

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Jason Oil Co.**

PO Box 701
Russell KS 67665

ATTN: Herb Deines

34-11-17 Ellis KS (w)

Dreiling #3

Start Date: 2010.12.04 @ 15:45:17
End Date: 2010.12.04 @ 20:59:47
Job Ticket #: 41336 DST #: 1

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KCC WICHITA

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Jason Oil Co. Dreiling #3 34-11-17 Ellis KS(w) DST #1 Arbuckle 2010.12.04
34-11-17W

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Jason Oil Co.

PO Box 701
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Dreiling #3

34-11-17 Ellis KS

Job Ticket: 41336 **DST#: 1**

Test Start: 2010.12.04 @ 15:45:17

Tool Information

Drill Pipe:	Length:	3476.00 ft	Diameter:	3.80 inches	Volume:	48.76 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	
					Total Volume:	48.76 bbl	

Drill Pipe Above KB:	33.00 ft
Depth to Top Packer:	3464.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	26.00 ft
Tool Length:	47.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2500.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	45000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	36000.00 lb
Final	40000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3444.00		
Shut In Tool	5.00			3449.00		
Hydraulic tool	5.00			3454.00		
Packer	5.00			3459.00	21.00	Bottom Of Top Packer
Packer	5.00			3464.00		
Stubb	1.00			3465.00		
Perforations	20.00			3485.00		
Recorder	0.00	6625	Inside	3485.00		
Recorder	0.00	8652	Outside	3485.00		
Perforations	2.00			3487.00		
Bullnose	3.00			3490.00	26.00	Bottom Packers & Anchor
Total Tool Length:	**47.00**					

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FLUID SUMMARY

Jason Oil Co.

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Job Ticket: 41336 **DST#: 1**

Test Start: 2010.12.04 @ 15:45:17

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:	48.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.98 in³	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
30.00	Mud	0.421
210.00	VSOCW 5%O 95%W	2.946
120.00	SOCW 15%O 85%M	1.683
290.00	SGWOCM 5%G 5%W 10%O 80%M	4.068

Total Length: 650.00 ft Total Volume: 9.118 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

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34-11-17 Ellis KS

Job Ticket: 41336 **DST#: 1**

Test Start: 2010.12.04 @ 15:45:17

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:25:47
Time Test Ended: 20:59:47

Test Type: Conventional Bottom Hole
Tester: Brett Dickinson
Unit No: 42

Interval: 3464.00 ft (KB) To 3490.00 ft (KB) (TVD)
Total Depth: 3490.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

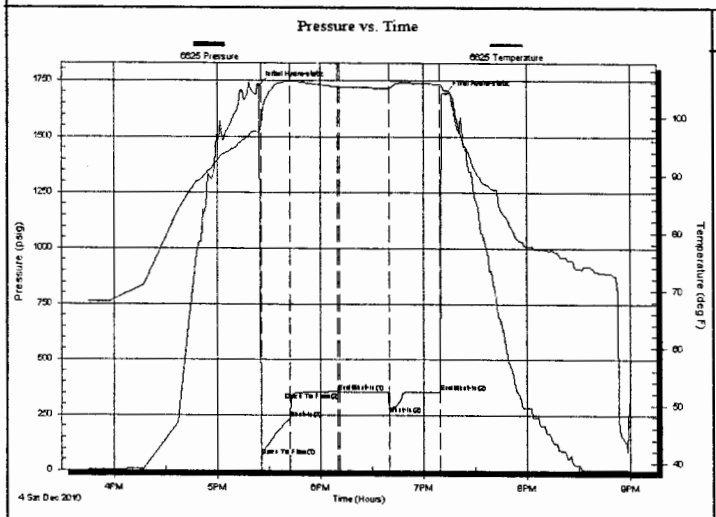
Reference Elevations: 1993.00 ft (KB)
1983.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6625 **Inside**

Press@RunDepth: 255.10 psig @ 3485.00 ft (KB)
Start Date: 2010.12.04 End Date: 2010.12.04
Start Time: 15:45:22 End Time: 20:59:46

