

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Prairie Resources, Inc.**

1016 Amanda Pines Dr
Parker, CO 80138

ATTN: Doug Davis

14-31s-13w Barber KS

Packard #1-14

Start Date: 2001.08.08 @ 04:38:01
End Date: 2001.08.08 @ 13:14:01
Job Ticket #: 14978 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: 14978 **DST#: 1**

Test Start: 2001.08.08 @ 04:38:01

GENERAL INFORMATION:

Formation: **Douglas Sd.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:56:31
Time Test Ended: 13:14:01

Test Type: Conventional Straddle
Tester: Darren L.Amerine
Unit No: 19

Interval: 3606.00 ft (KB) To 3660.00 ft (KB) (TVD)
Total Depth: 3690.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

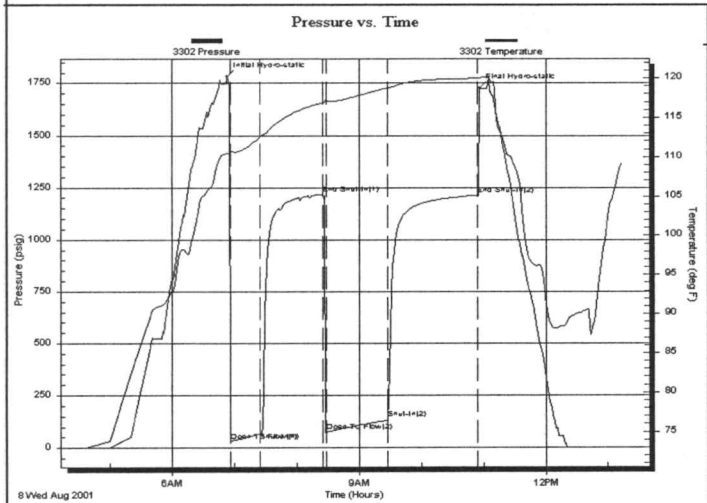
Reference Elevations: 1621.00 ft (KB)
1613.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 3302 **Inside**

Press@RunDepth: 133.25 psig @ 3615.00 ft (KB)
Start Date: 2001.08.08 End Date: 2001.08.08
Start Time: 04:38:03 End Time: 13:14:01

Capacity: 7000.00 psig
Last Calib.: 2001.08.08
Time On Btm: 2001.08.08 @ 06:53:01
Time Off Btm: 2001.08.08 @ 10:56:01

TEST COMMENT: IF:Weak blow built to 7"in H20 bucket.
ISI:Bled dow n for 2 mins.built back to w eak surface blow .
FF:Weak blow bult to b.o.b in 15 mins.
FSI:Bled dow n for 10 mins built back to 1/4" in H2O bucket.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1780.37	110.46	Initial Hydro-static
4	29.90	110.61	Open To Flow (1)
32	68.56	112.55	Shut-In(1)
92	1218.20	116.88	End Shut-In(1)
95	73.34	117.10	Open To Flow (2)
155	133.25	118.77	Shut-In(2)
241	1212.33	119.98	End Shut-In(2)
243	1725.17	120.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	402 - Mud and Gas cut Salt Water	2.52
45.00	353 - Mud cut Salt Water	0.63
670.00	01 - Gas	9.40

Gas Rates

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

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TOOL DIAGRAM

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Job Ticket: 14978 **DST#: 1**

Test Start: 2001.08.08 @ 04:38:01

Tool Information

Drill Pipe:	Length:	3605.00 ft	Diameter:	3.80 inches	Volume:	50.57 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
					Total Volume:	50.57 bbl	

Drill Pipe Above KB:	27.00 ft
Depth to Top Packer:	3606.00 ft
Depth to Bottom Packer:	3660.00 ft
Interval betw een Packers:	54.00 ft
Tool Length:	117.00 ft
Number of Packers:	3
Diameter:	6.75 inches

Tool Weight:	2100.00 lb
Weight set on Packer:	20000.00 lb
Weight to Pull Loose:	60000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	45000.00 lb
Final	48000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
C.O. Sub	1.00			3579.00		
S.I. Tool	5.00			3584.00		
HMV	5.00			3589.00		
Jars	5.00			3594.00		
Safety Joint	2.00			3596.00		
Packer	5.00			3601.00	28.00	Bottom Of Top Packer
Packer	5.00			3606.00		
Stubb	1.00			3607.00		
Anchor	8.00			3615.00		
Recorder	0.00	3302	Inside	3615.00		
Blank Spacing	32.00			3647.00		
Recorder	0.00	10991	Outside	3647.00		
Anchor	13.00			3660.00	54.00	Tool Interval
Packer	5.00			3665.00		
Stubb	1.00			3666.00		
Anchor	26.00			3692.00		
Recorder	0.00	13769	Below	3692.00		
Bullnose	3.00			3695.00	35.00	Bottom Packers & Anchor
Total Tool Length:	**117.00**					

