



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co., Inc.**

250 N. Water Ste. #300
Wichita, KS 67202

ATTN:

Domme #1-15

15-24s-20w Edwards,KS

Start Date: 2012.07.12 @ 07:13:30

End Date: 2012.07.12 @ 16:06:30

Job Ticket #: 47965 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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Murfin Drilling Co., Inc.

15-24s-20w Edwards,KS

Domme #1-15

DST # 1

Mississippian

2012.07.12



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co., Inc.

15-24s-20w Edwards,KS

250 N. Water Ste. #300
Wichita, KS 67202

Domme #1-15

Job Ticket: 47965

DST#: 1

ATTN:

Test Start: 2012.07.12 @ 07:13:30

Tool Information

Drill Pipe:	Length: 4364.00 ft	Diameter: 3.80 inches	Volume: 61.22 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 269.00 ft	Diameter: 2.25 inches	Volume: 1.32 bbl	Weight to Pull Loose: 5000.00 lb
			<u>Total Volume: 62.54 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 85000.00 lb
Depth to Top Packer:	4625.00 ft			Final 88000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.00 ft			
Tool Length:	88.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4603.00	
Shut In Tool	5.00			4608.00	
Hydraulic tool	5.00			4613.00	
Safety Joint	3.00			4616.00	
Packer	5.00			4621.00	23.00 Bottom Of Top Packer
Packer	4.00			4625.00	
Stubb	1.00			4626.00	
Perforations	5.00			4631.00	
Change Over Sub	1.00			4632.00	
Drill Pipe	32.00			4664.00	
Change Over Sub	1.00			4665.00	
Recorder	0.00	8354	Inside	4665.00	
Recorder	0.00	8520	Outside	4665.00	
Perforations	22.00			4687.00	
Bullnose	3.00			4690.00	65.00 Bottom Packers & Anchor

Total Tool Length: 88.00



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FLUID SUMMARY

Murfin Drilling Co., Inc.

15-24s-20w Edwards,KS

250 N. Water Ste. #300
Wichita, KS 67202

Domme #1-15

Job Ticket: 47965

DST#: 1

ATTN:

Test Start: 2012.07.12 @ 07:13:30

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:

26000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.17 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
624.00	90%Water/10%Mud	6.303
120.00	50%Water/50%Mud	1.683

