

15-097-21558

20-30s-19w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Oil Producers of Kansas**

P O Box 8647
Wichita Ks 67208

ATTN: Diana Richecky

20-30-19-Kiowa-Ks

Hayse # 1-20

Start Date: 2004.12.11 @ 06:55:50

End Date: 2004.12.11 @ 15:33:20

Job Ticket #: 21154 DST #: 1

15-097-21558

E2 SE NE

3300 FSL 330 FWL

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Trilobite Testing, Inc

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TESTING, INC.

DRILL STEM TEST REPORT

Oil Producers of Kansas

P O Box 8647
Wichita Ks 67208

ATTN: Diana Richecky

Hayse # 1-20

20-30-19-Kiowa-Ks

Job Ticket: 21154

DST#: 1

Test Start: 2004.12.11 @ 06:55:50

GENERAL INFORMATION:

Formation: Miss

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:20:50

Time Test Ended: 15:33:20

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: 5066.00 ft (KB) To 5110.00 ft (KB) (TVD)

Total Depth: 5110.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2265.00 ft (KB)

2260.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press@RunDepth: 162.70 psig @ 5070.00 ft (KB)

Start Date: 2004.12.11

End Date:

2004.12.11

Start Time: 06:55:51

End Time:

15:33:20

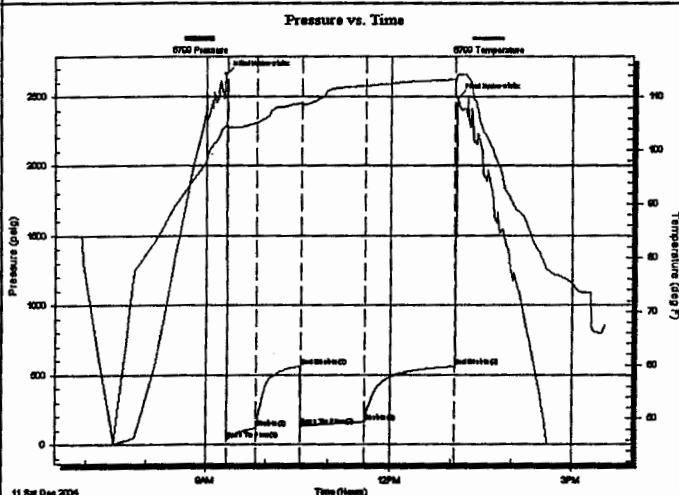
Capacity: 7000.00 psig

Last Calib.: 2004.12.11

Time On Btm: 2004.12.11 @ 09:18:50

Time Off Btm: 2004.12.11 @ 13:06:20

TEST COMMENT: IF-Weak building to 8"
FF-Weak building to 3"
Times-30-45-60-90



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2659.92	104.68	Initial Hydro-static
2	38.10	104.24	Open To Flow (1)
32	120.26	105.21	Shut-In(1)
75	563.46	108.95	End Shut-In(1)
76	133.39	108.73	Open To Flow (2)
137	162.70	112.06	Shut-In(2)
225	560.02	113.28	End Shut-In(2)
228	2491.07	114.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	Mdy Wtr	1.18
70.00	DM	0.94

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Oil Producers of Kansas

Hayse # 1-20

P O Box 8647
Wichita Ks 67208

20-30-19-Kiowa-Ks

Job Ticket: 21154

DST#: 1

ATTN: Diana Richecky

Test Start: 2004.12.11 @ 06:55:50

Tool Information

Drill Pipe:	Length: 4817.00 ft	Diameter: 3.80 inches	Volume: 67.57 bbl	Tool Weight: 2800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 245.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 70000.00 lb
			Total Volume: 68.77 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	5066.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	73.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5038.00	
Shut In Tool	5.00			5043.00	
Hydraulic tool	5.00			5048.00	
Jars	5.00			5053.00	
Safety Joint	3.00			5056.00	
Packer	5.00			5061.00	29.00 Bottom Of Top Packer
Packer	5.00			5066.00	
Stubb	1.00			5067.00	
Perforations	2.00			5069.00	
Change Over Sub	1.00			5070.00	
Recorder	0.00	6799	Inside	5070.00	
Drill Pipe	31.00			5101.00	
Change Over Sub	1.00			5102.00	
Perforations	5.00			5107.00	
Recorder	0.00	13254	Outside	5107.00	
Bullnose	3.00			5110.00	44.00 Bottom Packers & Anchor
Total Tool Length:	73.00				

