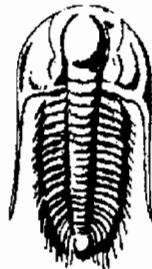


Release
JUN 26 2003
From
Confidential

CONFIDENTIAL



TRILOBITE
TESTING INC.
KCC

SEP 05 2001

CONFIDENTIAL

DRILL STEM TEST REPORT

Prepared For: **Hummon Corp.**

Wichita KS 67212

KCC

SEP 05 2001

CONFIDENTIAL

ATTN: Arden Ratzlaff

28-33S-15W Barber

Platt "1-28"

Start Date: 2001.05.13 @ 05:02:32

End Date: 2001.05.13 @ 12:43:47

Job Ticket #: 14089

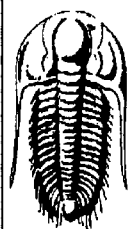
DST #: 1

RECEIVED

SEP 06 2001

KCC WICHITA

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


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Hummon Corp.

Wichita KS 67212

ATTN: Arden Ratzlaff

Platt "1-28"

28-33S-15W Barber

Job Ticket: 14089

DST#: 1

Test Start: 2001.05.13 @ 05:02:32

GENERAL INFORMATION:

Formation: **Douglass Sd.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:52:32

Time Test Ended: 12:43:47

Test Type: Conventional Bottom Hole

Tester: Lanny Saloga

Unit No: 14

Interval: **4064.00 ft (KB) To 4100.00 ft (KB) (TVD)**

Total Depth: 4100.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1793.00 ft (KB)

1782.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 3289 Inside

Press@RunDepth: 93.67 psig @ 4070.00 ft (KB)

Start Date: 2001.05.13

End Date: 2001.05.13

Start Time: 05:02:37

End Time: 12:43:46

Capacity: 7000.00 psig

Last Calib.: 2001.05.22

Time On Btm: 2001.05.13 @ 06:47:02

Time Off Btm: 2001.05.13 @ 10:41:47

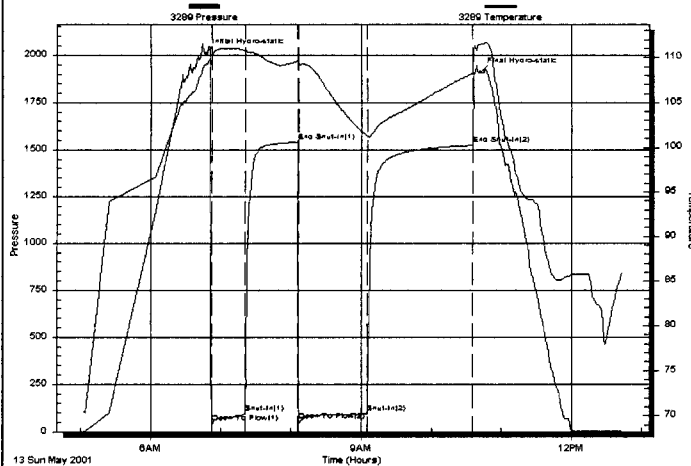
TEST COMMENT: Strong OBB in 30 sec. GTS in 9 min. See flow chart. I.F.P.

No blow-back. I.S.I.P.

See flow chart. F.F.P. Gas burned.

No blow-back. F.S.I.P.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2008.70	109.24	Initial Hydro-static
6	45.33	110.25	Open To Flow (1)
34	93.19	110.75	Shut-In(1)
79	1540.40	109.57	End Shut-In(1)
80	55.66	109.49	Open To Flow (2)
138	93.67	101.27	Shut-In(2)
229	1523.50	108.21	End Shut-In(2)
235	1908.12	111.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	3985 Ft. GIP	0.00
80.00	Gas cut Mud 13%G 87%M	0.39

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	5.00	130.87
Last Gas Rate	0.50	26.00	272.53
Max. Gas Rate	0.50	26.00	272.53



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hummon Corp.

Platt "1-28"

Wichita KS 67212

28-33S-15W Barber

Job Ticket: 14089

DST#: 1

ATTN: Arden Ratzlaff

Test Start: 2001.05.13 @ 05:02:32

Tool Information

Drill Pipe:	Length: 3943.00 ft	Diameter: 3.80 inches	Volume: 55.31 bbl	Tool Weight:	1800.00 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: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	13000.00 lb
		Total Volume:	55.91 bbl	Tool Chased	ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial	56000.00 lb
Depth to Top Packer:	4064.00 ft			Final	57000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	36.00 ft				
Tool Length:	58.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

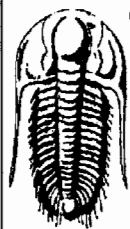
Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

C.O. Sub	1.00			4043.00	
S.I. Tool	5.00			4048.00	
HMV	5.00			4053.00	
Safety Joint	2.00			4055.00	
Packer	4.00			4059.00	22.00 Bottom Of Top Packer
Packer	5.00			4064.00	
Stubb	1.00			4065.00	
Perforations	5.00			4070.00	
Recorder	0.00	3289	Inside	4070.00	
Perforations	28.00			4098.00	
Recorder	0.00	10242	Outside	4098.00	
Bullnose	2.00			4100.00	36.00 Bottom Packers & Anchor

Total Tool Length: 58.00

RECEIVED
SEP 0.6 2001
KCC WICHITA


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hummon Corp.

Platt "1-28"

Wichita KS 67212

28-33S-15W Barber

Job Ticket: 14089

DST#: 1

ATTN: Arden Ratzlaff

Test Start: 2001.05.13 @ 05:02:32

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: 59.00 sec/qt

Cushion Volume:

bbl

Water Loss: 12.89 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
0.00	3985 Ft. GIP	0.000
80.00	Gas cut Mud 13%G 87%M	0.393

Total Length: 80.00 ft

Total Volume: 0.393 bbl

Num Fluid Samples: 1

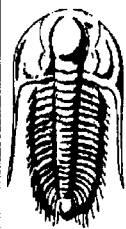
Num Gas Bombs: 1

Serial #: 1

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Hummon Corp.

Platt "1-28"

