair surface blow , built to 2" in 10 min, final is 3 1/4"
60:IS- No blow back
30:FF- Weak surface blow in 10 min, final is 2 1/2 "
60:FS- No blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
210.00	Mud 100%M	1.03

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company Inc

34-6-29W Sheridan, KS

250 N Water Ste 300
Wichita, KS 67202

Porsch B #1-34

Job Ticket: 68963

DST#: 2

ATTN: Robert Hendrix

Test Start: 2022.09.13 @ 06:15:00

Tool Information

Drill Pipe:	Length: 3707.00 ft	Diameter: 3.80 inches	Volume: 52.00 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 68000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	3975.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	33.00 ft			
Tool Length:	65.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3948.00	
Hydraulic tool	5.00			3953.00	
Jars	5.00			3958.00	
EM Tool	4.00			3962.00	
Safety Joint	3.00			3965.00	
Packer	5.00			3970.00	32.00 Bottom Of Top Packer
Packer	5.00			3975.00	
Stubb	1.00			3976.00	
Recorder	0.00	8353	Outside	3976.00	
Recorder	0.00	8676	Inside	3976.00	
Perforations	29.00			4005.00	
Bullnose	3.00			4008.00	33.00 Bottom Packers & Anchor

Total Tool Length: 65.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company Inc

34-6-29W Sheridan, KS

250 N Water Ste 300
Wichita, KS 67202

Porsch B #1-34

Job Ticket: 68963

DST#: 2

ATTN: Robert Hendrix

Test Start: 2022.09.13 @ 06:15:00

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: 76.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
210.00	Mud 100%M	1.033

Total Length: 210.00 ft Total Volume: 1.033 bbl

Num Fluid Samples: 0

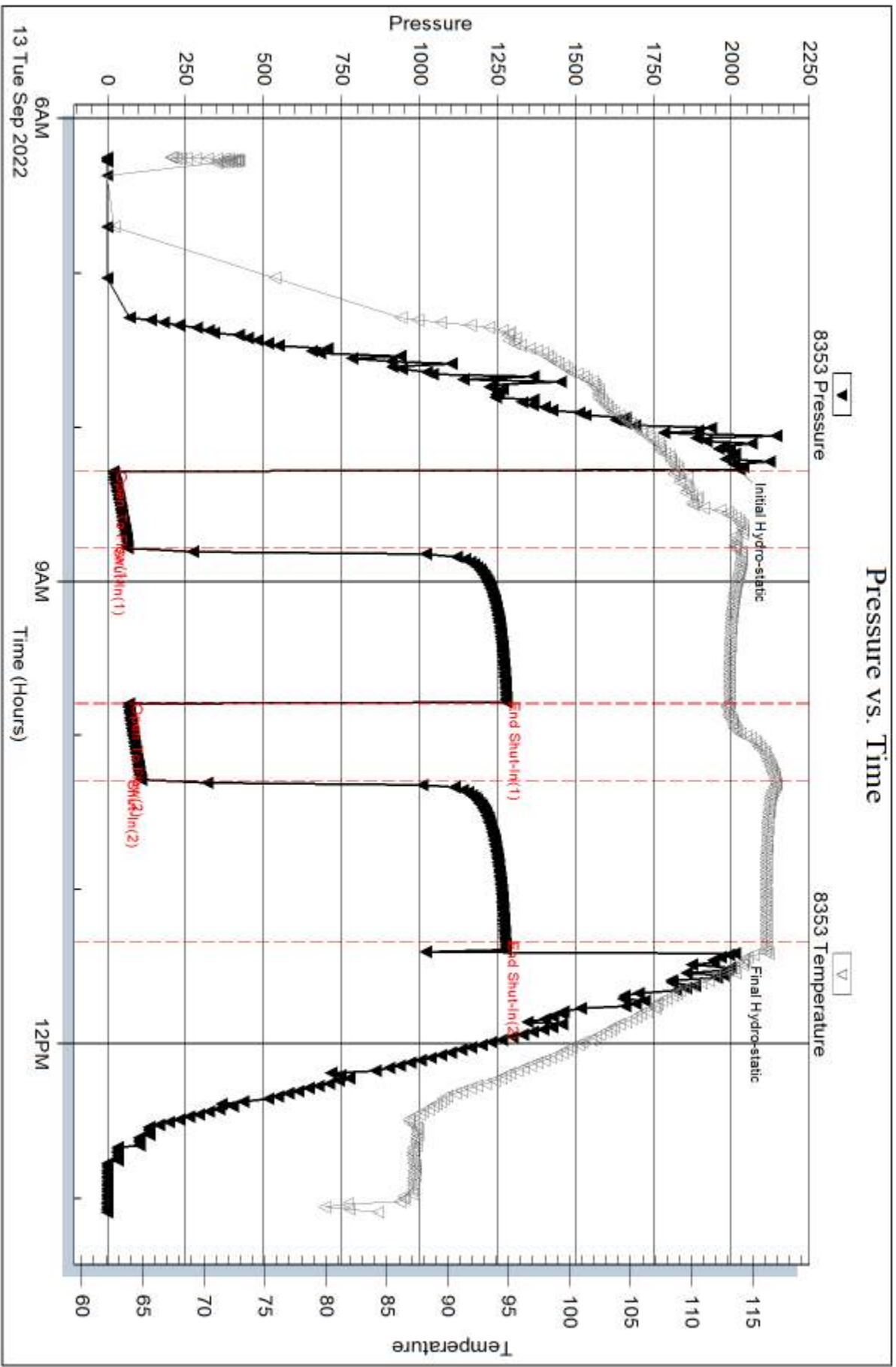
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



