30-33-15W

CONFIDENTIAL

CONFIDENTIAL

ORIGINAL



TRILOBITE TESTING, INC.

RELEASED

OCT 0 7 2002

FROM CONFIDENTIAL

DRILL STEM TEST REPORT

Prepared For: **Hummon Corp.**

950 N.Tyler
Wichita Ks. 67212

ATTN: Arden Ratzlaff

30-33s-15w Barber K

Platt #1-30

Start Date: 2001.05.23 @ 07:02:50

End Date: 2001.05.23 @ 17:14:19

Job Ticket #: 14053 DST #: 1

RECEIVED

AUG 2 4 2001

KCC WICHITA

Hummon Corp. Platt #1-30 30-33s-15w Barber K DST # 1 Miss. 2001.05.23

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

CONFIDENTIAL ORIGINAL

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Hummon Corp.

950 N.Tyler
Wichita Ks. 67212

ATTN: Arden Ratzlaff

Platt #1-30

Barber K

Job Ticket: 14053 DST#: 1

Test Start: 2001.05.23 @ 07:02:50

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:58:19
Time Test Ended: 17:14:19

RELEASED
OCT 07 2002
FROM CONFIDENTIAL

Test Type: Conventional Bottom Hole
Tester: Gary Pevoteaux
Unit No: 13

Interval: **4791.00 ft (KB) To 4852.00 ft (KB) (TVD)**
Total Depth: 4852.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

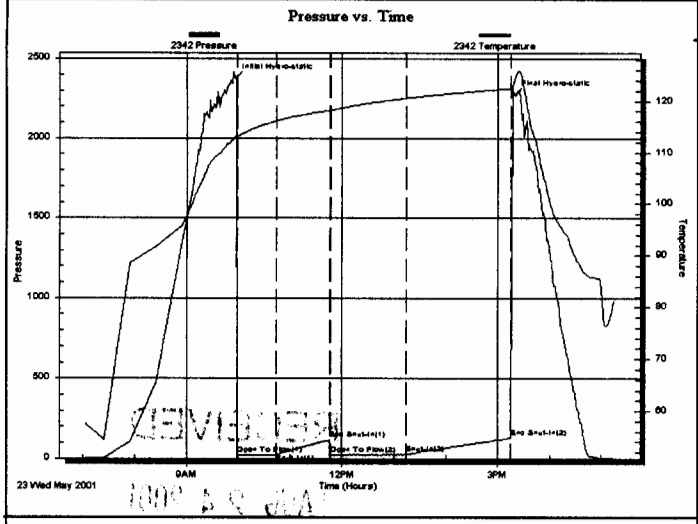
Reference Elevations: 1710.00 ft (KB)
1702.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 2342 **Inside**

Press@RunDepth: 25.76 psig @ 4792.00 ft (KB)
Start Date: 2001.05.23 End Date: 2001.05.23
Start Time: 07:02:50 End Time: 17:14:19

Capacity: 7000.00 psig
Last Calib.: 2001.01.04
Time On Btm: 2001.05.23 @ 09:56:49
Time Off Btm: 2001.05.23 @ 15:18:49

TEST COMMENT: IF:Weak to fair blow . Slow increase to 8".
ISI:No blow .
FF:Fair blow . 4 - 9".
FSI:No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2378.17	113.05	Initial Hydro-static
2	22.23	113.23	Open To Flow (1)
48	25.17	116.12	Shut-In(1)
109	115.90	118.18	End Shut-In(1)
110	21.31	118.20	Open To Flow (2)
198	25.76	120.56	Shut-In(2)
319	129.74	122.46	End Shut-In(2)
322	2275.53	124.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Drilling mud	0.28
0.00	285 Ft of gas in pipe	0.00

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hummon Corp.