Wichita KS 67212

28-33S-15W Barber

Job Ticket: 14089

DST#: 1

ATTN: Arden Ratzlaff

Test Start: 2001.05.13 @ 05:02:32

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

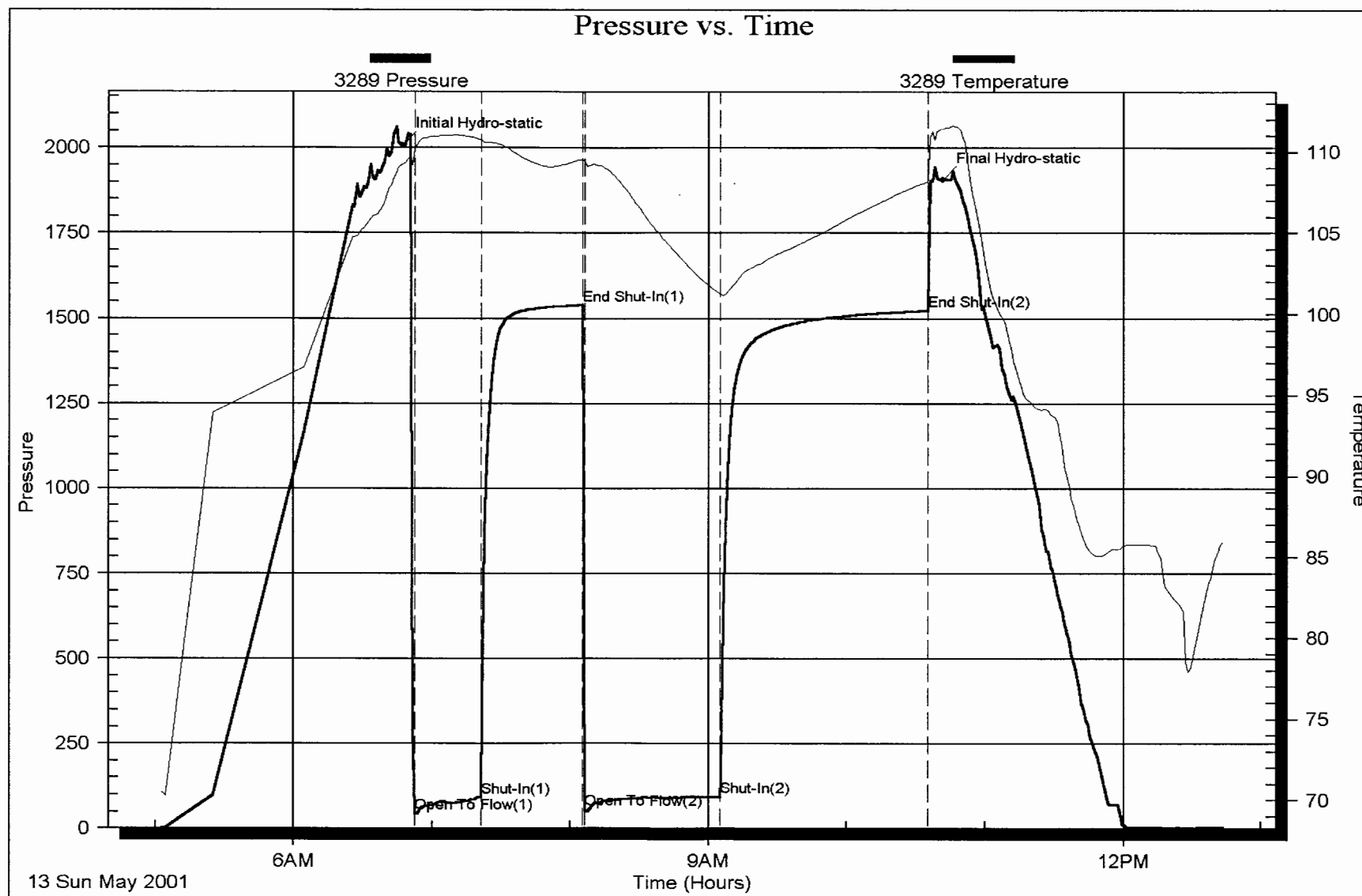
Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	15	0.50	5.00	130.87
1	15	0.50	5.00	130.87
1	20	0.50	9.60	161.90
1	30	0.50	16.00	205.07
2	10	0.50	18.00	218.56
2	20	0.50	24.00	259.04
2	30	0.50	25.00	265.78
2	40	0.50	26.00	272.53
2	50	0.50	26.00	272.53

RECEIVED

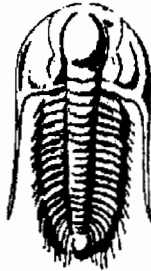
SEP 06 2001

KCC WICHITA

29962



CONFIDENTIAL



TRILOBITE
TESTING, INC.

ORIGINAL

DRILL STEM TEST REPORT

Prepared For: **Hummon Corp.**

Wichita KS 67212

ATTN: Arden Ratzlaff

28-33S-15W Barber

Platt "1-28"

Start Date: 2001.05.14 @ 12:20:36

End Date: 2001.05.14 @ 20:49:51

Job Ticket #: 14090

DST #: 2

KCC

SEP 05 2001

CONFIDENTIAL

RECEIVED

SEP 06 2001

KCC WICHITA

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

79962



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Hummmon Corp.
Wichita KS 67212

ATTN: Arden Ratzlaff

Platt "1-28"

28-33S-15W Barber

Job Ticket: 14090

DST#: 2

Test Start: 2001.05.14 @ 12:20:36

GENERAL INFORMATION:

Formation: **Drum**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:22:06

Time Test Ended: 20:49:51

Test Type: Conventional Bottom Hole

Tester: Lanny Saloga

Unit No: 14

Interval: **4453.00 ft (KB) To 4472.00 ft (KB) (TVD)**

Total Depth: 4100.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 1793.00 ft (KB)

1782.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 3289

Inside

Press@RunDepth: 113.80 psig @ 4459.00 ft (KB)

Start Date: 2001.05.14

End Date: 2001.05.14

Start Time: 12:20:41

End Time: 20:49:50

Capacity: 7000.00 psig

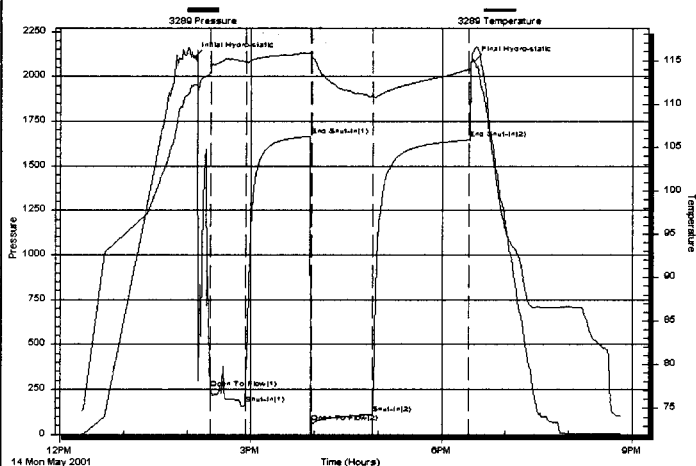
Last Calib.: 2001.01.22

Time On Btm: 2001.05.14 @ 14:06:36

Time Off Btm: 2001.05.14 @ 18:30:36

TEST COMMENT: 1" to strong OBB in 8 min. GTS in 20 min. See flow chart. I.F.P.
1/2" blow-back. I.S.I.P. "Slid 7 ft. to bottom w hen tool set."
See flow chart. F.F.P. " Gas burned."
5" blow-back. F.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2106.81	112.19	Initial Hydro-static
16	249.12	114.32	Open To Flow (1)
49	166.27	114.83	Shut-In(1)
110	1666.59	115.89	End Shut-In(1)
111	64.41	115.61	Open To Flow (2)
169	113.80	110.92	Shut-In(2)
260	1646.74	113.95	End Shut-In(2)
264	2087.36	116.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	4250 Ft. GIP	0.00
30.00	Oil & Gas cut Mud 14%G 10%O 76%M	0.15
125.00	Hvy O&G cut Wtry Mud 22%G 15%O 30%O.9233%	
60.00	Sli Oil cut Muddy Wtr 3%O 82%W 15%M0.84	
0.00	Rec Wtr RW 0.36 at 72 F. 18,300 PPM	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	8.60	36.49
Last Gas Rate	0.25	29.00	68.85
Max. Gas Rate	0.25	29.00	68.85



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hummon Corp.

