

CONFIDENTIAL

2-11-16W
ORIGINAL

KCC

FEB 28 2001

CONFIDENTIAL



DRILL STEM TEST REPORT

Prepared For: **Imperial American Oi**

1000 W 20 St. North Wichita, KS 67212

15-051-25,074

ATTN: Randy Kilian

2-11s-16w Ellis KS

Angelica #2-1

Start Date: 2001.01.20 @ 01:30:00

End Date: 2001.01.20 @ 09:30:00

Job Ticket #: 13972

DST #: 1

RECEIVED
KANSAS CORPORATION COMMISSION

MAR 2 2001

CONSERVATION DIVISION

RELEASED

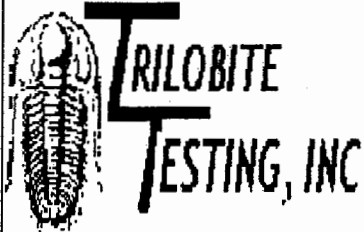
MAR 19 2002

FROM CONFIDENTIAL

Trilobite Testing Inc.

Box 362 Hays KS 67601

785.625.4778 trilobite@eaglecom.net



DRILL STEM TEST REPORT

Imperial American Oil

Angelica #2-1

1000 W 20 St. North Wichita, KS 67212

2-11s-16w Ellis KS

ATTN: Randy Kilian

Job Ticket: 13972

DST#: 1

Test Start: 2001.01.20 @ 01:30:00

GENERAL INFORMATION:

Formation: **Topeka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:36:00

Time Test Ended: 09:30:00

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 18

Interval: 3012.00 ft (KB) To 3030.00 ft (KB) (TVD)

Total Depth: 3030.00 ft (KB)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 2069.00 ft (KB)

2064.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 3227 Inside

Press@RunDepth: psig @ 3014.01 ft (KB)

Start Date: 2001.01.20

End Date:

2001.01.20

Capacity: 7000.00 psig

Last Calib.: 2001.01.20

Start Time: 02:19:06

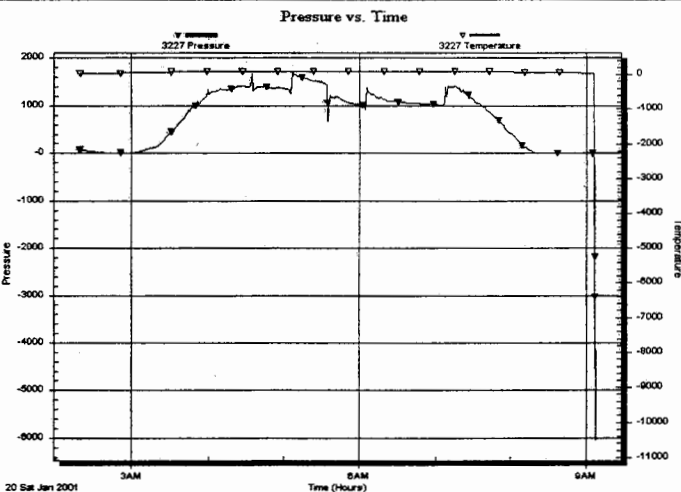
End Time:

09:07:30

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-Weak Dead In 20 Min.
FF-Weak Dead In 10 Min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
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MAR 19 2002			
FROM CONFIDENTIAL			

