

JAN 30

17-11s-20w

15-091-25072



ORIGINAL

DRILL STEM TEST REPORT

Prepared For: **Imperial American Oi**

10004 W.20 St. North
Wichita, Ks. 67212

ATTN: Randy Kilian

17-11s-20w Ellis co

Rosemary #17-1X

Start Date: 2000.12.31 @ 04:33:00

End Date: 2000.12.31 @ 12:46:00

Job Ticket #: 13963 DST #: 1

Trilobite Testing Inc.

Box 362 Hays KS 67601

785.625.4778 trilobite@eaglecom.net

Imperial American Oi

Rosemary #17-1

17-11s-20w Ellis co

DST #: 1

Toronto-LKC "F"

2000.12.31



DRILL STEM TEST REPORT

Imperial American Oil

Rosemary #17-1

10004 W.20 St. North
Wichita, Ks. 67212

17-11s-20w Ellis co

Job Ticket: 13963

DST#: 1

ATTN: Randy Kilian

Test Start: 2000.12.31 @ 04:33:00

GENERAL INFORMATION:

Formation: **Toronto-LKC "F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:58:44

Time Test Ended: 12:46:00

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 18

Interval: **3357.00 ft (KB) To 3495.00 ft (KB) (TVD)**

Total Depth: **6495.00 ft (KB)**

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2118.00 ft (KB)

2113.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **3227** Inside

Press@RunDepth: 172.69 psig @ 3370.01 ft (KB)

Start Date: 2000.12.31

End Date:

2000.12.31

Start Time: 04:33:49

End Time:

12:46:43

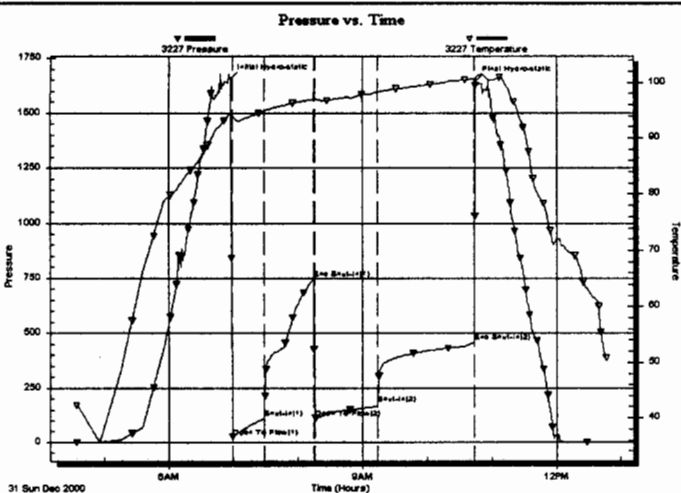
Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2000.12.31 @ 06:57:44

Time Off Btm: 2000.12.31 @ 10:45:13

TEST COMMENT: IF-Weak to Fair 3.5"
FF-Weak Blow 3"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
144	1655.21	94.27	Initial Hydro-static
145	20.99	94.10	Open To Flow (1)
175	108.98	94.79	Shut-in(1)
221	744.05	96.99	End Shut-in(1)
222	110.93	96.96	Open To Flow (2)
281	172.69	98.25	Shut-in(2)
370	458.40	100.63	End Shut-in(2)
372	1646.62	100.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
270.00	Mud With Few Oil Specks	1.60

Gas Rates

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

ORIGINAL



DRILL STEM TEST REPORT

TOOL DIAGRAM

Imperial American Oi
 10004 W.20 St. North
 Wichita, Ks. 67212
 ATTN: Randy Kilian

Rosemary #17-1
 17-11s-20w Ellis co
 Job Ticket: 13963 **DST#: 1**
 Test Start: 2000.12.31 @ 04:33:00

