



## DRILL STEM TEST REPORT

Prepared For: **Don Fox**

2700 Westminister  
Hutchison, KS 67502

ATTN: Wayne Lepsack

**5-20s-9w Rice KS**

**Sharpe #5**

Start Date: 2005.01.16 @ 21:30:36

End Date: 2005.01.17 @ 07:33:51

Job Ticket #: 19222                      DST #: 1

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
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**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Don Fox  
2700 Westminister  
Hutchison, KS 67502  
ATTN: Wayne Lepsack

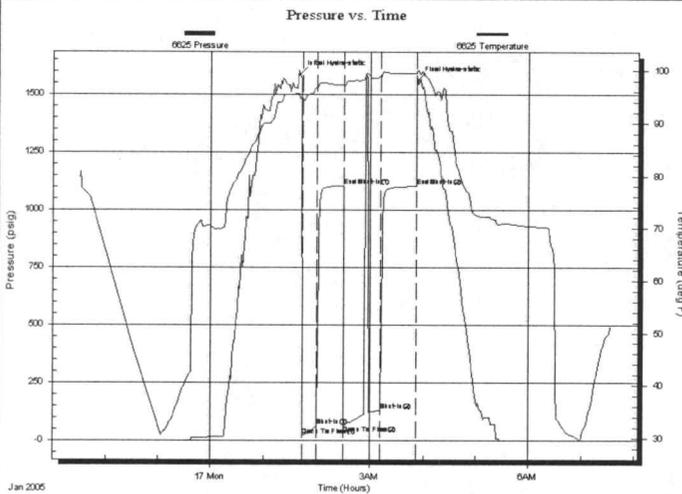
**Sharpe #5**  
**5-20s-9w Rice KS**  
Job Ticket: 19222      **DST#: 1**  
Test Start: 2005.01.16 @ 21:30:36

### GENERAL INFORMATION:

Formation: **Arbuckle**  
Deviated: **No** Whipstock:                      ft (KB)  
Time Tool Opened: 01:44:06  
Time Test Ended: 07:33:51  
Interval: **3196.00 ft (KB) To 3245.00 ft (KB) (TVD)**  
Total Depth: **3245.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Poor**  
Test Type: **Conventional Bottom Hole**  
Tester: **Davy Cline**  
Unit No: **30**  
Reference Elevations: **1721.00 ft (KB)**  
**1713.00 ft (CF)**  
KB to GR/CF: **8.00 ft**

**Serial #: 6625**      **Inside**  
Press@RunDepth: **130.13 psig @ 3203.00 ft (KB)**      Capacity: **7000.00 psig**  
Start Date: **2005.01.16**      End Date: **2005.01.17**      Last Calib.: **2005.01.17**  
Start Time: **21:30:39**      End Time: **07:33:51**      Time On Btm: **2005.01.17 @ 01:40:36**  
Time Off Btm: **2005.01.17 @ 03:52:51**

**TEST COMMENT:** IF: Fair blow . 6" blow in 10" of Diesel.  
IS: No Blow . Not accurate. Nubbin cracked loose on top of joint and bled by.  
FF: No blow . Not accurate.  
FS: No blow . Not accurate.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1584.72	94.71	Initial Hydro-static
4	20.39	94.29	Open To Flow (1)
20	61.49	96.85	Shut-In(1)
49	1104.95	97.25	End Shut-In(1)
50	65.21	96.84	Open To Flow (2)
91	130.13	98.95	Shut-In(2)
131	1101.72	99.55	End Shut-In(2)
133	1560.21	99.98	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
50.00	Oil 100%o	0.25
160.00	OCM 14%g 26%o 60%m	0.79
0.00	180 ft GIP	0.00