Platt "1-28"

Wichita KS 67212

28-33S-15W Barber

Job Ticket: 14090

DST#: 2

ATTN: Arden Ratzlaff

Test Start: 2001.05.14 @ 12:20:36

Tool Information

Drill Pipe:	Length: 4343.00 ft	Diameter: 3.80 inches	Volume: 60.92 bbl	Tool Weight:	1800.00 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: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	10000.00 lb
		Total Volume:	61.52 bbl	Tool Chased	ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial	58000.00 lb
Depth to Top Packer:	4453.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	19.00 ft				
Tool Length:	41.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

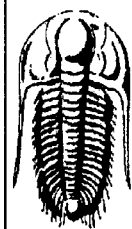
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			4432.00	
S.I. Tool	5.00			4437.00	
HMV	5.00			4442.00	
Safety Joint	2.00			4444.00	
Packer	4.00			4448.00	22.00 Bottom Of Top Packer
Packer	5.00			4453.00	
Stubb	1.00			4454.00	
Perforations	5.00			4459.00	
Recorder	0.00	3289	Inside	4459.00	
Perforations	11.00			4470.00	
Recorder	0.00	10242	Outside	4470.00	
Bullnose	2.00			4472.00	19.00 Bottom Packers & Anchor

Total Tool Length: 41.00

RECEIVED

SEP 06 2001

KCC WICHITA


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hummon Corp.

Platt "1-28"

Wichita KS 67212

28-33S-15W Barber

Job Ticket: 14090

DST#: 2

ATTN: Arden Ratzlaff

Test Start: 2001.05.14 @ 12:20:36

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:

18300 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.12 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
0.00	4250 Ft. GIP	0.000
30.00	Oil & Gas cut Mud 14%G 10%O 76%M	0.148
125.00	Hvy O&G cut Wtry Mud 22%G 15%O 30%W	0.915
60.00	Sli Oil cut Muddy Wtr 3%O 82%W 15%M	0.842
0.00	Rec Wtr RW 0.36 at 72 F. 18,300 PPM	0.000

Total Length: 215.00 ft

Total Volume: 1.905 bbl

Num Fluid Samples: 1

Num Gas Bombs: 2

Serial #: 2

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Hummon Corp.

Platt "1-28"

Wichita KS 67212

28-33S-15W Barber

Job Ticket: 14090

DST#: 2

ATTN: Arden Ratzlaff

Test Start: 2001.05.14 @ 12:20:36

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

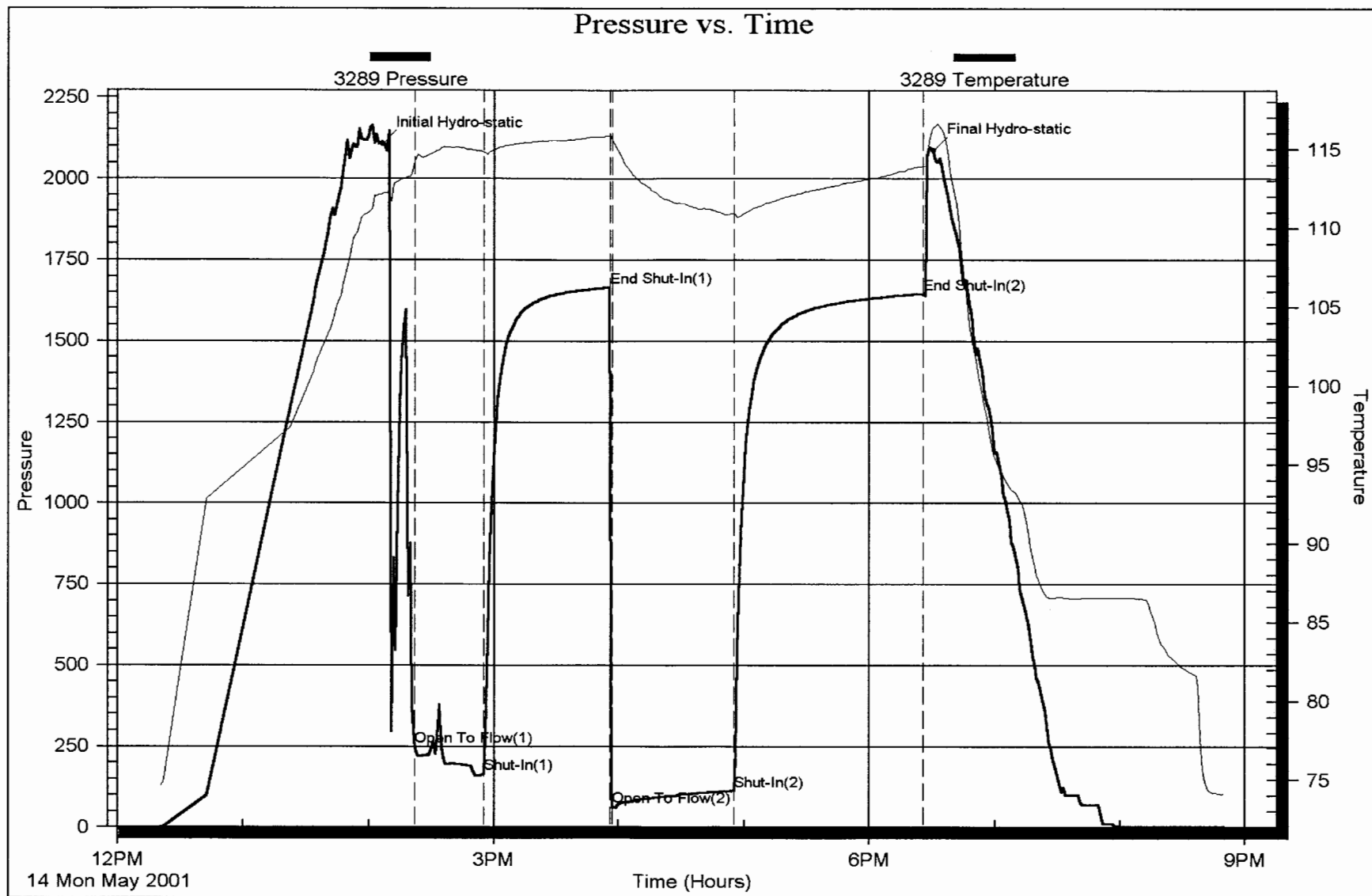
Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	30	0.25	8.60	36.49
1	30	0.25	8.60	36.49
1	40	0.25	18.00	51.40
1	45	0.25	20.00	54.57
2	10	0.25	19.00	52.99
2	20	0.25	24.00	60.92
2	30	0.25	27.00	65.68
2	40	0.25	29.00	68.85
2	50	0.25	29.00	68.85

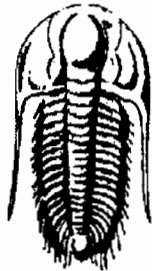
RECEIVED

SEP 06 2001

KCC WICHITA



CONFIDENTIAL



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

ORIGINAL

Prepared For: **Hummon Corp.**

Wichita KS 67212

KCC

ATTN: Arden Ratzlaff

SEP 05 2001

28-33S-15W Barber

CONFIDENTIAL

Platt "1-28"

Start Date: 2001.05.15 @ 17:23:06

End Date: 2001.05.15 @ 23:05:51

Job Ticket #: 14091

DST #: 3

RECEIVED

SEP 06 2001

KCC WICHITA

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

29962


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Hummon Corp.