950 N.Tyler
Wichita Ks. 67212

ATTN: Arden Ratzlaff

Platt #1-30

30-33s-15w Barber K

Job Ticket: 14053 **DST#: 1**

Test Start: 2001.05.23 @ 07:02:50

Tool Information

Drill Pipe:	Length:	4781.00 ft	Diameter:	3.80 inches	Volume:	67.06 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:	67.06 bbl	

Drill Pipe Above KB:	12.00 ft
Depth to Top Packer:	4791.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	61.00 ft
Tool Length:	83.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2100.00 lb
Weight set on Packer:	20000.00 lb
Weight to Pull Loose:	66000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	56000.00 lb
Final	57000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
C.O. Sub	1.00			4770.00		
S.I. Tool	5.00			4775.00		
HMV	5.00			4780.00		
Safety Joint	2.00			4782.00		
Packer	4.00			4786.00	22.00	Bottom Of Top Packer
Packer	5.00			4791.00		
Stubb	1.00			4792.00		
Recorder	0.00	2342	Inside	4792.00		
Perforations	2.00			4794.00		
C.O. Sub	1.00			4795.00		
Blank Spacing	32.00			4827.00		
C.O. Sub	1.00			4828.00		
Perforations	19.00			4847.00		
Recorder	0.00	10248	Outside	4847.00		
Bullnose	5.00			4852.00	61.00	Bottom Packers & Anchor
Total Tool Length:	**83.00**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Hummon Corp.

950 N.Tyler
Wichita Ks. 67212

ATTN: Arden Ratzlaff

Platt #1-30

30-33s-15w Barber K

Job Ticket: 14053 **DST#: 1**

Test Start: 2001.05.23 @ 07:02:50

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:	5000 ppm
Viscosity:	60.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.33 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

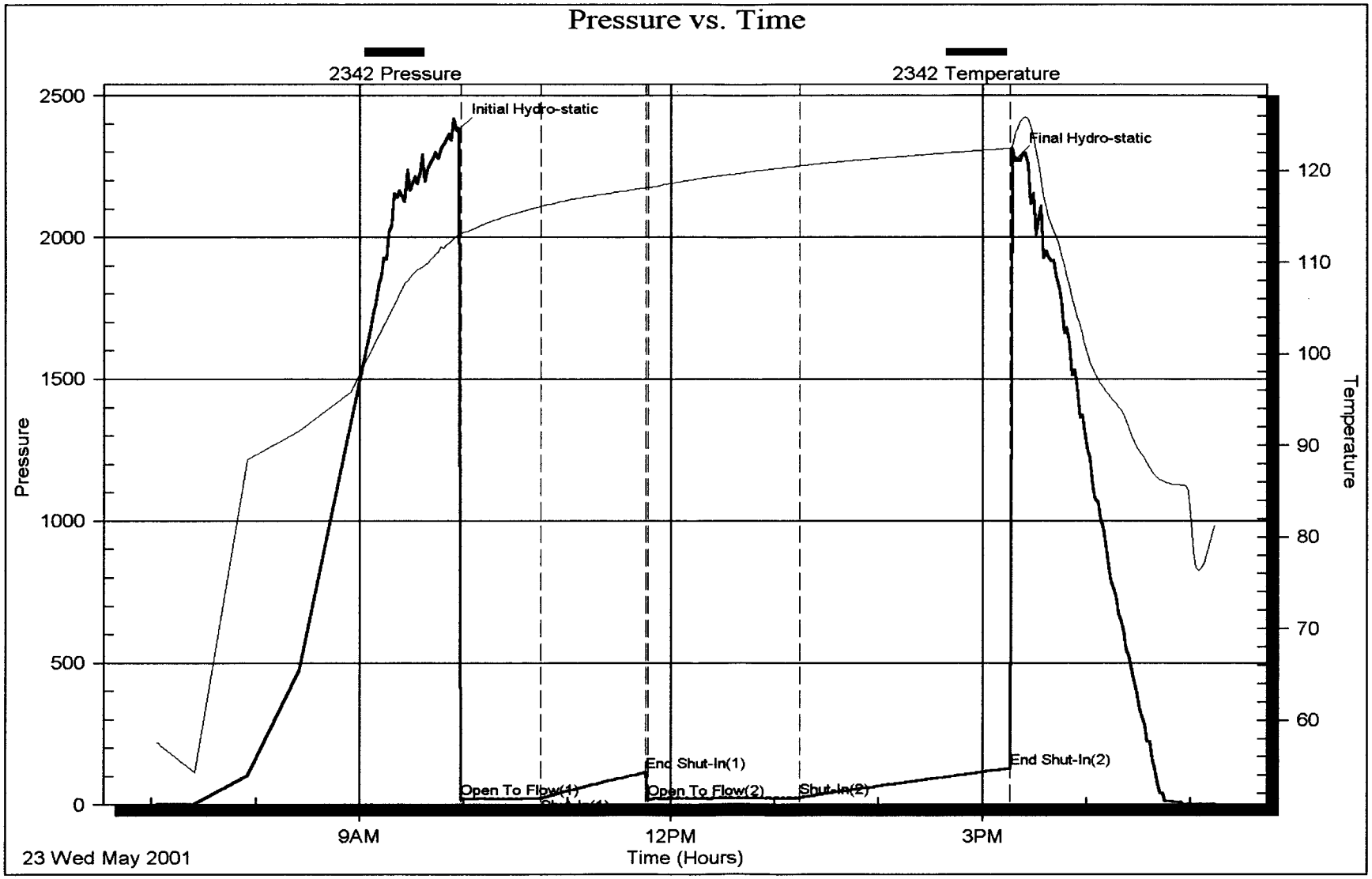
Length ft	Description	Volume bbl
20.00	Drilling mud	0.281
0.00	285 Ft of gas in pipe	0.000