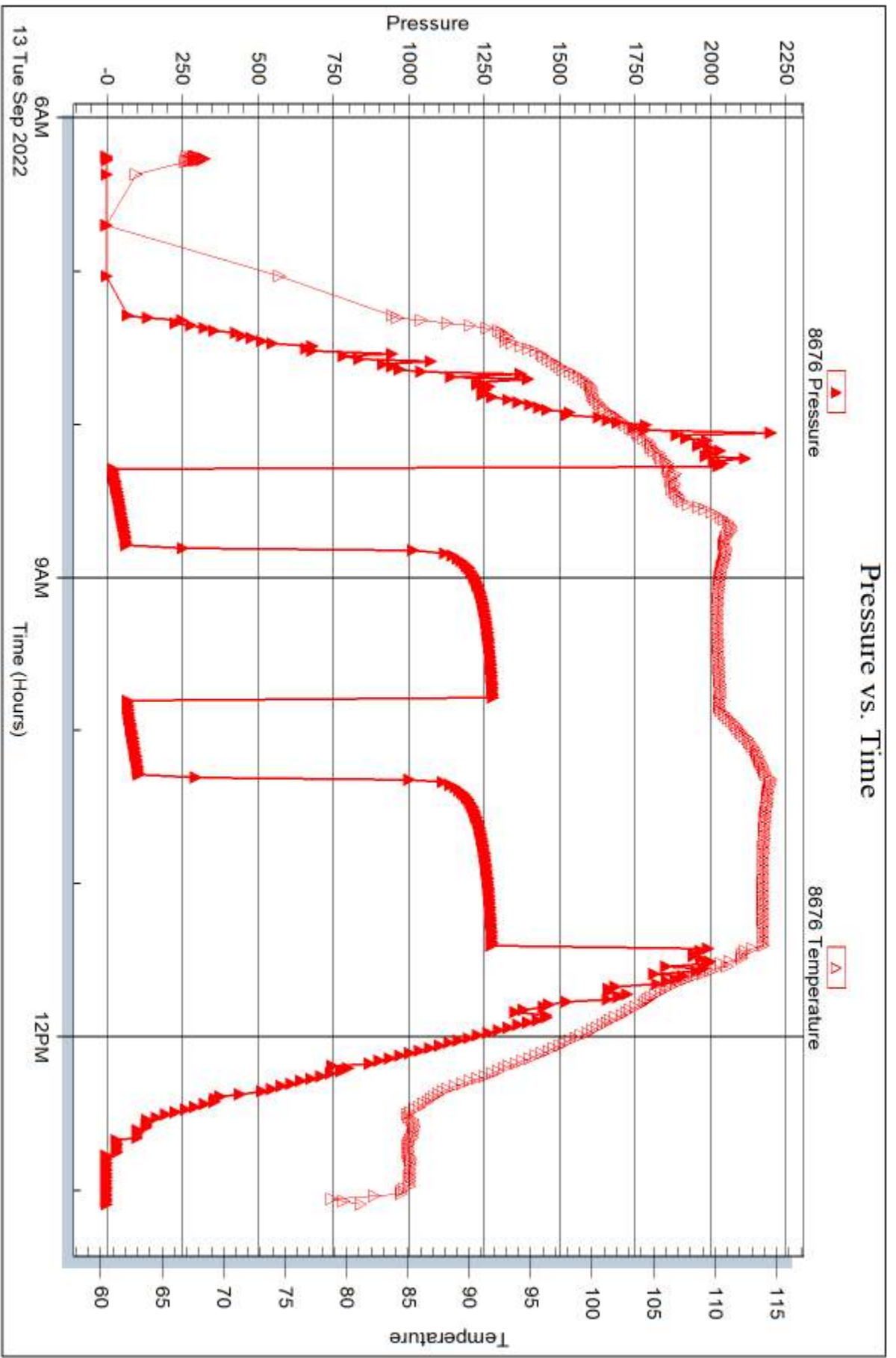
Serial #: 8676

Inside

Murfin Drilling Company Inc

Porsch B#1-34

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 68963

Printed: 2022.09.16 @ 11:18:29



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company Inc**

250 N Water Ste 300
Wichita, KS 67202

ATTN: Robert Hendrix

Porsch B #1-34

34-6-29W Sheridan, KS

Start Date: 2022.09.14 @ 03:10:00

End Date: 2022.09.14 @ 09:57:15

Job Ticket #: 68964 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2022.09.16 @ 11:15:55



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Company Inc

34-6-29W Sheridan, KS

250 N Water Ste 300
Wichita, KS 67202

Porsch B #1-34

Job Ticket: 68964

DST#: 3

ATTN: Robert Hendrix

Test Start: 2022.09.14 @ 03:10:00

GENERAL INFORMATION:

Formation: **LKC J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:03:15

Time Test Ended: 09:57:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Nathan Aneas

Unit No: 71

Interval: 4047.00 ft (KB) To 4083.00 ft (KB) (TVD)

Reference Elevations: 2790.00 ft (KB)

Total Depth: 4083.00 ft (KB) (TVD)

2785.00 ft (CF)

Hole Diameter: 7.87 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8353 Outside

Press@RunDepth: 34.58 psig @ 4048.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.09.14