Wichita KS 67212

ATTN: Arden Ratzlaff

Platt "1-28"

28-33S-15W Barber

Job Ticket: 14091

DST#: 3

Test Start: 2001.05.15 @ 17:23:06

GENERAL INFORMATION:

Formation: **Hertha**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:09:06

Time Test Ended: 23:05:51

Test Type: Conventional Bottom Hole

Tester: Lanny Saloga

Unit No: 14

Interval: **4626.00 ft (KB) To 4642.00 ft (KB) (TVD)**

Total Depth: 4642.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1793.00 ft (KB)

1782.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: **3289** Inside

Press@RunDepth: 37.25 psig @ 4632.00 ft (KB)

Start Date: 2001.05.15

End Date:

2001.05.15

Start Time: 17:23:11

End Time:

23:05:50

Capacity: 7000.00 psig

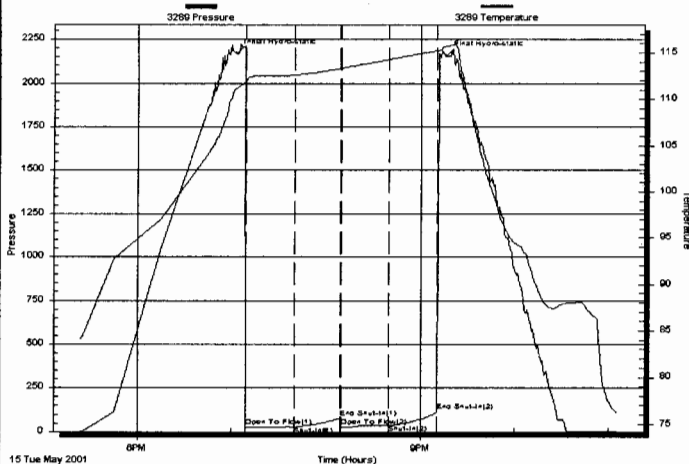
Last Calib.: 2001.01.22

Time On Btm: 2001.05.15 @ 19:02:51

Time Off Btm: 2001.05.15 @ 21:16:21

TEST COMMENT: Slid tool 2 ft.
1/4" decreased to surface blow. I.F.P.
No blow. Flushed tool in 10 min. No blow. F.F.P.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2170.48	111.21	Initial Hydro-static
7	25.66	111.96	Open To Flow (1)
37	28.08	112.61	Shut-In (1)
66	78.15	113.30	End Shut-In (1)
67	27.24	113.33	Open To Flow (2)
97	37.25	114.26	Shut-In (2)
128	111.94	115.22	End Shut-In (2)
134	2156.74	115.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud 100%M	0.10

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hummon Corp.

Platt "1-28"

Wichita KS 67212

28-33S-15W Barber

Job Ticket: 14091

DST#: 3

ATTN: Arden Ratzlaff

Test Start: 2001.05.15 @ 17:23:06

Tool Information

Drill Pipe:	Length: 4498.00 ft	Diameter: 3.80 inches	Volume: 63.10 bbl	Tool Weight: 1800.00 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: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 8000.00 lb
		Total Volume:	63.70 bbl	Tool Chased ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4626.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	38.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			4605.00	
S.I. Tool	5.00			4610.00	
HMV	5.00			4615.00	
Safety Joint	2.00			4617.00	
Packer	4.00			4621.00	22.00 Bottom Of Top Packer
Packer	5.00			4626.00	
Stubb	1.00			4627.00	
Perforations	5.00			4632.00	
Recorder	0.00	3289	Inside	4632.00	
Perforations	8.00			4640.00	
Recorder	0.00	10242	Outside	4640.00	
Bullnose	2.00			4642.00	16.00 Bottom Packers & Anchor

Total Tool Length: 38.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Hummon Corp.

Platt "1-28"

Wichita KS 67212

28-33S-15W Barber

Job Ticket: 14091

DST#: 3

ATTN: Arden Ratzlaff

Test Start: 2001.05.15 @ 17:23:06

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: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.57 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud 100%M	0.098

Total Length: 20.00 ft

Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

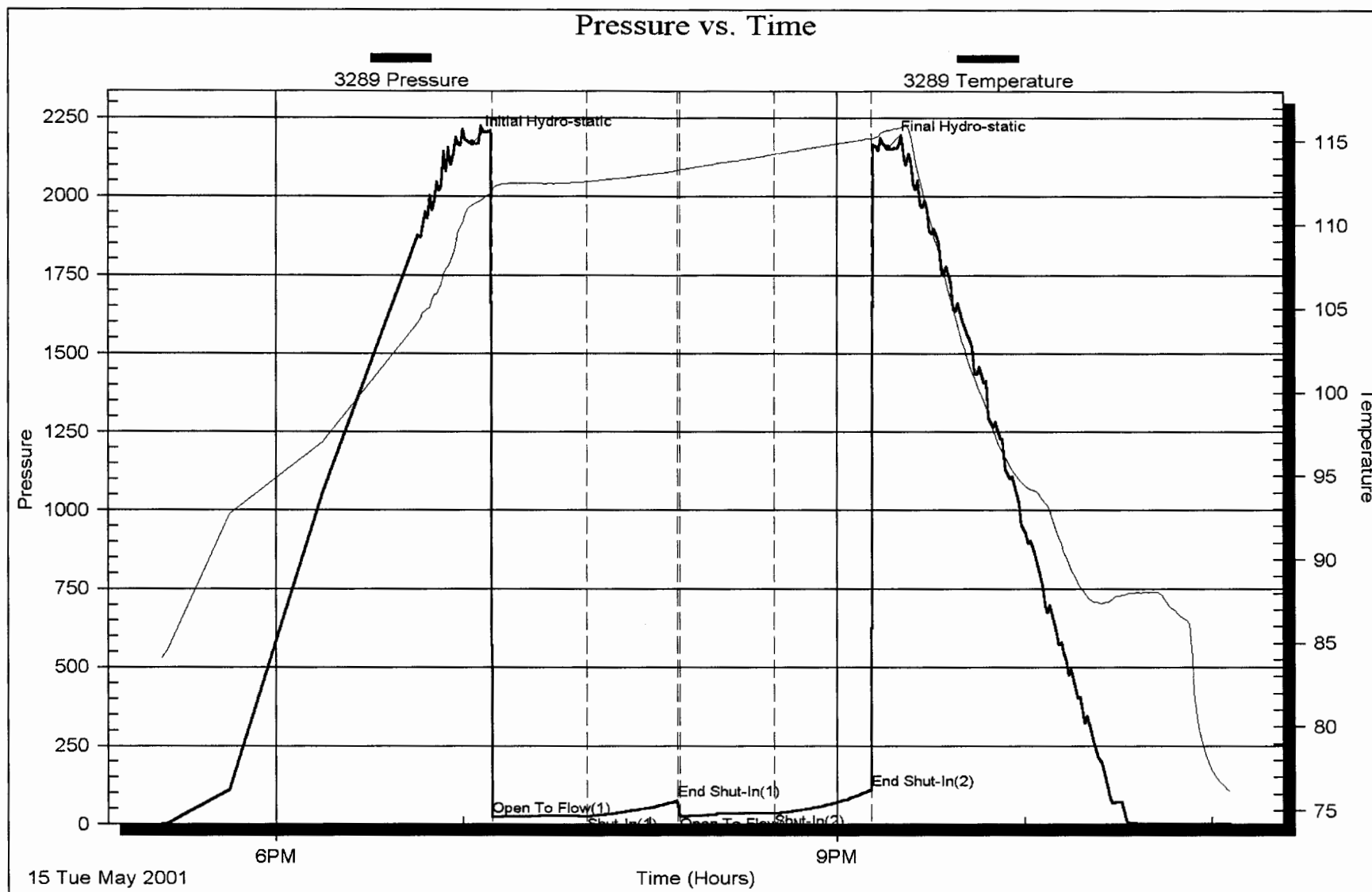
Recovery Comments:

Serial #: 3289

Inside Hummon Corp.

28-33S-15W Barber

DST Test Number: 3

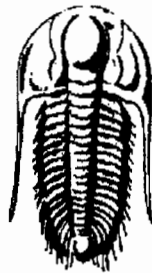


RECEIVED

SEP 06 2001

KCC WICHITA

CONFIDENTIAL



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT ORIGINAL

Prepared For: **Hummon Corp.**

Wichita KS 67212

KCC

ATTN: Arden Ratzlaff

SEP 05 2001

28-33S-15W Barber

CONFIDENTIAL

Platt "1-28"

Start Date: 2001.05.17 @ 17:36:05

End Date: 2001.05.18 @ 02:15:35

Job Ticket #: 14092

DST #: 4

RECEIVED

SEP 06 2001

KCC WICHITA

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Hummon Corp.

Wichita KS 67212

ATTN: Arden Ratzlaff

Platt "1-28"

28-33S-15W Barber

Job Ticket: 14092

DST#: 4

Test Start: 2001.05.17 @ 17:36:05

GENERAL INFORMATION:

Formation: **Viola**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 19:23:20

Time Test Ended: 02:15:35

Test Type: **Conventional Bottom Hole**

Tester: **Lanny Saloga**

Unit No: **14**

Interval: **5146.00 ft (KB) To 5182.00 ft (KB) (TVD)**

Total Depth: **5182.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1793.00 ft (KB)**

1782.00 ft (CF)

KB to GR/CF: **11.00 ft**

Serial #: **3289**

Inside

Press@RunDepth: **171.64 psig @ 5152.00 ft (KB)**

Start Date: **2001.05.17**

End Date:

2001.05.18

Start Time: **17:36:10**

End Time:

02:15:35

Capacity: **7000.00 psig**

Last Calib.: **2001.01.22**

Time On Btm: **2001.05.17 @ 19:15:05**

Time Off Btm: **2001.05.17 @ 23:11:35**

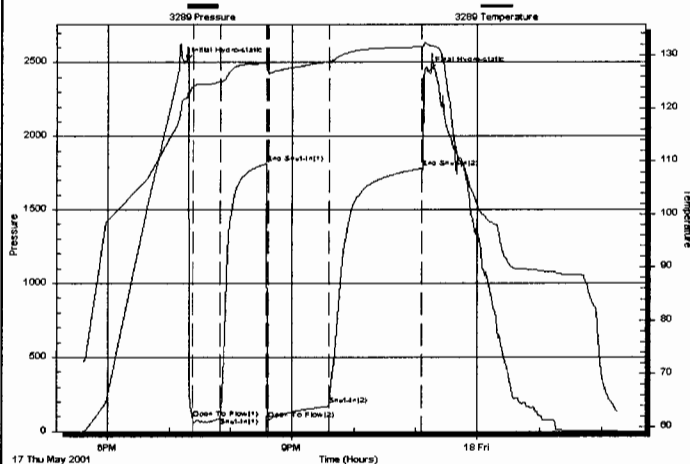
TEST COMMENT: Strong OBB in 40 sec. GTS in 17 min. See flow chart. I.F.P.

No blow-back. I.S.I.P.

See flow chart. F.F.P. "Gas burned."

Surface blow-back. F.S.I.P.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2501.57	121.89	Initial Hydro-static
9	79.79	124.17	Open To Flow (1)
36	90.21	125.07	Shut-In(1)
80	1812.97	128.47	End Shut-In(1)
82	75.57	126.59	Open To Flow (2)
140	171.64	128.70	Shut-In(2)
231	1781.31	131.52	End Shut-In(2)
237	2438.78	131.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	4750 Ft. GIP	0.00
155.00	Oil cut Gassy Mud 32%G 18%O 50%M	1.06
190.00	Mud cut Gassy Oil 27%G 63%O 10%M	2.67
60.00	Cln Gassy Oil 30%G 70%O 40 Gravity	a0.84

Gas Rates

	Choke(inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	2.20	6.21
Last Gas Rate	0.25	5.70	31.89
Max. Gas Rate	0.13	8.70	8.65



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hummon Corp.

Wichita KS 67212

ATTN: Arden Ratzlaff

Platt "1-28"

28-33S-15W Barber

Job Ticket: 14092

DST#: 4

Test Start: 2001.05.17 @ 17:36:05

Tool Information

Drill Pipe:	Length: 5023.00 ft	Diameter: 3.80 inches	Volume: 70.46 bbl	Tool Weight:	1800.00 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: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	4000.00 lb
		Total Volume:	71.06 bbl	Tool Chased	ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial	64000.00 lb
Depth to Top Packer:	5146.00 ft			Final	66000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	36.00 ft				
Tool Length:	58.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description

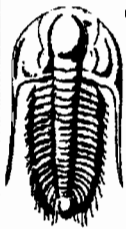
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			5125.00	
S.I. Tool	5.00			5130.00	
HMV	5.00			5135.00	
Safety Joint	2.00			5137.00	
Packer	4.00			5141.00	22.00 Bottom Of Top Packer
Packer	5.00			5146.00	
Stubb	1.00			5147.00	
Perforations	5.00			5152.00	
Recorder	0.00	3289	Inside	5152.00	
Perforations	28.00			5180.00	
Recorder	0.00	10242	Outside	5180.00	
Bullnose	2.00			5182.00	36.00 Bottom Packers & Anchor

Total Tool Length: 58.00

RECEIVED

SEP 06 2001

KCC WICHITA



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Hummon Corp.

Platt "1-28"

Wichita KS 67212

28-33S-15W Barber

Job Ticket: 14092

DST#: 4

ATTN: Arden Ratzlaff

Test Start: 2001.05.17 @ 17:36:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

40 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 79.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 10000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	4750 Ft. GIP	0.000
155.00	Oil cut Gassy Mud 32%G 18%O 50%M	1.063
190.00	Mud cut Gassy Oil 27%G 63%O 10%M	2.665
60.00	Cln Gassy Oil 30%G 70%O 40 Gravity at	0.842

Total Length: 405.00 ft

Total Volume: 4.570 bbl

Num Fluid Samples: 1

Num Gas Bombs: 3

Serial #: 3

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Hummon Corp.