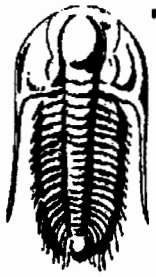
Total Length: 20.00 ft Total Volume: 0.281 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
2342 Pressure
2342 Temperature
Initial Hydro-static
Final Hydro-static
Open To Flow(1)
End Shut-In(1)
Open To Flow(2)
Shut-In(2)
End Shut-In(2)
2500
2000
1500
1000
500
0
Pressure
120
110
100
90
80
70
60
Temperature
9AM
12PM
3PM
23 Wed May 2001
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Hummon Corp.**

950 N.Tyler
Wichita Ks. 67212

ATTN: Arden Ratzlaff

30-33s-15w Barber K

Platt #1-30

Start Date: 2001.05.25 @ 07:55:54
End Date: 2001.05.25 @ 17:39:53
Job Ticket #: 14054 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Hummon Corp.

950 N.Tyler
Wichita Ks. 67212

ATTN: Arden Ratzlaff

Platt #1-30

30-33s-15w Barber K

Job Ticket: 14054 **DST#: 2**

Test Start: 2001.05.25 @ 07:55:54

GENERAL INFORMATION:

Formation: **Viola**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:07:53
Time Test Ended: 17:39:53

Test Type: Conventional Bottom Hole
Tester: Gary Pevoteaux
Unit No: 13

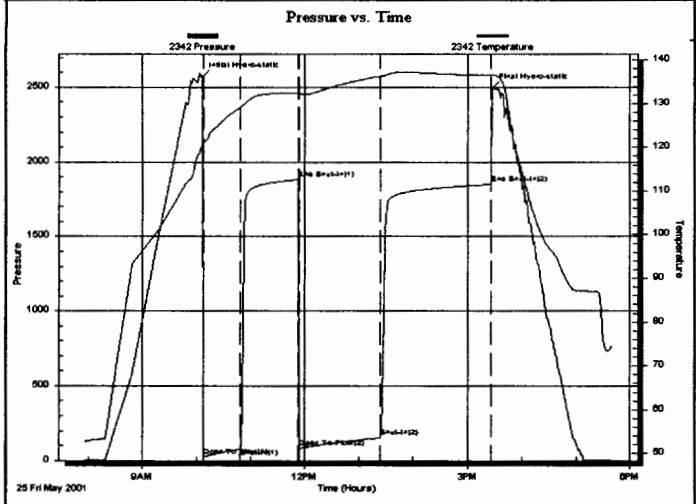
Interval: 5144.00 ft (KB) To 5172.00 ft (KB) (TVD)
Total Depth: 5172.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1710.00 ft (KB)
1702.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 2342 **Inside**
Press@RunDepth: 154.08 psig @ 5145.00 ft (KB)
Start Date: 2001.05.25 End Date: 2001.05.25
Start Time: 07:55:54 End Time: 17:39:53

Capacity: 7000.00 psig
Last Calib.: 2001.01.04
Time On Btm: 2001.05.25 @ 10:06:23
Time Off Btm: 2001.05.25 @ 15:27:23