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud	0.05

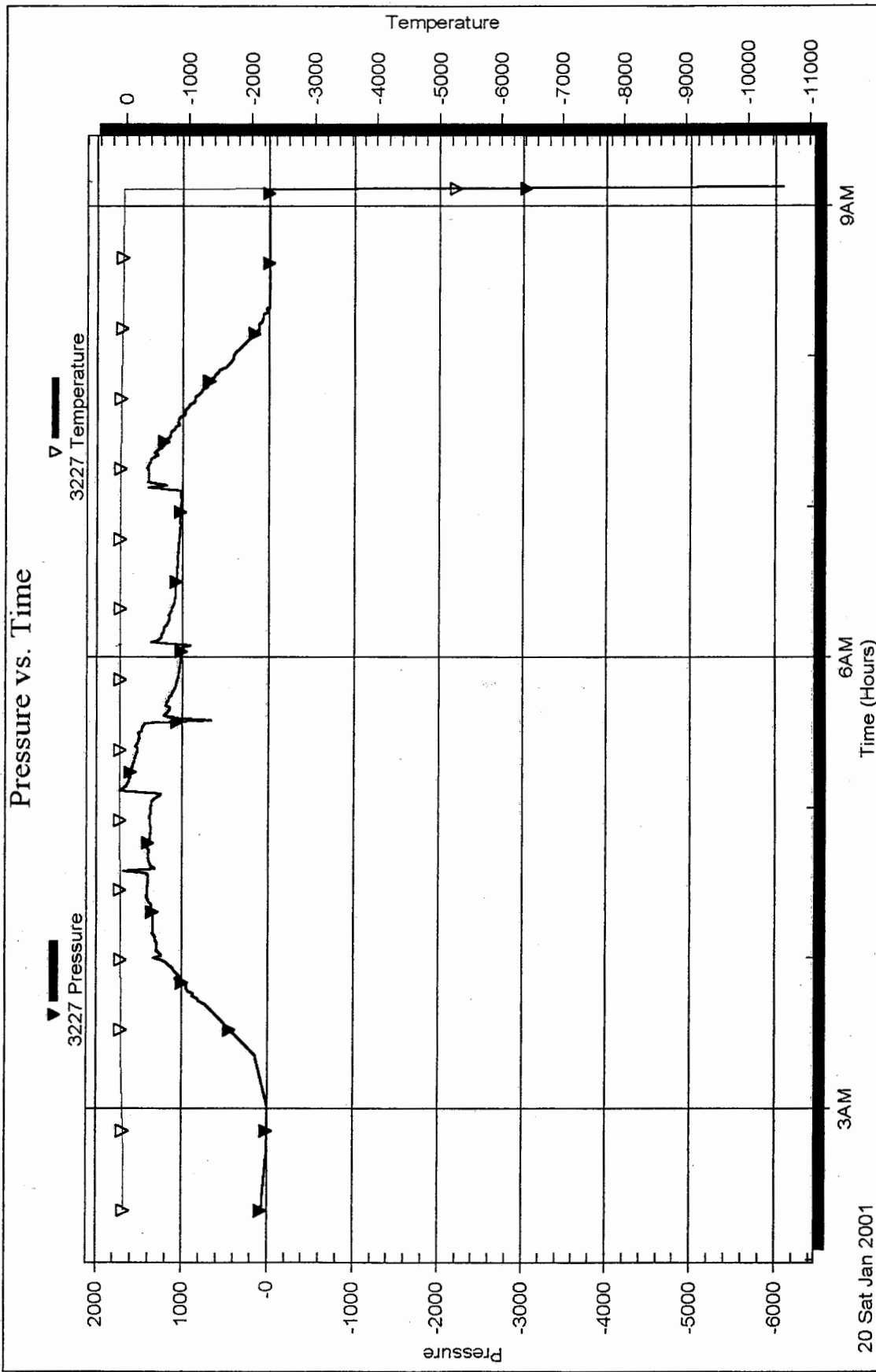
Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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98249

Serial #: 3227 Inside Imperial American Oi 2-11s-16w Ellis KS

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Imperial American Oi**

1000 W 20 St. North Wichita, KS 67212

ATTN: Randy Kilian

2-11s-16w Ellis KS

Angelica #2-1

Start Date: 2001.01.20 @ 14:39:59

End Date: 2001.01.20 @ 20:27:23

Job Ticket #: 13973 DST #: 2

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FROM CONFIDENTIAL

Trilobite Testing Inc.

Box 362 Hays KS 67601

785.625.4778 trilobite@eaglecom.net



DRILL STEM TEST REPORT

Imperial American Oil
1000 W 20 St. North Wichita, KS 67212
ATTN: Randy Kilian

Angelica #2-1
2-11s-16w Ellis KS
Job Ticket: 13973 DST#: 2
Test Start: 2001.01.20 @ 14:39:59

GENERAL INFORMATION:

Formation: **Topeka**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:05:00
Time Test Ended: 20:27:23