Tool Information

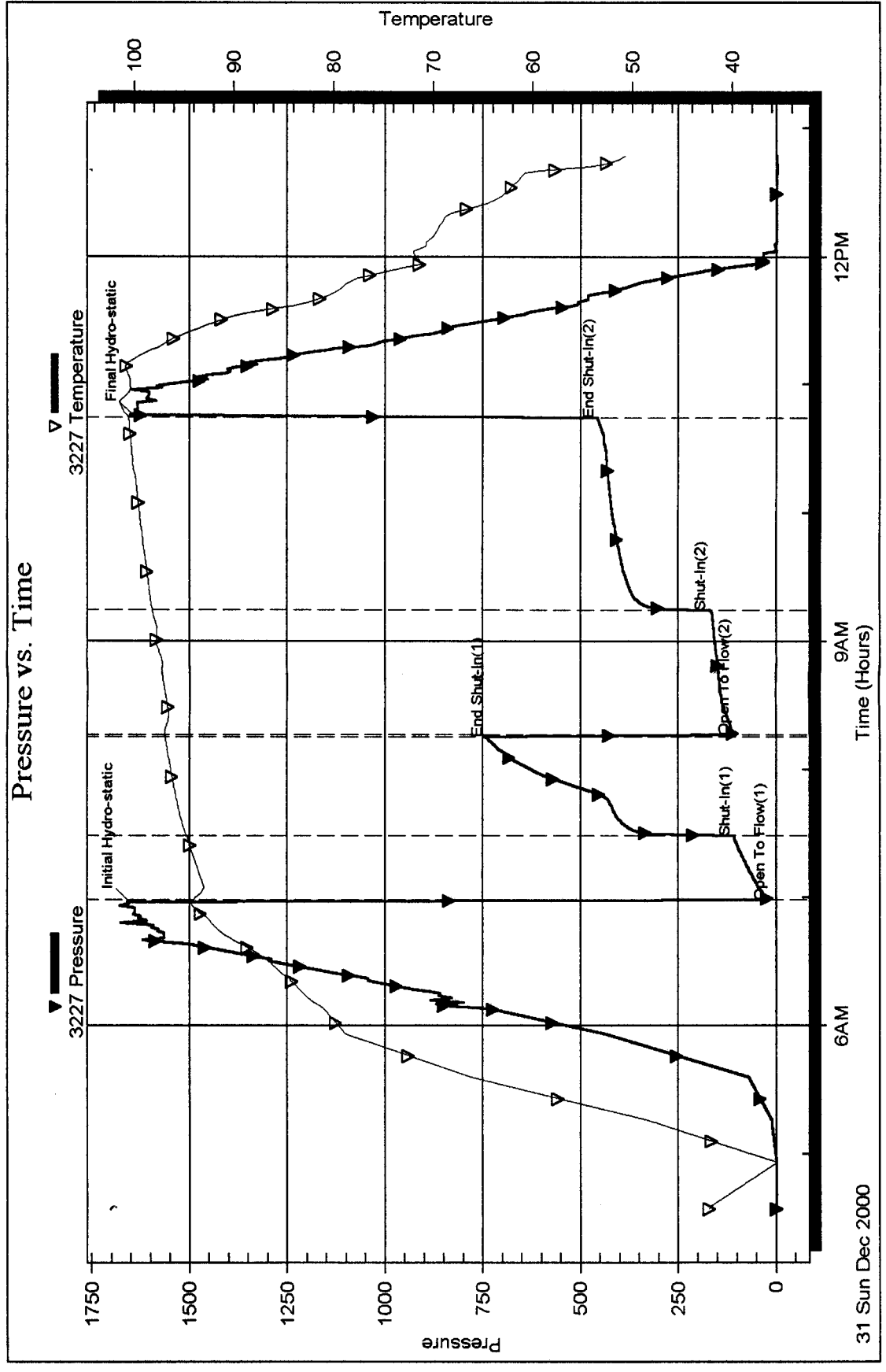
Drill Pipe:	Length: 3116.00 ft	Diameter: 3.80 inches	Volume: 43.71 bbl	Tool Weight: 3000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight set on Packer: 20000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
Drill Pipe Above KB:	9.00 ft			Tool Chased 0.00 ft
Depth to Top Packer:	3362.00 ft			String Weight: Initial 48000.00 lb
Depth to Bottom Packer:	ft			Final 48000.00 lb
Interval between Packers:	ft			
Tool Length:	148.02 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			3348.00	
S.I. Tool	5.00			3353.00	
HMV	5.00			3358.00	
Packer	4.00			3362.00	15.00 Bottom Of Top Packer
Packer	5.00			3367.00	
Stubb	1.00			3368.00	
Perforations	2.00			3370.00	
Recorder	0.01	3227	Inside	3370.01	
Perforations	25.00			3395.01	
C.O. Sub	1.00			3396.01	
Blank Spacing	95.00			3491.01	
C.O. Sub	1.00			3492.01	
Recorder	0.01			3492.02	
Bullnose	3.00			3495.02	133.02 Bottom Packers & Anchor
Total Tool Length:		148.02			





DRILL STEM TEST REPORT

Prepared For: **Imperial American Oi**

10004 W.20 St. North
Wichita, Ks. 67212

ATTN: Randy Kilian

17-11s-20w Ellis co

Rosemary #17-1

Start Date: 2001.01.01 @ 04:00:00

End Date: 2001.01.01 @ 12:15:00

Job Ticket #: 13964 DST #: 2

Trilobite Testing Inc.

Box 362 Hays KS 67601

785.625.4778 trilobite@eaglecom.net

Imperial American Oi

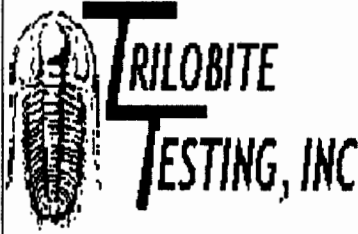
Rosemary #17-1

17-11s-20w Ellis co

DST #: 2

LKC - "H.L."

2001.01.01



DRILL STEM TEST REPORT

Imperial American Oil
 10004 W.20 St. North
 Wichita, Ks. 67212
 ATTN: Randy Kilian

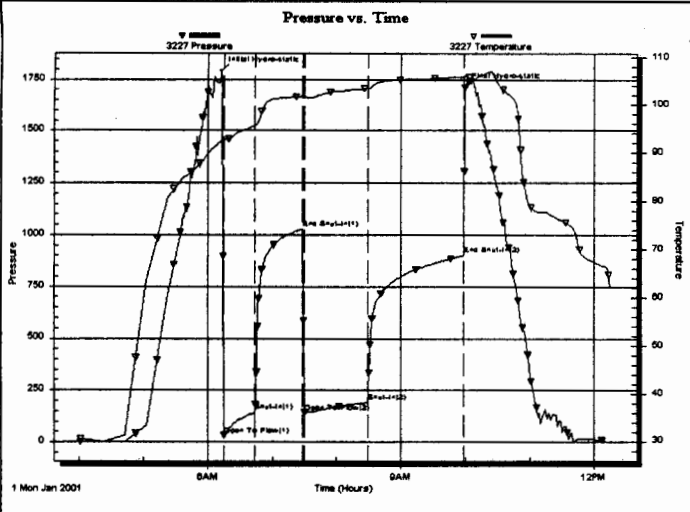
Rosemary #17-1
17-11s-20w Ellis co
 Job Ticket: 13964 **DST#: 2**
 Test Start: 2001.01.01 @ 04:00:00

GENERAL INFORMATION:

Formation: LKC - "H-L"
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:14:42
 Time Test Ended: 12:15:00
 Interval: 3530.00 ft (KB) To 3636.00 ft (KB) (TVD)
 Total Depth: 3636.00 ft (KB)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: John Schmidt
 Unit No: 18
 Reference Elevations: 2118.00 ft (KB)
 2113.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 3227 inside
 Press@RunDepth: 191.92 psig @ 3538.01 ft (KB)
 Start Date: 2001.01.01 End Date: 2001.01.01
 Start Time: 04:00:47 End Time: 12:15:11
 Capacity: 7000.00 psig
 Last Calib.: 1899.12.30
 Time On Btm: 2001.01.01 @ 06:12:12
 Time Off Btm: 2001.01.01 @ 09:59:12

TEST COMMENT: IF-Good Bottom In 18 Min.
 FF-Good Bottom In 20 Min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
132	1790.67	92.21	Initial Hydro-static
134	27.15	92.47	Open To Flow (1)
164	142.71	95.47	Shut-In(1)
208	1029.36	101.68	End Shut-In(1)
209	141.09	101.62	Open To Flow (2)
269	191.92	103.34	Shut-In(2)
358	899.92	105.79	End Shut-In(2)
359	1712.33	105.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
400.00	Mud cut oil 60%oil 40% mud	3.38
0.00	125' Gas in pipe	0.00

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Imperial American Oi

Rosemary #17-1

10004 W.20 St. North
Wichita, Ks. 67212

17-11s-20w Ellis co

Job Ticket: 13964

DST#: 2

ATTN: Randy Kilian

Test Start: 2001.01.01 @ 04:00:00

Tool Information

Drill Pipe:	Length: 3274.00 ft	Diameter: 3.80 inches	Volume: 45.93 bbl	Tool Weight: 3000.00 lb
Drill Collar:	Length: 245.00 ft	Diameter: 2.25 inches	Volume: 1.20 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: 52000.00 lb
Drill Pipe Above KB:	9.00 ft			Tool Chased 0.00 ft
Depth to Top Packer:	3525.00 ft			String Weight: Initial 48000.00 lb
Depth to Bottom Packer:	ft			Final 48000.00 lb
Interval between Packers:	ft			
Tool Length:	126.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

