

## DRILL STEM TEST REPORT

Prepared For: **Jason Oil Company**

PO Box 701  
Russell, Ks 67665

ATTN: Randy Killian

**22-14s-13w-Russell**

**Strachan #1**

Start Date: 2006.01.05 @ 05:00:48

End Date: 2006.01.05 @ 12:34:03

Job Ticket #: 24628                      DST #: 1

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

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Test Start: 2006.01.05 @ 05:00:48

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: **No Whipstock:**                      ft (KB)  
 Time Tool Opened: 06:47:18  
 Time Test Ended: 12:34:03

Test Type: **Conventional Bottom Hole**  
 Tester: **Jason McLemore**  
 Unit No: **32**

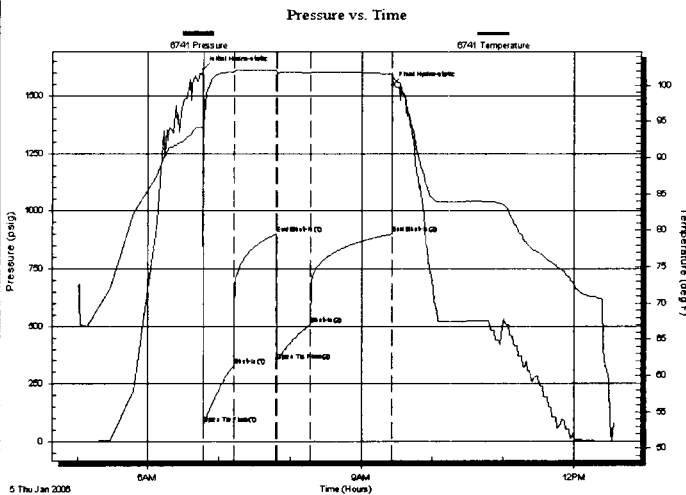
Interval: **3168.00 ft (KB) To 3178.00 ft (KB) (TVD)**  
 Total Depth: **3178.00 ft (KB) (TVD)**  
 Hole Diameter: **7.80 inches** Hole Condition: **Good**

Reference Elevations: **1731.00 ft (KB)**  
**1726.00 ft (CF)**  
 KB to GR/CF: **5.00 ft**

**Serial #: 6741**      **Inside**

Press@RunDepth: **507.68 psig @ 3170.00 ft (KB)**  
 Start Date: **2006.01.05**      End Date: **2006.01.05**      Capacity: **7000.00 psig**  
 Start Time: **05:00:50**      End Time: **12:34:03**      Last Calib.: **2006.01.05**  
 Time On Btm: **2006.01.05 @ 06:46:33**  
 Time Off Btm: **2006.01.05 @ 09:25:33**

**TEST COMMENT:** FFP-Strong Blow ,BOB in 1-1/2 Min.  
 ISI-Dead  
 FFP-Strong Blow ,BOB in 2-1/2 Min.  
 FSI-Dead



## PRESSURE SUMMARY

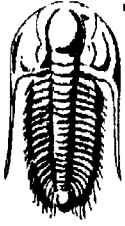
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1613.80	94.17	Initial Hydro-static
1	76.43	95.12	Open To Flow (1)
26	326.44	101.80	Shut-In(1)
62	899.90	102.07	End Shut-In(1)
62	346.37	101.83	Open To Flow (2)
91	507.68	101.69	Shut-In(2)
159	899.58	101.54	End Shut-In(2)
159	1546.17	101.69	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
50.00	HMCOM-20%G-27%O-3%W-50%M	0.70
1220.00	Gassy Oil-15%G-85%O	17.11

