

15-051-25085-0000



DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations I**

PO Box 33
Russell, KS 67665

ATTN: Todd Morgenstern **ORIGINAL**

27-11s-19w Ellis KS

Vine #1

Start Date: 2001.04.11 @ 19:00:00

End Date: 2001.04.12 @ 04:30:00

Job Ticket #: 14326 DST #: 1

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Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
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Mai Oil Operations I
Vine #1
27-11s-19w Ellis KS
DST #: 1
Arb.
2001.04.11



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mai Oil Operations I
 PO Box 33
 Russell, KS 67665
 ATTN: Todd Morgenstern

Vine #1
 27-11s-19w Ellis KS
 Job Ticket: 14326 DST#: 1
 Test Start: 2001.04.11 @ 19:00:00

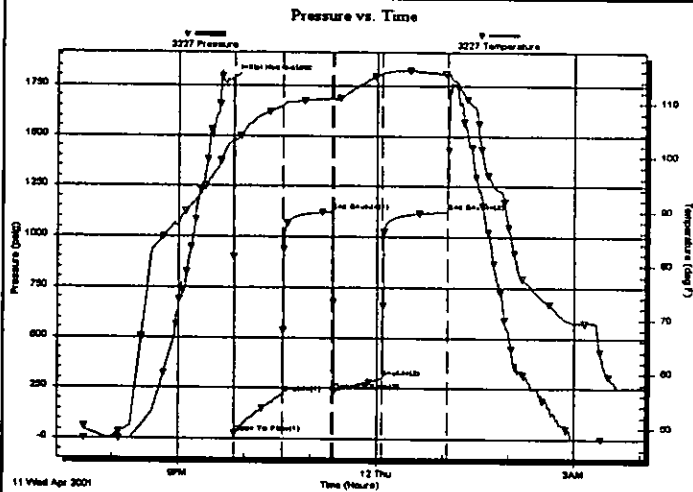
GENERAL INFORMATION:

Formation: Arb.
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:50:00
 Time Test Ended: 04:30:00
 Interval: 3591.00 ft (KB) To 3634.00 ft (KB) (TVD)
 Total Depth: 3634.00 ft (KB)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole
 Tester: John Schmidt
 Unit No: 18
 Reference Elevations: 2116.00 ft (KB)
 2111.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 3227 Inside
 Press@RunDepth: 297.97 psig @ 3597.01 ft (KB)
 Start Date: 2001.04.11 End Date: 2001.04.12 Capacity: 7000.00 psig
 Start Time: 19:34:05 End Time: 03:39:29 Last Calib.: 2001.04.12
 Time On Btm: 2001.04.11 @ 21:49:00
 Time Off Btm:

TEST COMMENT: IF-Weak To Bot. In 21 Min.
 FF-Weak To Bot. In 25 Min.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
135	1778.80	103.00	Initial Hydro-static
136	23.58	103.00	Open To Flow (1)
180	218.20	109.60	Shut-In(1)
225	1125.86	110.89	End Shut-In(1)
226	231.06	110.83	Open To Flow (2)
270	297.97	115.50	Shut-In(2)
331	1124.09	115.48	End Shut-In(2)

Recovery

Length (ft)	Description	Volume (bbl)
660.00	Gassy Oil	4.89

Gas Rates

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

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mai Oil Operations I

Vine #1

PO Box 33
Russell, KS 67665

27-11s-19w Ellis KS

Job Ticket: 14326

DST#: 1

ATTN: Todd Morgenstern

Test Start: 2001.04.11 @ 19:00:00

Tool Information

Drill Pipe:	Length: 3095.00 ft	Diameter: 3.80 inches	Volume: 43.41 bbl	Tool Weight: 3000.00 lb
Drill Collar:	Length: 480.00 ft	Diameter: 2.25 inches	Volume: 2.36 bbl	Weight set on Packer: 20000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
Drill Pipe Above KB:	4.00 ft			Tool Chased 0.00 ft
Depth to Top Packer:	3586.00 ft			String Weight: Initial 60000.00 lb
Depth to Bottom Packer:	ft			Final 62000.00 lb
Interval between Packers:	ft			
Tool Length:	63.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