Test Type: Conventional Bottom Hole
Tester: John Schmidt
Unit No: 18

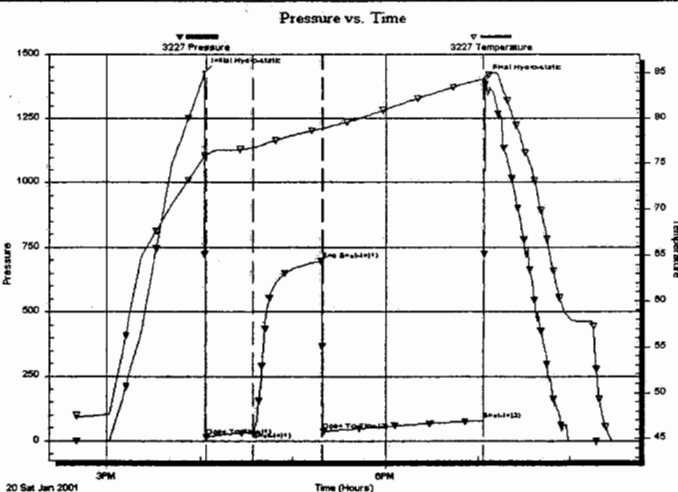
Interval: 3008.00 ft (KB) To 3030.00 ft (KB) (TVD)
Total Depth: 3030.00 ft (KB)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2069.00 ft (KB)
2064.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 3227 Inside
Press@RunDepth: 33.37 psig @ 3010.01 ft (KB)
Start Date: 2001.01.20 End Date: 2001.01.20
Start Time: 14:39:59 End Time: 20:27:23

Capacity: 7000.00 psig
Last Calib.: 2001.01.19
Time On Btm: 2001.01.20 @ 16:02:24
Time Off Btm: 2001.01.20 @ 19:04:54

TEST COMMENT: IF: Weak 1"
FF: Weak 1/2"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
83	1428.93	75.85	Initial Hydro-static
84	14.77	75.97	Open To Flow (1)
114	33.37	76.78	Shut-In(1)
159	696.99	78.84	End Shut-In(1)
160	35.85	78.83	Open To Flow (2)
264	78.85	84.34	Shut-In(2)
265	1400.85	84.57	Final Hydro-static

