

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **R & B Oil & Gas**

PO Box 195
Attica KS 67009

ATTN: Tim Pierce

33 33S 10W Barber KS

Spicer A #1

Start Date: 2007.07.04 @ 08:18:33

End Date: 2007.07.04 @ 17:27:33

Job Ticket #: 27925 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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Job Ticket: 27925 **DST#: 1**

Test Start: 2007.07.04 @ 08:18:33

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:42:18
Time Test Ended: 17:27:33

Test Type: Conventional Bottom Hole
Tester: Leal Cason
Unit No: 24

Interval: 4562.00 ft (KB) To 4580.00 ft (KB) (TVD)
Total Depth: 4580.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

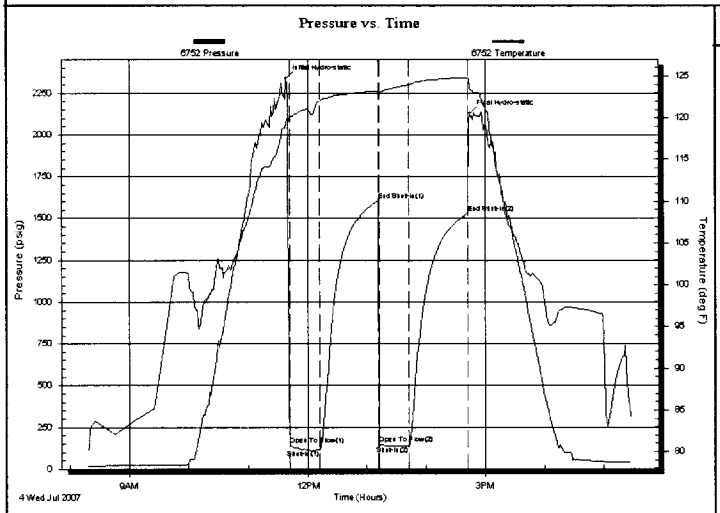
Reference Elevations: 1423.00 ft (KB)
1413.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6752 **Inside**

Press@RunDepth: 135.64 psig @ 4563.00 ft (KB)
Start Date: 2007.07.04 End Date: 2007.07.04
Start Time: 08:18:38 End Time: 17:27:33

Capacity: 7000.00 psig
Last Calib.: 2007.07.04
Time On Btm: 2007.07.04 @ 11:38:18
Time Off Btm: 2007.07.04 @ 14:44:18

TEST COMMENT: IF Strong Blow BOB in 13 minutes
ISI Bled Off No Blow back
FF Strong Blow BOB in 12 minutes
FSI Bled Off No Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2337.86	119.29	Initial Hydro-static
4	143.30	120.13	Open To Flow (1)
34	112.71	122.04	Shut-In(1)
93	1605.80	123.21	End Shut-In(1)
94	147.79	122.95	Open To Flow (2)
124	135.64	123.95	Shut-In(2)
184	1532.93	124.79	End Shut-In(2)
186	2128.78	123.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
127.00	GSY MCW 2%G 15%M 83%W	0.62
105.00	GSY OCM 2%G 6%O 92%M	1.47

Gas Rates

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

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TOOL DIAGRAM

R & B Oil & Gas

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Job Ticket: 27925 **DST#: 1**

Test Start: 2007.07.04 @ 08:18:33

Tool Information

Drill Pipe:	Length:	4419.00 ft	Diameter:	3.80 inches	Volume:	61.99 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:	127.00 ft	Diameter:	2.25 inches	Volume:	0.62 bbl	Weight to Pull Loose:		76000.00 lb
					Total Volume:	62.61 bbl	Tool Chased		ft
Drill Pipe Above KB:		5.00 ft					String Weight:	Initial	70000.00 lb
Depth to Top Packer:		4562.00 ft						Final	72000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		18.00 ft							
Tool Length:		39.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Circulating sub	1.00			4542.00		
Change Over Sub	1.00			4543.00		
Shut In Tool	5.00			4548.00		
Hydraulic tool	5.00			4553.00		
Packer	5.00			4558.00	21.00	Bottom Of Top Packer
Packer	4.00			4562.00		
Stubb	1.00			4563.00		
Recorder	0.00	6752	Inside	4563.00		
Perforations	14.00			4577.00		
Recorder	0.00	6704	Outside	4577.00		
Bullnose	3.00			4580.00	18.00	Bottom Packers & Anchor
Total Tool Length:	**39.00**					