### Gas Rates

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



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## DRILL STEM TEST REPORT

TOOL DIAGRAM

Don Fox

**Sharpe #5**

2700 Westminister  
Hutchison, KS 67502

**5-20s-9w Rice KS**

Job Ticket: 19222

**DST#: 1**

ATTN: Wayne Lepsack

Test Start: 2005.01.16 @ 21:30:36

### Tool Information

Drill Pipe:	Length: 2929.00 ft	Diameter: 3.80 inches	Volume: 41.09 bbl	Tool Weight: 2100.00 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: 246.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 42.30 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3196.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	49.00 ft			
Tool Length:	77.00 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			3169.00	
Shut In Tool	5.00			3174.00	
Hydraulic tool	5.00			3179.00	
Jars	5.00			3184.00	
Safety Joint	2.00			3186.00	
Packer	5.00			3191.00	28.00 Bottom Of Top Packer
Packer	5.00			3196.00	
Stubb	1.00			3197.00	
Perforations	5.00			3202.00	
Change Over Sub	1.00			3203.00	
Recorder	0.00	6625	Inside	3203.00	
Blank Spacing	31.00			3234.00	
Change Over Sub	1.00			3235.00	
Perforations	7.00			3242.00	
Recorder	0.00	10332		3242.00	
Bullnose	3.00			3245.00	49.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>77.00</b>				



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

FLUID SUMMARY

Don Fox

Sharpe #5

2700 Westminster  
Hutchison, KS 67502

5-20s-9w Rice KS

Job Ticket: 19222

DST#: 1

ATTN: Wayne Lepsack

Test Start: 2005.01.16 @ 21:30:36

## 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: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	Oil 100%o	0.246
160.00	OCM 14%g 26%o 60%m	0.787
0.00	180 ft GIP	0.000

Total Length: 210.00 ft      Total Volume: 1.033 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

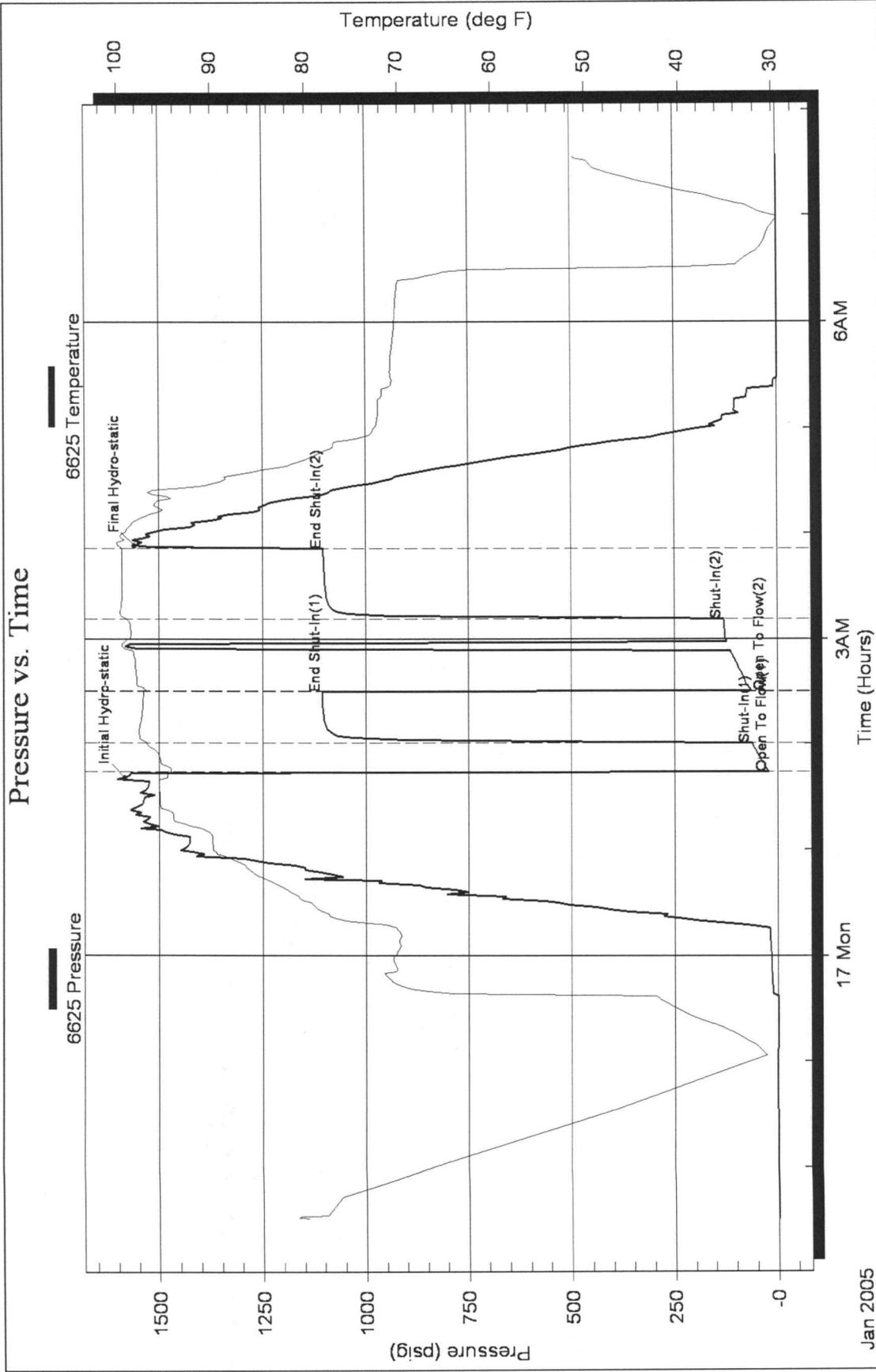
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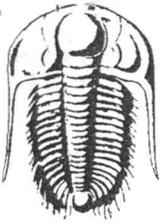
Inside