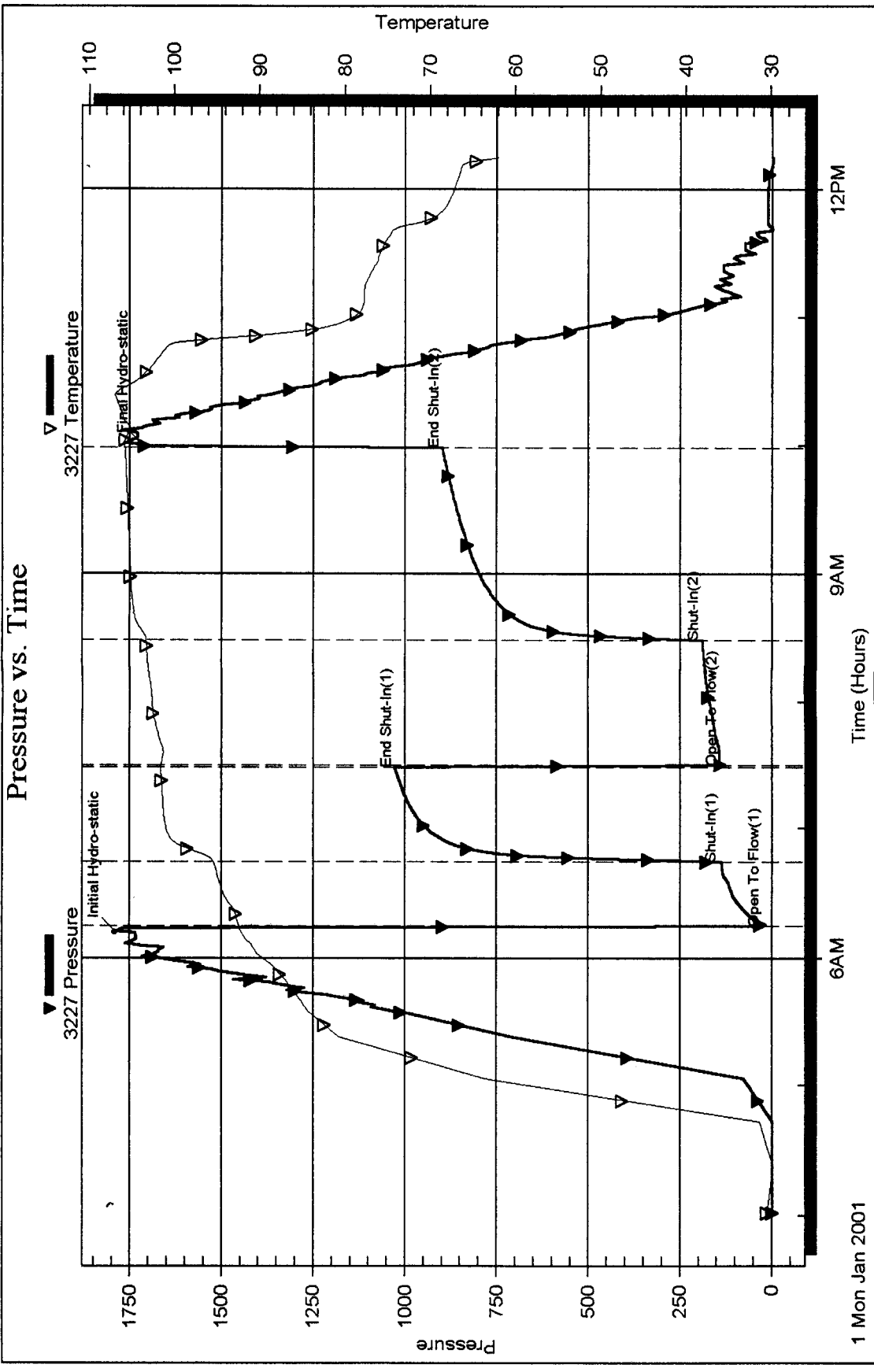
Tool Comments

Tool Description

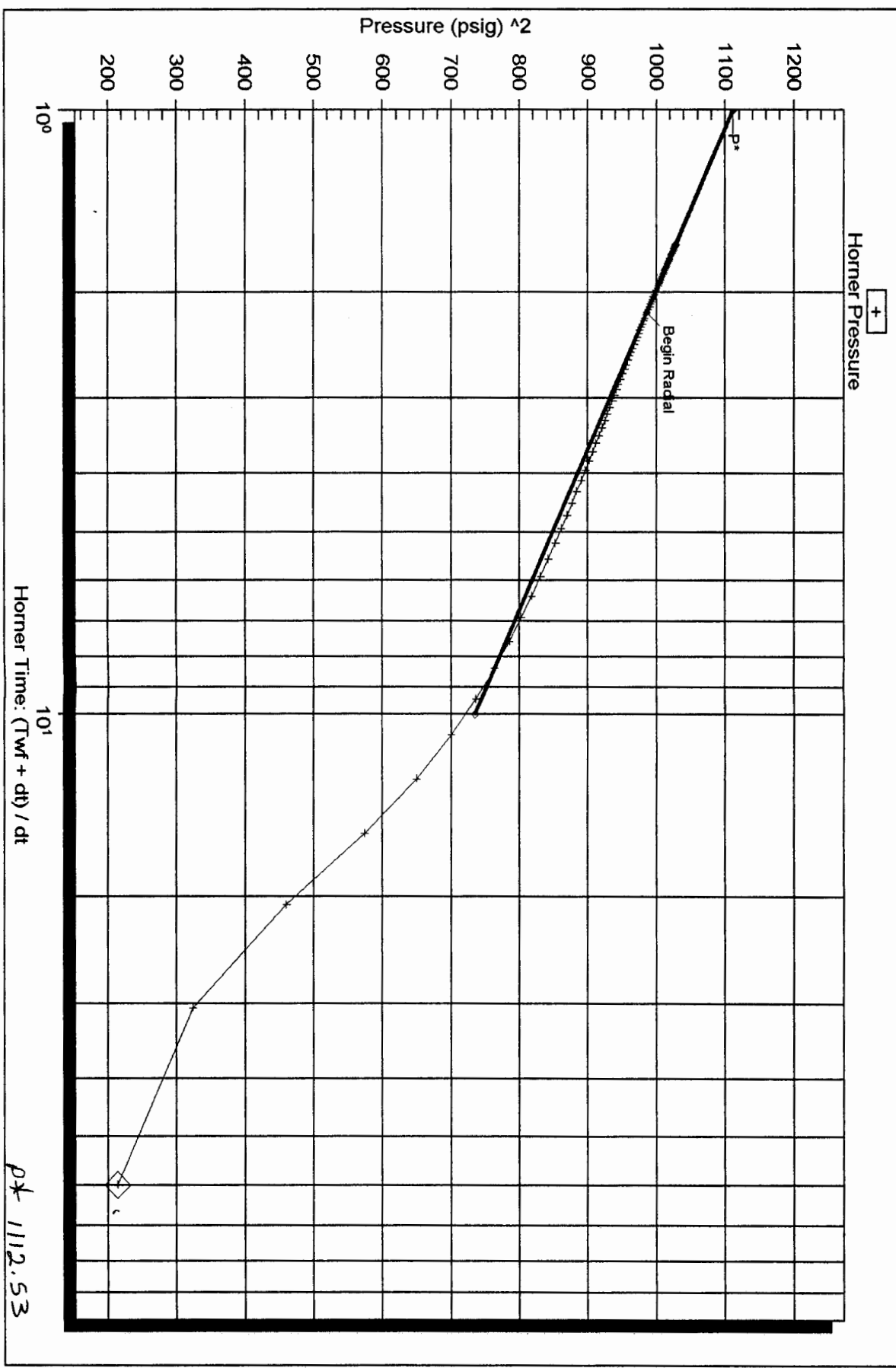
Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3511.00	
S.I. Tool	5.00			3516.00	
HMV	5.00			3521.00	
Packer	4.00			3525.00	15.00 Bottom Of Top Packer
Packer	5.00			3530.00	
Stubb	1.00			3531.00	
Perforations	6.00			3537.00	
C.O. Sub	1.00			3538.00	
Recorder	0.01	3227	Inside	3538.01	
Blank Spacing	94.00			3632.01	
C.O. Sub	1.00			3633.01	
Recorder	0.01			3633.02	
Bullnose	3.00			3636.02	111.02 Bottom Packers & Anchor

