

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
--	---

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
---	---	------------------------------------

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:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	Murfin Drilling Co., Inc.
Well Name	RIPPE 1-36
Doc ID	1684320

All Electric Logs Run

DIL
DUCP
MEL
BHCS



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company Inc.**

250 N. Water STE 300
Wichita, KS 67202

ATTN: Robert Hendrix

Rippe #1-36

36-1S-27W Decatur,KS

Start Date: 2022.12.17 @ 02:42:00

End Date: 2022.12.17 @ 11:13:45

Job Ticket #: 69893 DST #: 1

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

Printed: 2022.12.19 @ 16:29:01



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Company Inc.

36-1S-27W Decatur, KS

250 N. Water STE 300
Wichita, KS 67202

Rippe #1-36

Job Ticket: 69893

DST#: 1

ATTN: Robert Hendrix

Test Start: 2022.12.17 @ 02:42:00

GENERAL INFORMATION:

Formation: **LKC A-D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:05:15

Time Test Ended: 11:13:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Day

Unit No: 70

Interval: 3333.00 ft (KB) To 3428.00 ft (KB) (TVD)

Reference Elevations: 2568.00 ft (KB)

Total Depth: 3428.00 ft (KB) (TVD)

2563.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6625

Inside

Press@RunDepth: 180.11 psig @ 3334.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.12.17

End Date:

2022.12.17

Last Calib.:

2022.12.17

Start Time:

02:42:05

End Time:

11:13:44

Time On Btm:

2022.12.17 @ 05:04:00

Time Off Btm:

2022.12.17 @ 09:06:00

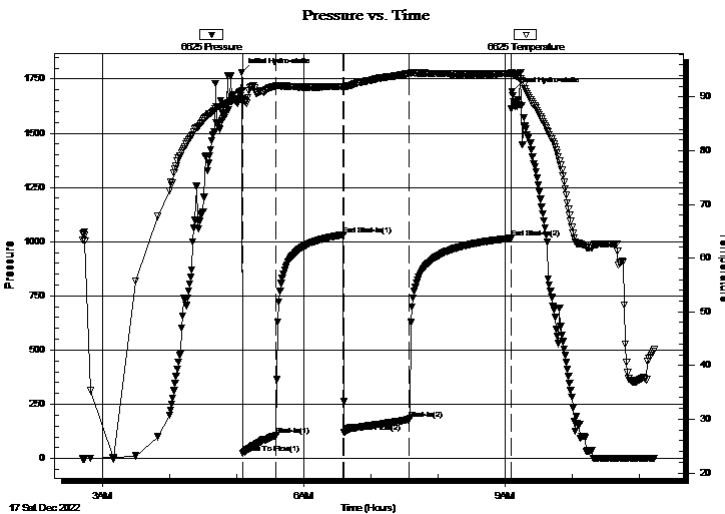
TEST COMMENT: IF-30- Built to 11"

SI1-60- No return

FF-60- BOB in 45 min, built to 13 3/4"

SI2-90- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1779.31	89.60	Initial Hydro-static
2	24.09	88.97	Open To Flow (1)
31	107.41	92.01	Shut-In(1)
91	1031.75	92.00	End Shut-In(1)
92	121.22	91.88	Open To Flow (2)
151	180.11	94.39	Shut-In(2)
241	1015.68	94.38	End Shut-In(2)
242	1693.17	94.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	Mud w / oil spots 100% mud	0.25
303.00	MW 45% mud 55% water	2.52

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

36-1S-27W Decatur, KS

Rippe #1-36

Job Ticket: 69893

DST#: 1

Test Start: 2022.12.17 @ 02:42:00

GENERAL INFORMATION:

Formation: **LKC A-D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:05:15

Time Test Ended: 11:13:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Day

Unit No: 70

Interval: 3333.00 ft (KB) To 3428.00 ft (KB) (TVD)

Total Depth: 3428.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2568.00 ft (KB)

2563.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8167 Outside

Press@RunDepth: psig @ 3334.00 ft (KB)

Start Date: 2022.12.17

End Date: 2022.12.17

Start Time: 02:42:05

End Time: 11:13:29

Capacity: 8000.00 psig

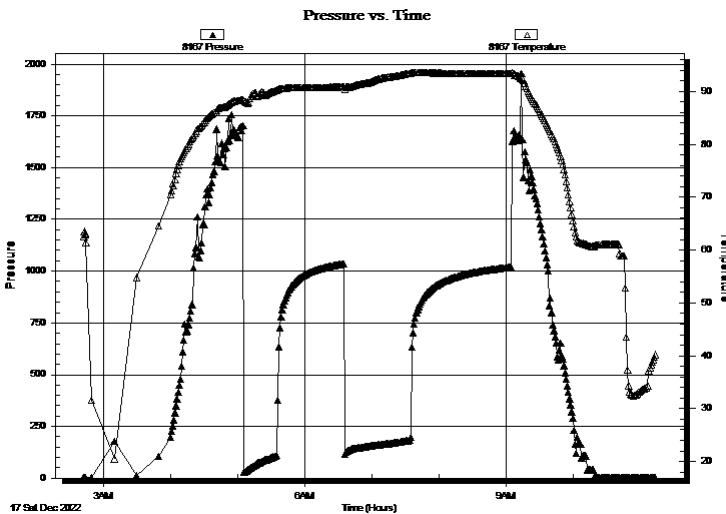
Last Calib.: 2022.12.17

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-30- Built to 11"
SI1-60- No return
FF-60- BOB in 45 min, built to 13 3/4"
SI2-90- No return

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
50.00	Mud w / oil spots 100% mud	0.25
303.00	MW 45% mud 55% water	2.52

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company Inc.