Don Fox

5-20s-9w Rice KS

DST Test Number: 1





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

*INV 7/20*

No. 19222

05/03

## Test Ticket

Well Name & No. Sharpe # 5 Test No. 1 Date 1-16-05  
 Company Don Fox Zone Tested Arbuckle  
 Address 2700 Westminister Hutchison, KS 67502 Elevation 1721 KB 1713 GL  
 Co. Rep / Geo. Wayne Lepsack Cont. Sterling Drlg. # 1 Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 5 Twp. 20s Rge. 9w Co. Rice State KS  
 No. of Copies 5 Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 3196 - 3245 Initial Str Wt./Lbs. 62,000 Unseated Str Wt./Lbs. 62,000  
 Anchor Length 49' Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 65,000  
 Top Packer Depth 3191 Tool Weight 2100  
 Bottom Packer Depth 3196 Hole Size 7 7/8"  Rubber Size 6 3/4"   
 Total Depth 3245 Wt. Pipe Run N/A Drill Collar Run 246  
 Mud Wt. 9.0 LCM \_\_\_\_\_ Vis. 46 WL 8.0 Drill Pipe Size 4 1/2" Ft. Run 2929

Blow Description IF: Fair blow. 6" blow in 10" Diesel  
ISI: No blow. Not accurate. Nubbin cracked loose on top of joint & bled by.  
FF: No blow. Not accurate. (Rig was circulating when I arrived because)  
FSI: No blow. Not accurate. (Driller had quit & they had trouble freezing up.)

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>340</u>	<u>180</u>	<u>246</u>	<u>114</u>
Rec. <u>50</u> Feet of <u>Oil</u>	%gas <u>100</u>	%oil _____	%water _____
Rec. <u>210 160</u> Feet of <u>OCM</u>	%gas <u>26</u>	%oil <u>0</u>	%water <u>60</u>
Rec. _____ Feet of _____	%gas _____	%oil _____	%water _____
Rec. _____ Feet of _____	%gas _____	%oil _____	%water _____
Rec. _____ Feet of _____	%gas _____	%oil _____	%water _____
BHT _____ °F Gravity _____	°API D @ <u>00</u>	°F Corrected Gravity <u>38</u>	°API _____
RW _____ @ _____ °F	Chlorides _____ ppm	Recovery _____	Chlorides <u>5000</u> ppm System