End Date: 2022.09.14

Last Calib.: 2022.09.14

Start Time: 03:10:01

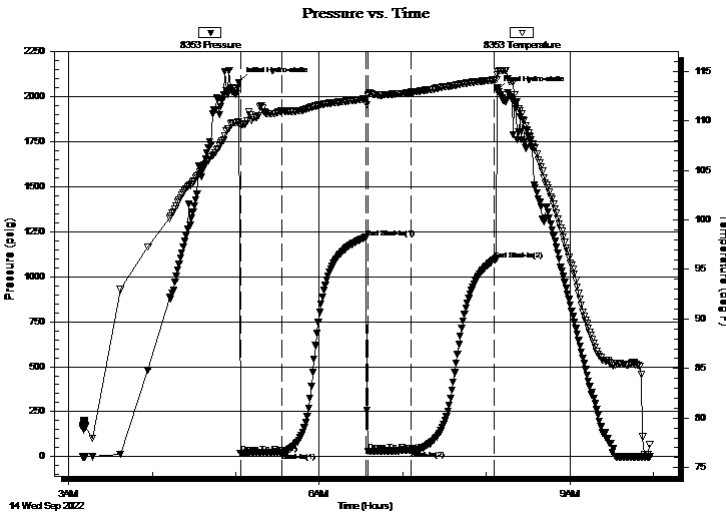
End Time: 09:57:15

Time On Btm: 2022.09.14 @ 05:02:30

Time Off Btm: 2022.09.14 @ 08:07:45

TEST COMMENT: 30:IF- Weak surface blow , built to 1/4" in 10 min, final is 3/4"
60:IS- No blow back
30:FF- Weak surface blow , built to 1/2" in 10 min, final is 1"
60:FS- No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2082.89	109.96	Initial Hydro-static
1	19.30	109.61	Open To Flow (1)
31	23.32	111.05	Shut-In(1)
91	1218.75	112.23	End Shut-In(1)
93	29.73	112.57	Open To Flow (2)
124	34.58	112.88	Shut-In(2)
184	1094.33	114.13	End Shut-In(2)
186	2034.69	114.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	SWOCM 65%M 30%O 5%W	0.15

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Murfin Drilling Company Inc

250 N Water Ste 300
Wichita, KS 67202

ATTN: Robert Hendrix

34-6-29W Sheridan, KS

Porsch B #1-34

Job Ticket: 68964

DST#: 3

Test Start: 2022.09.14 @ 03:10:00

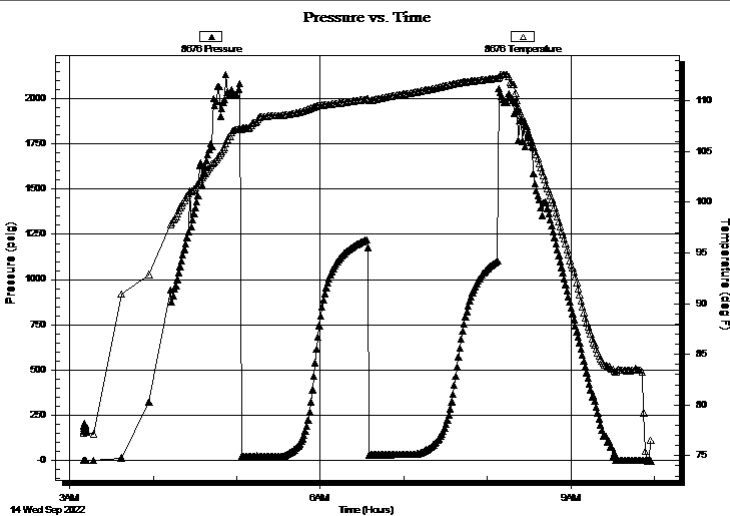
GENERAL INFORMATION:

Formation: **LKC J**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 05:03:15
 Tester: Nathan Aneas
 Time Test Ended: 09:57:15
 Unit No: 71
 Interval: **4047.00 ft (KB) To 4083.00 ft (KB) (TVD)**
 Reference Elevations: 2790.00 ft (KB)
 Total Depth: 4083.00 ft (KB) (TVD)
 2785.00 ft (CF)
 Hole Diameter: 7.87 inches
 Hole Condition: Fair
 KB to GR/CF: 5.00 ft

Serial #: 8676 Inside

Press@RunDepth: psig @ 4048.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.09.14 End Date: 2022.09.14 Last Calib.: 2022.09.14
 Start Time: 03:10:01 End Time: 09:57:15 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30:IF- Weak surface blow , built to 1/4" in 10 min, final is 3/4"
 60:IS- No blow back
 30:FF- Weak surface blow , built to 1/2" in 10 min, final is 1"
 60:FS- No blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
30.00	SWOCM 65%M 30%O 5%W	0.15