36-1S-27W Decatur,KS

250 N. Water STE 300
Wichita, KS 67202

Rippe #1-36

Job Ticket: 69893

DST#: 1

ATTN: Robert Hendrix

Test Start: 2022.12.17 @ 02:42:00

Tool Information

Drill Pipe:	Length: 3072.00 ft	Diameter: 3.80 inches	Volume: 43.09 bbl	Tool Weight: 2900.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 66000.00 lb
			<u>Total Volume: 44.27 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 57000.00 lb
Depth to Top Packer:	3333.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	95.00 ft			
Tool Length:	126.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

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

Change Over Sub	1.00			3303.00	
shut In Tool	5.00			3308.00	
hydraulic tool	5.00			3313.00	
Jars	5.00			3318.00	
EM Tool	3.00			3321.00	
Safety Joint	3.00			3324.00	
Packer	5.00			3329.00	31.00 Bottom Of Top Packer
Packer	4.00			3333.00	
Stubb	1.00			3334.00	
Recorder	0.00	6625	Inside	3334.00	
Recorder	0.00	8167	Outside	3334.00	
perforations	24.00			3358.00	
change Over Sub	1.00			3359.00	
drill Pipe	64.00			3423.00	
change Over Sub	1.00			3424.00	
Bullnose	4.00			3428.00	95.00 Bottom Packers & Anchor
Total Tool Length:	126.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company Inc.

36-1S-27W Decatur,KS

250 N. Water STE 300
Wichita, KS 67202

Rippe #1-36

Job Ticket: 69893

DST#: 1

ATTN: Robert Hendrix

Test Start: 2022.12.17 @ 02:42:00

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:

48000 ppm

Viscosity: 74.00 sec/qt

Cushion Volume:

bbf

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
50.00	Mud w / oil spots 100% mud	0.246
303.00	MW 45% mud 55% w ater	2.519

Total Length: 353.00 ft

Total Volume: 2.765 bbl

Num Fluid Samples: 0

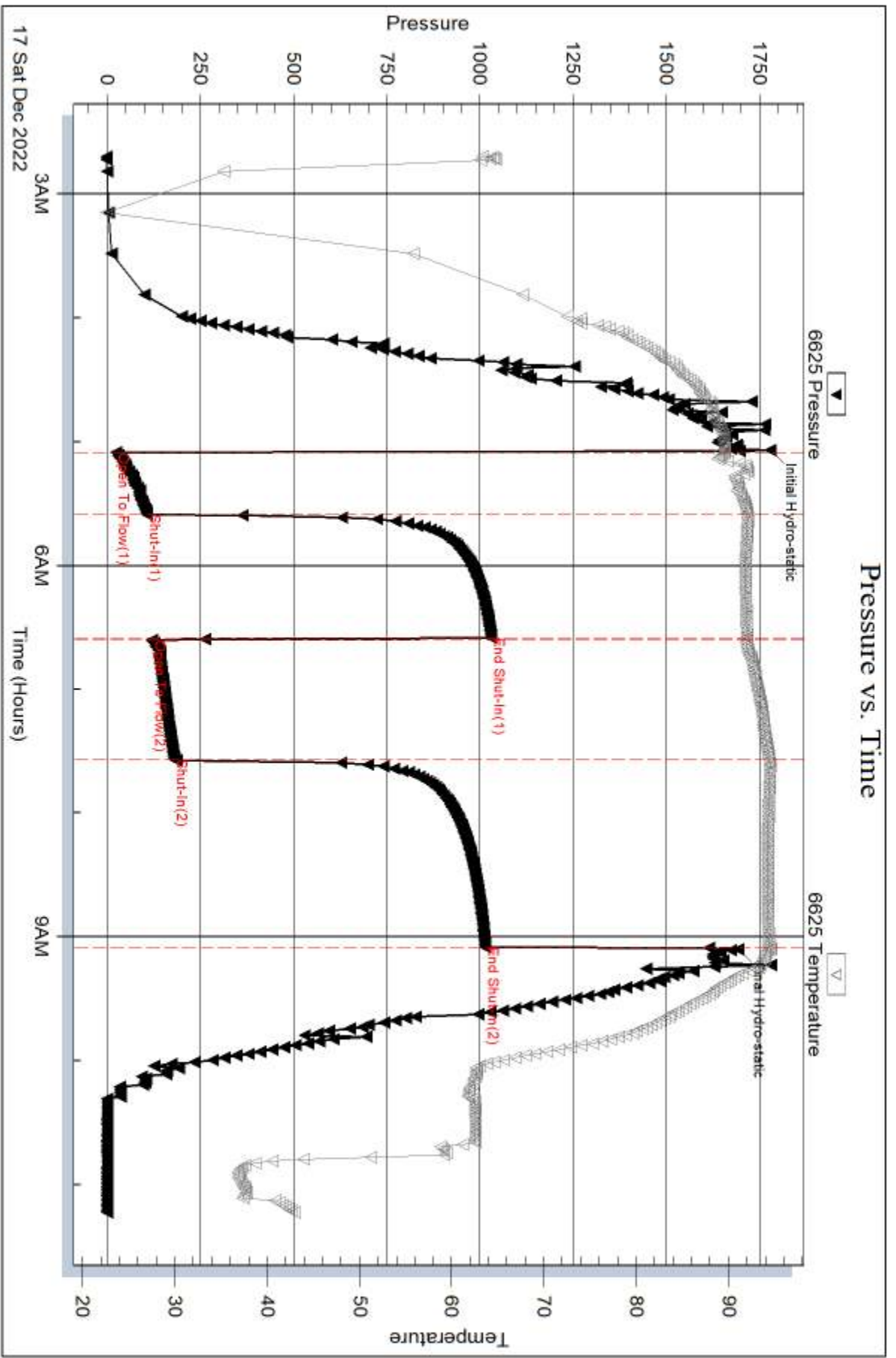
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 5# LCM