Total Length: 744.00 ft

Total Volume: 7.986 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

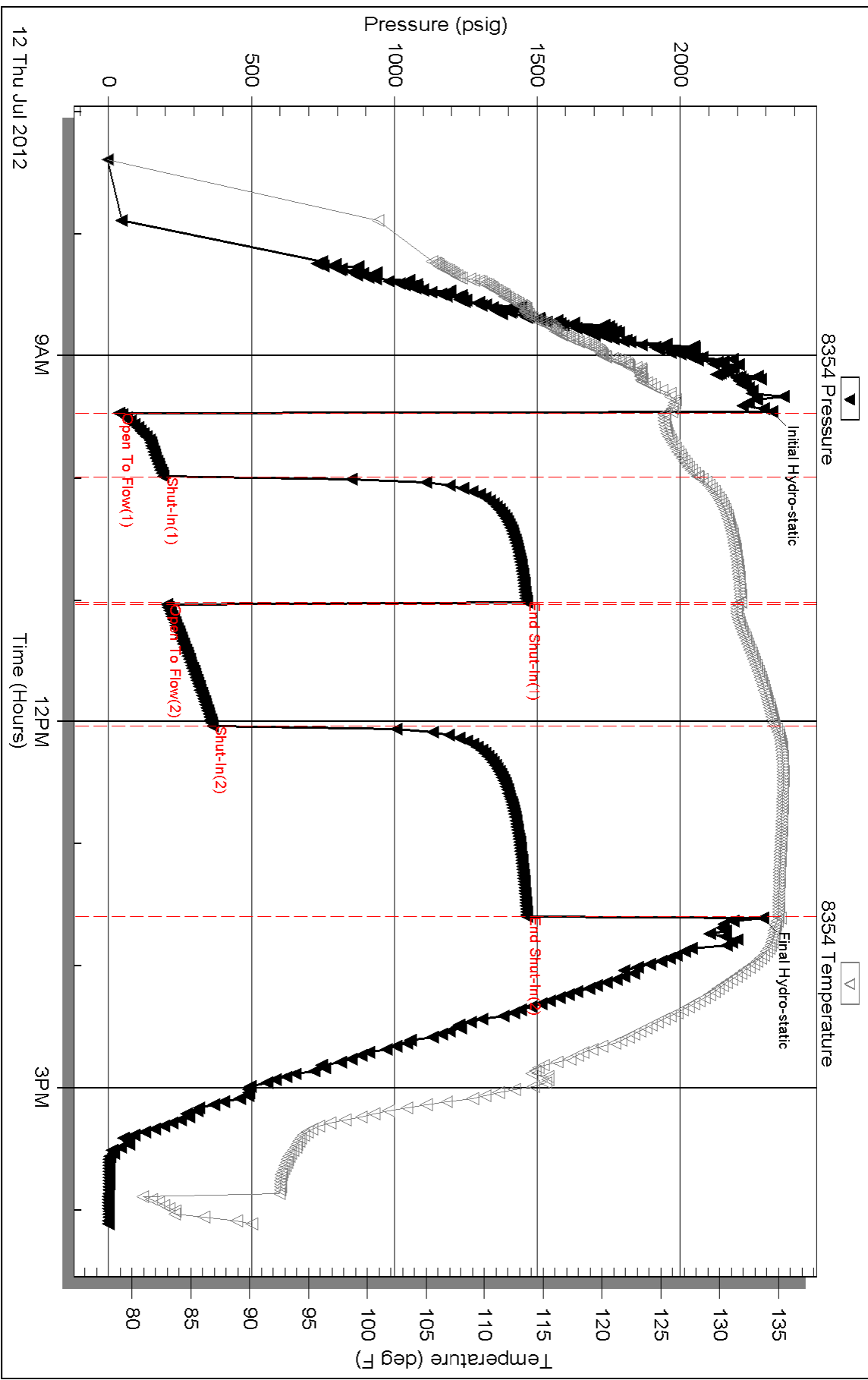
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