Platt "1-28"

Wichita KS 67212

28-33S-15W Barber

Job Ticket: 14092

DST#: 4

ATTN: Arden Ratzlaff

Test Start: 2001.05.17 @ 17:36:05

Gas Rates Information

Temperature: 59 deg C

Relative Density: 0.65

Z Factor: 0.8

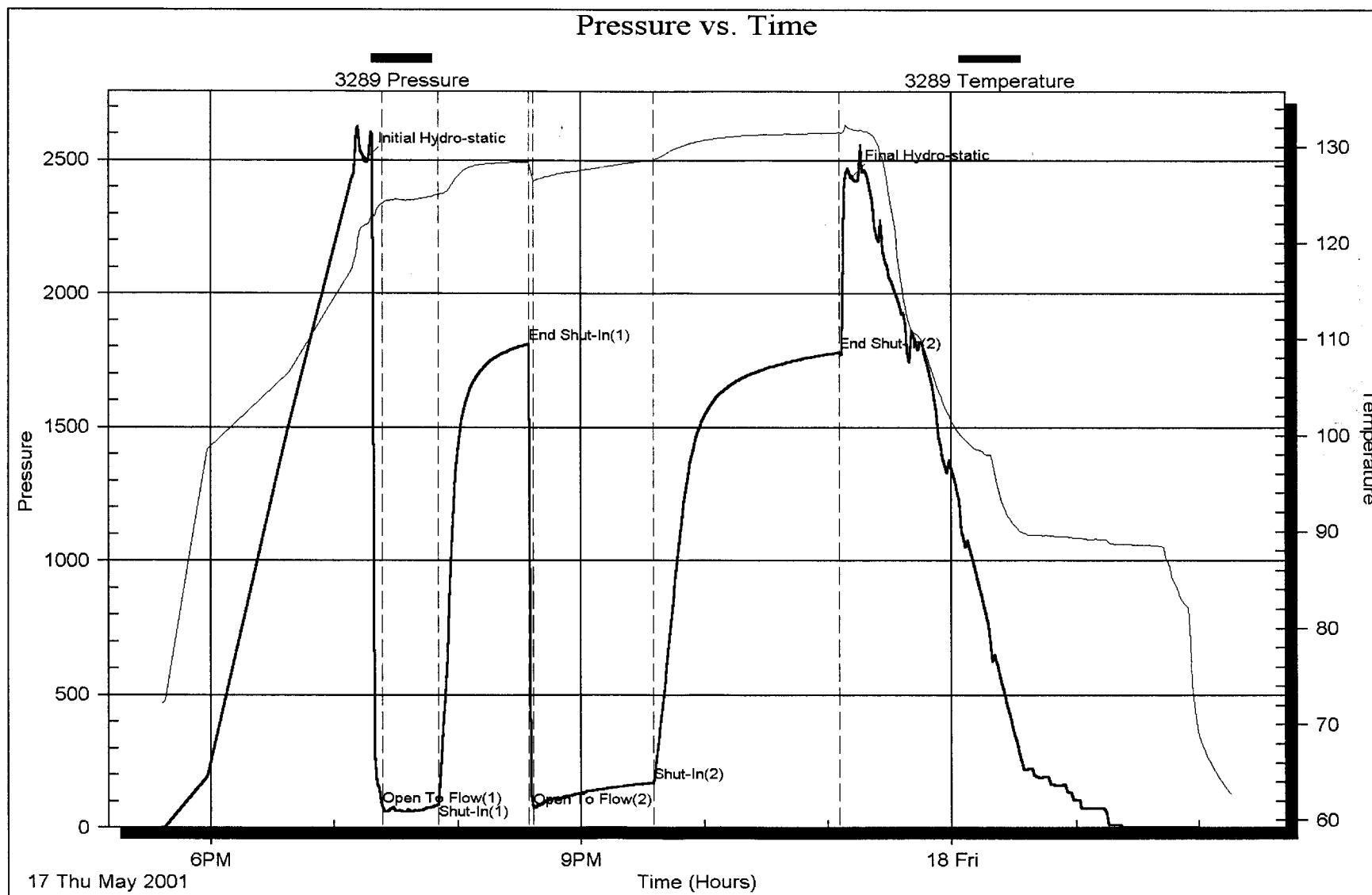
Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	10	0.13	2.20	6.21
1	20	0.13	2.20	6.21
1	30	0.13	8.70	8.65
2	10	0.25	6.90	33.79
2	20	0.25	6.90	33.79
2	30	0.25	6.90	33.79
2	40	0.25	6.20	32.68
2	50	0.25	5.70	31.89

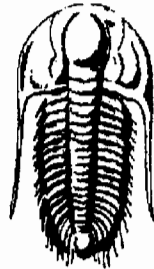
RECEIVED

SEP 06 2001

KCC WICHITA



CONFIDENTIAL



TRILOBITE
TESTING, INC.

ORIGINAL

KCC

SEP 05 2001

DRILL STEM TEST REPORT **CONFIDENTIAL**

Prepared For: **Hummon Corp.**

Wichita KS 67212

ATTN: Arden Ratzlaff

28-33S-15W Barber

Platt "1-28"

Start Date: 2001.05.18 @ 14:59:04

End Date: 2001.05.18 @ 22:33:34

Job Ticket #: 14093

DST #: 5

RECEIVED

SEP 06 2001

KCC WICHITA

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Huffman Corp.
Wichita KS 67212

ATTN: Arden Ratzlaff

Platt "1-28"

28-33S-15W Barber

Job Ticket: 14093

DST#: 5

Test Start: 2001.05.18 @ 14:59:04

GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:47:34

Time Test Ended: 22:33:34

Test Type: Conventional Bottom Hole

Tester: Lanny Saloga

Unit No: 14

Interval: **5237.00 ft (KB) To 5266.00 ft (KB) (TVD)**

Total Depth: 5266.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1793.00 ft (KB)

1782.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 3289

Inside

Press@RunDepth: 65.59 psig @ 5243.00 ft (KB)

Start Date: 2001.05.18

End Date:

2001.05.18

Start Time: 14:59:09

End Time:

22:33:33

Capacity: 7000.00 psig

Last Calib.: 2001.05.22

Time On Btm: 2001.05.18 @ 16:39:49

Time Off Btm: 2001.05.18 @ 20:21:49

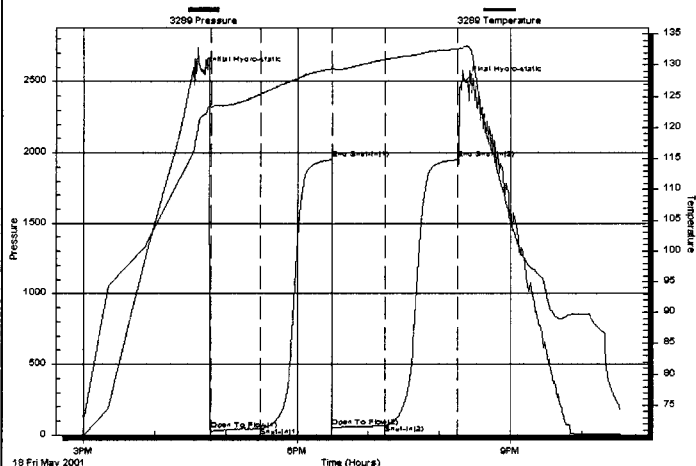
TEST COMMENT: 1" built to 5" in 23 min. Stabilized. I.F.P.

