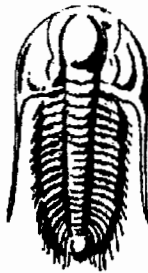


RELEASED
FROM
CONFIDENTIAL



TRILOBITE
TESTING, INC.

RECEIVED

SEP 12 2003

DRILL STEM TEST REPORT

KCC WICHITA

Prepared For: Raydon Exploration Inc

ORIGINAL

9400 N Broadway Ste 400 Oklahoma City OK
73114

CONFIDENTIAL KCC

ATTN: Ed Greives

SEP 11 2003

33-32-32 W
Wettstein 3-33
CONFIDENTIAL

Start Date: 2003.07.26 @ 07:09:59

End Date: 2003.07.26 @ 13:34:44

Job Ticket #: 16084

DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

CONFIDENTIAL

111654
ORIGINAL
TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Raydon Exploration Inc

Wettstein 3-33

9400 N Broadway Ste 400 Oklahoma City OK
73114

33-32-32

Job Ticket: 16084

DST#: 1

ATTN: Ed Greives

Test Start: 2003.07.26 @ 07:09:59

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 13:34:44

Interval: 5628.00 ft (KB) To 5641.00 ft (KB) (TVD)

Total Depth: 5641.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Good

KCC

SEP 11 2003

CONFIDENTIAL

Test Type: Conventional Bottom Hole

Tester: Blake Wallace

Unit No: 20

Reference Elevations: 2825.00 ft (KB)

2813.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 3030

Inside

Press@RunDepth: psig @ 5630.00 ft (KB)

Start Date: 2003.07.26

End Date:

2003.07.26

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Start Time: 07:10:03

End Time:

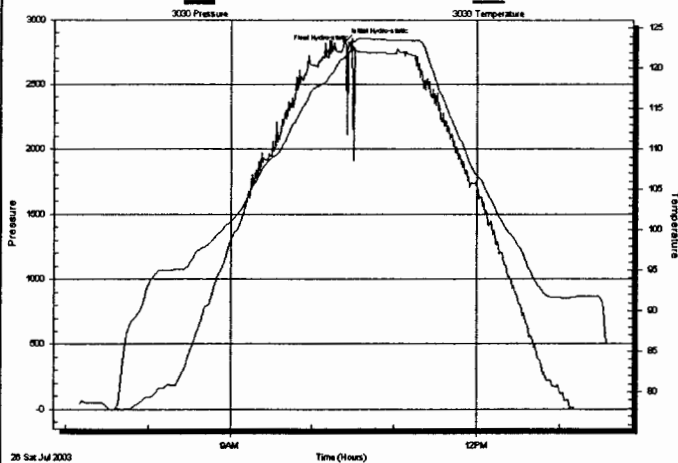
13:34:43

Time On Btm: 2003.07.26 @ 10:23:14

Time Off Btm: 2003.07.26 @ 10:30:44

TEST COMMENT: Packer failure tried to set twice w ith same results

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2829.73	121.31	Initial Hydro-static
8	2773.95	123.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	100% mud	1.22

Gas Rates

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

CONFIDENTIAL

ORIGINAL

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		TOOL DIAGRAM																																																																																				
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Tool Information <table style="width: 100%;"> <tr> <td>Drill Pipe:</td> <td>Length: 5259.00 ft</td> <td>Diameter: 3.80 inches</td> <td>Volume: 73.77 bbl</td> <td>Tool Weight: 1800.00 lb</td> </tr> <tr> <td>Heavy Wt. Pipe:</td> <td>Length: 0.00 ft</td> <td>Diameter: 0.00 inches</td> <td>Volume: 0.00 bbl</td> <td>Weight set on Packer: 20000.00 lb</td> </tr> <tr> <td>Drill Collar:</td> <td>Length: 363.00 ft</td> <td>Diameter: 2.25 inches</td> <td>Volume: 1.79 bbl</td> <td>Weight to Pull Loose: 80000.00 lb</td> </tr> <tr> <td colspan="3"></td> <td>Total Volume: 75.56 bbl</td> <td>Tool Chased 0.00 ft</td> </tr> <tr> <td>Drill Pipe Above KB:</td> <td>16.00 ft</td> <td colspan="2"></td> <td>String Weight: Initial 80000.00 lb</td> </tr> <tr> <td>Depth to Top Packer:</td> <td>5628.00 ft</td> <td colspan="2"></td> <td>Final 82000.00 lb</td> </tr> <tr> <td>Depth to Bottom Packer:</td> <td>ft</td> <td colspan="3"></td> </tr> <tr> <td>Interval between Packers:</td> <td>13.00 ft</td> <td colspan="3"></td> </tr> <tr> <td>Tool Length:</td> <td>35.00 ft</td> <td colspan="3"></td> </tr> <tr> <td>Number of Packers:</td> <td>2</td> <td>Diameter: 6.75 inches</td> <td colspan="2"></td> </tr> <tr> <td colspan="5">Tool Comments:</td> </tr> </table>				Drill Pipe:	Length: 5259.00 ft	Diameter: 3.80 inches	Volume: 73.77 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: 363.00 ft	Diameter: 2.25 inches	Volume: 1.79 bbl	Weight to Pull Loose: 80000.00 lb				Total Volume: 75.56 bbl	Tool Chased 0.00 ft	Drill Pipe Above KB:	16.00 ft			String Weight: Initial 80000.00 lb	Depth to Top Packer:	5628.00 ft			Final 82000.00 lb	Depth to Bottom Packer:	ft				Interval between Packers:	13.00 ft				Tool Length:	35.00 ft				Number of Packers:	2	Diameter: 6.75 inches			Tool Comments:																																	
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 TRILOBITE TESTING, INC	DRILL STEM TEST REPORT		FLUID SUMMARY						
	Raydon Exploration Inc 9400 N Broadway Ste 400 Oklahoma City OK 73114 ATTN: Ed Greives		Wettstein 3-33 33-32-32 Job Ticket: 16084 DST#: 1 Test Start: 2003.07.26 @ 07:09:59						
Mud and Cushion Information									
Mud Type: Gel Chem Mud Weight: 9.00 lb/gal Viscosity: 46.00 sec/qt Water Loss: 4.79 in ³ Resistivity: ohm.m Salinity: 2100.00 ppm Filter Cake: inches		Cushion Type: Cushion Length: ft Cushion Volume: bbl Gas Cushion Type: Gas Cushion Pressure: psig							
		Oil API: Water Salinity: deg API ppm							
Recovery Information									
Recovery Table									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Length ft</th> <th style="width: 60%;">Description</th> <th style="width: 20%;">Volume bbl</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">248.00</td> <td>100% mud</td> <td style="text-align: center;">1.220</td> </tr> </tbody> </table>				Length ft	Description	Volume bbl	248.00	100% mud	1.220
Length ft	Description	Volume bbl							
248.00	100% mud	1.220							
Total Length: 248.00 ft		Total Volume: 1.220 bbl							
Num Fluid Samples: 0		Num Gas Bombs: 0 Serial #:							
Laboratory Name:		Laboratory Location:							
Recovery Comments:									