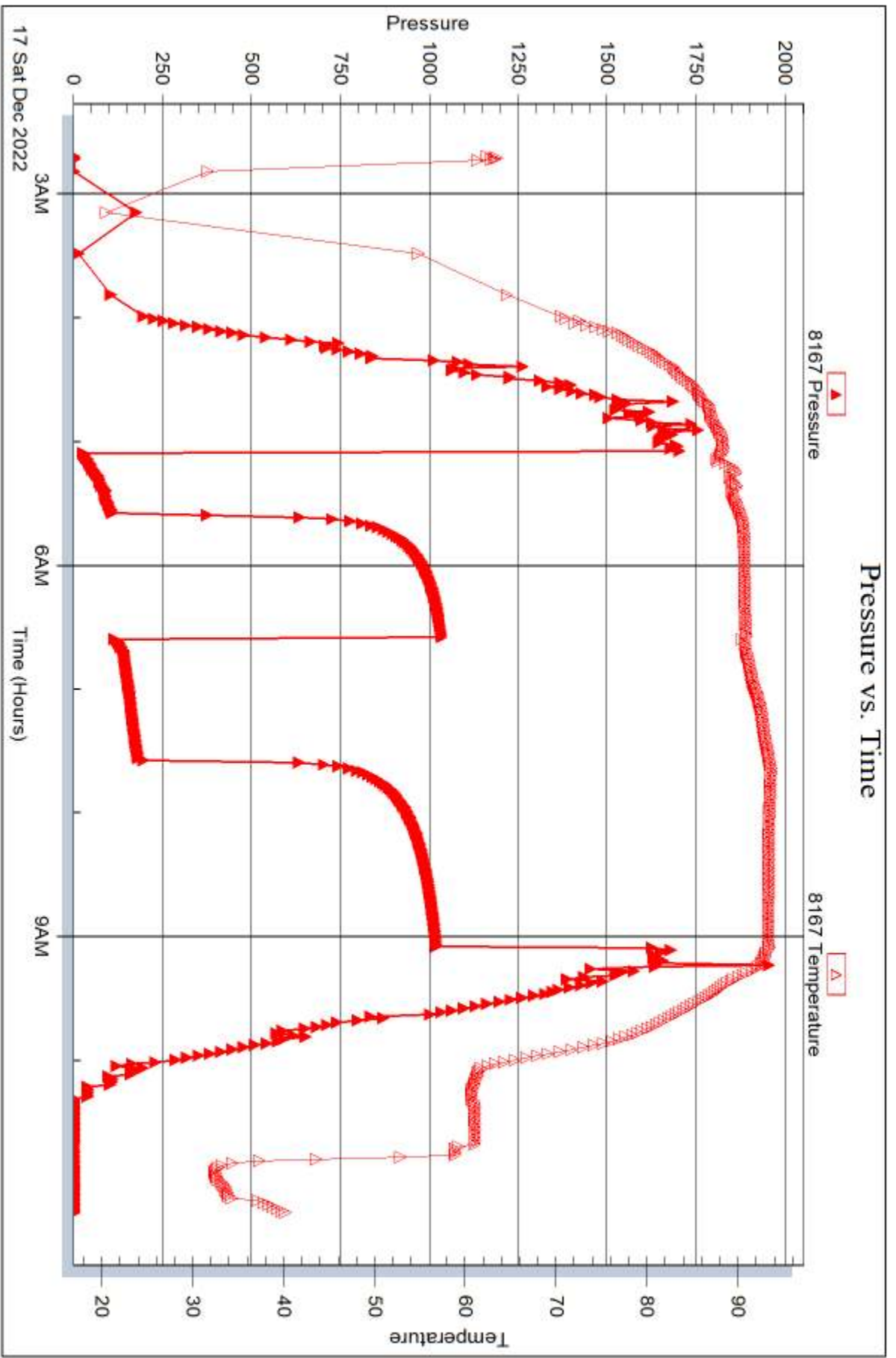


Serial #: 8167

Outside Murfin Drilling Company Inc.

Rippe #1-36

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company Inc.**

250 N. Water STE 300
Wichita, KS 67202

ATTN: Robert Hendrix

Rippe #1-36

36-1S-27W Decatur,KS

Start Date: 2022.12.18 @ 05:39:00

End Date: 2022.12.18 @ 12:36:45

Job Ticket #: 69894 DST #: 2

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

Printed: 2022.12.19 @ 16:28:21

Murfin Drilling Company Inc.
36-1S-27W Decatur,KS
Rippe #1-36
DST # 2
LKC J-K
2022.12.18



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Murfin Drilling Company Inc.