TEST COMMENT: IF:Fair to strong blow . B.O.B. in 40 mins.
ISI:No blow .
FF:Weak to fair blow . Slow increase to 9".
FSI:No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2571.71	120.64	Initial Hydro-static
2	26.18	121.10	Open To Flow (1)
43	76.62	129.11	Shut-In(1)
106	1880.73	132.53	End Shut-In(1)
107	80.48	132.44	Open To Flow (2)
197	154.08	136.24	Shut-In(2)
320	1849.34	136.51	End Shut-In(2)
321	2492.48	136.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
250.00	MW with specs of oil 95%W 5%M	3.51
25.00	SOCWM 5%O 35%W 60%M	0.35

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hummon Corp.

950 N.Tyler
Wichita Ks. 67212

ATTN: Arden Ratzlaff

Platt #1-30

30-33s-15w Barber K

Job Ticket: 14054 **DST#: 2**

Test Start: 2001.05.25 @ 07:55:54

Tool Information

Drill Pipe:	Length:	5125.00 ft	Diameter:	3.80 inches	Volume:	71.89 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:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:		67000.00 lb
					Total Volume:	71.89 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		3.00 ft					String Weight:	Initial	58000.00 lb
Depth to Top Packer:		5144.00 ft						Final	60000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		28.00 ft							
Tool Length:		50.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
C.O. Sub	1.00			5123.00		
S.I. Tool	5.00			5128.00		
HMV	5.00			5133.00		
Safety Joint	2.00			5135.00		
Packer	4.00			5139.00	22.00	Bottom Of Top Packer
Packer	5.00			5144.00		
Stubb	1.00			5145.00		
Recorder	0.00	2342	Inside	5145.00		
Perforations	22.00			5167.00		
Recorder	0.00	10248	Outside	5167.00		
Bullnose	5.00			5172.00	28.00	Bottom Packers & Anchor
Total Tool Length:	**50.00**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Hummon Corp.

950 N.Tyler
Wichita Ks. 67212

ATTN: Arden Ratzlaff

Platt #1-30

30-33s-15w Barber K

Job Ticket: 14054 **DST#: 2**

Test Start: 2001.05.25 @ 07:55:54

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:	89000 ppm
Viscosity:	65.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.33 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