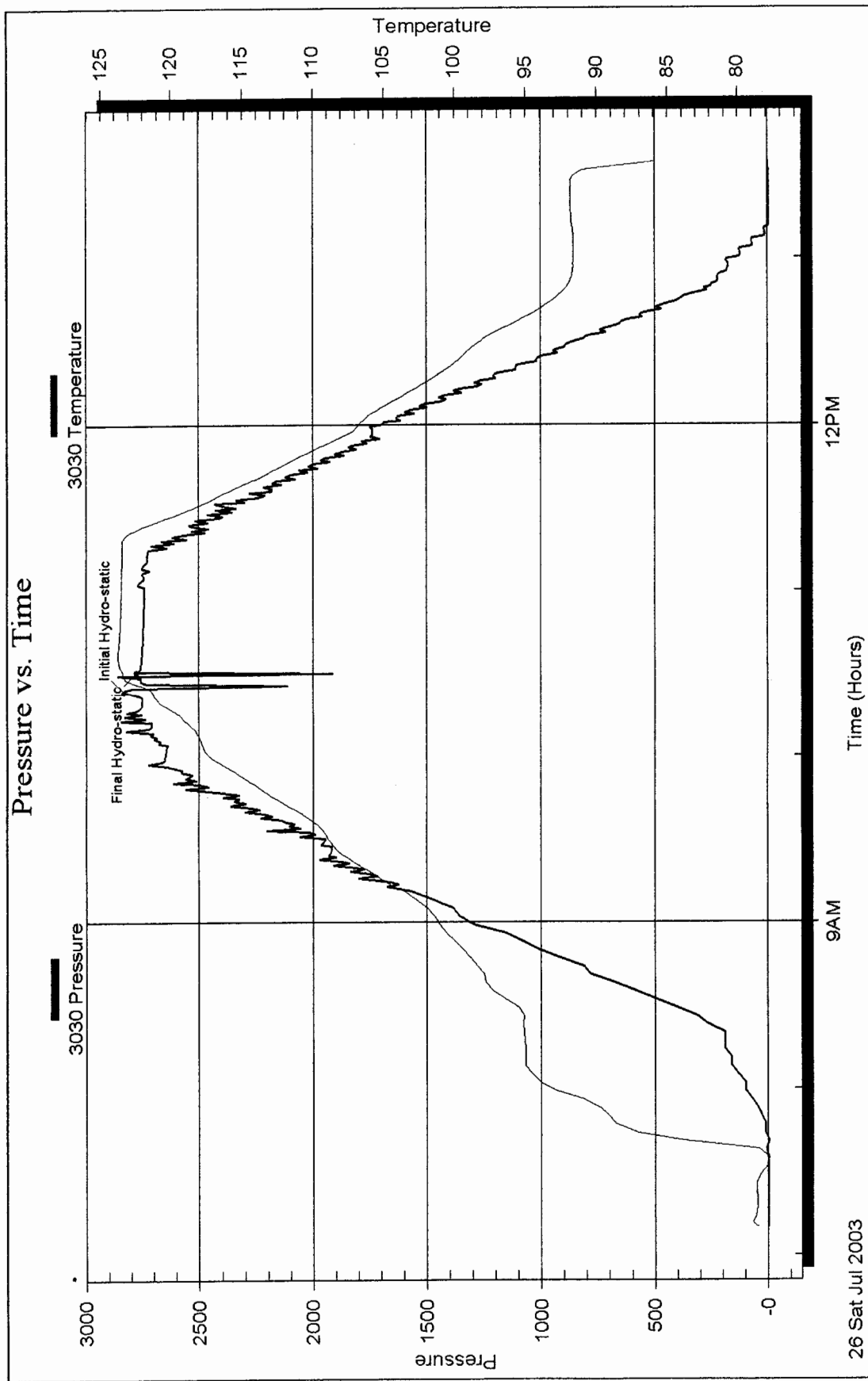
Serial #: 3030

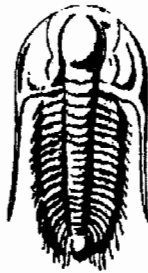
Inside

Raydon Exploration Inc

33-32-32

DST Test Number: 1





**TRILOBITE
TESTING, INC.**

RECEIVED
SEP 12 2003
KCC WICHITA

DRILL STEM TEST REPORT

Prepared For: **Raydon Exploration Inc**

9400 N Broadway Ste 400 Oklahoma City OK
73114

ATTN: Ed Greives

33-32-32

Wettstein 3-33

Start Date: 2003.07.26 @ 14:04:02

End Date: 2003.07.26 @ 20:01:02

Job Ticket #: 16085 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

111054

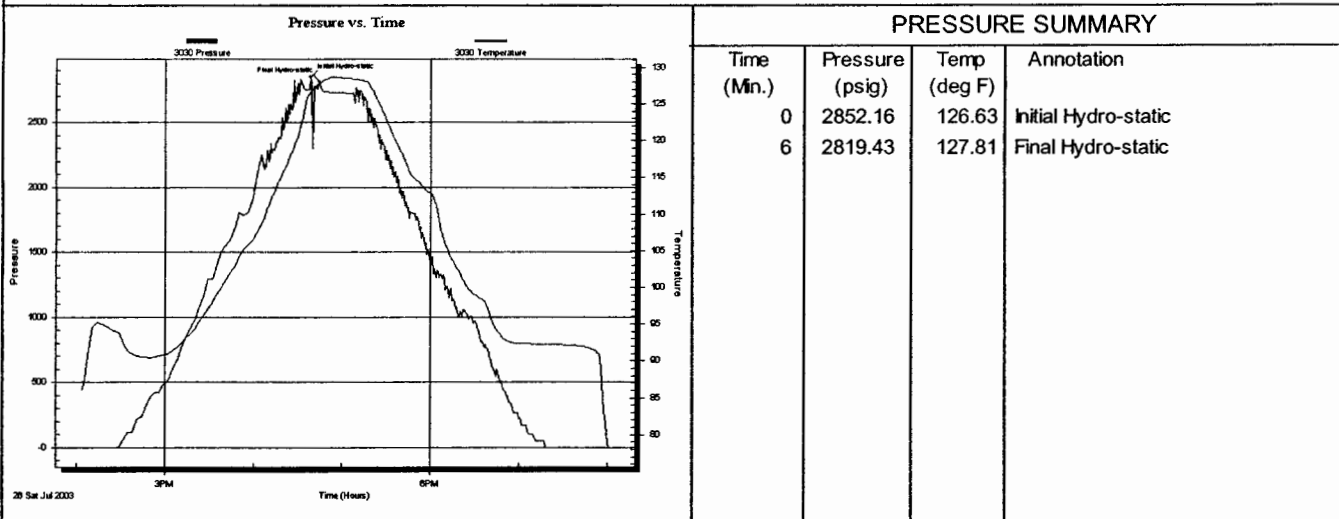
 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT	
	Raydon Exploration Inc	Wettstein 3-33
	9400 N Broadway Ste 400 Oklahoma City OK 73114	33-32-32
ATTN: Ed Greives	Job Ticket: 16085	DST#: 2
	Test Start: 2003.07.26 @ 14:04:02	

GENERAL INFORMATION:

Formation: Morrow Deviated: No Whipstock: ft (KB) Time Tool Opened: Time Test Ended: 20:01:02 Interval: 5589.00 ft (KB) To 5641.00 ft (KB) (TVD) Total Depth: 5641.00 ft (KB) (TVD) Hole Diameter: 7.78 inches Hole Condition: Good	Test Type: Conventional Bottom Hole Tester: Blake Wallace Unit No: 20 Reference Elevations: 2825.00 ft (KB) 2813.00 ft (CF) KB to GR/CF: 12.00 ft
--	---

Serial #: 3030	Inside	
Press@RunDepth: psig @ 5591.00 ft (KB)	Capacity: 7000.00 psig	
Start Date: 2003.07.26 End Date: 2003.07.26	Last Calib.: 1899.12.30	
Start Time: 14:04:06 End Time: 20:01:01	Time On Btm: 2003.07.26 @ 16:38:17	