Total Tool Length: 126.02



Horner Plot

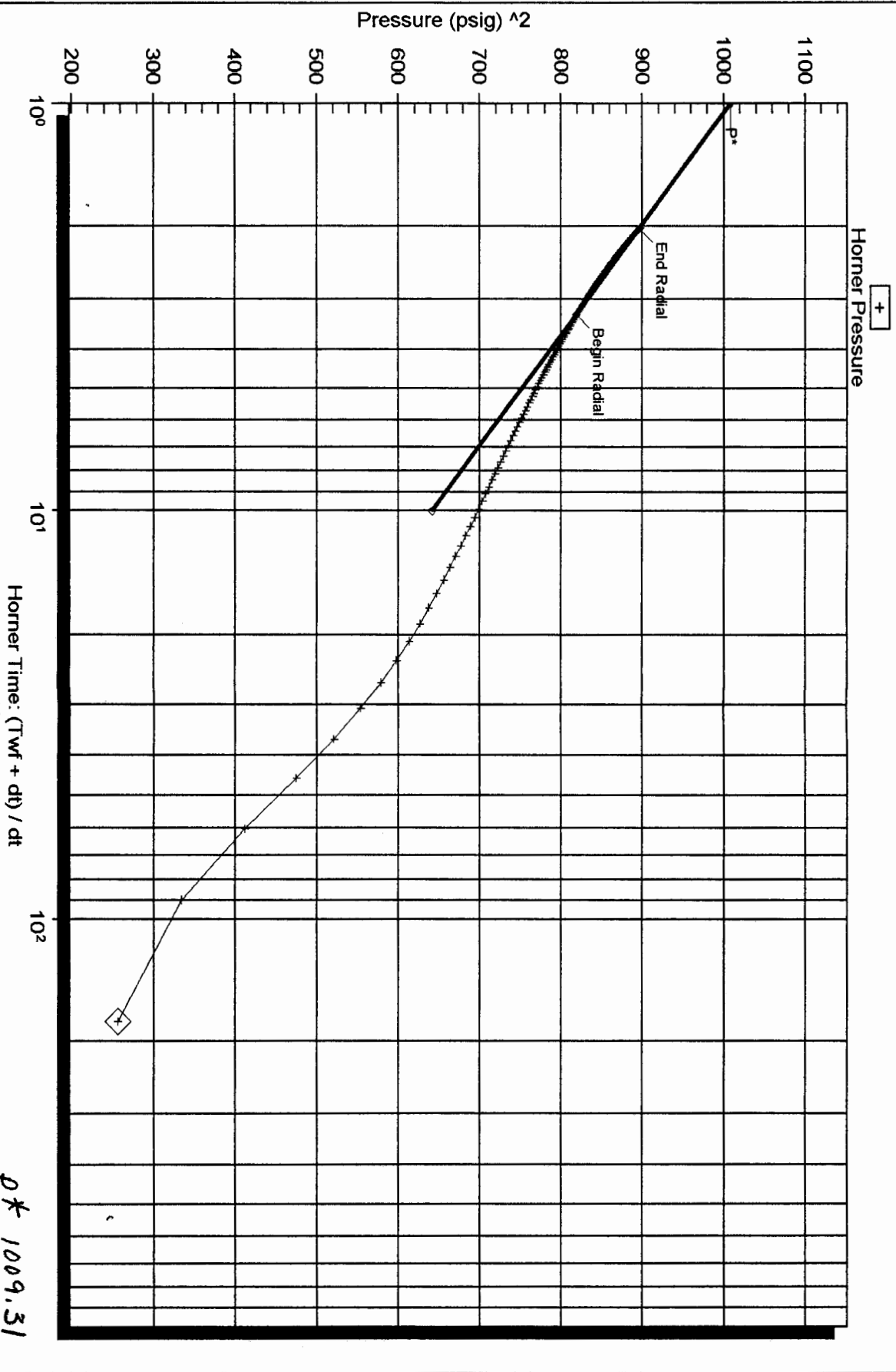


Serial Number: 3227 (Inside)

Horner Time: (Twf + dt) / dt

Flow Cycle: 1
P* 112.53

Horner Plot



Serial Number: 3227 (inside)

Flow Cycle: 2

P 1009.31*



DRILL STEM TEST REPORT

Prepared For: **Imperial American Oi**

10004 W.20 St. North
Wichita, Ks. 67212

ATTN: Randy Kilian

17-11s-20w Ellis co

Rosemary #17-1

Start Date: 2001.01.02 @ 01:54:00

End Date: 2001.01.02 @ 10:25:00

Job Ticket #: 13965 DST #: 3

Trilobite Testing Inc.

Box 362 Hays KS 67601

785.625.4778 trilobite@eaglecom.net

Imperial American Oi

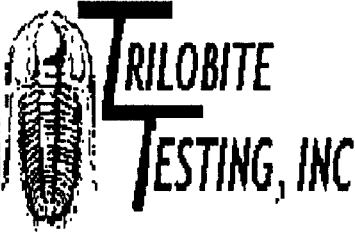
Rosemary #17-1

17-11s-20w Ellis co

DST #: 3

Arbuckle

2001.01.02



DRILL STEM TEST REPORT

Imperial American Oi
 10004 W.20 St. North
 Wichita, Ks. 67212
 ATTN: Randy Kilian

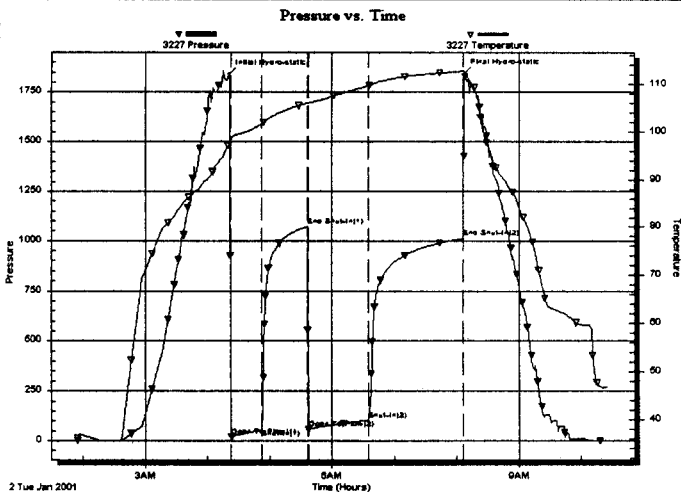
Rosemary #17-1
 17-11s-20w Ellis co
 Job Ticket: 13965 DST#: 3
 Test Start: 2001.01.02 @ 01:54:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:22:15
 Time Test Ended: 10:25:00
 Interval: **3700.00 ft (KB) To 3716.00 ft (KB) (TVD)**
 Total Depth: 3716.00 ft (KB)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: John Schmidt
 Unit No: 18
 Reference Elevations: 2118.00 ft (KB)
 2113.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: **3227** Inside
 Press@RunDepth: 102.74 psig @ 3703.01 ft (KB) Capacity: 7000.00 psig
 Start Date: 2001.01.02 End Date: 2001.01.02 Last Calib.: 1899.12.30
 Start Time: 01:54:20 End Time: 10:25:44 Time On Btm: 2001.01.02 @ 04:20:45
 Time Off Btm: 2001.01.02 @ 08:07:14