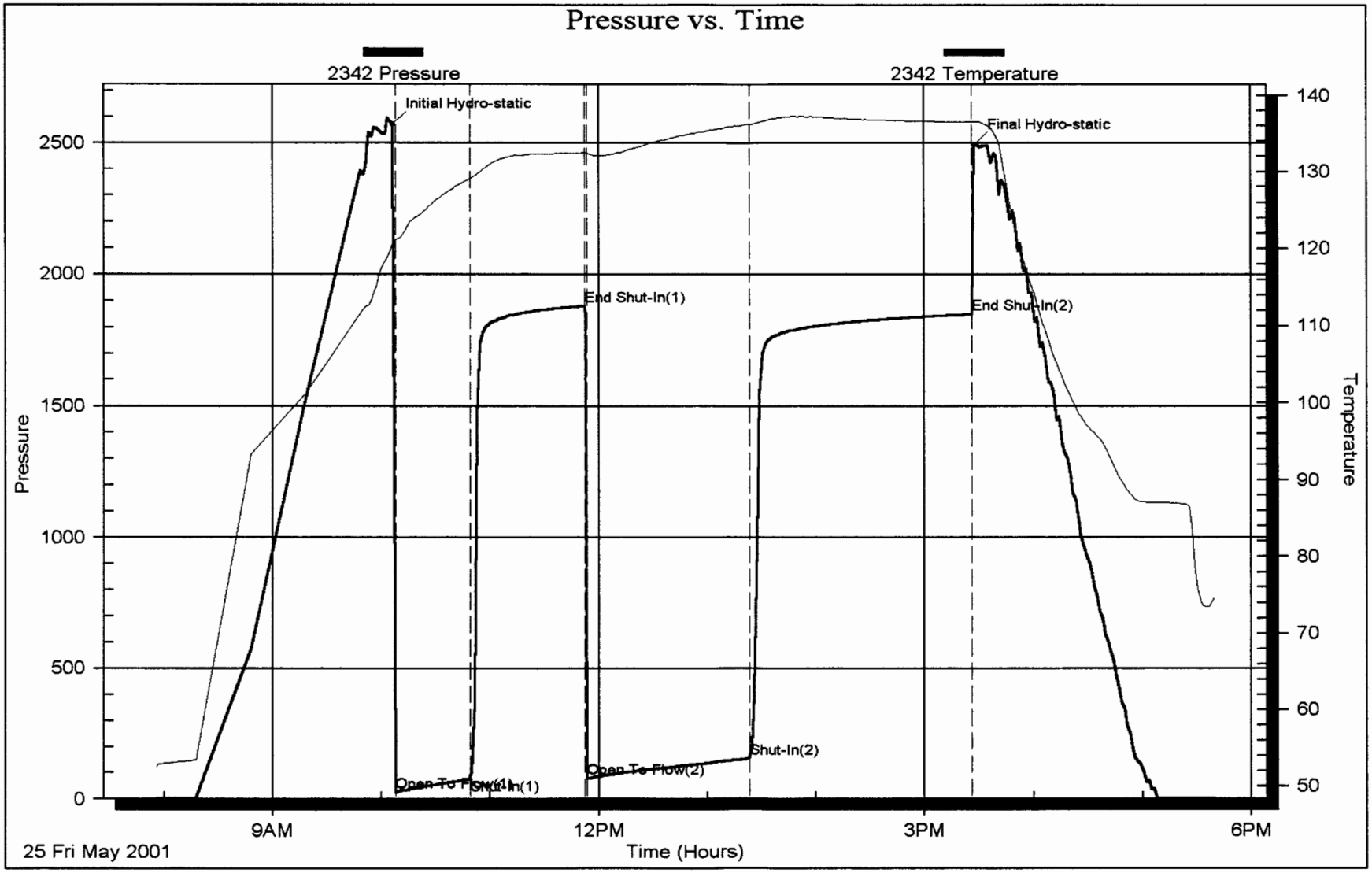
Length ft	Description	Volume bbl
250.00	MW w ith specs of oil 95%W 5%M	3.507
25.00	SOCWM 5%O 35%W 60%M	0.351

Total Length: 275.00 ft Total Volume: 3.858 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
2342 Pressure
2342 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(2)
Open To Flow(2)
Pressure
Temperature
2500
2000
1500
1000
500
0
140
130
120
110
100
90
80
70
60
50
9AM
12PM
3PM
6PM
25 Fri May 2001
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Hummon Corp.**

950 N.Tyler
Wichita Ks. 67212

ATTN: Arden Ratzlaff

30-33s-15w Barber K

Platt #1-30

Start Date: 2001.05.27 @ 04:23:28

End Date: 2001.05.27 @ 15:01:57

Job Ticket #: 14055 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

DRILL STEM TEST REPORT

Hummon Corp.

950 N.Tyler
Wichita Ks. 67212

ATTN: Arden Ratzlaff

Platt #1-30

30-33s-15w Barber K

Job Ticket: 14055 **DST#: 3**

Test Start: 2001.05.27 @ 04:23:28

GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:35:57
Time Test Ended: 15:01:57

Test Type: Conventional Straddle
Tester: Gary Pevoteaux
Unit No: 13

Interval: 4750.00 ft (KB) To 4860.00 ft (KB) (TVD)
Total Depth: 5331.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

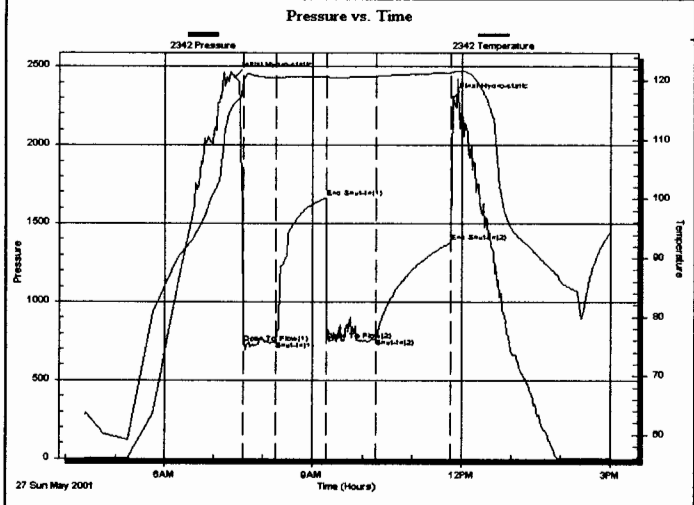
Reference Elevations: 1710.00 ft (KB)
1702.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 2342 **Inside**