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FLUID SUMMARY

Oil Producers of Kansas

Hayse # 1-20

P O Box 8647
Wichita Ks 67208

20-30-19-Kiowa-Ks

Job Ticket: 21154

DST#: 1

ATTN: Diana Richecky

Test Start: 2004.12.11 @ 06:55:50

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:

77000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	Mdy Wtr	1.180
70.00	DM	0.936

Total Length: 310.00 ft Total Volume: 2.116 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .13 @ 76.6 = 77000 ppm

DST Test Number: 1

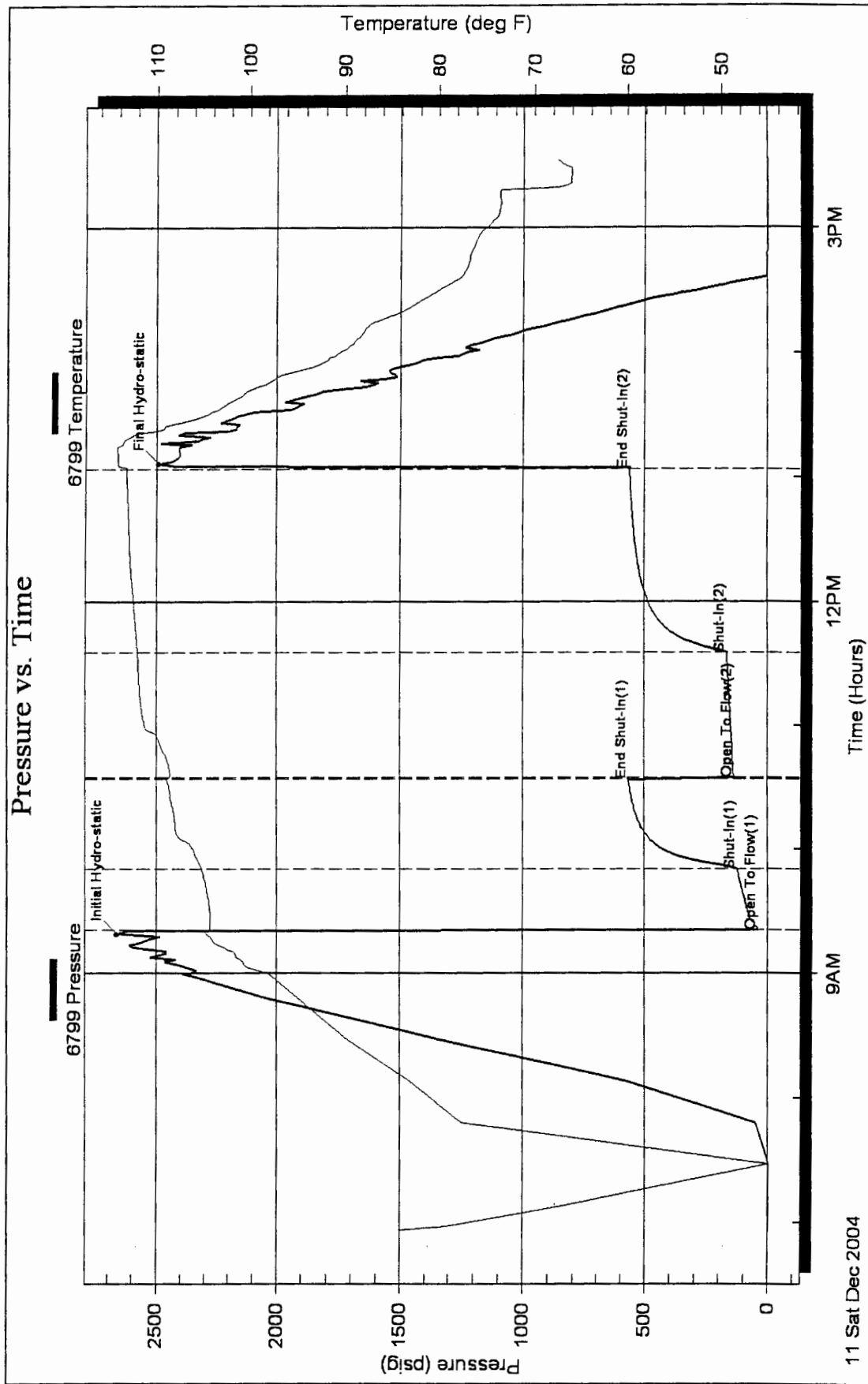
20-30-19-Kiow a-Ks

Oil Producers of Kansas

Inside

Serial #: 6799

Pressure vs. Time



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Ref. No: 21154

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