TEST COMMENT: IF-Weak-4.5" in.
 FF-Weak-2" in



PRESSURE SUMMARY

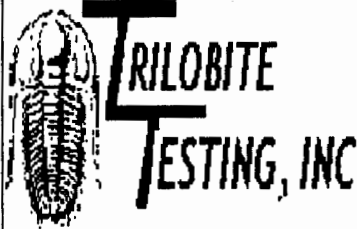
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
147	1839.64	97.65	Initial Hydro-static
148	18.88	98.37	Open To Flow (1)
178	53.77	101.66	Shut-In(1)
222	1070.59	106.02	End Shut-In(1)
223	58.06	105.99	Open To Flow (2)
281	102.74	109.76	Shut-In(2)
372	1012.17	112.76	End Shut-In(2)
373	1842.84	112.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
250.00	Heavy Oil	1.32

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Imperial American Oi

Rosemary #17-1

10004 W.20 St. North
Wichita, Ks. 67212

17-11s-20w Ellis co

Job Ticket: 13965

DST#: 3

ATTN: Randy Kilian

Test Start: 2001.01.02 @ 01:54:00

Tool Information

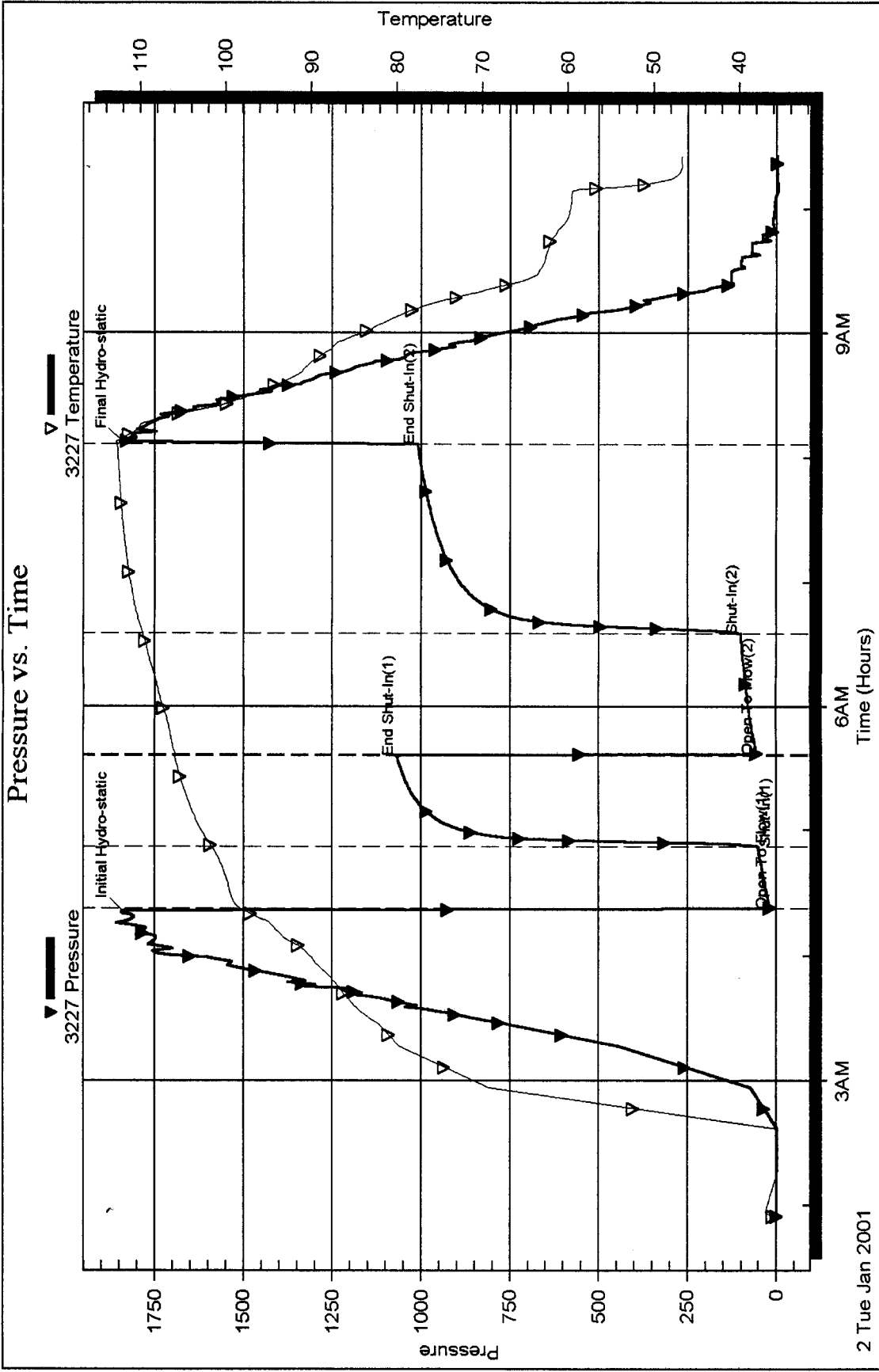
Drill Pipe:	Length: 3468.00 ft	Diameter: 3.80 inches	Volume: 48.65 bbl	Tool Weight: 2500.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight set on Packer: 20000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 56000.00 lb
Drill Pipe Above KB:	28.00 ft			Tool Chased 0.00 ft
Depth to Top Packer:	3695.00 ft			String Weight: Initial 50000.00 lb
Depth to Bottom Packer:	ft			Final 50000.00 lb
Interval between Packers:	ft			
Tool Length:	36.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments

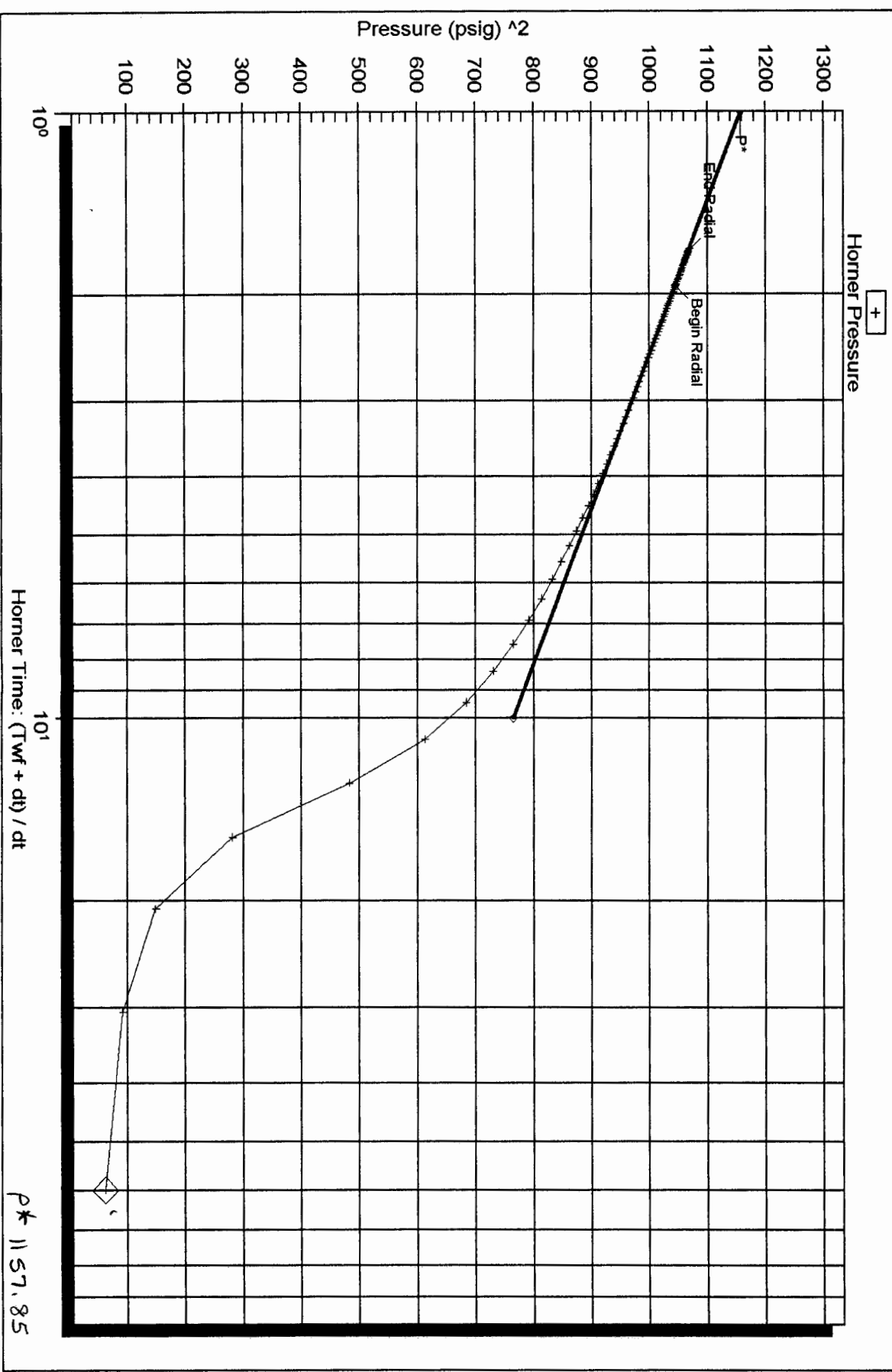
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3681.00	
S.I. Tool	5.00			3686.00	
HMV	5.00			3691.00	
Packer	4.00			3695.00	15.00 Bottom Of Top Packer
Packer	5.00			3700.00	
Stubb	1.00			3701.00	
Perforations	2.00			3703.00	
Recorder	0.01	3227	Inside	3703.01	
Perforations	10.00			3713.01	
Recorder	0.01			3713.02	
Bullnose	3.00			3716.02	21.02 Bottom Packers & Anchor