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FLUID SUMMARY

R & B Oil & Gas

PO Box 195
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ATTN: Tim Pierce

Spicer A #1

33 33S 10W Barber KS

Job Ticket: 27925 **DST#: 1**

Test Start: 2007.07.04 @ 08:18:33

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:	19000 ppm
Viscosity:	64.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.39 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	7000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

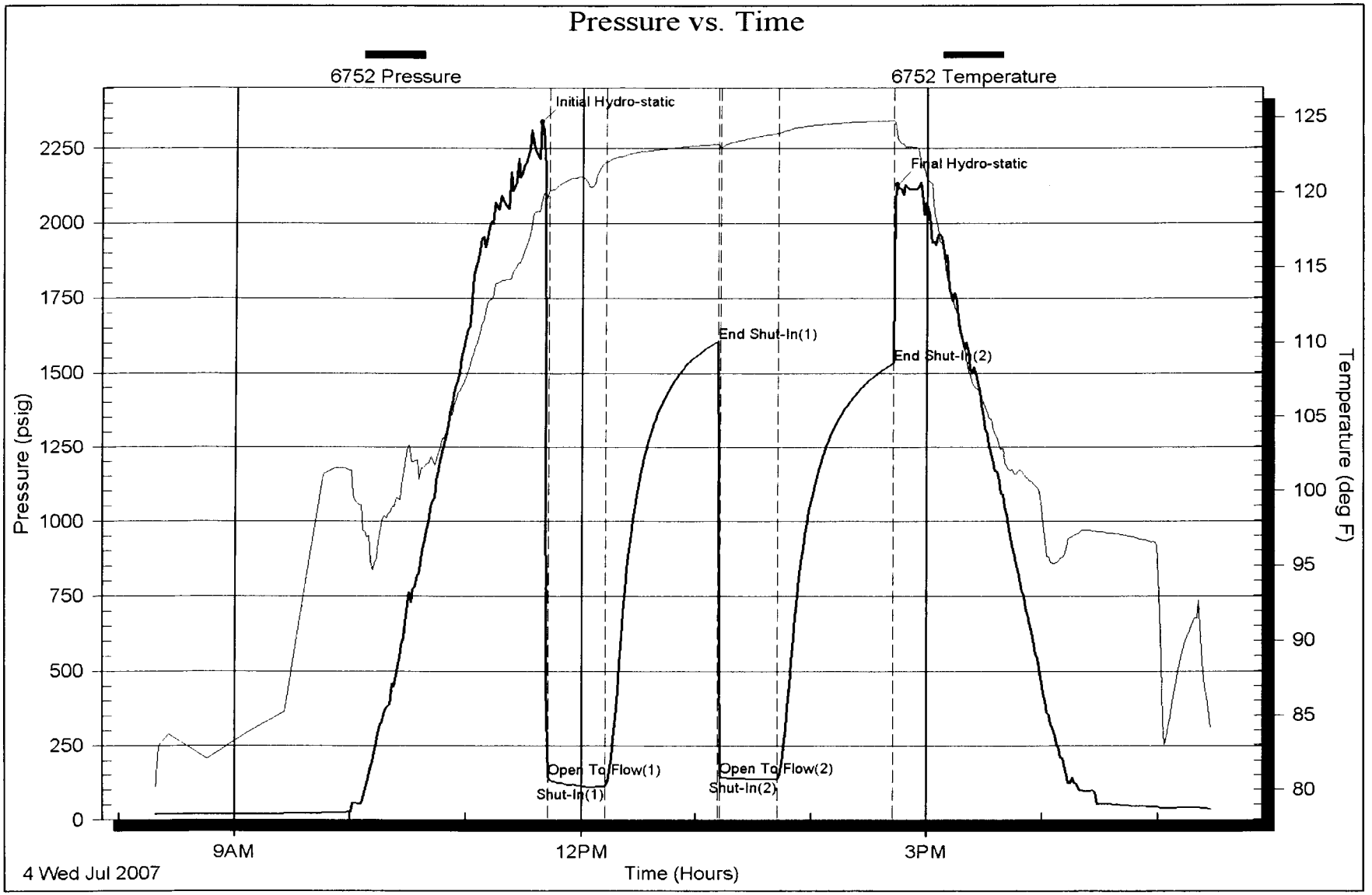
Length ft	Description	Volume bbl
127.00	GSY MCW 2%G 15%M 83%W	0.625
105.00	GSY OCM 2%G 6%O 92%M	1.473