## Gas Rates

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



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**TOOL DIAGRAM**

Jason Oil Company

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Job Ticket: 24628

**DST#: 1**

ATTN: Randy Killian

Test Start: 2006.01.05 @ 05:00:48

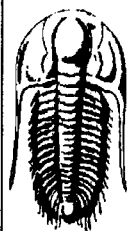
### Tool Information

Drill Pipe:	Length: 3159.00 ft	Diameter: 3.80 inches	Volume: 44.31 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 35000.00 lb
			<u>Total Volume: 44.31 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3168.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	38.00 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			3141.00	
Shut In Tool	5.00			3146.00	
Hydraulic tool	5.00			3151.00	
Jars	5.00			3156.00	
Safety Joint	2.00			3158.00	
Packer	5.00			3163.00	28.00 Bottom Of Top Packer
Packer	5.00			3168.00	
Stubb	1.00			3169.00	
Perforations	1.00			3170.00	
Recorder	0.00	6741	Inside	3170.00	
Perforations	5.00			3175.00	
Recorder	0.00	13221	Outside	3175.00	
Bullnose	3.00			3178.00	10.00 Bottom Packers & Anchor

**Total Tool Length: 38.00**



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FLUID SUMMARY

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Job Ticket: 24628      **DST#: 1**

ATTN: Randy Killian

Test Start: 2006.01.05 @ 05:00:48

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 30 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 44.00 sec/qt	Cushion Volume: bbl	
Water Loss: 10.98 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4000.00 ppm		
Filter Cake: inches		

## Recovery Information

Recovery Table

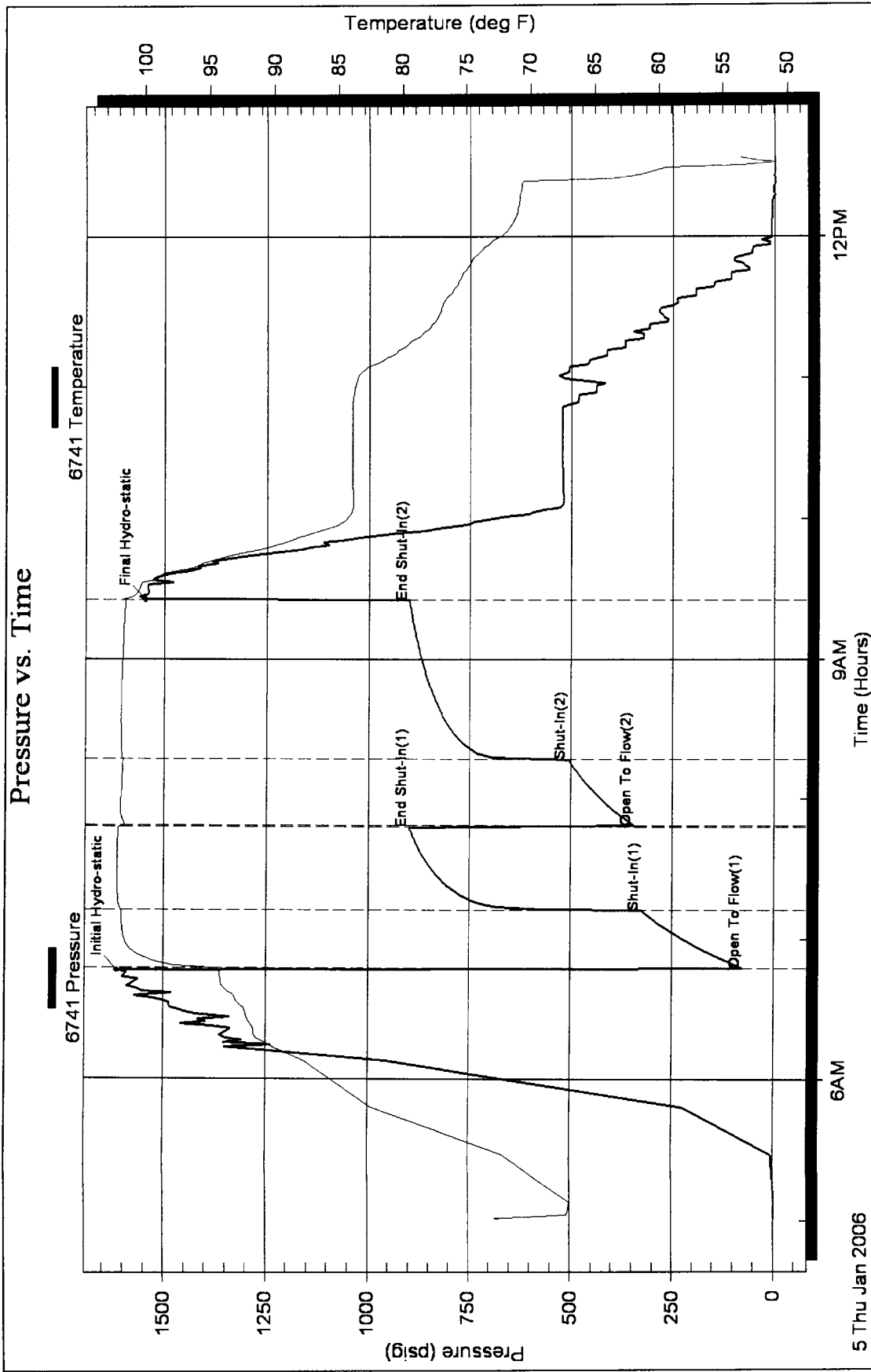
Length ft	Description	Volume bbl
50.00	HWC0M-20%G-27%O-3%W-50%M	0.701
1220.00	Gassy Oil-15%G-85%O	17.113