36-1S-27W Decatur, KS

250 N. Water STE 300
Wichita, KS 67202

Rippe #1-36

Job Ticket: 69894

DST#: 2

ATTN: Robert Hendrix

Test Start: 2022.12.18 @ 05:39:00

GENERAL INFORMATION:

Formation: **LKC J-K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:49:30

Time Test Ended: 12:36:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

Interval: 3486.00 ft (KB) To 3554.00 ft (KB) (TVD)

Reference Elevations: 2568.00 ft (KB)

Total Depth: 3554.00 ft (KB) (TVD)

2563.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 5.00 ft

Serial #: 6625 Inside

Press@RunDepth: 28.70 psig @ 3487.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.12.18 End Date: 2022.12.18

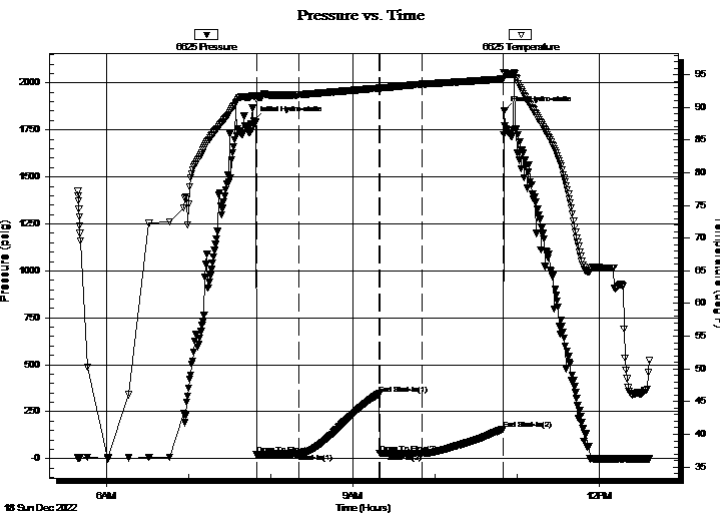
Last Calib.: 2022.12.18

Start Time: 05:39:05 End Time: 12:36:44

Time On Btm: 2022.12.18 @ 07:47:30

Time Off Btm: 2022.12.18 @ 10:50:45

TEST COMMENT: IF-30- Built to 1 1/4"
SI1-60- No return
FF-30- No blow
SI2-60- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1800.39	91.70	Initial Hydro-static
2	21.02	91.26	Open To Flow (1)
34	26.12	91.93	Shut-In(1)
92	345.41	92.93	End Shut-In(1)
93	28.76	92.94	Open To Flow (2)
124	28.70	93.53	Shut-In(2)
182	157.56	94.33	End Shut-In(2)
184	1853.96	95.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%	0.02

* 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.

36-1S-27W Decatur, KS

250 N. Water STE 300
Wichita, KS 67202

Rippe #1-36

Job Ticket: 69894

DST#: 2

ATTN: Robert Hendrix

Test Start: 2022.12.18 @ 05:39:00

GENERAL INFORMATION:

Formation: **LKC J-K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:49:30

Time Test Ended: 12:36:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

Interval: 3486.00 ft (KB) To 3554.00 ft (KB) (TVD)

Total Depth: 3554.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 2568.00 ft (KB)

2563.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8167 Outside

Press@RunDepth: psig @ 3487.00 ft (KB)

Start Date: 2022.12.18

End Date: 2022.12.18

Capacity: 8000.00 psig

Last Calib.: 2022.12.18

Start Time: 05:39:05

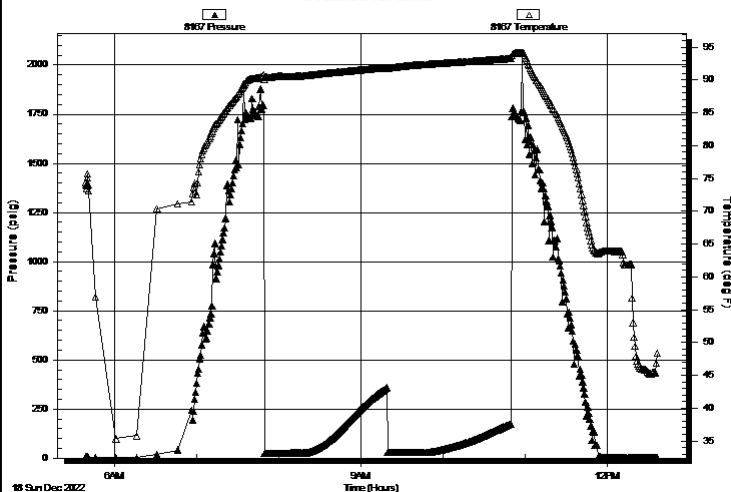
End Time: 12:36:59

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-30- Built to 1 1/4"
SI1-60- No return
FF-30- No blow
SI2-60- No return

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%	0.02

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.

36-1S-27W Decatur,KS

250 N. Water STE 300
Wichita, KS 67202

Rippe #1-36

Job Ticket: 69894

DST#: 2

ATTN: Robert Hendrix

Test Start: 2022.12.18 @ 05:39:00

Tool Information

Drill Pipe:	Length: 3230.00 ft	Diameter: 3.80 inches	Volume: 45.31 bbl	Tool Weight:	2900.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose:	75000.00 lb
			<u>Total Volume: 46.49 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	3486.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	68.00 ft				
Tool Length:	99.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3456.00	
shut In Tool	5.00			3461.00	
hydraulic tool	5.00			3466.00	
Jars	5.00			3471.00	
EM Tool	3.00			3474.00	
Safety Joint	3.00			3477.00	
Packer	5.00			3482.00	31.00 Bottom Of Top Packer
Packer	4.00			3486.00	
Stubb	1.00			3487.00	
Recorder	0.00	6625	Inside	3487.00	
Recorder	0.00	8167	Outside	3487.00	
perforations	29.00			3516.00	
change Over Sub	1.00			3517.00	
drill Pipe	32.00			3549.00	
change Over Sub	1.00			3550.00	
Bullnose	4.00			3554.00	68.00 Bottom Packers & Anchor
Total Tool Length:	99.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company Inc.