Total Length: 232.00 ft Total Volume: 2.098 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6752 Pressure
6752 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure (psig)
Temperature (deg F)
2250
2000
1750
1500
1250
1000
750
500
250
0
125
120
115
110
105
100
95
90
85
80
9AM
12PM
3PM
4 Wed Jul 2007
Time (Hours)

TRILOBITE TESTING INC.
P.O. Box 362 • Hays, Kansas 67601

10/05

27925

10348

Test Ticket

Well Name & No. Spicer A #1 Test No. 1 Date 7/4/07

Company R+B Oil + Gas Zone Tested Missippi

Address PO Box 195 Attica, KS 67009 Elevation 1423 KB 1413 GL

Co. Rep / Geo. Tim Pierce Rig Hardt Drilling

Location: Sec. 33 Twp. 33S Rge. 10W Co. Barber State KS

Comment: Release date / time:

Interval Tested 4562 – 4580 Initial Str Wt./Lbs. 70000 Unseated Str Wt/Lbs. 72000

Anchor Length 18 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 76000

Top Packer Depth 4558 Tool Weight 2100

Bottom Packer Depth 4562 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓

Total Depth 4580 Wt. Pipe Run 0 Drill Collar Run 127

Mud Wt. 9.1 LCM Vis. 64 WL 10.4 Drill Pipe Size 4½ Ft. Run 4419

Blow Description IF: Strong Blow, BOB in 13 minutes
ISI: Bled off, No Blowback
FF: Strong Blow, BOB in 12 minutes
FSI: Bled off, No Blowback

Recovery - Total Feet 232 GIP 2168 Ft. in DC 127 Ft. in DP 105

Rec. 105	Feet of GSY OCM	2 %gas	6 %oil	%water	92 %mud
Rec. 127	Feet of GSY MCW	2 %gas	%oil	83 %water	15 %mud
Rec.	Feet of	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud

BHT 125 °F Gravity N/C °API D @ N/C °F Corrected Gravity N/C °API

RW .13 @ 93 °F Chlorides 19000 ppm Recovery Chlorides 7000 ppm System

	AK-1	Alpine					
(A) Initial Hydrostatic Mud		2338	PSI	Recorder No.	6752	Test ✓	1200
(B) First Initial Flow Pressure		143	PSI	(depth)	4563	Jars	
(C) First Final Flow Pressure		113	PSI	Recorder No.	[redacted]	Safety Jt.	
(D) Initial Shut-In Pressure		1606	PSI	(depth)		Circ Sub	
(E) Second Initial Flow Pressure		148	PSI	Recorder No.	6704	Sampler	
(F) Second Final Flow Pressure		136	PSI	(depth)	4577	Straddle	
(G) Final Shut-In Pressure		1533	PSI	**Initial Opening**	30	Ext. Packer	
(Q) Final Hydrostatic Mud		2129	PSI	Initial Shut-In	60	Shale Packer	
				Final Flow	30	Ruined Packer	
				Final Shut-In	60	Mileage 110	137.50
				T-On Location	07:00	Sub Total:	
				T-Started	08:18	Std. By 4½	50
				T-Open	11:42	Acc. Chg:	
				T-Pulled	14:42	Other:	
				T-Out	17:27	Total:	$1387.50

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Approved By Tim Pierce

Our Representative

CHART PAGE

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