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company Inc

34-6-29W Sheridan, KS

250 N Water Ste 300
Wichita, KS 67202

Porsch B #1-34

Job Ticket: 68964

DST#: 3

ATTN: Robert Hendrix

Test Start: 2022.09.14 @ 03:10:00

Tool Information

Drill Pipe:	Length: 3802.00 ft	Diameter: 3.80 inches	Volume: 53.33 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4047.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	68.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			4020.00	
Hydraulic tool	5.00			4025.00	
Jars	5.00			4030.00	
EM Tool	4.00			4034.00	
Safety Joint	3.00			4037.00	
Packer	5.00			4042.00	32.00 Bottom Of Top Packer
Packer	5.00			4047.00	
Stubb	1.00			4048.00	
Recorder	0.00	8353	Outside	4048.00	
Recorder	0.00	8676	Inside	4048.00	
Perforations	32.00			4080.00	
Bullnose	3.00			4083.00	36.00 Bottom Packers & Anchor

Total Tool Length: 68.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company Inc

34-6-29W Sheridan, KS

250 N Water Ste 300
Wichita, KS 67202

Porsch B #1-34

Job Ticket: 68964

DST#: 3

ATTN: Robert Hendrix

Test Start: 2022.09.14 @ 03:10:00

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:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	SWOCM 65%M 30%O 5%W	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

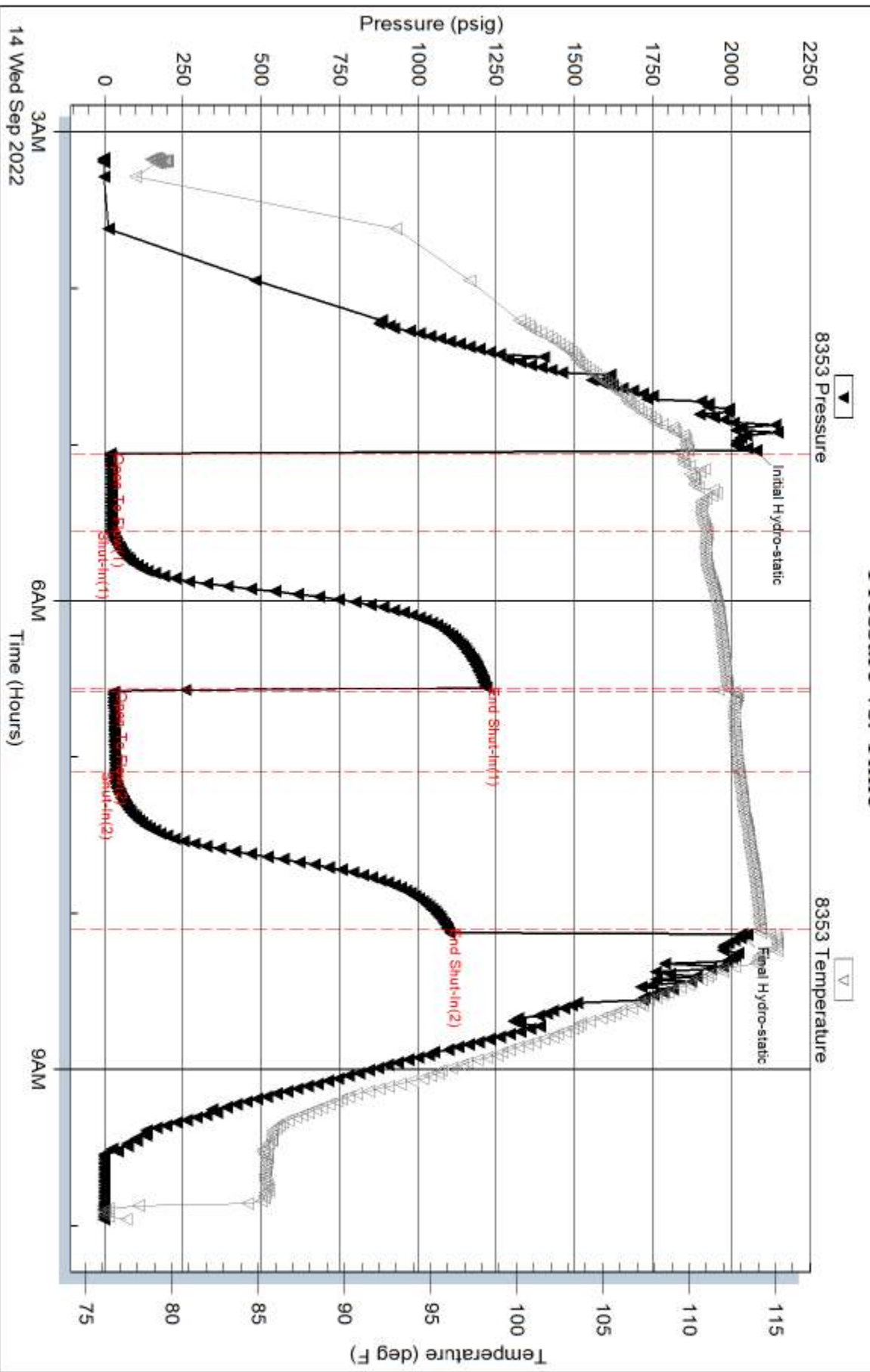
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