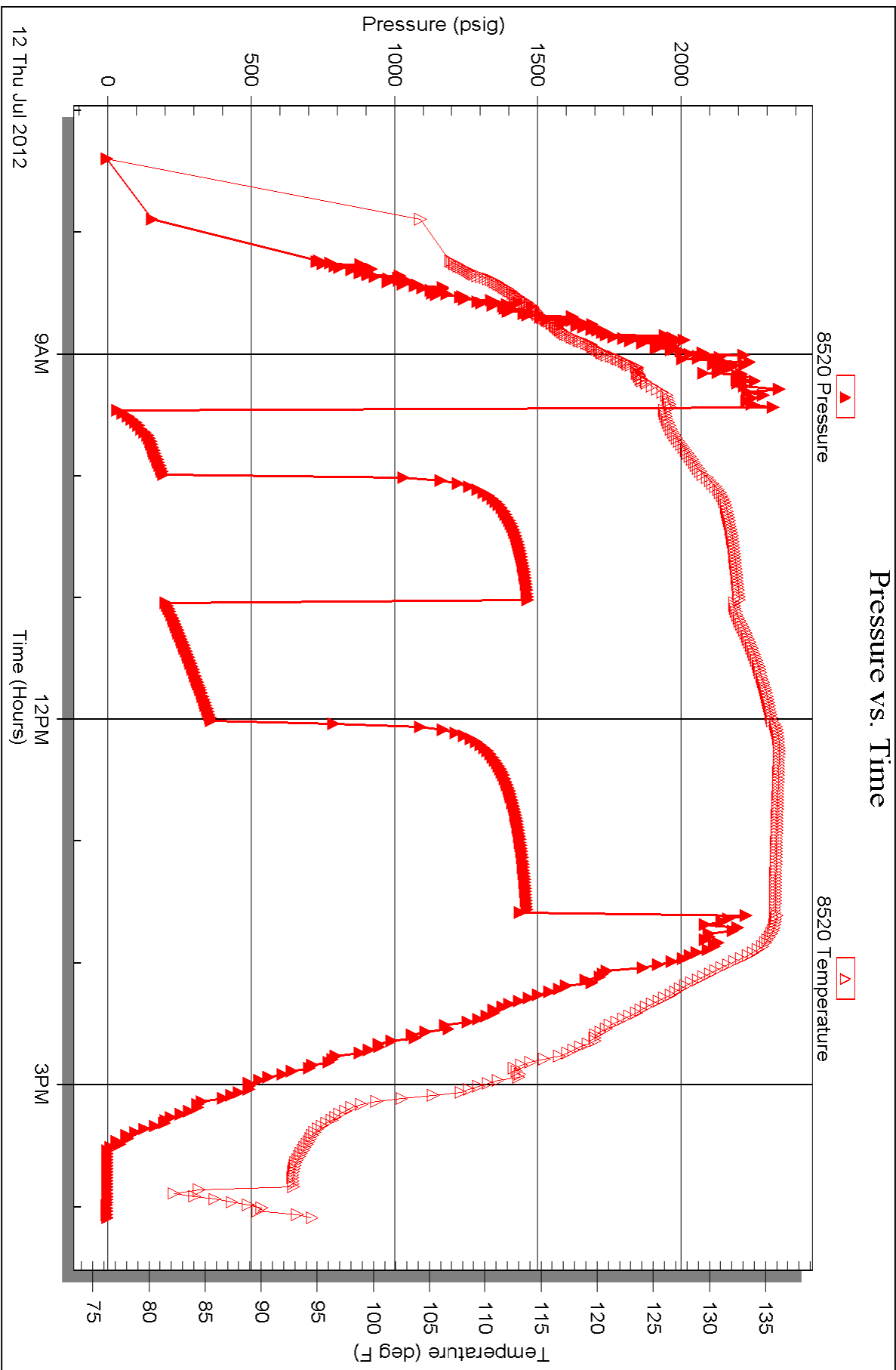


Serial #: 8520

Outside Murfin Drilling Co., Inc.

Domme #1-15

DST Test Number: 1





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47965

Well Name & No. Donne #1-15 Test No. I Date 7-12-72
 Company Murphy Drilling Co., Inc. Elevation 2259 KB 2247 GL
 Address 250 N. Water Ste. #300 Wichita, KS 67202
 Co. Rep / Geo. _____ Rig Murphy 21
 Location: Sec. 15 Twp. 24S Rge. 20W Co. Edwards State KS

Interval Tested 4625-4690 Zone Tested Mississippian
 Anchor Length 65' Drill Pipe Run _____ Mud Wt. 9.2
 Top Packer Depth 4620 Drill Collars Run 268.78 Vis 48
 Bottom Packer Depth 4625 Wt. Pipe Run 0 WL 8.8
 Total Depth 4690 Chlorides 3000 ppm System LCM 2#

Blow Description IF - Weak building blow, BOB in 17 minutes;
IF - No Return
FF - Weak building blow, BOB in 22 minutes;
IF - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>170</u>	<u>Muddy Water</u>			<u>50</u>	<u>50</u>
<u>624</u>	<u>Muddy Water</u>			<u>90</u>	<u>10</u>
____	____	____	____	____	____
____	____	____	____	____	____
____	____	____	____	____	____

Rec Total 744 BHT 135 Gravity _____ API RW 170 @ 110 ° F Chlorides 26,000 ppm

(A) Initial Hydrostatic 2321 Test 1250 T-On Location 0615
 (B) First Initial Flow 37 Jars T-Started 0715
 (C) First Final Flow 193 Safety Joint 75 T-Open 0928
 (D) Initial Shut-In 1463 Circ Sub T-Pulled 1335
 (E) Second Initial Flow 204 Hourly Standby T-Out 1600
 (F) Second Final Flow 365 Mileage 82X2 122rt 189.10 Comments BHT-0713
 (G) Final Shut-In 1464 Sampler _____
 (H) Final Hydrostatic 2289 Straddle _____

Initial Open 30 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 60 Shale Packer _____ Ruined Packer _____
 Final Flow 60 Extra Packer _____ Extra Copies _____
 Final Shut-In 90 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1514.10
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1514.10

Approved By _____ Our Representative D. Rash

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