Press@RunDepth: 761.55 psig @ 4751.00 ft (KB)
Start Date: 2001.05.27 End Date: 2001.05.27
Start Time: 04:23:28 End Time: 15:01:57

Capacity: 7000.00 psig
Last Calib.: 2001.01.04
Time On Btm: 2001.05.27 @ 07:25:57
Time Off Btm: 2001.05.27 @ 11:48:57

TEST COMMENT: IF:Strong blow . B.O.B. in 15 secs. Blow started to rapidly decrease after qpprox. 10 mins. 5 - 6" after 45 mins.
ISI:No blow .
FF:Very w eak surging blow . (1/4" or less)
FSI:No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2434.15	116.34	Initial Hydro-static
10	729.91	119.88	Open To Flow (1)
50	740.82	120.55	Shut-In(1)
111	1662.10	120.72	End Shut-In(1)
111	747.87	120.69	Open To Flow (2)
170	761.55	120.78	Shut-In(2)
261	1377.50	121.43	End Shut-In(2)
263	2302.89	121.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1450.00	Drilling mud	20.34

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hummon Corp.

950 N.Tyler
Wichita Ks. 67212

ATTN: Arden Ratzlaff

Platt #1-30

30-33s-15w Barber K

Job Ticket: 14055 **DST#: 3**

Test Start: 2001.05.27 @ 04:23:28

Tool Information

Drill Pipe:	Length:	4752.00 ft	Diameter:	3.80 inches	Volume:	66.66 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:		23000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:		88000.00 lb
					Total Volume:	66.66 bbl	Tool Chased		3.00 ft
Drill Pipe Above KB:		24.00 ft					String Weight:	Initial	60000.00 lb
Depth to Top Packer:		4750.00 ft						Final	65000.00 lb
Depth to Bottom Packer:		4860.00 ft							
Interval betw een Packers:		110.00 ft							
Tool Length:		603.00 ft							
Number of Packers:		3	Diameter:	6.75 inches					

Tool Comments:
Sid tool 2 - 3 ft. to btm.

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
C.O. Sub	1.00			4729.00		
S.I. Tool	5.00			4734.00		
HMV	5.00			4739.00		
Safety Joint	2.00			4741.00		
Packer	4.00			4745.00	22.00	Bottom Of Top Packer
Packer	5.00			4750.00		
Stubb	1.00			4751.00		
Recorder	0.00	2342	Inside	4751.00		
Perforations	1.00			4752.00		
C.O. Sub	1.00			4753.00		
Blank Spacing	94.00			4847.00		
C.O. Sub	1.00			4848.00		
Perforations	8.00			4856.00		
Recorder	0.00	13789	Outside	4856.00		
Blank Off Sub	1.00			4857.00		
T.C.	3.00			4860.00	110.00	Tool Interval
Packer	0.00			4860.00		
Stubb	1.00			4861.00		
C.O. Sub	1.00			4862.00		
Blank Spacing	466.00			5328.00		
C.O. Sub	1.00			5329.00		
Recorder	0.00	10248	Below	5329.00		
Bullnose	2.00			5331.00	471.00	Bottom Packers & Anchor
Total Tool Length:	**603.00**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Hummon Corp.