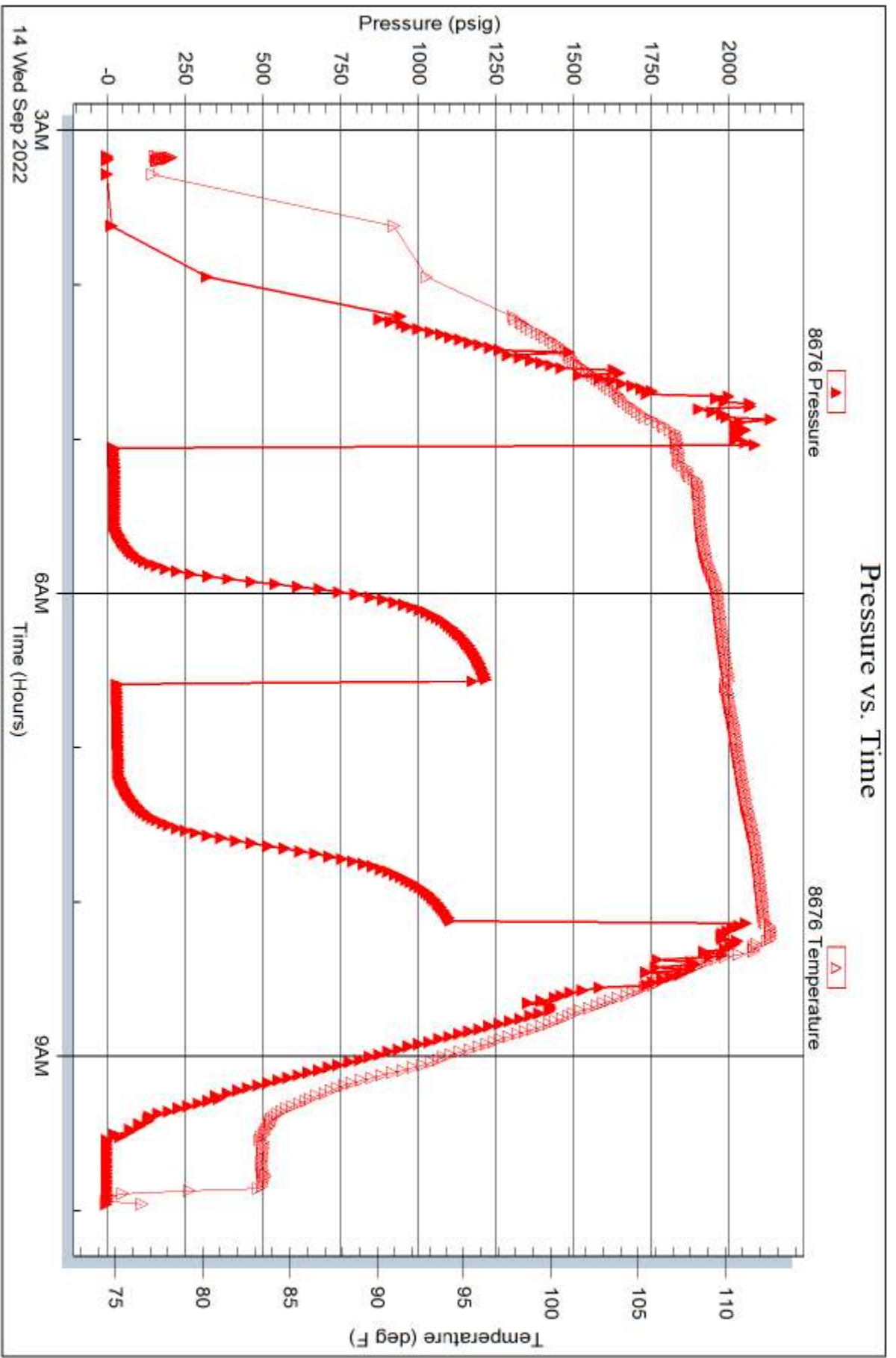
Serial #: 8676

Inside

Murfin Drilling Company Inc

Porsch B #1-34

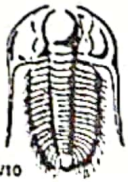
DST Test Number: 3



Triobite Testing, Inc

Ref. No: 68964

Printed: 2022.09.16 @ 11:16:22



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 68962

Well Name & No. Porsch B#1-34 Test No. 1 Date 09/12/22
 Company Murfin Drilling Company Inc Elevation 2790 KB 2785 GL
 Address 250 N Water Ste 300 Wichita, KS 67202
 Co. Rep / Geo. Robert Hendrix Rig Murfin #17
 Location: Sec. 34 Twp 6 Rge. 29W Co. Sheridan State KS

Interval Tested 3873 - 3912 Zone Tested Toronto
 Anchor Length 39' Drill Pipe Run 3613 Mud Wt. 9.0
 Top Packer Depth 3868 Drill Collars Run 240 Vls 60
 Bottom Packer Depth 3873 Wt. Pipe Run _____ WL 6.8
 Total Depth 3912 Chlorides 800 ppm System LCM 4#

Blow Description IF-Weak surface blow, built to 1/4 inch in 10 min. Final is 1/4 inch

ISF- No blow back

FF- No blow

FSF- No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>Mud</u>			<u>100</u>	
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Rec Total 2 BHT 111 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