	Time Off Btm: 2003.07.26 @ 16:44:17	

TEST COMMENT: Packer Failure tried to open twice with same results



Recovery			Gas Rates		
Length (ft)	Description	Volume (bbl)	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
217.00	100% mud	1.07			



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raydon Exploration Inc

Wettstein 3-33

9400 N Broadway Ste 400 Oklahoma City OK
73114

33-32-32

Job Ticket: 16085

DST#: 2

ATTN: Ed Greives

Test Start: 2003.07.26 @ 14:04:02

Tool Information

Drill Pipe:	Length: 5227.00 ft	Diameter: 3.80 inches	Volume: 73.32 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: 363.00 ft	Diameter: 2.25 inches	Volume: 1.79 bbl	Weight to Pull Loose: 80000.00 lb
		Total Volume: 75.11 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	5589.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	52.00 ft			
Tool Length:	74.00 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			5568.00	
S.I. Tool	5.00			5573.00	
HMV	5.00			5578.00	
Safety Joint	2.00			5580.00	
Packer	5.00			5585.00	22.00 Bottom Of Top Packer
Packer	4.00			5589.00	
Stubb	1.00			5590.00	
Perforations	1.00			5591.00	
Recorder	0.00	3030	Inside	5591.00	
Change Over Sub	1.00			5592.00	
Blank Spacing	32.00			5624.00	
Change Over Sub	1.00			5625.00	
Perforations	13.00			5638.00	
Recorder	0.00	11019	Outside	5638.00	
Bullnose	3.00			5641.00	52.00 Bottom Packers & Anchor