950 N.Tyler
Wichita Ks. 67212

ATTN: Arden Ratzlaff

Platt #1-30

30-33s-15w Barber K

Job Ticket: 14055 **DST#: 3**

Test Start: 2001.05.27 @ 04:23:28

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:	6000 ppm
Viscosity:	54.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.95 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	6000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

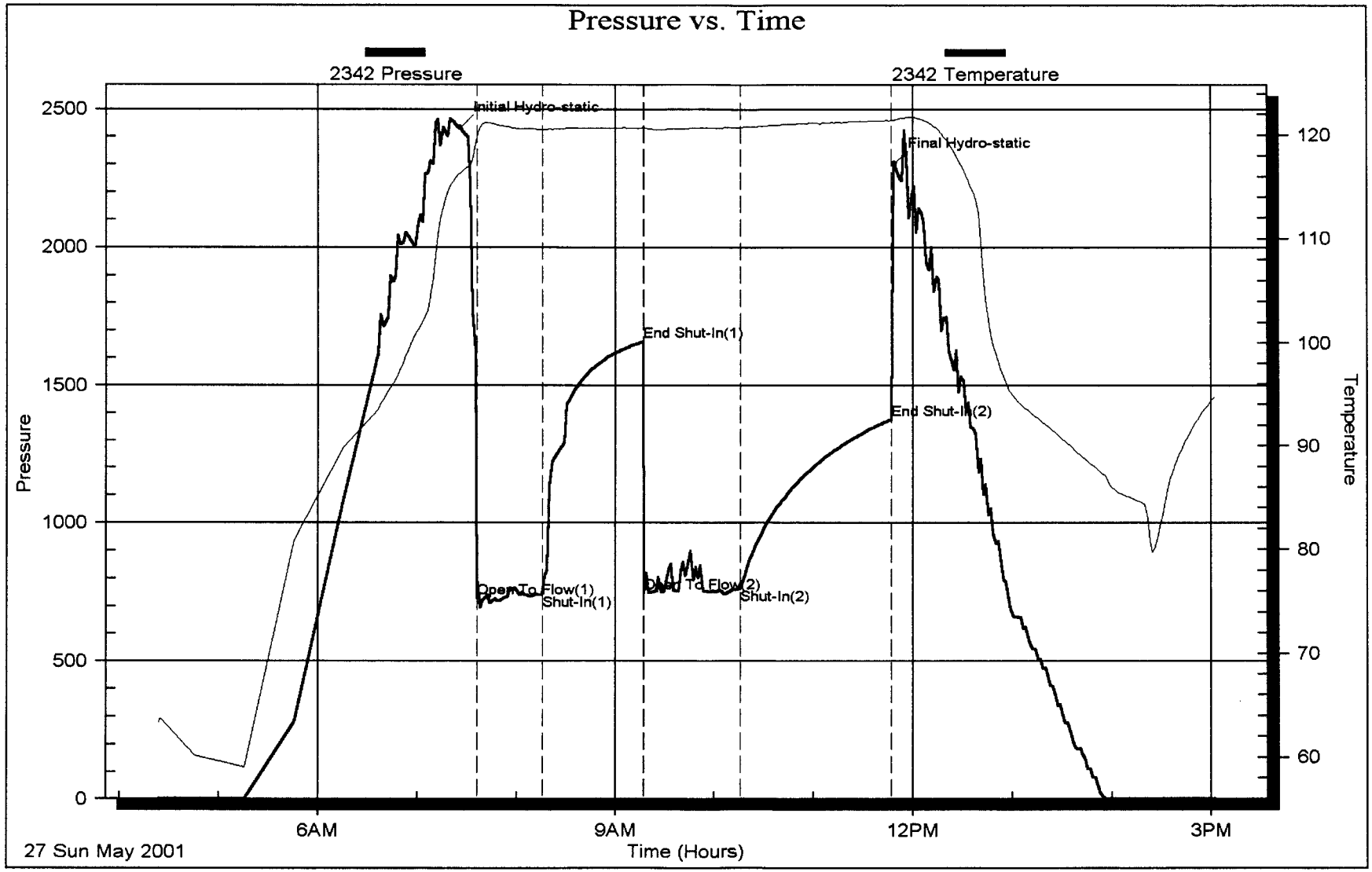
Length ft	Description	Volume bbl
1450.00	Drilling mud	20.340

Total Length: 1450.00 ft Total Volume: 20.340 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: LCM 8#/bl


Pressure vs. Time
2342 Pressure
2342 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
Temperature
2500
2000
1500
1000
500
0
120
110
100
90
80
70
60
6AM
9AM
12PM
3PM
27 Sun May 2001
Time (Hours)