36-1S-27W Decatur,KS

250 N. Water STE 300
Wichita, KS 67202

Rippe #1-36

Job Ticket: 69894

DST#: 2

ATTN: Robert Hendrix

Test Start: 2022.12.18 @ 05:39:00

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: 69.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

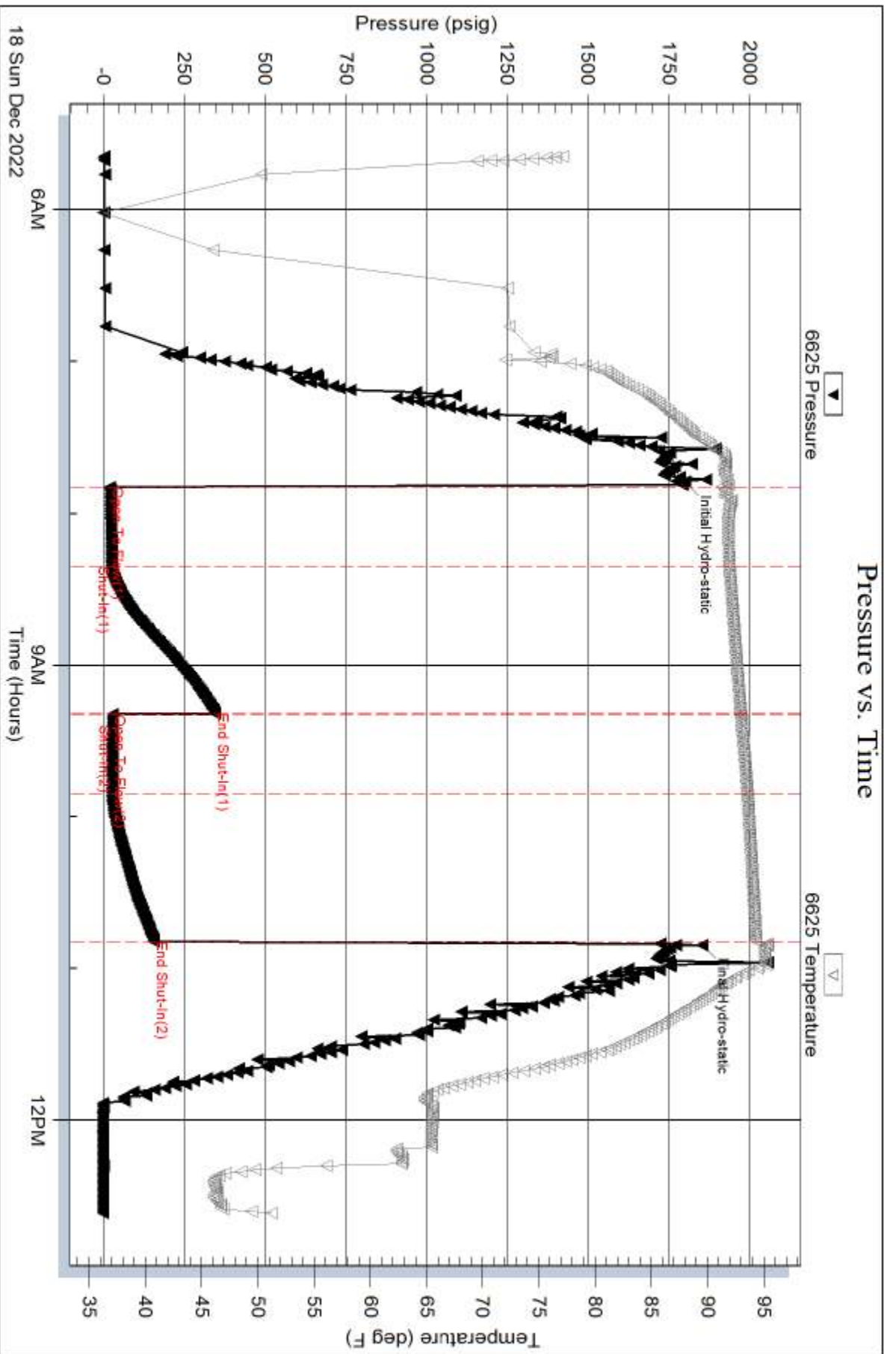
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2# LCM