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FLUID SUMMARY

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Job Ticket: 14978 **DST#: 1**

Test Start: 2001.08.08 @ 04:38:01

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:	115000 ppm
Viscosity:	56.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	15.17 in³	Gas Cushion Type:			
Resistivity:	0.10 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5600.00 ppm				
Filter Cake:	0.32 inches				

Recovery Information

Recovery Table

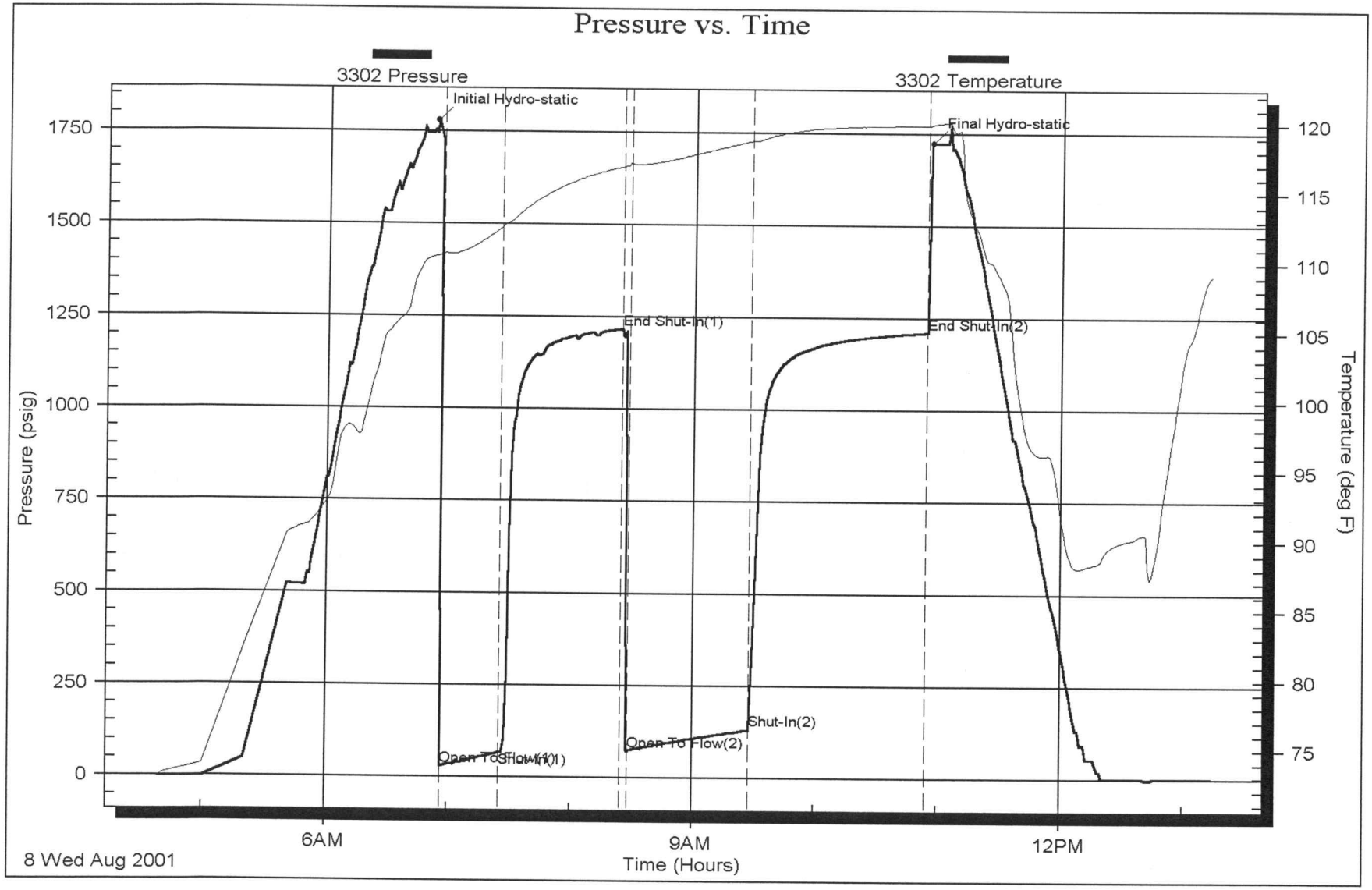
Length ft	Description	Volume bbl
180.00	402 - Mud and Gas cut Salt Water	2.525
45.00	353 - Mud cut Salt Water	0.631
670.00	01 - Gas	9.398

Total Length: 895.00 ft Total Volume: 12.554 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: .05@100 degrees


Pressure vs. Time
3302 Pressure
3302 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(2)
Open To Flow(2)
Pressure (psig)
Temperature (deg F)
1750
1500
1250
1000
750
500
250
0
120
115
110
105
100
95
90
85
80
75
6AM
9AM
12PM
Time (Hours)
8 Wed Aug 2001