- (A) Initial Hydrostatic 1953
- (B) First Initial Flow 18
- (C) First Final Flow 19
- (D) Initial Shut-In 89
- (E) Second Initial Flow 18
- (F) Second Final Flow 19
- (G) Final Shut-In 50
- (H) Final Hydrostatic 1828

- Test 1800
- Jars 300
- Safety Joint _____
- Circ Sub _____
- Hourly Standby _____
- Mileage 50 RT 75
- Sampler _____
- Straddle _____
- Shale Packer _____
- Extra Packer _____
- Extra Recorder _____
- Day Standby _____
- Accessibility _____
- Sub Total 2175

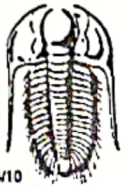
- T-On Location 00:50
- T-Started 03:28
- T-Open 05:32
- T-Pulled 08:33
- T-Out 10:06

Initial Open 30
 Initial Shut-In 60
 Final Flow 30
 Final Shut-In 60

Comments _____
 EM Tool _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 2175

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 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. **68963**

Well Name & No. Porsch B #1-34 Test No. 2 Date 09/13/22
 Company Murfin Drilling Company Inc Elevation 2790 KB 2785 GL
 Address 250 N Water Ste 300 Wichita, KS 67202
 Co. Rep / Geo. Robert Hendrix Rig Murfin #7
 Location: Sec. 34 Twp 6 Rge. 29W Co. Sheridan State KS