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Recovery

Length (ft)	Description	Volume (bbl)
130.00	Muddy Water	0.64

Gas Rates

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

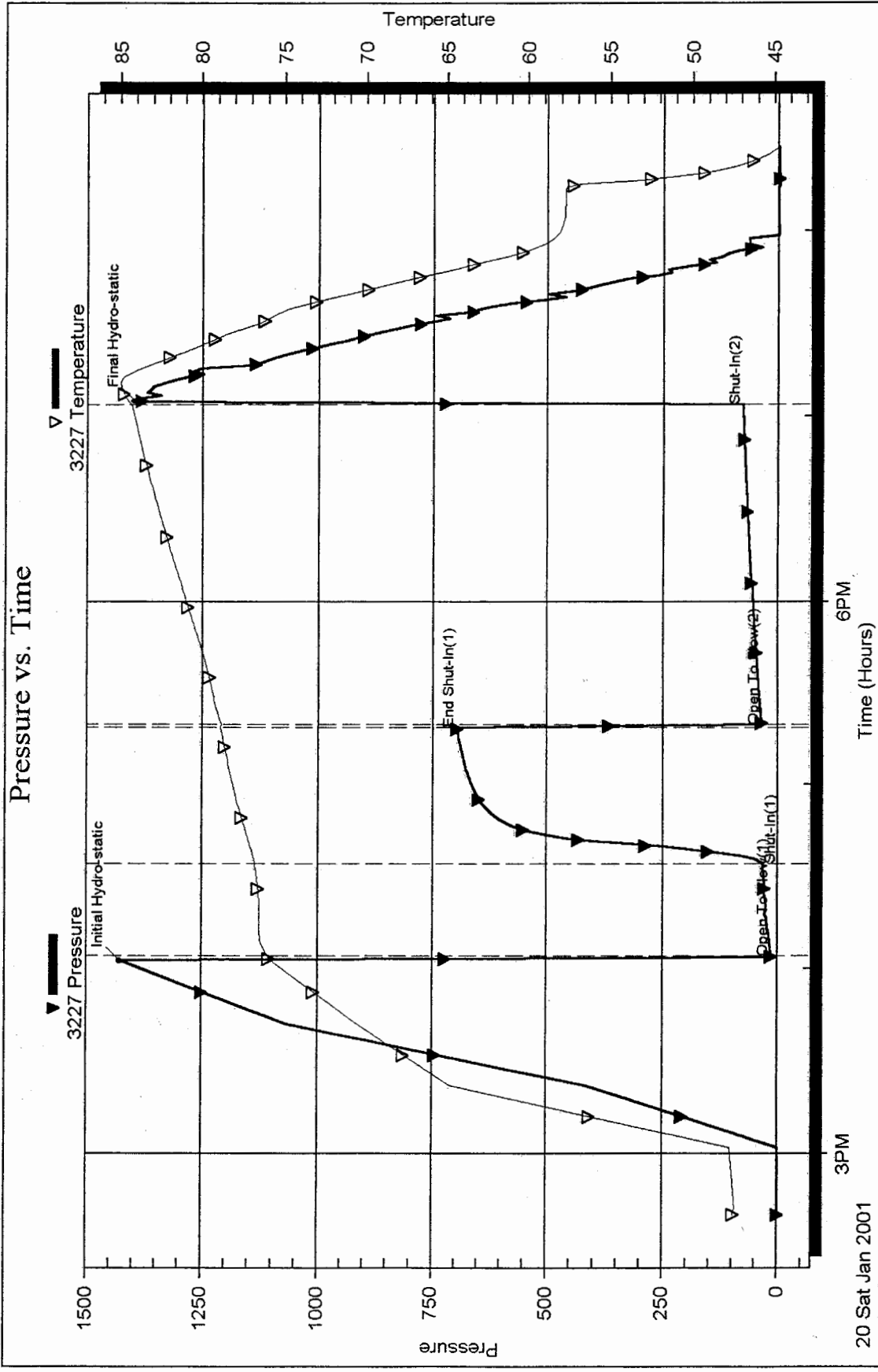
2-11s-16w Ellis KS

Imperial American Oil

Inside

Serial #: 3227

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Imperial American Oil**

1000 W 20 St. North
Wichita, KS 67212

ATTN: Randy Kilian

2-11s-16w Ellis KS

Angelica #2-1

Start Date: 2001.01.21 @ 08:54:50

End Date: 2001.01.21 @ 15:17:14

Job Ticket #: 13974 DST #: 3

RELEASED

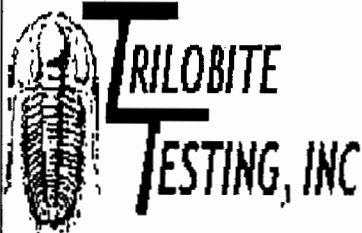
MAR 19 2002

FROM CONFIDENTIAL

Trilobite Testing Inc.

Box 362 Hays KS 67601

785.625.4778 trilobite@eaglecom.net



DRILL STEM TEST REPORT

Imperial American Oil

Angelica #2-1

1000 W 20 St. North
Wichita, KS 67212

2-11s-16w Ellis KS

Job Ticket: 13974

DST#: 3

ATTN: Randy Kilian

Test Start: 2001.01.21 @ 08:54:50

GENERAL INFORMATION:

Formation: **Platts mouth**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:00:00

Time Test Ended: 15:17:14

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 18

Interval: **3184.00 ft (KB) To 3200.00 ft (KB) (TVD)**

Total Depth: 3200.00 ft (KB)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2069.00 ft (KB)

2064.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **3227** Inside

Press@RunDepth: 23.74 psig @ 3187.01 ft (KB)

Start Date: 2001.01.21

End Date:

2001.01.21

Start Time: 08:54:50

End Time:

15:17:14

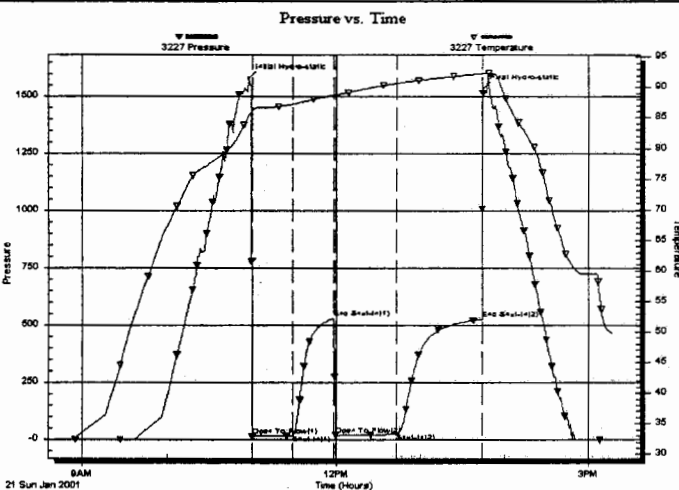
Capacity: 7000.00 psig

Last Calib.: 2001.01.21

Time On Btm: 2001.01.21 @ 10:57:15

Time Off Btm: 2001.01.21 @ 13:44:45

TEST COMMENT: IF: Weak dead in 10 min
FF: No blow.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
123	1579.83	85.30	Initial Hydro-static
125	12.64	86.13	Open To Flow (1)
154	18.21	87.18	Shut-In(1)
184	529.81	88.72	End Shut-In(1)
185	18.67	88.75	Open To Flow (2)
229	23.74	90.65	Shut-In(2)
289	526.36	92.29	End Shut-In(2)
290	1535.87	92.41	Final Hydro-static

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Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.02

Gas Rates

Choke(inches)	Pressure (psig)	Gas Rate (Mcf/d)
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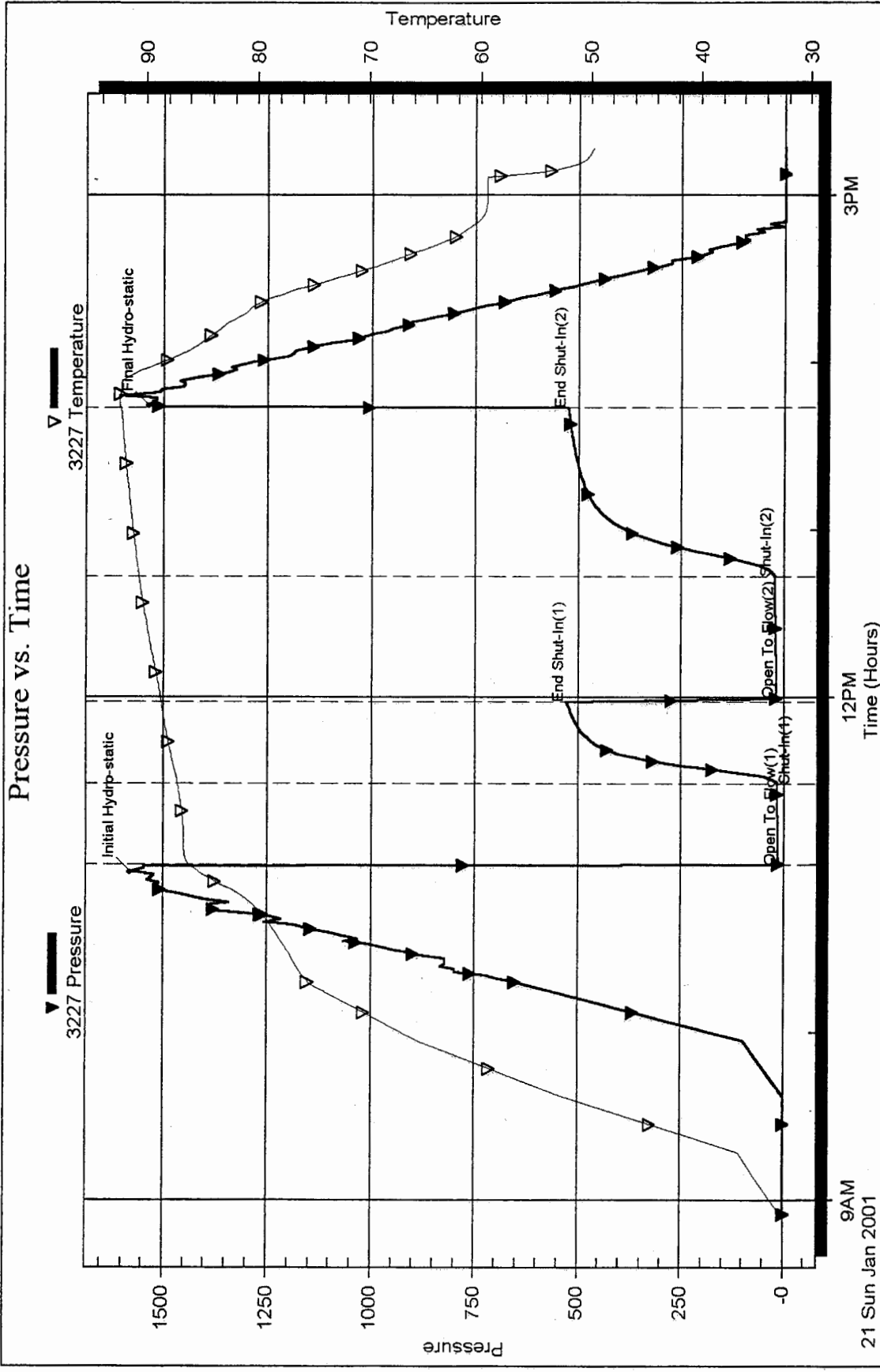
2-11s-16w Ellis KS