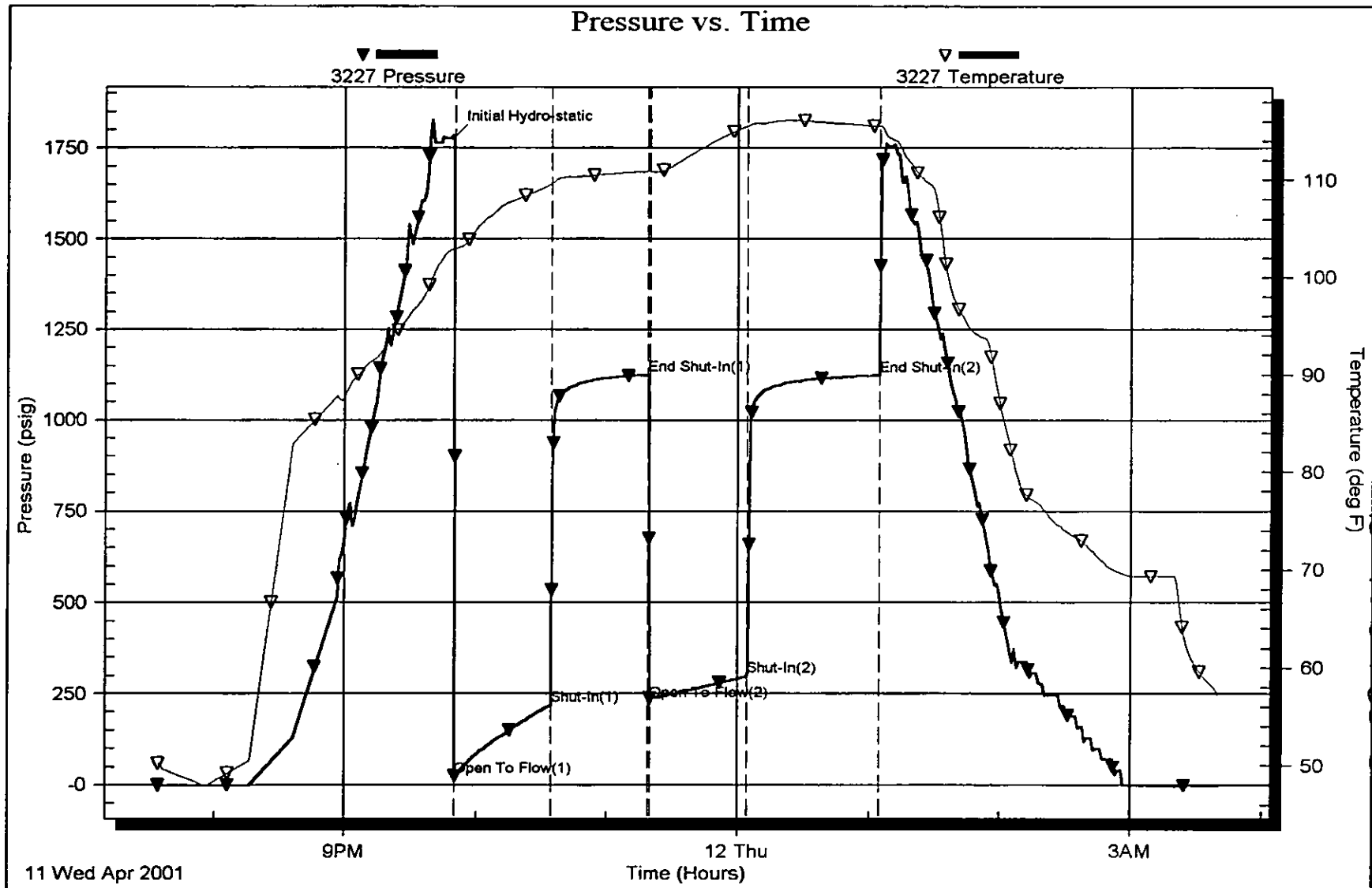
Tool Comments

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

C.O. Sub	1.00			3572.00	
S.I. Tool	5.00			3577.00	
HMV	5.00			3582.00	
Packer	4.00			3586.00	15.00 Bottom Of Top Packer
Packer	5.00			3591.00	
Stubb	1.00			3592.00	
Perforations	4.00			3596.00	
C.O. Sub	1.00			3597.00	
Recorder	0.01	3227	Inside	3597.01	
Blank Spacing	31.00			3628.01	
C.O. Sub	1.00			3629.01	
Perforations	2.00			3631.01	
Recorder	0.01	13308	Outside	3631.02	
Bullnose	3.00			3634.02	48.02 Bottom Packers & Anchor

Total Tool Length: 63.02



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