Total Tool Length: 74.00

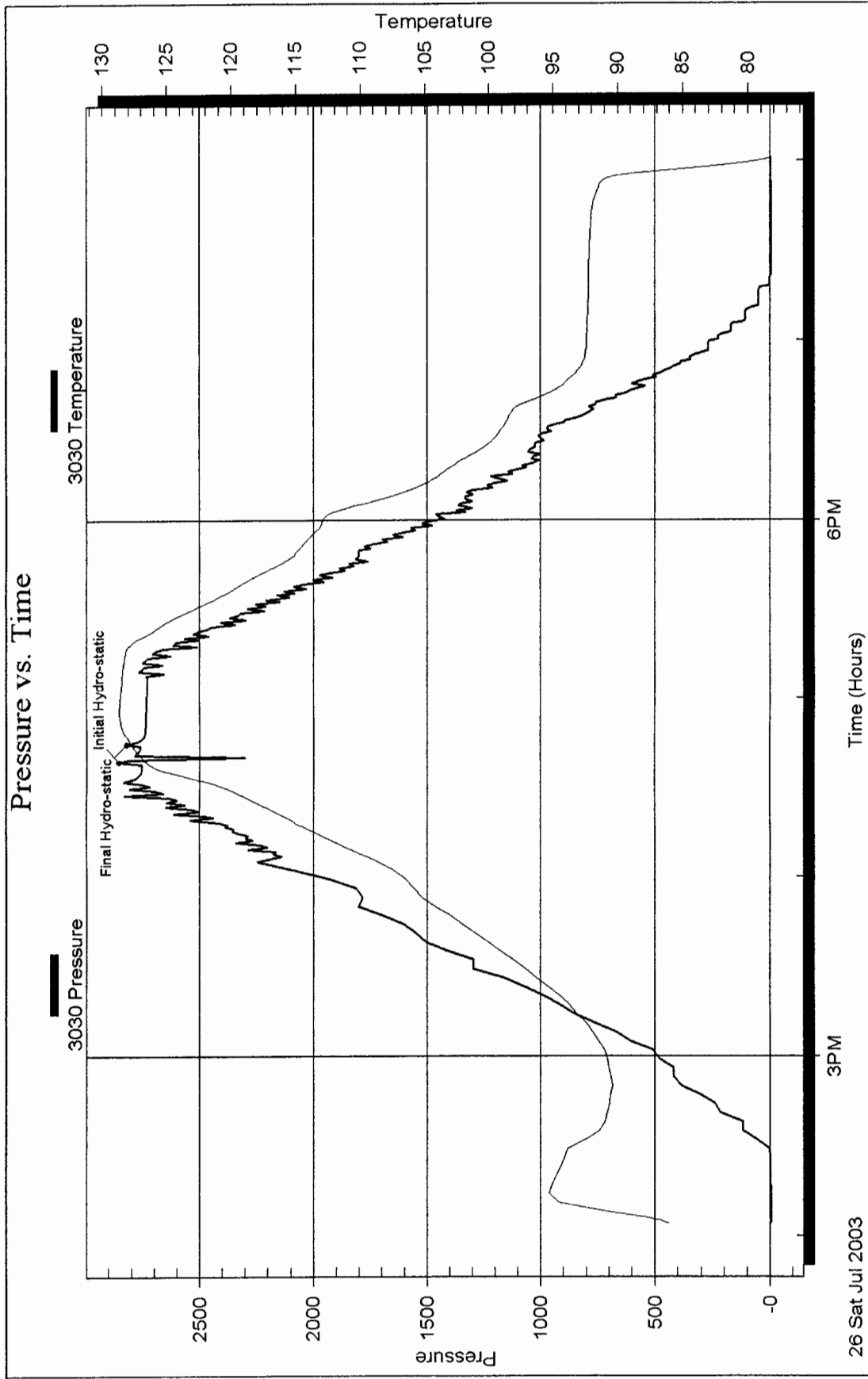
111654

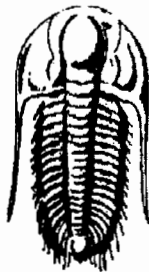
	DRILL STEM TEST REPORT		FLUID SUMMARY
	Raydon Exploration Inc 9400 N Broadway Ste 400 Oklahoma City OK 73114 ATTN: Ed Greives	Wettstein 3-33 33-32-32 Job Ticket: 16085 DST#: 2 Test Start: 2003.07.26 @ 14:04:02	

Mud and Cushion Information			
Mud Type: Gel Chem Mud Weight: 9.00 lb/gal Viscosity: 46.00 sec/qt Water Loss: 4.79 in ³ Resistivity: ohm.m Salinity: 2100.00 ppm Filter Cake: inches	Cushion Type: Cushion Length: ft Cushion Volume: bbl Gas Cushion Type: Gas Cushion Pressure: psig	Oil API: Water Salinity: ppm deg API	

Recovery Information		
Recovery Table		
Length ft	Description	Volume bbl
217.00	100% mud	1.067

Total Length: 217.00 ft	Total Volume: 1.067 bbl	
Num Fluid Samples: 0	Num Gas Bombs: 0	Serial #:
Laboratory Name:	Laboratory Location:	
Recovery Comments:		





**TRILOBITE
TESTING, INC.**

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SEP 12 2003
KCC WICHITA

Raydon Exploration Inc

Wettstein 3-33

33-32-32

DST # 3

Morrow

2003.07.26

DRILL STEM TEST REPORT

Prepared For: **Raydon Exploration Inc**

9400 N Broadway Ste 400 Oklahoma City OK
73114

ATTN: Ed Greives

33-32-32

Wettstein 3-33

Start Date: 2003.07.26 @ 20:13:59

End Date: 2003.07.27 @ 06:07:29

Job Ticket #: 16086 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

111654

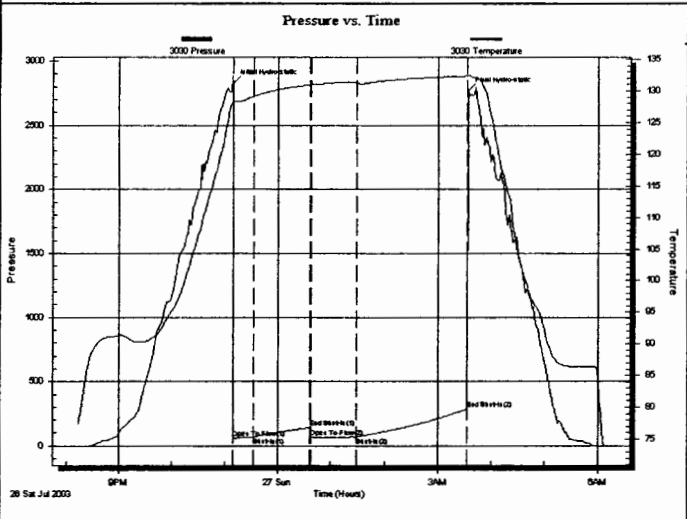
 TRILOBITE TESTING, INC	DRILL STEM TEST REPORT	
	Raydon Exploration Inc	Wettstein 3-33
	9400 N Broadway Ste 400 Oklahoma City OK 73114	33-32-32
	ATTN: Ed Greives	Job Ticket: 16086 DST#: 3 Test Start: 2003.07.26 @ 20:13:59

GENERAL INFORMATION:

Formation: Morrow Deviated: No Whipstock: ft (KB) Time Tool Opened: 23:10:14 Time Test Ended: 06:07:29	Test Type: Conventional Bottom Hole Tester: Blake Wallace Unit No: 20
Interval: 5558.00 ft (KB) To 5641.00 ft (KB) (TVD) Total Depth: 5641.00 ft (KB) (TVD) Hole Diameter: 7.78 inches Hole Condition: Good	Reference Elevations: 2825.00 ft (KB) 2813.00 ft (CF) KB to GR/CF: 12.00 ft

Serial #: 3030 Inside Press@RunDepth: 67.99 psig @ 5560.00 ft (KB) Start Date: 2003.07.26 End Date: 2003.07.27 Start Time: 20:14:03 End Time: 06:07:29	Capacity: 7000.00 psig Last Calib.: 1899.12.30 Time On Btm: 2003.07.26 @ 23:09:59 Time Off Btm: 2003.07.27 @ 03:33:43
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TEST COMMENT: IF-fair blow built to 6 inches
 IS-no blow back
 FF-fair blow built to 7.5 inches
 FSI-no blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2826.56	128.35	Initial Hydro-static
1	59.34	128.36	Open To Flow (1)
23	63.99	129.15	Shut-In (1)
87	140.83	130.97	End Shut-In (1)
88	65.01	130.98	Open To Flow (2)
140	67.99	131.23	Shut-In (2)
263	285.27	132.40	End Shut-In (2)
264	2768.50	132.44	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
62.00	5% G 95% M	0.30