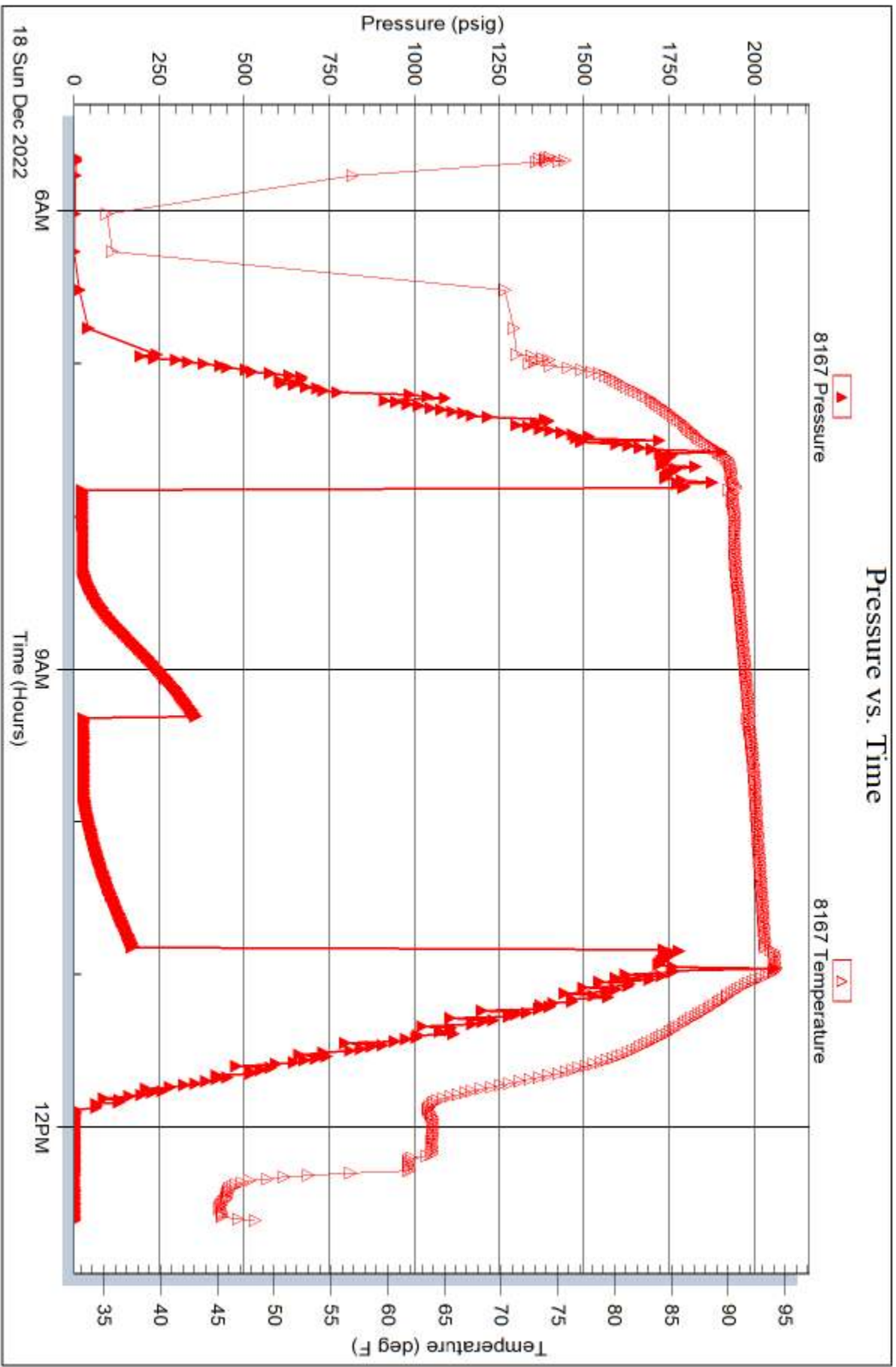


Serial #: 8167

Outside Murfin Drilling Company Inc.

Rippe #1-36

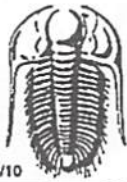
DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 69894

Printed: 2022.12.19 @ 16:28:22



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **69893**

Well Name & No. Rippe #1-36 Test No. 1 Date 12/17/22
 Company Murfin Drilling Company Inc. Elevation 2568 KB 2563 GL
 Address 250 N. Water STE 300 Wichita, KS 67202
 Co. Rep / Geo. Robert Hendrix Rig Murfin Rig #7
 Location: Sec. 36 Twp 1S Rge. 27W Co. Decatur State KS

Interval Tested 3333-3428 Zone Tested LKC A-D
 Anchor Length 95' Drill Pipe Run 3072 Mud Wt. 9.0
 Top Packer Depth 3328 Drill Collars Run 240 Vis 74
 Bottom Packer Depth 3333 Wt. Pipe Run Ø WL 6.0
 Total Depth 3428 Chlorides 1400 ppm System LCM 5#

Blow Description IF- Built to 11"
S11- No return
FF- Bob in 45 min built to 13 3/4"

S12- No return

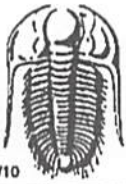
Rec	Feet of	%gas	%oil	%water	%mud
<u>50</u>	<u>Mud w/ oil spots</u>			<u>100</u>	<u>0</u>
<u>303</u>	<u>MW</u>		<u>55</u>	<u>45</u>	<u>0</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 353 BHT 94 Gravity _____ API RW 346 @ 32 °F Chlorides 48000 ppm

(A) Initial Hydrostatic <u>1779</u>	<input checked="" type="checkbox"/> Test <u>1800</u>	T-On Location <u>01:00</u>
(B) First Initial Flow <u>24</u>	<input checked="" type="checkbox"/> Jars <u>300</u>	T-Started <u>02:42</u>
(C) First Final Flow <u>107</u>	<input checked="" type="checkbox"/> Safety Joint _____	T-Open <u>05:06</u>
(D) Initial Shut-In <u>1032</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/A</u>	T-Pulled <u>09:04</u>
(E) Second Initial Flow <u>121</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>11:14</u>
(F) Second Final Flow <u>180</u>	<input checked="" type="checkbox"/> Mileage <u>38</u> <u>66.50</u>	Comments _____
(G) Final Shut-In <u>1016</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>11693</u>	<input type="checkbox"/> Straddle _____	<input checked="" type="checkbox"/> EM Tool _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies _____
Final Shut-In <u>90</u>	<input type="checkbox"/> Day Standby _____	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility _____	Total <u>2166.50</u>
	Sub Total <u>2166.50</u>	MP/DST Disc't _____