Imperial American Oi

Inside

Serial #: 3227

Pressure vs. Time



Trilobite Testing Inc.

Ref. No: 13974

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DRILL STEM TEST REPORT

Prepared For: **Imperial American Oi**

1000 W 20 St. North
Wichita, KS 67212

ATTN: Randy Kilian

2-11s-16w Ellis KS

Angelica #2-1

Start Date: 2001.01.22 @ 05:40:00

End Date: 2001.01.22 @ 12:40:00

Job Ticket #: 13975 DST #: 4

RELEASED

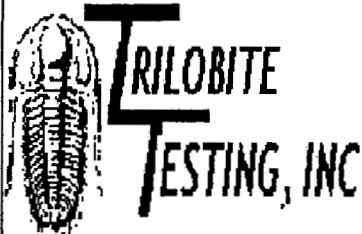
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FROM CONFIDENTIAL

Trilobite Testing Inc.

Box 362 Hays KS 67601

785.625.4778 trilobite@eaglecom.net



DRILL STEM TEST REPORT

Imperial American Oil

1000 W 20 St. North
Wichita, KS 67212

ATTN: Randy Kilian

Angelica #2-1

2-11s-16w Ellis KS

Job Ticket: 13975

DST#: 4

Test Start: 2001.01.22 @ 05:40:00

GENERAL INFORMATION:

Formation: Tor.-L-Kc-D

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:06:40

Time Test Ended: 12:40:00

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 18

Interval: 3225.00 ft (KB) To 3340.00 ft (KB) (TVD)

Total Depth: 3340.00 ft (KB)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2069.00 ft (KB)

2064.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 3227 Inside

Press@RunDepth: 60.35 psig @ 3226.01 ft (KB)

Start Date: 2001.01.22

End Date:

2001.01.22

Start Time: 06:07:45

End Time:

11:46:39

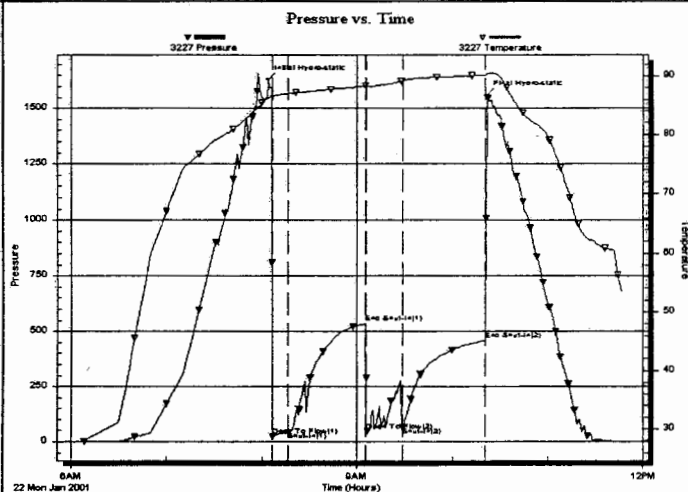
Capacity: 7000.00 psig

Last Calib.: 2001.01.19

Time On Btm: 2001.01.22 @ 08:03:40

Time Off Btm: 2001.01.22 @ 10:21:10

TEST COMMENT: IF-Weak Blow
FF-Weak Dead in 15 Min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
116	1631.50	86.26	Initial Hydro-static
119	22.42	86.47	Open To Flow (1)
129	41.10	86.96	Shut-In(1)
178	535.59	88.29	End Shut-In(1)
179	45.25	88.28	Open To Flow (2)
201	60.35	89.14	Shut-In(2)
253	458.57	90.19	End Shut-In(2)
254	1559.61	90.31	Final Hydro-static