No blow-back. I.S.I.P.

Surface blow built to 3/4". F.F.P.

No blow-back. F.S.I.P.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2570.46	121.94	Initial Hydro-static
8	29.28	123.26	Open To Flow (1)
50	43.98	125.45	Shut-In(1)
110	1951.52	129.42	End Shut-In(1)
110	55.30	129.51	Open To Flow (2)
155	65.59	130.94	Shut-In(2)
216	1950.52	132.55	End Shut-In(2)
222	2500.34	133.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	Hvy Wtr cut Mud w /scum of Oil 46%W	50.321
0.00	Rec RW 0.35 at 67 F. 20,200 PPM.	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hummon Corp.

Platt "1-28"

Wichita KS 67212

28-33S-15W Barber

Job Ticket: 14093

DST#: 5

ATTN: Arden Ratzlaff

Test Start: 2001.05.18 @ 14:59:04

Tool Information

Drill Pipe:	Length: 5115.00 ft	Diameter: 3.80 inches	Volume: 71.75 bbl	Tool Weight:	1800.00 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: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	5000.00 lb
		Total Volume:	72.35 bbl	Tool Chased	ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial	65000.00 lb
Depth to Top Packer:	5237.00 ft			Final	65000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	29.00 ft				
Tool Length:	51.00 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			5216.00	
S.I. Tool	5.00			5221.00	
HMV	5.00			5226.00	
Safety Joint	2.00			5228.00	
Packer	4.00			5232.00	22.00 Bottom Of Top Packer
Packer	5.00			5237.00	
Stubb	1.00			5238.00	
Perforations	5.00			5243.00	
Recorder	0.00	3289	Inside	5243.00	
Perforations	21.00			5264.00	
Recorder	0.00	10242	Outside	5264.00	
Bullnose	2.00			5266.00	29.00 Bottom Packers & Anchor

Total Tool Length: 51.00

RECEIVED
SEP 06 2001
KCC WICHITA

2446-2



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Hummon Corp.

Platt "1-28"

Wichita KS 67212

28-33S-15W Barber

Job Ticket: 14093

DST#: 5

ATTN: Arden Ratzlaff

Test Start: 2001.05.18 @ 14:59:04

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:

20200 ppm

Viscosity: 66.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.16 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 10000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	Hvy Wtr cut Mud w /scum of Oil 46%W 54%N	0.320
0.00	Rec RW 0.35 at 67 F. 20,200 PPM.	0.000

Total Length: 65.00 ft

Total Volume: 0.320 bbl

Num Fluid Samples: 0

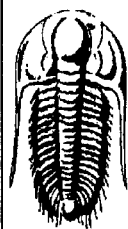
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Hummon Corp.

Platt "1-28"

Wichita KS 67212

28-33S-15W Barber

Job Ticket: 14093

DST#: 5

ATTN: Arden Ratzlaff

Test Start: 2001.05.18 @ 14:59:04

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:

20200 ppm

Viscosity: 66.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.16 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 10000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	Hvy Wtr cut Mud w /scum of Oil 46%W 54%N	0.320
0.00	Rec RW 0.35 at 67 F. 20,200 PPM.	0.000

Total Length: 65.00 ft

Total Volume: 0.320 bbl

Num Fluid Samples: 0

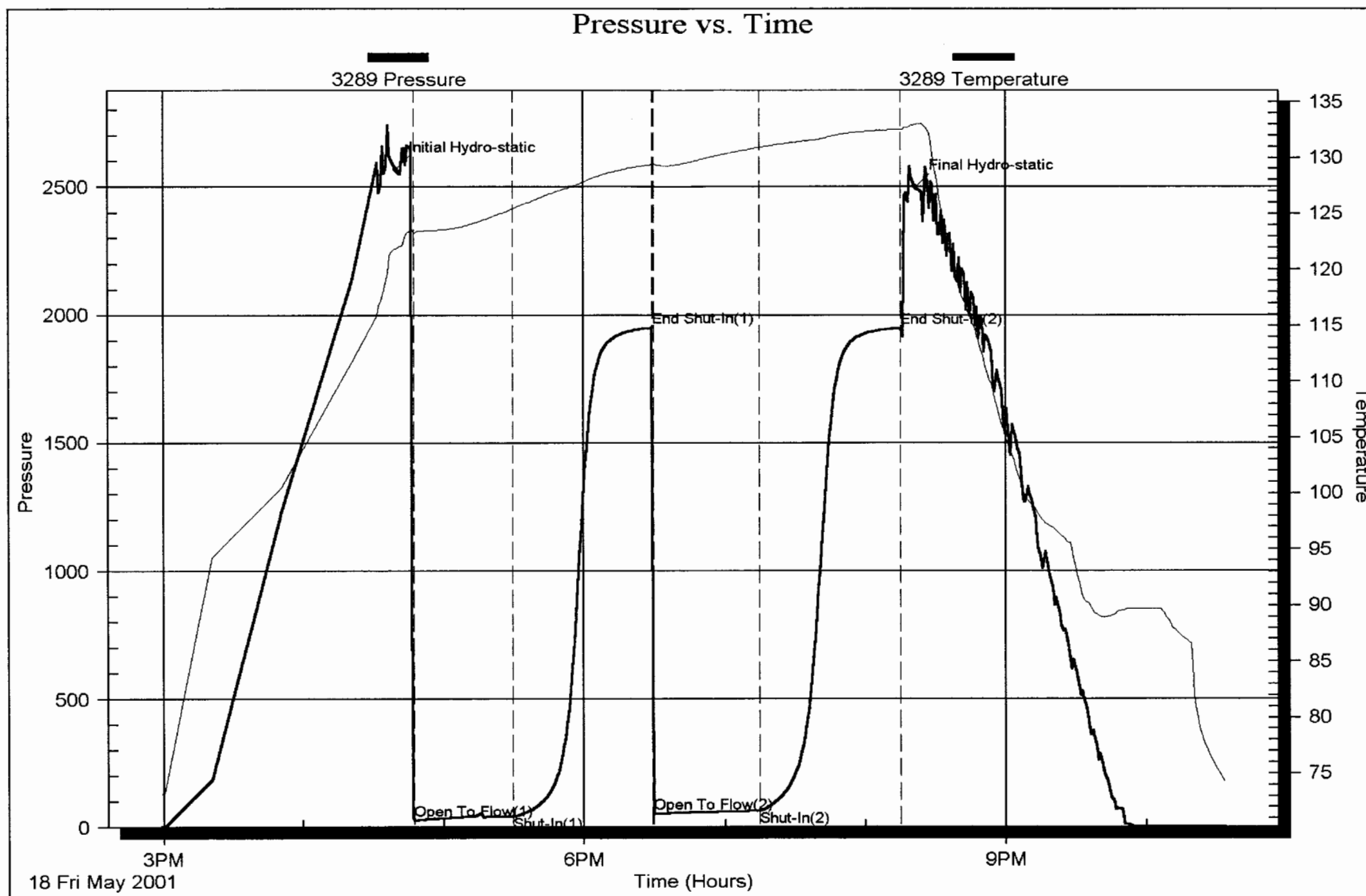
Num Gas Bombs: 0

Serial #:

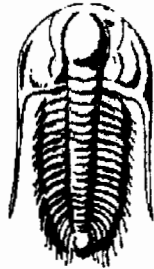
Laboratory Name:

Laboratory Location:

Recovery Comments:



CONFIDENTIAL



ORIGINAL
TRILOBITE
TESTING, INC.