Approved By _____ Our Representative DWJ Dg

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. **69894**

Well Name & No. Rippe #1-36 Test No. 2 Date 12/18/22
 Company Murfin Drilling Company Inc Elevation 2568 KB 2563 GL
 Address 250 N. Water STE 300 Wichita, KS 67202
 Co. Rep / Geo. Robert Hendrix Rig Murfin Rig #7
 Location: Sec. 36 Twp 15 Rge. 27W Co. Decatur State KS

Interval Tested 3486 - 3554 Zone Tested LK J-K
 Anchor Length 68 Drill Pipe Run 3230 Mud Wt. 9.1
 Top Packer Depth 3481 Drill Collars Run 240 Vis 69
 Bottom Packer Depth 3486 Wt. Pipe Run 0 WL 6.0
 Total Depth 3554 Chlorides 1400 ppm System LCM 2#

Blow Description IF- Built to 14"
 SIZ- No return
 FF- No blow
 SIZ- No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud</u>			<u>100</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 5 BHT 95 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1800 Test 1800 T-On Location 04:10
 (B) First Initial Flow 21 Jars 300 T-Started 05:39
 (C) First Final Flow 26 Safety Joint _____ T-Open 07:50
 (D) Initial Shut-In 345 Circ Sub N/A T-Pulled 10:50
 (E) Second Initial Flow 29 Hourly Standby _____ T-Out 12:37
 (F) Second Final Flow 29 Mileage 38 66.50 Comments _____
 (G) Final Shut-In 158 Sampler _____
 (H) Final Hydrostatic 1854 Straddle _____ EM Tool _____
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Day Standby _____ Sub Total 0
 Accessibility _____ Total 2166.50
 Sub Total 2166.50 MP/DST Disc't _____

Approved By _____ Our Representative Duff Dg

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.

Robert D. Hendrix

Petroleum Geologist

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY **Murfin Drilling Company Inc.**

ELEVATIONS

LEASE **Rippe #1-36**

KB **2568'**

FIELD **N/A**

DF _____

LOCATION **330'fsl & 2310'fel**

GL **2563'**

SEC **36** TWP **1s** RGE **27w**

Measurements Are All From **Kelly Bushing**

COUNTY **Decatur** STATE **Kansas**

CASING

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

CONDUCTOR _____

SPUD **12/13/2022** COMP **12/19/2022**

SURFACE **8-5/8" at 265'**

RTD **3625'** LTD **3626'**

PRODUCTION _____

MUD UP **2853'** TYPE MUD **Chemical**

SAMPLES SAVED FROM **3050'** TO **3625'**

DRILLING TIME KEPT FROM **3050'** TO **3625'**

SAMPLES EXAMINED FROM **3050'** TO **3625'**

GEOLOGICAL SUPERVISION FROM **2945'**

GEOLOGIST ON WELL **Robert D. Hendrix**

FORMATION TOPS

ELECTRIC LOG

SAMPLE

Anhydrite **2035 (+535)**

Topoka **3157 (-589)**

Lansing **3368 (-800)**

Stark Shale **3516 (-948)**

Mound City **3564 (-996)**

AP# **15-039-21293**

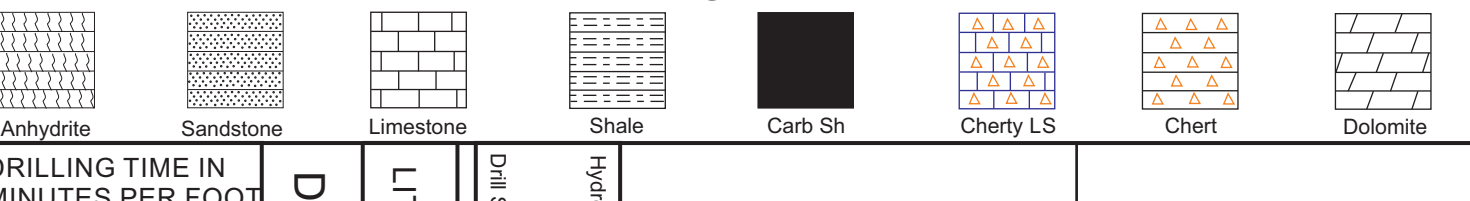


REMARKS:

It was determined to plug this test after poor DST and Electric Log results in the zones of interest that had Hydrocarbon shows.