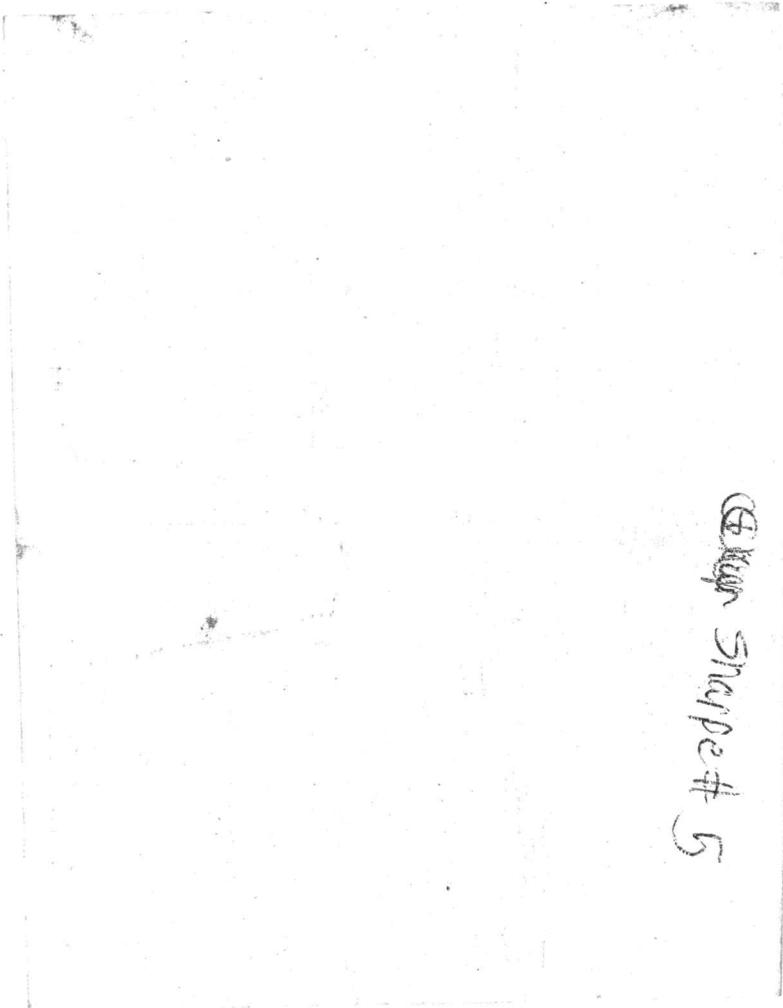
(A) Initial Hydrostatic Mud	AK-1	Alpine	Recorder No.	Test
_____	<u>1585</u>	PSI	<u>6625</u>	<input checked="" type="checkbox"/> <u>900</u>
(B) First Initial Flow Pressure	<u>20</u>	PSI	(depth) <u>3203</u>	Elec. Rec. <input checked="" type="checkbox"/>
(C) First Final Flow Pressure	<u>61</u>	PSI	Recorder No. <u>10332</u>	Jars <input checked="" type="checkbox"/> <u>200</u>
(D) Initial Shut-In Pressure	<u>1105</u>	PSI	(depth) <u>3242</u>	Safety Jt. <input checked="" type="checkbox"/> <u>50</u>
(E) Second Initial Flow Pressure	<u>65</u>	PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>130</u>	PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>1102</u>	PSI	<b>Initial Opening</b> <u>15</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1560</u>	PSI	Initial Shut-In <u>30</u>	Ext. Packer _____
			Final Flow <u>30</u>	Shale Packer _____
			Final Shut-In <u>30</u>	Mileage <input checked="" type="checkbox"/> <u>150</u>
			<b>T-On Location</b> <u>18:00</u>	Sub Total: <u>1300</u>
			T-Started <u>21:30</u>	Std. By <u>5.5 hrs</u> <u>120</u>
			T-Open <u>04:44</u>	Other <u>90</u>
			T-Pulled <u>04:00</u>	Total: <u>1510</u>
			T-Out <u>07:33</u>	

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Approved By Don Fox  
 Our Representative, Danny

**CHART PAGE**

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



④ *Shapett* 5