



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 N Water Ste 300
Wichita KS 67202

ATTN: Paul Godowick

24 21 47W Prowers CO

Lukie-Do 2-24

Start Date: 2006.07.23 @ 12:37:02

End Date: 2006.07.23 @ 17:44:32

Job Ticket #: 22993 DST #: 1

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



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TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co

250 N Water Ste 300
Wichita KS 67202

ATTN: Paul Godowick

Lukie-Do 2-24

24 21 47W Prowers CO

Job Ticket: 22993

DST#: 1

Test Start: 2006.07.23 @ 12:37:02

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 17:44:32

Test Type: Conventional Bottom Hole

Tester: Chris Hagman

Unit No: 34

Interval: **4698.00 ft (KB) To 4726.00 ft (KB) (TVD)**

Total Depth: 4726.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Good

Reference Elevations: 3841.00 ft (KB)

3832.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 6755 Inside

Press@RunDepth: psig @ 4700.00 ft (KB)

Start Date: 2006.07.23

End Date:

2006.07.23

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Start Time: 12:37:02

End Time:

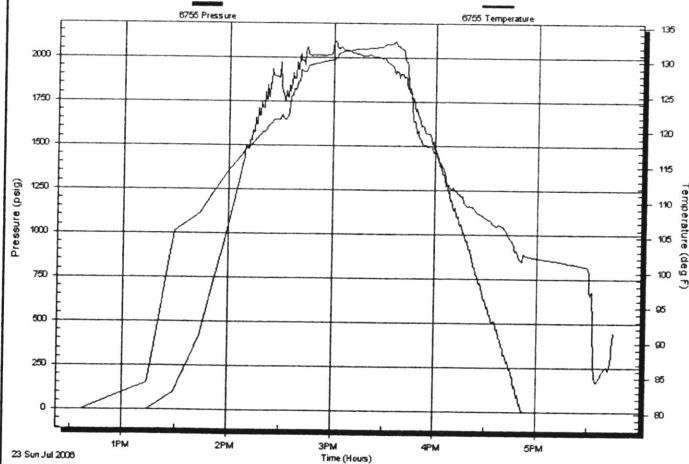
17:44:32

Time On Btm:

Time Off Btm:

TEST COMMENT: IF Lost circulation before setting the tool, pulled tool @ 2:30 PM

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)

Gas Rates

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

Murfin Drilling Co

250 N Water Ste 300
Wichita KS 67202

ATTN: Paul Godowick

Lukie-Do 2-24

24 21 47W Prowers CO

Job Ticket: 22993

DST#: 1

Test Start: 2006.07.23 @ 12:37:02

Tool Information

Drill Pipe:	Length: 4313.00 ft	Diameter: 3.80 inches	Volume: 60.50 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 387.00 ft	Diameter: 2.25 inches	Volume: 1.90 bbl	Weight to Pull Loose:	66000.00 lb
		Total Volume:	62.40 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	66000.00 lb
Depth to Top Packer:	4698.00 ft			Final	66000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	28.00 ft				
Tool Length:	56.00 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			4671.00	
Shut In Tool	5.00			4676.00	
Hydraulic tool	5.00			4681.00	
Jars	5.00			4686.00	
Safety Joint	3.00			4689.00	
Packer	5.00			4694.00	28.00 Bottom Of Top Packer
Packer	4.00			4698.00	
Stubb	1.00			4699.00	
Perforations	1.00			4700.00	
Recorder	0.00	6755	Inside	4700.00	
Perforations	23.00			4723.00	
Recorder	0.00	13630	Inside	4723.00	
Bullnose	3.00			4726.00	28.00 Bottom Packers & Anchor

Total Tool Length: 56.00



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FLUID SUMMARY

Murfin Drilling Co

Lukie-Do 2-24

250 N Water Ste 300
Wichita KS 67202

24 21 47W Prowers CO

Job Ticket: 22993

DST#: 1

ATTN: Paul Godowick

Test Start: 2006.07.23 @ 12:37:02

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: 59.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl

Total Length:

ft

Total Volume:

bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

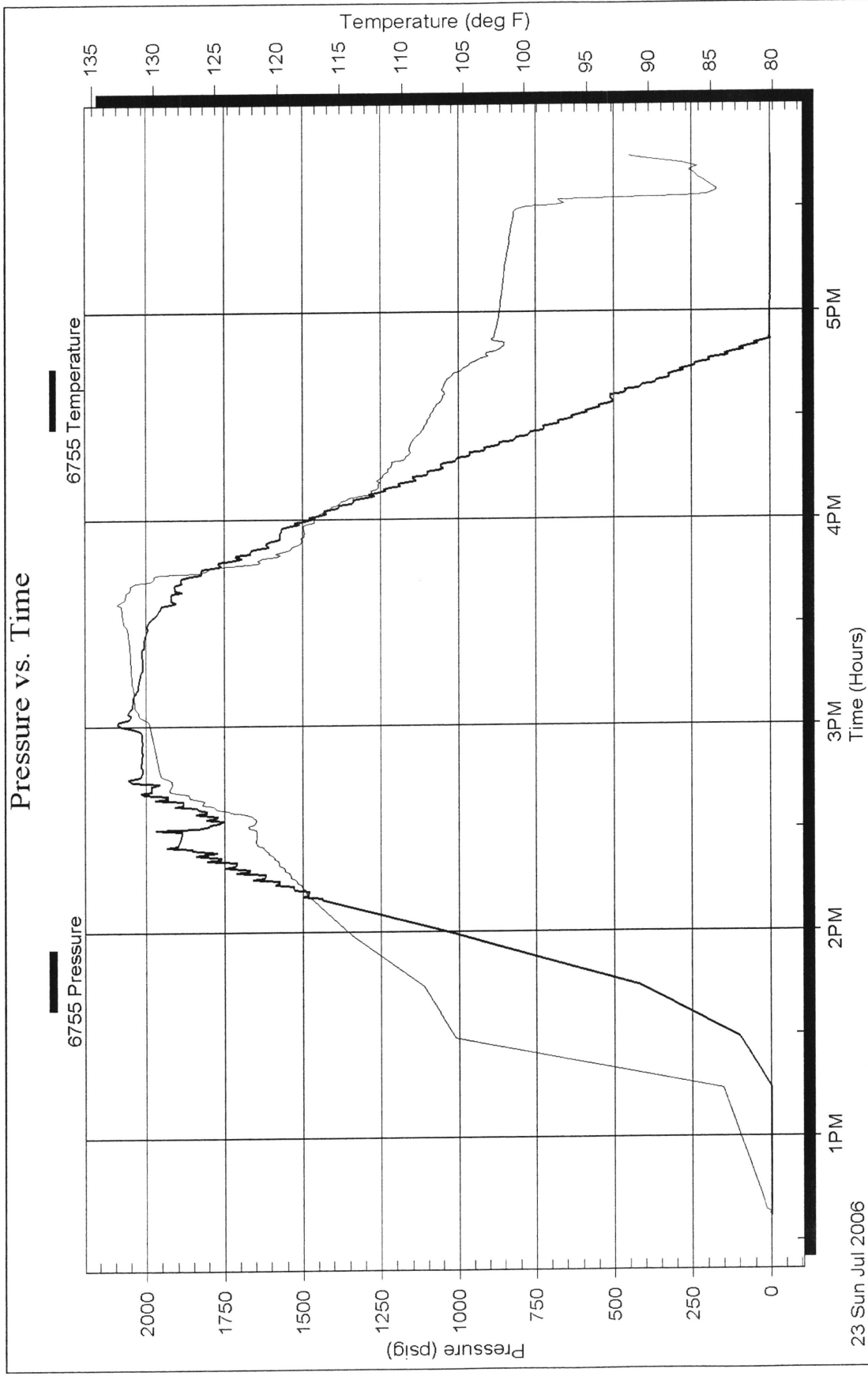
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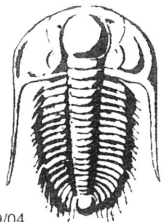
Inside

Murfin Drilling Co

24 21 47W Prowers CO

DST Test Number: 1





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 22993

9040

Test Ticket

Well Name & No. Luke-Do 2-24 Test No. 1 (MISUN) Date 7-23-06
 Company Murfin Drilling Co. Zone Tested Morrow
 Address 250 N. Water, Suite 300 Wichita, KS 67202 Elevation 3841 KB 3832 GL
 Co. Rep / Geo. Paul Godowick Cont. Murfin 225 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 24 Twp. 21S Rge. 47W Co. Prowers State CO.
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4698-4726 Initial Str Wt./Lbs. 66K Unseated Str Wt./Lbs. 66K
 Anchor Length 28' Wt. Set Lbs. 20K Wt. Pulled Loose/Lbs. 66K
 Top Packer Depth 4693 Tool Weight 2K
 Bottom Packer Depth 4698 Hole Size 7 7/8" ☒ Rubber Size 6 3/4" ☒
 Total Depth 4726 Wt. Pipe Run N.A. Drill Collar Run 387
 Mud Wt. 9.3 LCM 5# Vis. 59 WL 8.0 Drill Pipe Size 4.5 x H Ft. Run 4313
 Blow Description IF: lost circulation before we set the tool (MISUN)

ISI:
 FP:
 PSI:

Recovery - Total Feet 2 GIP _____ Ft. in DC _____ Ft. in DP _____
 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. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 BHT _____ °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 1200 ppm System

	AK-1	Alpine					
(A) Initial Hydrostatic Mud	PSI	Recorder No.	<u>6755 (12.35)</u>	Test	<u>MORUN</u>	<u>1000</u>	
(B) First Initial Flow Pressure	PSI	(depth)		Jars	<input checked="" type="checkbox"/>	<u>250</u>	
(C) First Final Flow Pressure	PSI	Recorder No.	<u>13630</u>	Safety Jt.	<input checked="" type="checkbox"/>	<u>75</u>	
(D) Initial Shut-In Pressure	PSI	(depth)		Circ Sub			
(E) Second Initial Flow Pressure	PSI	Recorder No.		Sampler			
(F) Second Final Flow Pressure	PSI	(depth)		Straddle			
(G) Final Shut-In Pressure	PSI	Initial Opening	<u>30</u>	Ext. Packer			
(Q) Final Hydrostatic Mud	PSI	Initial Shut-In	<u>60</u>	Shale Packer			
		Final Flow	<u>60</u>	Ruined Packer			
		Final Shut-In	<u>120</u>	Mileage	<u>21 x</u>	<u>317.50</u>	
		T-On Location	<u>1130</u>	Sub Total:		<u>1642.50</u>	
		T-Started	<u>1230</u>	Std. By	<u>2</u>		
		T-Open		Othe			
		T-Pulled	<u>1430</u>	Total:			
		T-Out	<u>1745</u>				

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Approved By [Signature]

Our Representative [Signature]

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