HSI plugged hole (11:45AM - 2:15PM 12/19/22) as follows using H-plug, w/255sxs. 50sxs @ 2100', 100sxs @ 1300', 50sxs @ 300', 10sxs @ 40', 30sxs RH & 15sxs MH

LEGEND



DEPTH	LITHOLOGY	SAMPLE DESCRIPTION	REMARKS
2000			Anhydrite 2028 (+540)
2050			B. Anhydrite 2059 (+509)
2100			
2150			
2200			
2250			
2300			
2350			
2400			
2450			
2500			
2550			
2600			
2650			
2700			
2750			
2800			
2850			
2900			
2950			
3000			
3050			
3100			
3150			
3200			
3250			
3300			
3350			
3400			
3450			
3500			
3550			
3600			
3625			

DRILLING REPORT - LOG TOPS - RIPPE 1-36

MDCI Rippe #1-36 330' FSL 2310' FEL Sec. 36-T1S-R27W 2568' KB						
Formation	Sample top	Datum	Ref	Log Top	Datum	Ref
Anhydrite	2028	+540	FLAT	2035	+533	-7
B/Anhydrite	2059	+509	-2	2062	+506	-5
Topeka	3157	-589	-9	3157	-589	-9
Lansing	3376	-808	-15	3368	-800	-7
Stark	3522	-954	-16	3516	-948	-10
Mound City	3567	-999	-12	3564	-996	-9
RTD				3625		
LTD	3626					



CEMENT TREATMENT REPORT

Customer: Murfin Drilling	Well: Rippe #1-36	Ticket: WP 3739
City, State: Norcatur KS	County: Decatur KS	Date: 12/13/2022
Field Rep: Arturo	S-T-R: 36-1S-27W	Service: Surface

Downhole Information

Hole Size:	12 1/4 in
Hole Depth:	265 ft
Casing Size:	8 5/8 in
Casing Depth:	261 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	15.2 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 bbs / ft.
Depth:	261 ft
Annular Volume:	19.2 bbls
Excess:	
Total Slurry:	50.2 bbls
Total Sacks:	200 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	BBLs	TOTAL BBLs	REMARKS
11:45 AM			-	-	Arrived on location, casing was on bottom on arrival
11:55 AM			-	-	Safety meeting
12:00 PM			-	-	Circulated mud
12:05 PM			-	-	Rigged up
12:31 PM	3.0	50.0	5.0	5.0	Water ahead
12:36 PM	4.0	200.0	50.2	55.2	Mixed 200 sacks H-325 cement @ 14.8 ppg
12:53 PM	4.0	100.0	15.2	70.4	Begin displacement
12:58 PM		130.0		70.4	Plug down and shut in with 2 bbls/8 sacks cement circulated to pit
1:00 PM				70.4	Washed up and rigged down
1:37 PM				70.4	Left location
				70.4	

CREW	UNIT	SUMMARY		
Cementer: John	73	Average Rate	Average Pressure	Total Fluid
Pump Operator: Jose V	528-520	3.7 bpm	120 psi	70 bbls
Bulk #1: Kale	205			
Bulk #2:				



CEMENT TREATMENT REPORT

Customer: Murfin Drilling	Well: Rippe #1-36	Ticket: WP 3758
City, State: Norcatur KS	County: Decatur KS	Date: 12/19/2022
Field Rep: Juan Coronilla	S-T-R: 36-1S-27W	Service: PTA

Downhole Information		Calculated Slurry - Lead		Calculated Slurry - Tail	
Hole Size:	7 7/8 in	Blend:	H-Plug A	Blend:	
Hole Depth:	3625 ft	Weight:	13.8 ppg	Weight:	ppg
Casing Size:	in	Water / Sx:	6.9 gal / sx	Water / Sx:	gal / sx
Casing Depth:	ft	Yield:	1.42 ft ³ / sx	Yield:	ft ³ / sx
Tubing / Liner:	in	Annular Bbls / Ft.:	0.0406 bbs / ft.	Annular Bbls / Ft.:	bbs / ft.
Depth:	ft	Depth:	2100 ft	Depth:	ft
Tool / Packer:		Annular Volume:	85.3 bbls	Annular Volume:	0 bbls
Tool Depth:	ft	Excess:		Excess:	
Displacement:	bbls	Total Slurry:	64.9 bbls	Total Slurry:	0.0 bbls
		Total Sacks:	255 sx	Total Sacks:	0 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
10:23 AM			-	-	Arrived on location
10:33 AM				-	Safety meeting
10:43 AM				-	Rigged up
11:28 AM	3.0	100.0	5.0	5.0	Water ahead
11:31 AM	4.0	220.0	12.6	17.6	Mixed 50 sacks H-Plug A cement 13.8 ppg @ 2100'
11:38 AM	2.5	50.0	5.0	22.6	Begin displacement
11:43 AM				22.6	Pumped mud with rig pump for 1:30 minutes
				22.6	
12:16 PM	2.7	100.0	5.0	27.6	Water ahead
12:20 PM	4.7	170.0	25.2	52.8	Mixed 100 sacks H-Plug A cement 13.8 ppg @ 1300'
12:31 PM	4.5	50.0	8.5	61.3	Begin displacement
1:07 PM	3.5	100.0	5.0		Water ahead
1:10 PM	4.0	100.0	12.6		Mixed 50 sacks H-Plug A cement 13.8 ppg @ 300'
1:13 PM	3.5	50.0	0.5		Begin displacement
2:00 PM	2.5	50.0	2.5		Mixed 10 sacks H-Plug A cement with wooden plug 13.8 ppg for top 40'
2:05 PM	2.5	50.0	3.7		Mixed 15 sacks H-Plug A cement for mouse hole plug
2:09 PM	2.5	50.0	7.5		Mixed 30 sacks H-Plug A cement for rat hole plug
2:14 PM					Plug down
2:16 PM					Washed up and rigged down
2:53 PM					Left location

CREW		UNIT	SUMMARY		
Cementer:	John	73	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Jose V	528-520	3.3 bpm	91 psi	93 bbls
Bulk #1:	Kale	205			
Bulk #2:					