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raydon Exploration Inc

Wettstein 3-33

9400 N Broadway Ste 400 Oklahoma City OK
73114

33-32-32

Job Ticket: 16086

DST#: 3

ATTN: Ed Greives

Test Start: 2003.07.26 @ 20:13:59

Tool Information

Drill Pipe:	Length: 5196.00 ft	Diameter: 3.80 inches	Volume: 72.89 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: 363.00 ft	Diameter: 2.25 inches	Volume: 1.79 bbl	Weight to Pull Loose: 120000.0 lb
		Total Volume: 74.68 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	5558.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	83.00 ft			
Tool Length:	105.00 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			5537.00	
S.I. Tool	5.00			5542.00	
HMV	5.00			5547.00	
Safety Joint	2.00			5549.00	
Packer	5.00			5554.00	22.00 Bottom Of Top Packer
Packer	4.00			5558.00	
Stubb	1.00			5559.00	
Perforations	1.00			5560.00	
Recorder	0.00	3030	Inside	5560.00	
Change Over Sub	1.00			5561.00	
Blank Spacing	63.00			5624.00	
Change Over Sub	1.00			5625.00	
Perforations	13.00			5638.00	
Recorder	0.00	11019	Outside	5638.00	
Bullnose	3.00			5641.00	83.00 Bottom Packers & Anchor

Total Tool Length: 105.00

111654

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		FLUID SUMMARY
	Raydon Exploration Inc		Wettstein 3-33
	9400 N Broadway Ste 400 Oklahoma City OK 73114		33-32-32
	ATTN: Ed Greives		Job Ticket: 16086 DST#: 3 Test Start: 2003.07.26 @ 20:13:59

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length:	Water Salinity:	ppm
Viscosity: 46.00 sec/qt	Cushion Volume:		
Water Loss: 4.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure:		
Salinity: 2100.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	5% G 95% M	0.305

Total Length: 62.00 ft	Total Volume: 0.305 bbl	
Num Fluid Samples: 0	Num Gas Bombs: 0	Serial #:
Laboratory Name:	Laboratory Location:	
Recovery Comments:		

Serial #: 3030

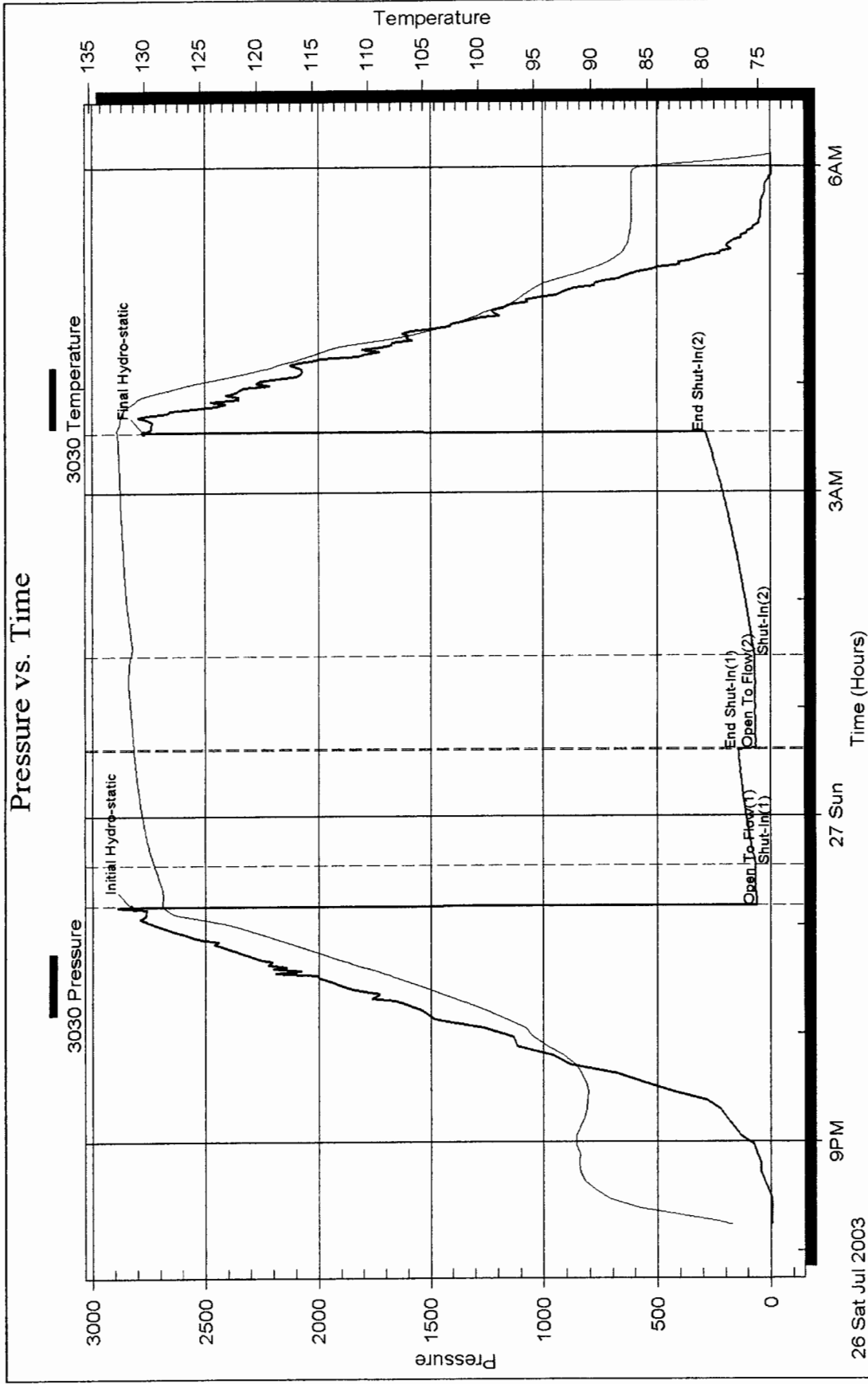
Inside

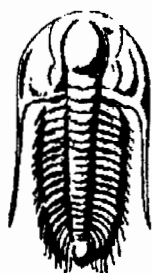
Raydon Exploration Inc

33-32-32

DST Test Number: 3

Pressure vs. Time





TRILOBITE
TESTING, INC.