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Recovery

Length (ft)	Description	Volume (bbl)
65.00	Mud W/ Few Oil Specks	0.32

Gas Rates

FROM CONFIDENTIAL

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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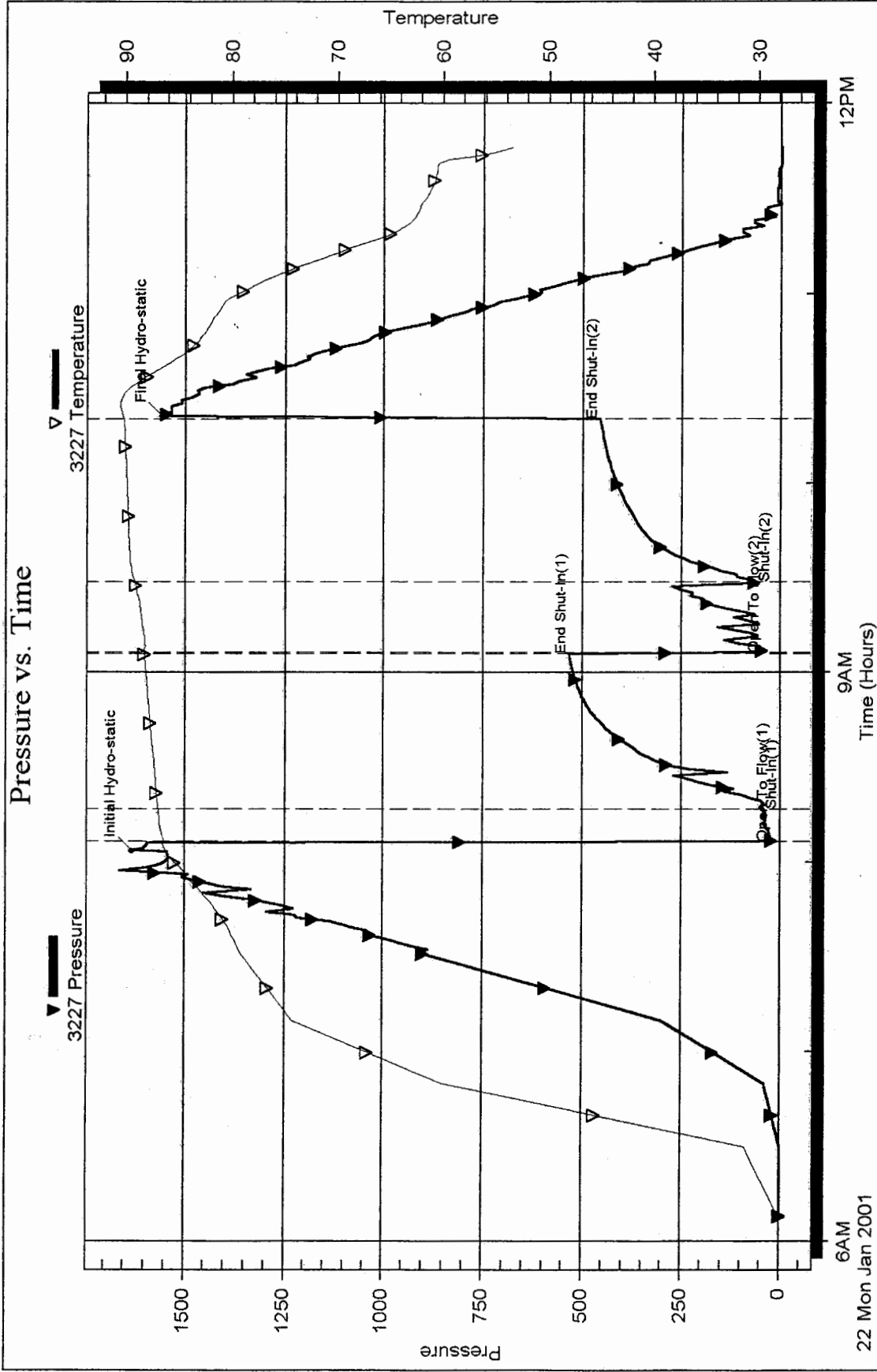
2-11s-16w Ellis KS

Imperial American Oi

Inside

Serial #: 3227

Pressure vs. Time



Ref. No: 13975

Trilobite Testing Inc.

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