Total Tool Length: 36.02

Pressure vs. Time



Horner Plot



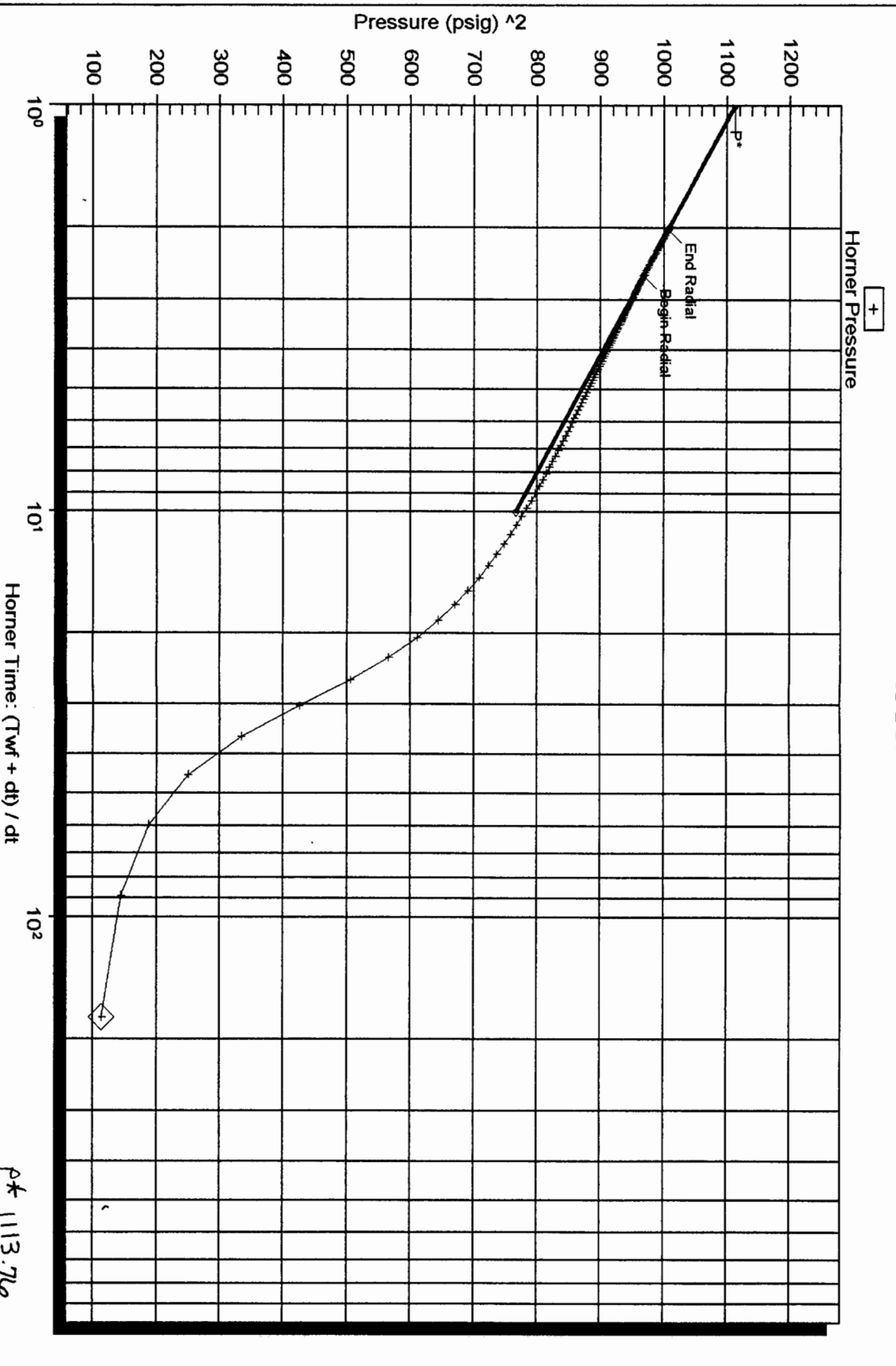
Serial Number: 3227 (Inside)

Horner Time: (Twf + dt) / dt

P* 1157.85

Flow Cycle: 1

Horner Plot



Serial Number: 3227 (inside)

Flow Cycle: 2



DRILL STEM TEST REPORT

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10004 W.20 St. North
Wichita, Ks. 67212

ATTN: Randy Kilian

17-11s-20w Ellis co

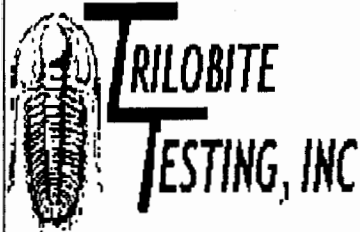
Rosemary #17-1

Start Date: 2001.01.02 @ 16:56:00

End Date: 2001.01.02 @ 00:45:00

Job Ticket #: 13966 DST #: 4

Trilobite Testing Inc.
Box 362 Hays KS 67601
785.625.4778 trilobite@eaglecom.net



DRILL STEM TEST REPORT

TOOL DIAGRAM

Imperial American Oi

Rosemary #17-1

10004 W.20 St. North
Wichita, Ks. 67212

17-11s-20w Ellis co

Job Ticket: 13966

DST#: 4

ATTN: Randy Kilian

Test Start: 2001.01.02 @ 16:56:00

Tool Information

Drill Pipe:	Length: 3468.00 ft	Diameter: 3.80 inches	Volume: 48.65 bbl	Tool Weight: 2500.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 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: lb
Drill Pipe Above KB:	10.00 ft			Tool Chased ft
Depth to Top Packer:	3713.00 ft			String Weight: Initial 50000.00 lb
Depth to Bottom Packer:	ft			Final lb
Interval between Packers:	ft			
Tool Length:	30.02 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			3699.00	
S.I. Tool	5.00			3704.00	
HMV	5.00			3709.00	
Packer	4.00			3713.00	15.00 Bottom Of Top Packer
Packer	5.00			3718.00	
Stubb	1.00			3719.00	
Recorder	0.01			3719.01	
Perforations	6.00			3725.01	
Recorder	0.01			3725.02	
Bullnose	3.00			3728.02	15.02 Bottom Packers & Anchor
Total Tool Length:	30.02				

Serial #: 3227

Imperial American Oil

17-11s-20w Ellis co

Pressure vs. Time