RECEIVED

SEP 12 2003

KCC WICHITA

DRILL STEM TEST REPORT

Prepared For: **Raydon Exploration Inc**

9400 N Broadway Ste 400 Oklahoma City OK
73114

ATTN: Ed Greives

33-32-32

Wettstein 3-33

Start Date: 2003.07.27 @ 20:49:10

End Date: 2003.07.28 @ 06:35:40

Job Ticket #: 16087

DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Raydon Exploration Inc

Wettstein 3-33

9400 N Broadway Ste 400 Oklahoma City OK
73114

33-32-32

Job Ticket: 16087

DST#: 4

ATTN: Ed Greives

Test Start: 2003.07.27 @ 20:49:10

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:39:25

Time Test Ended: 06:35:40

Test Type: Conventional Bottom Hole

Tester: Blake Wallace

Unit No: 20

Interval: **5638.00 ft (KB) To 5653.00 ft (KB) (TVD)**

Reference Elevations: 2825.00 ft (KB)

Total Depth: 5653.00 ft (KB) (TVD)

2813.00 ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 3030

Inside

Press@RunDepth: 50.61 psig @ 5640.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2003.07.27

End Date:

2003.07.28

Last Calib.: 1899.12.30

Start Time: 20:49:14

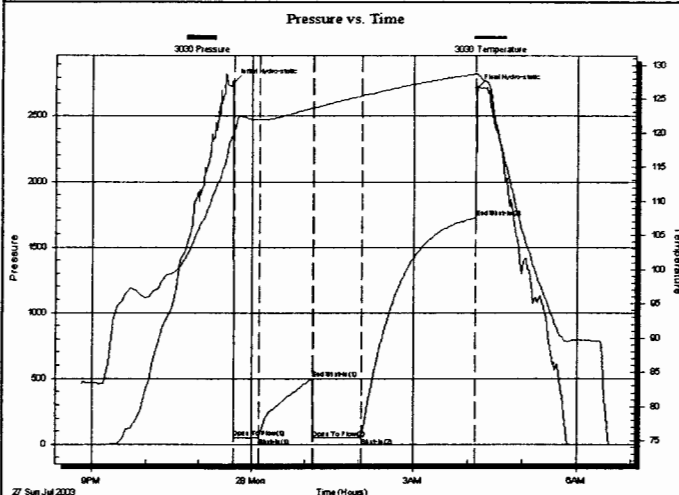
End Time:

06:35:40

Time On Btm: 2003.07.27 @ 23:38:25

Time Off Btm: 2003.07.28 @ 04:09:09

TEST COMMENT: IF-strong blow BOB 1 min
IS-no blow back
FF-strong blow BOB as soon as open
FSI-no blow back



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2764.08	119.78	Initial Hydro-static
1	46.42	120.17	Open To Flow (1)
30	51.97	121.87	Shut-In (1)
90	500.74	123.69	End Shut-In (1)
91	46.10	123.71	Open To Flow (2)
145	50.61	125.46	Shut-In (2)
271	1724.22	128.69	End Shut-In (2)
271	2720.20	128.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1240.00	GIP	14.09
93.00	10% M 90% G	1.30

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raydon Exploration Inc

Wettstein 3-33

9400 N Broadway Ste 400 Oklahoma City OK
73114

33-32-32

Job Ticket: 16087

DST#: 4

ATTN: Ed Greives

Test Start: 2003.07.27 @ 20:49:10

Tool Information

Drill Pipe:	Length: 5258.00 ft	Diameter: 3.80 inches	Volume: 73.76 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: 363.00 ft	Diameter: 2.25 inches	Volume: 1.79 bbl	Weight to Pull Loose: 120000.0 lb
		Total Volume: 75.55 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 85000.00 lb
Depth to Top Packer:	5638.00 ft			Final 85000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	37.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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C.O. Sub	1.00			5617.00	
S.I. Tool	5.00			5622.00	
HMV	5.00			5627.00	
Safety Joint	2.00			5629.00	
Packer	5.00			5634.00	22.00 Bottom Of Top Packer
Packer	4.00			5638.00	
Stubb	1.00			5639.00	
Perforations	1.00			5640.00	
Recorder	0.00	3030	Inside	5640.00	
Perforations	10.00			5650.00	
Recorder	0.00	11019	Outside	5650.00	
Bullnose	3.00			5653.00	15.00 Bottom Packers & Anchor

Total Tool Length: 37.00

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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Raydon Exploration Inc

Wettstein 3-33

9400 N Broadway Ste 400 Oklahoma City OK
73114

33-32-32

Job Ticket: 16087

DST#: 4

ATTN: Ed Greives

Test Start: 2003.07.27 @ 20:49:10

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: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 4.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1240.00	GIP	14.087
93.00	10% M 90% G	1.305