Capacity: 8000.00 psig
Last Calib.: 2010.12.04
Time On Btm: 2010.12.04 @ 17:24:47
Time Off Btm: 2010.12.04 @ 19:13:17

TEST COMMENT: IF-BOB in 2.5min
ISI-No blow
FF-2,25in blow
FSI-4.5in blow died back to 4in



PRESSURE SUMMARY

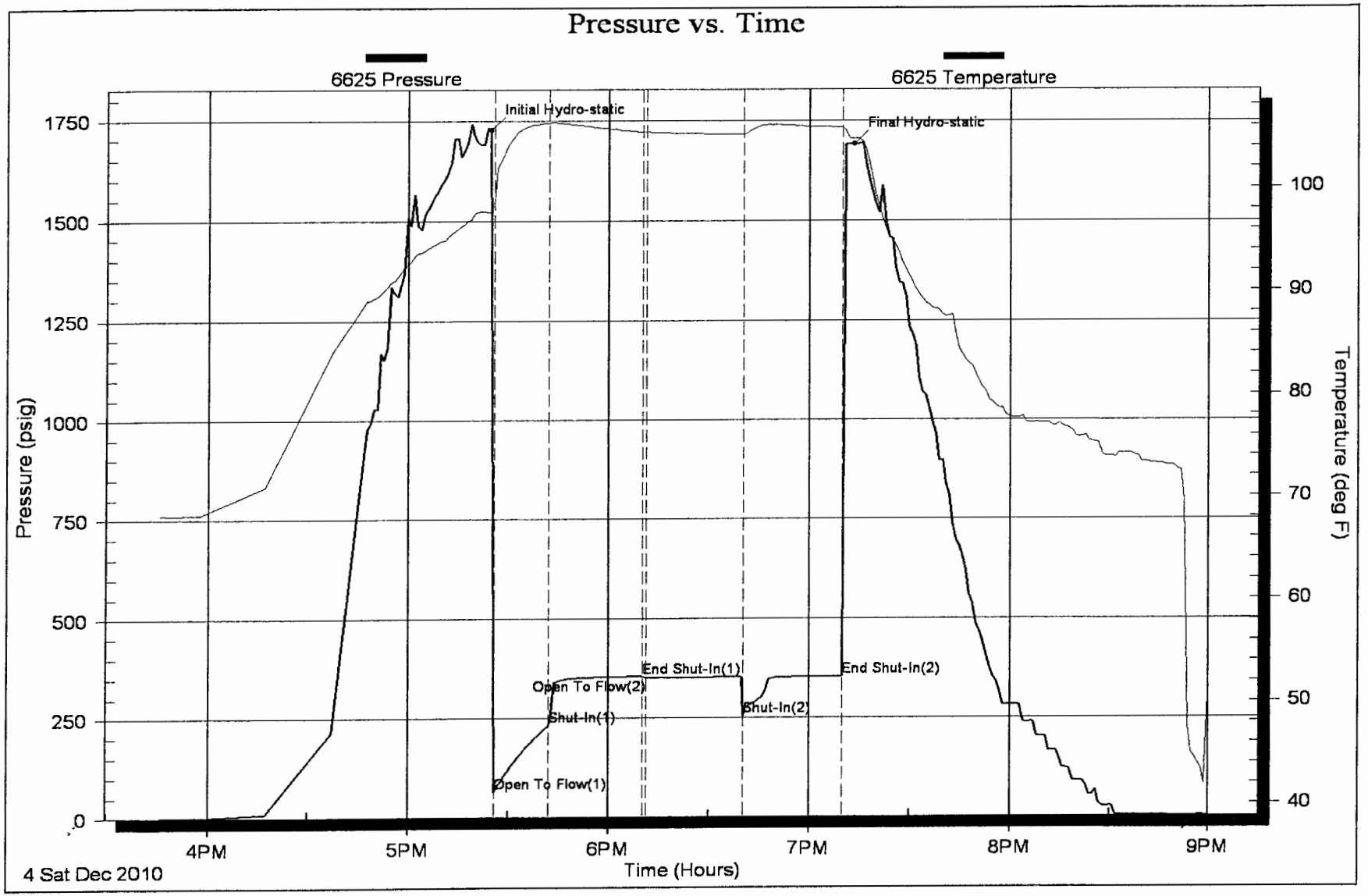
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1726.35	97.57	Initial Hydro-static
1	64.43	98.65	Open To Flow (1)
18	232.29	106.22	Shut-In(1)
46	354.60	105.31	End Shut-In(1)
47	350.97	105.31	Open To Flow (2)
76	255.10	105.07	Shut-In(2)
105	354.20	105.76	End Shut-In(2)
109	1690.49	104.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud	0.42
210.00	VSOCW 5%O 95%W	2.95
120.00	SOCW 15%O 85%M	1.68
290.00	SGWOCM 5%G 5%W 10%O 80%M	4.07