KCC

SEP 05 2001

CONFIDENTIAL

DRILL STEM TEST REPORT

Prepared For: **Hummon Corp.**

Wichita KS 67212

ATTN: Arden Ratzlaff

28-33S-15W Barber

Platt "1-28"

Start Date: 2001.05.19 @ 08:05:07

End Date: 2001.05.19 @ 18:02:07

Job Ticket #: 14094

DST #: 6

RECEIVED

SEP 06 2001

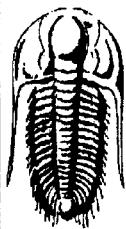
KCC WICHITA

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

7162



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Hummon Corp.
Wichita KS 67212

ATTN: Arden Ratzlaff

Platt "1-28"

28-33S-15W Barber

Job Ticket: 14094

DST#: 6

Test Start: 2001.05.19 @ 08:05:07

GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:08:22

Time Test Ended: 18:02:07

Test Type: Conventional Bottom Hole

Tester: Lanny Saloga

Unit No: 14

Interval: **5251.00 ft (KB) To 5285.00 ft (KB) (TVD)**

Total Depth: **5285.00 ft (KB) (TVD)**

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1793.00 ft (KB)

1782.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: **3289**

Inside

Press@RunDepth: 1848.98 psig @ 5257.00 ft (KB)

Start Date: 2001.05.19

End Date: 2001.05.19

Start Time: 08:05:12

End Time: 18:02:07

Capacity: 7000.00 psig

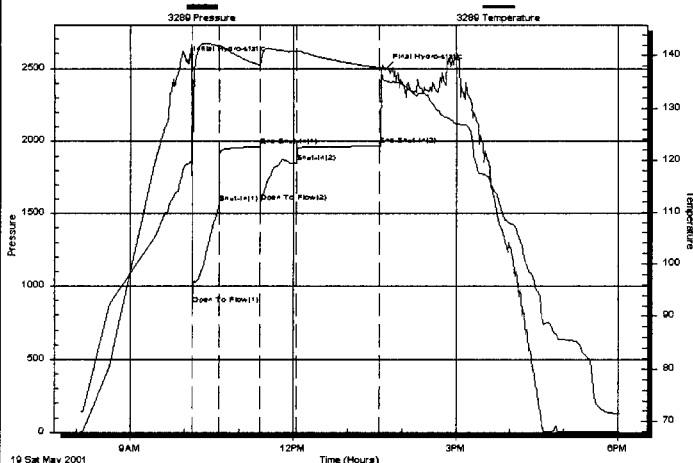
Last Calib.: 2001.05.22

Time On Btm: 2001.05.19 @ 10:02:22

Time Off Btm: 2001.05.19 @ 13:42:22

TEST COMMENT: Strong OBB in 20 sec. GTS in 5 min. See flow chart. I.F.P.
Strong OBB blow-back. I.S.I.P. "Gas burned"
Flow ed Mud & Gas 23 min. Oil & Gas in 35 min. F.F.P.
Strong blow-back. F.S.I.P.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2548.93	119.35	Initial Hydro-static
6	870.81	119.35	Open To Flow (1)
36	1568.66	141.76	Shut-In(1)
81	1963.35	138.09	End Shut-In(1)
82	1576.47	137.98	Open To Flow (2)
122	1848.98	140.80	Shut-In(2)
213	1968.28	137.69	End Shut-In(2)
220	2496.98	135.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
122.00	Gassy Water 3% g 97% w	0.60
5115.00	Hvy GCO 80%g 20%o	71.75
0.00	Rec Wtr RW 0.29 at 66 F. 25,500 PPM.	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	7.40	34.58
Last Gas Rate	0.13	24.00	14.37
Max. Gas Rate	0.13	24.00	14.37



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hummon Corp.

Platt "1-28"

Wichita KS 67212

28-33S-15W Barber

Job Ticket: 14094

DST#: 6

ATTN: Arden Ratzlaff

Test Start: 2001.05.19 @ 08:05:07

Tool Information

Drill Pipe:	Length: 5115.00 ft	Diameter: 3.80 inches	Volume: 71.75 bbl	Tool Weight:	1800.00 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: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	9000.00 lb
		Total Volume:	72.35 bbl	Tool Chased	ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial	64000.00 lb
Depth to Top Packer:	5251.00 ft			Final	81000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	34.00 ft				
Tool Length:	56.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

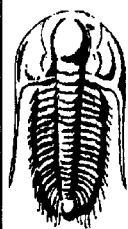
Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			5230.00	
S.I. Tool	5.00			5235.00	
HMV	5.00			5240.00	
Safety Joint	2.00			5242.00	
Packer	4.00			5246.00	22.00 Bottom Of Top Packer
Packer	5.00			5251.00	
Stubb	1.00			5252.00	
Perforations	5.00			5257.00	
Recorder	0.00	3289	Inside	5257.00	
Perforations	26.00			5283.00	
Recorder	0.00	10242	Outside	5283.00	
Bullnose	2.00			5285.00	34.00 Bottom Packers & Anchor

Total Tool Length: 56.00

RECEIVED
SEP 06 2001
KCC WICHITA

21962


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hummon Corp.

Platt "1-28"

Wichita KS 67212

28-33S-15W Barber

Job Ticket: 14094

DST#: 6

ATTN: Arden Ratzlaff

Test Start: 2001.05.19 @ 08:05:07

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil APt:

44 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

25500 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.16 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 10000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
122.00	Gassy Water 3% g 97% w	0.600
5115.00	Hvy GCO 80%g 20%o	71.750
0.00	Rec Wtr RW 0.29 at 66 F. 25,500 PPM.	0.000

Total Length: 5237.00 ft

Total Volume: 72.350 bbl

Num Fluid Samples: 0

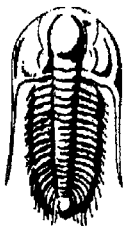
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Reversed App. 13 bbls into tank truck.



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Hummon Corp.

Platt "1-28"

Wichita KS 67212

28-33S-15W Barber

Job Ticket: 14094

DST#: 6

ATTN: Arden Ratzlaff

Test Start: 2001.05.19 @ 08:05:07

Gas Rates Information

Temperature: 59 deg C

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	10	0.25	7.40	34.58
1	10	0.25	7.40	34.58
1	20	0.25	10.00	38.71
1	30	0.25	3.20	27.92
2	10	0.13	24.00	14.37

RECEIVED

SEP 06 2001

KCC WICHITA