Total Length: 1333.00 ft

Total Volume: 15.392 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

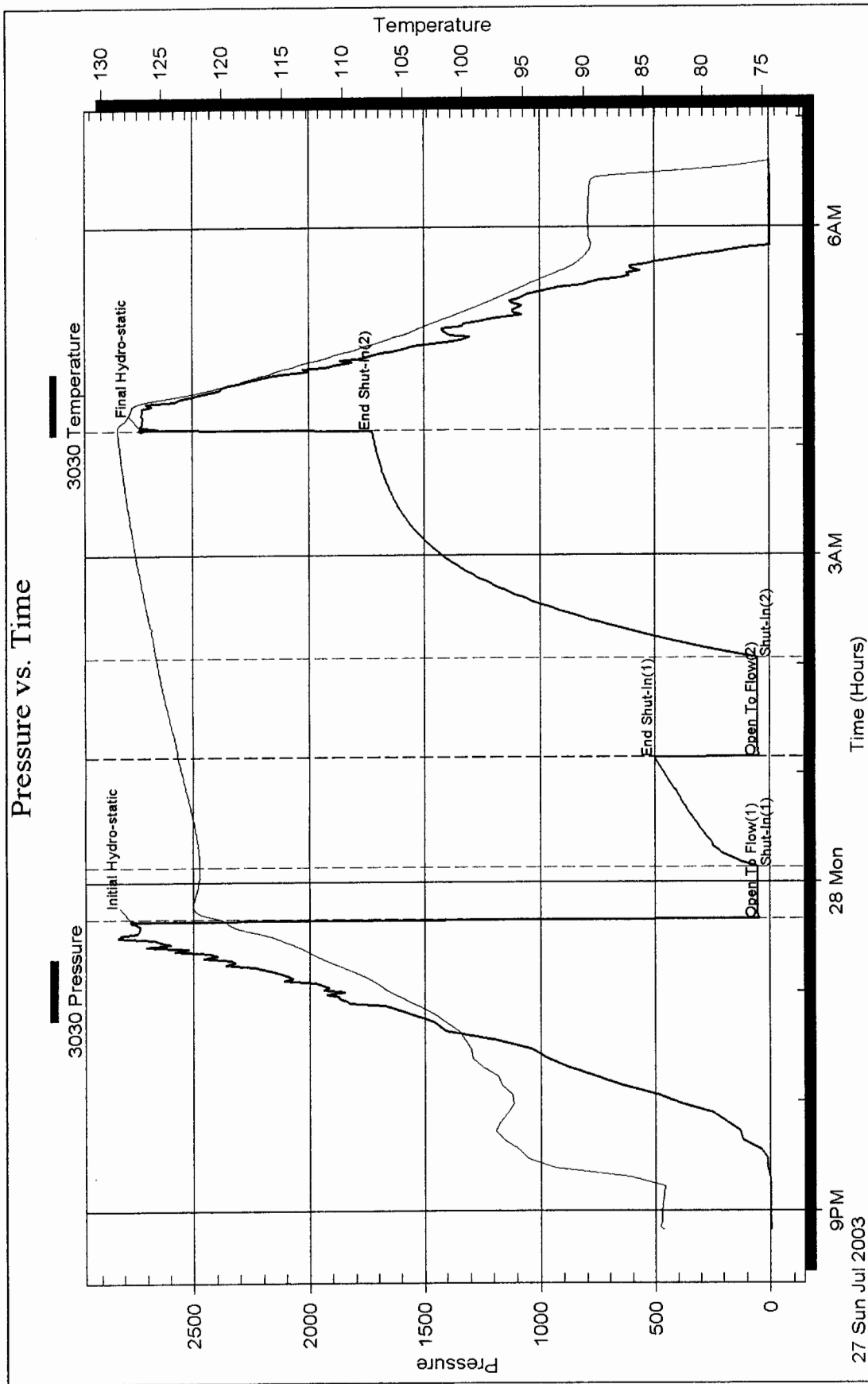
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

RECEIVED
SEP 12 2003
KCC WICHITA

DRILL STEM TEST REPORT

Prepared For: **Raydon Exploration Inc**

9400 N Broadway Ste 400 Oklahoma City OK
73114

ATTN: Ed Greives

33-32-32

Wettstein 3-33

Start Date: 2003.07.29 @ 15:40:21

End Date: 2003.07.30 @ 11:41:36

Job Ticket #: 17128 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Raydon Exploration Inc

Wettstein 3-33

9400 N Broadway Ste 400 Oklahoma City OK
73114

33-32-32

Job Ticket: 17128

DST#: 5

ATTN: Ed Greives

Test Start: 2003.07.29 @ 15:40:21

GENERAL INFORMATION:

Formation: **Chester**

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

Time Tool Opened: 18:26:06

Time Test Ended: 11:41:36

Test Type: **Conventional Bottom Hole**

Tester: **Gary Pevoteaux**

Unit No: **23**

Interval: **5704.00 ft (KB) To 5790.00 ft (KB) (TVD)**

Total Depth: **5790.00 ft (KB) (TVD)**

Hole Diameter: **7.78 inches** Hole Condition: **Fair**

Reference Elevations: **2825.00 ft (KB)**

2813.00 ft (CF)

KB to GR/CF: **12.00 ft**

Serial #: **2342**

Inside

Press@RunDepth: **1420.60 psig @ 5705.00 ft (KB)**

Start Date: **2003.07.29**

End Date:

2003.07.30

Start Time: **15:40:22**

End Time:

11:41:35

Capacity: **7000.00 psig**

Last Calib.: **2003.07.30**

Time On Btm: **2003.07.29 @ 18:23:51**

Time Off Btm: **2003.07.29 @ 23:02:21**

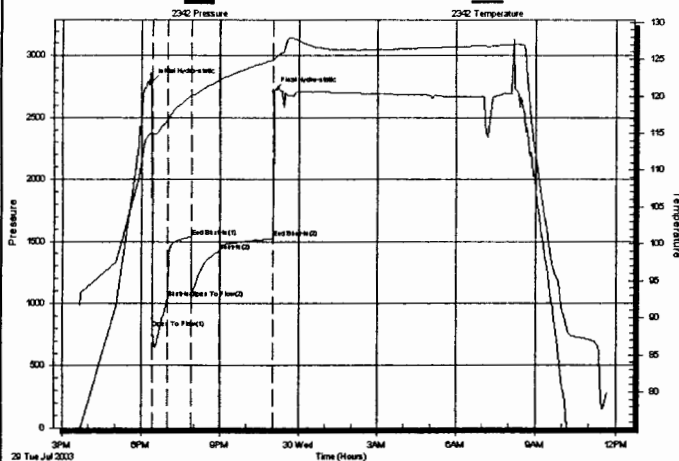
TEST COMMENT: IF: Strong blow. GTS in 3.5 mins. (see gas volume report)

IS: Strong blow. Venting throughout.

FF: Strong blow. (see gas volume report)

FSI: Venting throughout.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2783.84	115.00	Initial Hydro-static
3	797.35	114.92	Open To Flow (1)
36	1040.66	116.83	Shut-In (1)
92	1537.51	120.13	End Shut-In (1)
92	1106.29	120.12	Open To Flow (2)
155	1420.60	122.16	Shut-In (2)
278	1524.25	124.92	End Shut-In (2)
279	2712.67	124.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GOCM 15%g 25%o 60%m	0.59
5480.00	Gassy oil 38%g 62%o	74.68

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	20.00	232.05
Last Gas Rate	0.25	1.00	24.43
Max. Gas Rate	0.50	20.00	232.05