Interval Tested 3975-4008 Zone Tested LKC F&G
 Anchor Length 33' Drill Pipe Run 3707 Mud Wt. 9.0
 Top Packer Depth 3970 Drill Collars Run 240 Vls 76
 Bottom Packer Depth 3975 Wt. Pipe Run _____ WL 7.2
 Total Depth 4008 Chlorides 1500 ppm System LCM 5#

Blow Description IF-Fair surface blow, built to 2 inches in 10min, Final is 3 1/4 inches

ISI - No blow back

FF-Weak surface blow in 10min, Final is 2 1/2 inches

FSI - No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>210</u>	<u>Mud</u>			<u>100</u>	
____	____	____	____	____	____
____	____	____	____	____	____
____	____	____	____	____	____
____	____	____	____	____	____

Rec Total _____ BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

- (A) Initial Hydrostatic 2025
- (B) First Initial Flow 19
- (C) First Final Flow 64
- (D) Initial Shut-In 1280
- (E) Second Initial Flow 68
- (F) Second Final Flow 106
- (G) Final Shut-In 1275
- (H) Final Hydrostatic 2011

- Test 1950
- Jars 300
- Safety Joint _____
- Circ Sub _____
- Hourly Standby _____
- Mileage 50RT 75
- Sampler _____
- Straddle _____
- Shale Packer _____
- Extra Packer _____
- Extra Recorder _____
- Day Standby _____
- Accessibility _____
- Sub Total 2175

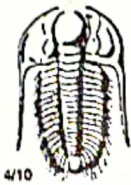
- T-On Location 04:20
- T-Started 06:15
- T-Open 08:17
- T-Pulled 11:20
- T-Out 13:00

- Comments _____
- EM Tool _____
- Ruined Shale Packer _____
- Ruined Packer _____
- Extra Copies _____
- Sub Total 0
- Total 2175
- 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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 68964

Well Name & No. Porsch B #1-34 Test No. 3 Date 09/14/22
 Company Murfin Drilling Company Inc Elevation 2790 KB 2785 GL
 Address 250 N Water Ste 300 Wichita, KS 67202
 Co. Rep / Geo. Robert Hendrix Rig Murfin #7
 Location: Sec. 34 Twp 6 Rge. 29 W Co. Sheridan State KS

Interval Tested 4047-4083 Zone Tested LKC J
 Anchor Length 36' Drill Pipe Run 3802 Mud Wt. 9.1
 Top Packer Depth 4042 Drill Collars Run 240 Vis 60
 Bottom Packer Depth 4047 Wt. Pipe Run _____ WL 7.2
 Total Depth 4083 Chlorides 1500 ppm System LCM 5#

Blow Description IF- Weak surface blow, built to 1/4 inch in 10min, Final is 3/4 inch
ISI- No blow back
FF- Weak surface blow, built to 1/2 inch in 10min, Final is 1 inch
FSI- No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>SWOCM</u>		<u>30%</u>	<u>5%</u>	<u>65%</u>
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 30 BHT 114 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2083 Test 1950 T-On Location 03:00
 (B) First Initial Flow 19 Jars 300 T-Started 03:10
 (C) First Final Flow 23 Safety Joint _____ T-Open 05:03
 (D) Initial Shut-In 1219 Circ Sub _____ T-Pulled 08:05
 (E) Second Initial Flow 30 Hourly Standby _____ T-Out 09:50
 (F) Second Final Flow 35 Mileage 50RT 75
 (G) Final Shut-In 1094 Sampler _____
 (H) Final Hydrostatic 2035 Straddle _____

Initial Open 30 Shale Packer _____ EM Tool _____
 Initial Shut-In 60 Extra Packer _____ Ruined Shale Packer _____
 Final Flow 30 Extra Recorder _____ Ruined Packer _____
 Final Shut-In 60 Day Standby _____ Extra Copies _____
 Sub Total 2175 Accessibility _____
 Sub Total 2175 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.