Gas Rates

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


Pressure vs. Time
6625 Pressure
6625 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(2)
Shut-In(1)
Shut-In(2)
Open To Flow(1)
Pressure (psig)
Temperature (deg F)
Time (Hours)
4 Sat Dec 2010
1750
1500
1250
1000
750
500
250
0
100
90
80
70
60
50
40
4PM
5PM
6PM
7PM
8PM
9PM

TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

4/10

Test Ticket

NO. 041336 15150

Well Name & No. Dreiling #3 Test No. 1 Date 12/5/10

Company Jason Oil Operation Elevation 1993 KB 1983 GL

Address PO Box 701 Russell KS 67665

Co. Rep / Geo. Herb Deines Rig Southwind #1

Location: Sec. 34 Twp. 11 Rge. 17 Co. Ellis State KS

Interval Tested 3464-3490 Zone Tested Arbuckle

Anchor Length 26 Drill Pipe Run 3476 Mud Wt. 9.3

Top Packer Depth 3459 Drill Collars Run — Vis 48

Bottom Packer Depth 3464 Wt. Pipe Run — WL 8.0

Total Depth 3490 Chlorides 4000 ppm System LCM 2½

Blow Description IF - BOB in 2½ min

ISI - No blow

FF - 2¼ in blow

FSI - 4½ in blow died back to 4 in

Rec	30	Feet of	Mud	%gas		%oil		%water	%mud
Rec	210	Feet of	VSOCW	%gas	5	%oil	95	%water	%mud
Rec	120	Feet of	SOCW	%gas	05	%oil		%water	85 %mud
Rec	290	Feet of	VSGWOCM	5 %gas	10	%oil	5	%water	80 %mud
Rec		Feet of		%gas		%oil		%water	%mud

Rec Total 650 BHT 105 Gravity ____ API RW ____ @ ____ °F Chlorides ____ ppm

(A) Initial Hydrostatic 1726

(B) First Initial Flow 64

(C) First Final Flow 232

(D) Initial Shut-In 354

(E) Second Initial Flow 350

(F) Second Final Flow 255

(G) Final Shut-In 354

(H) Final Hydrostatic 1690

Initial Open 15

Initial Shut-In 30

Final Flow 30

Final Shut-In 30

- [x] Test 1125
- [ ] Jars
- [ ] Safety Joint
- [ ] Circ Sub
- [ ] Hourly Standby
- [x] Mileage 23 x 2 x 2 = 92 RT (46 RT)
- [ ] Sampler 115
- [ ] Straddle
- [ ] Shale Packer
- [ ] Extra Packer
- [ ] Extra Recorder
- [ ] Day Standby
- [ ] Accessibility

Sub Total 1240

T-On Location 14:45

T-Started 15:40

T-Open 17:28

T-Pulled 19:13

T-Out 21:00

Comments Pickup Tools

- [ ] Ruined Shale Packer
- [ ] Ruined Packer
- [ ] Extra Copies

Sub Total 0

Total 1240

MP/DST Disc't

Approved By ____ Our Representative Bud Deines

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