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raydon Exploration Inc

Wettstein 3-33

9400 N Broadway Ste 400 Oklahoma City OK
73114

33-32-32

Job Ticket: 17128

DST#: 5

ATTN: Ed Greives

Test Start: 2003.07.29 @ 15:40:21

Tool Information

Drill Pipe:	Length: 5349.00 ft	Diameter: 3.80 inches	Volume: 75.03 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: 22000.00 lb
Drill Collar:	Length: 360.00 ft	Diameter: 2.25 inches	Volume: 1.77 bbl	Weight to Pull Loose: 135000.0 lb
		Total Volume:	76.80 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 83000.00 lb
Depth to Top Packer:	5704.00 ft			Final 110000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	86.00 ft			
Tool Length:	113.00 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			5678.00	
S.I. Tool	5.00			5683.00	
HMV	5.00			5688.00	
Jars	5.00			5693.00	
Safety Joint	2.00			5695.00	
Packer	4.00			5699.00	27.00 Bottom Of Top Packer
Packer	5.00			5704.00	
Stubb	1.00			5705.00	
Recorder	0.00	2342	Inside	5705.00	
Perforations	15.00			5720.00	
C.O. Sub	1.00			5721.00	
Blank Spacing	63.00			5784.00	
C.O. Sub	1.00			5785.00	
Recorder	0.00	13222	Outside	5785.00	
Bullnose	5.00			5790.00	86.00 Bottom Packers & Anchor

Total Tool Length: 113.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Raydon Exploration Inc

Wettstein 3-33

9400 N Broadway Ste 400 Oklahoma City OK
73114

33-32-32

Job Ticket: 17128

DST#: 5

ATTN: Ed Greives

Test Start: 2003.07.29 @ 15:40:21

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35.2 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

3000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 4.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	GOCM 15%g 25%o 60%m	0.590
5480.00	Gassy oil 38%g 62%o	74.684

Total Length: 5600.00 ft

Total Volume: 75.274 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #: gp-5

Laboratory Name: Caraway

Laboratory Location: Liberal KS

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Raydon Exploration Inc

Wettstein 3-33

9400 N Broadway Ste 400 Oklahoma City OK
73114

33-32-32

Job Ticket: 17128

DST#: 5

ATTN: Ed Greives

Test Start: 2003.07.29 @ 15:40:21

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	5	0.50	20.00	232.05
1	10	0.50	6.00	137.61
1	20	0.25	2.00	26.02
1	30	0.25	3.00	27.60
2	10	0.25	2.00	26.02
2	20	0.25	2.00	26.02
2	30	0.25	1.00	24.43
2	40	0.25	1.00	24.43

Serial #: 2342

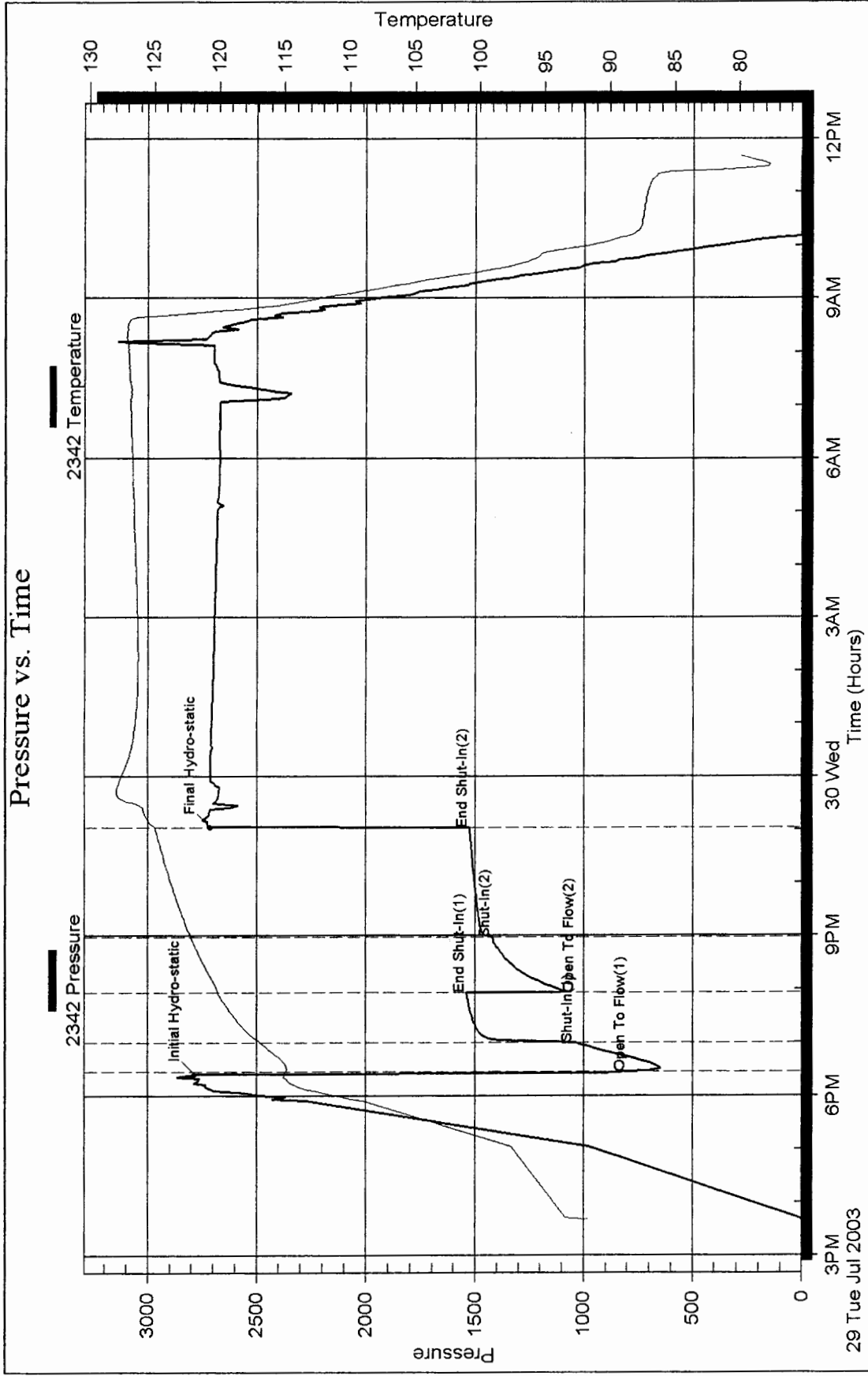
Inside

Raydon Exploration Inc

33-32-32

DST Test Number: 5

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 17128

Printed: 2003.08.04 @ 14:48:32 Page 6

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