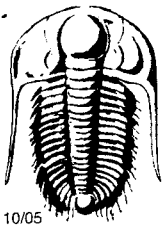
Total Length: 1270.00 ft      Total Volume: 17.814 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 24628

## Test Ticket

Well Name & No. Straehan #1 Test No. 1 Date 1-5-05  
 Company Jason Oil Co. Zone Tested Arbuckle  
 Address PO BOX 701, Russell, KS 67665 Elevation 1731 KB 1726 GL  
 Co. Rep / Geo. Randy Kellian Rig Vondfeldt  
 Location: Sec. 22 Twp. 14s Rge. 13w Co. Russell State KS  
 Comment: \_\_\_\_\_ Release date / time: \_\_\_\_\_

Interval Tested 3168 - 3178 Initial Str Wt./Lbs. 32,000 Unseated Str Wt./Lbs. 35,000  
 Anchor Length 10' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 35,000  
 Top Packer Depth 3163 Tool Weight 2200  
 Bottom Packer Depth 3168 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓  
 Total Depth 3178 Wt. Pipe Run 0 Drill Collar Run 0  
 Mud Wt. 9.3 LCM 1/8" Vis. 44 WL 11.0 Drill Pipe Size 4 1/2 X 4 Ft. Run 3159  
 Blow Description IFP - Strong Blow, BOB in 1 1/2 minutes  
ISI - Dead  
FFP - Strong Blow, BOB in 2 1/2 min.  
FSI - Dead

Recovery - Total Feet 1270 GIP \_\_\_\_\_ Ft. in DC \_\_\_\_\_ Ft. in DP \_\_\_\_\_  
 Rec. 1220 Feet of Gassy Oil 15 %gas 85 %oil %water %mud  
 Rec. 50 Feet of HOCWM 20 %gas 27 %oil 3 %water 50 %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 30 °API D @ 60 °F Corrected Gravity 30 °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery \_\_\_\_\_ Chlorides 4,000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	1614	PSI	6741	1000
(B) First Initial Flow Pressure	76	PSI	3170	Jars
(C) First Final Flow Pressure	326	PSI	13221	Safety Jt.
(D) Initial Shut-In Pressure	900	PSI	3175	Circ Sub
(E) Second Initial Flow Pressure	346	PSI		Sampler
(F) Second Final Flow Pressure	508	PSI		Straddle
(G) Final Shut-In Pressure	900	PSI	Initial Opening 30	Ext. Packer
(Q) Final Hydrostatic Mud	1546	PSI	Initial Shut-In 30	Shale Packer
			Final Flow <del>60</del> 30	Ruined Packer
			Final Shut-In 60	Mileage <u>66 + 66</u>
			T-On Location 3:30	Sub Total: 1066
			T-Started 5:00	Std. By <u>1hr</u> 50
			T-Open 6:49	Acc. Chg: _____
			T-Pulled 9:19	Other: _____
			T-Out 12:30	Total: <u>\$1116</u>

Approved By \_\_\_\_\_  
 Our Representative J. Mic Lomax *Thank You*

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